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PART V

CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1903

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CANAL STATISTICS

FOR

SEASON OF NAVIGATION, 1903.

For the seasons of navigation of 1903 and 1904, all the canals were declared free, consequently no tolls were collected for the present year. The statistics as compiled show the revenue as it would appear if tolls had been collected.

Both the revenue and tonnage show a very large increase on all the canals for the present year, as per statements herewith presented.

REVENUE.

The total revenue, exclusive of hydraulic rents for two years, is as follows :—

For 1902	$ 227,577 93
For 1903	333,096 86

By comparing the statistics of 1902 with 1903, it will be seen that the gross revenue has increased $105,518.93.

The increases and decreases are as follows :—

	Increase.	Decrease.
On the Welland Canal	$ 38,355 21	
" St. Lawrence Canals	58,860 54	
" Chambly Canal	2,048 93	
" Ottawa Canals	4,667 84	
" Rideau Canal	1,142 44	
" St. Peter's Canal	267 20	
" Trent Valley Canals	162 59	
" Murray Canal	64 18	
" Sault Ste. Marie Canal		$ 50 00
Total	$105,568 93	$ 50 00
Total increase	105,518 93	

STATEMENT of the Revenue, together with the increases and decreases of all the Canals for the seasons of Navigation from 1891 to 1903 inclusive.

Years.	Revenue.	Increase.	Decrease.
1891	$ 350,351 97	$ 2,292 46	
1892	358,711 04	8,359 07	
1893	348,012 00		$ 10,699 04
1894	307,824 67		40,187 33
1895	283,211 41		24,613 26
1896	350,061 03	66,849 62	
1897	346,758 87		3,302 16
1898	341,679 23		5,079 64
1899	291,652 37		50,026 86
1900	269,116 25		22,536 12
1901	250,949 57		18,166 68
1902	227,577 93		23,371 64
1903	333,096 86	105,518 93	

GRAIN PASSED DOWN WELLAND.

The quantity of barley, corn, oats, pease, rye and wheat passed down the Welland Canal, from ports west of Port Colborne for a period of twenty-two years is as follows :—

	Quantity passed down to Montreal.	Quantity on which full tolls were paid. (Free for 1903.)	
		To ports in Ontario.	Quantity from U. S. Ports to U.S. Ports.
	Tons.	Tons.	Tons.
1882	180,694		63,881
1883	186,814	10,650	121,876
1884	142,194	12,153	104,537
1885	96,569	11,909	117,346
1886	203,940	9,881	151,551
1887	185,034	11,838	134,868
1888	160,358	25,599	169,664
1889	267,769	19,075	213,766
1890	288,513	16,899	245,932
1891	295,509	6,805	202,710
1892	261,954	8,942	201,540
1893	501,806	25,555	222,958
1894	273,651	16,699	203,979
1895	231,491	32,096	133,823
1896	461,049	73,386	160,372
1897	* 560,254	53,257	157,756
1898	519,532	31,279	144,612
1899	332,746	40,197	68,011
1900	244,661	17,525	84,589
1901	151,566	13,732	83,370
1902	208,215	22,787	81,164
1903	351,936	29,062	111,828
1904	198246	23711	102,523

* Of the quantity of grain passed down to Montreal there were transhipped at Ogdensburg, in 1891, 17,817 tons ; in 1892, 4,341 tons ; in 1893, 71,445 tons ; in 1894, 23,030 tons ; in 1895, 18,987 tons ; in 1896, 77,355 tons ; in 1897, 89,659 tons ; in 1898, 40,257 tons ; in 1899, 48,828 tons ; in 1900, 38,403 tons ; in 1901, 17,387 tons ; in 1902, 34,060 tons, and 40,641 tons in 1903.

The tolls on grain for passage through the Welland Canal prior to 1884 were 20 cents a ton ; since that date, however, reductions have been made by Orders in Council from year to year as follows :—Upon the urgent request of forwarders and others interested in the grain trade, a reduction was made of one-half the usual rate of tolls on grain passing down the Welland Canal and the St. Lawrence Canals to Montreal ; and in 1885 tolls were reduced to 2 cents a ton, and thereafter from year to year, including 1891.

In 1892 the tolls were reduced to 2 cents a ton on grain passed down the Welland and St. Lawrence Canals and exported, and in such cases only.

In 1893 by Order in Council of February 13, the tolls were reduced to 10 cents a ton on grain passing eastward through the Welland Canal, irrespective of its destination, and the same rate of tolls for 1894 were allowed by O.C., April 16, 1894.

For the year 1895 (O.C., April 1, 1895), the same rate of tolls was allowed as was granted for the year 1894.

For the year 1896 (O.C., April 23, 1896), the same rate of tolls was allowed as was granted for the year 1895.

For the year 1897 (O.C., April 17, 1897), the same rate of tolls was allowed as was granted for the year 1896.

For the year 1898 (O.C., June 1, 1898), the same rate of tolls was allowed as was granted for the year 1897.

For the year 1899 (O.C., April 10, 1899), the same rate of tolls was allowed as was granted for the year 1898.

For the year 1900 (O.C., February 20, 1900), the same rate of tolls was allowed as was granted for the year 1899.

For the year 1901 (O.C., May 3, 1901), the same rate of tolls was allowed as was granted for the year 1900.

For the year 1902 (O.C., April 1, 1902), the same rate of tolls was allowed as was granted for the year 1901.

For the year 1903 the canals were declared free of tolls. O.C., April 27, 1903.

The rate through the St. Lawrence Canals only, was 10 cents a ton.

It may be remarked that goods having paid full tolls on the Welland Canal are allowed to pass down the St. Lawrence Canals to Montreal free from payment of any further tolls.

During the last decade the quantity of agricultural products as above, passed down the Welland and St. Lawrence Canals to Montreal, has increased from 273,651 tons in 1894 to 351,936 tons in 1903, and the quantity passed down the Welland Canal from United States ports to United States, has decreased from 203,979 to 111,828 tons for the same years.

The quantity of barley, buckwheat, corn, oats, pease, rye and wheat, arrived at Montreal via Grand Trunk and Canadian Pacific Railways for a period of 13 years, is reported as follows :—

	Tons.
For 1891	184,410
1892	291,680
1893	147,610
1894	60,666
1895	51,114
1896	153,717
1897	228,611
1898	293,391
1899	209,170
1900	229,624
1901	227,700
1902	263,861
1903	253,959

The quantity of the same articles passed down the whole length of the St. Lawrence Canals to Montreal, for the same period was :—

	Tons.
For 1891	320,434
1892	302,899
1893	532,084
1894	288,015
1895	247,550
1896	495,898
1897	604,200
1898	575,097
1899	372,291
1900	295,928
1901	203,316
1902	242,225
1903	400,057

Comparative shipments of grain by the St. Lawrence route, and rail and water via the State of New York, are as follows :—

QUANTITY OF GRAIN TO SEA-BOARD BY COMPETING ROUTES.

The quantity of grain and pease passed down the whole length of the St. Lawrence Canal to Montreal, is as follows :—

	Tons.
For 1902	242,225
1903	400,067
Showing an increase of	157,842

The quantity of grain and pease carried to Montreal via Canadian Pacific and Grand Trunk Railways, is reported as follows :—

	Tons.
For 1902	263,861
1903	253,959
Showing a decrease of	9,902

The quantity of grain arrived at tide-water by New York Canals, is reported as follows :—

	Tons.
For 1902	318,677
1903	327,840
Showing an increase of	9,163

The quantity of grain carried to tide-water by the New York railways, is reported as follows :—

	Tons.
For 1902	4,558,536
1903	3,793,973
Showing a decrease of	764,563

The increases and decreases for 1903 as compared with 1902 on the several routes, competing for the carrying trade to the sea-board, are as follows :—

—	Increase.	Decrease.	Increase.	Decrease.
	Tons.	Tons.	Per cent.	Per cent.
On the St. Lawrence Canals	157,842	.....	65·21	.....
" Canadian Pacific and Grand Trunk Railways.	.....	9,902	.....	3·72
" New York Canals..	9,163	.....	2·88	.....
" " Railways	.....	764,563	.....	16·77

By reference to Appendix U, it will be seen that the quantity of freight from ports west of Port Colborne to the United States ports, Oswego, Ogdensburg, &c., has decreased from 330,403 tons in 1892 to 213,449 tons in 1903 and the quantity to Ontario ports, between Port Dalhousie and Cornwall, and an increase from 69,886 tons in 1892 to 111,360 tons in 1903. The quantity passed down to Montreal shows an increase from 267,485 tons in 1892 to 390,786 tons in 1903.

TRANSHIPMENT OF GRAIN.

The quantity of grain passed down the Welland Canal in Canadian and United States vessels to Kingston and Prescott for fifteen years, is as follows :—

In Canadian vessels there were in—

			Tons.
1889,	208	Cargoes, with an aggregate quantity of	165,117
1890,	203	" "	184,275
1891,	209	" "	190,664
1892,	158	" "	159,018
1893,	146	" "	148,962
1894,	125	" "	159,145
1895,	123	" "	136,617
1896,	196	" "	227,912
1897,	180	" "	229,265
1898,	166	" "	224,021
1899,	162	" "	221,306
1900,	325	" "	183,200
1901,	112	" "	132,558
1902,	131	" "	175,514
1903,	170	" "	218,840

In the United States vessels there were in—

			Tons.
1888,	60	Cargoes, with an aggregate quantity of	43,667
1889,	114	" "	108,358
1890,	35	" "	35,560
1891,	77	" "	90,153
1892,	89	" "	109,812
1893,	257	" "	328,269
1894,	84	" "	106,236
1895,	56	" "	73,987
1896,	158	" "	217,978
1897,	197	" "	285,847
1898,	339	" "	464,852
1899,	167	" "	205,571
1900,	259	" "	163,575
1901,	135	" "	123,229
1902,	135	" "	136,652
1903,	219	" "	273,986

Fifty-six Canadian and 18 American vessels took cargoes of 99,582 tons through to Montreal intact in 1903; 19 Canadian and 17 American of 34,804 tons in 1902; 23 Canadian and 2 American of 17,303 tons in 1901, 15 of 7,924 tons in 1900, 2 of 558 tons in 1899, 7 of 2,426 in 1898, 7 of 2,324 in 1897, 3 of 1,176 in 1896, 4 of 1,344 tons in 1895, 2 cargoes of 810 tons in 1894, none in 1893, 2 in 1892 of 924 tons, and 3 in 1891 of 1,441 tons. Three vessels lightened a portion of their cargoes in 1901, 9 in 1900, 11 in 1899, 25 in 1898, 11 in 1897, 16 in 1896, 6 in 1895, 19 in 1894, 34 in 1893, 25 in 1892, and 44 in 1891; 222 vessels discharged the whole of their cargoes at Kingston in 1901, 540 in 1900, 316 in 1899, 473 in 1898, 359 in 1897, 335 in 1896, 169 in 1895, 188 in 1894, 369 in 1893, 220 in 1892, and 293 in 1891.

The quantity of grain transhipped at Port Colborne in 1903 and the four previous years is given below.

The total number of grain-laden vessels lightened at this port in 1903 was 117, against 99 the previous year.

The quantity of grain lightened was as follows :—

Articles.	1899.	1900.	1901.	1902.	1903.
	Bush.	Bush.	Bush.	Bush.	Bush.
Wheat	390,162	272,609	393,490	577,697	670,302
Corn	638,143	448,256	556,911	529,651	834,718
Rye	7,065	Nil.	Nil.	Nil.	13,768
Oats	Nil.	Nil.	76,236	5,824	2,765
Barley	Nil.	Nil.	27,115	Nil.	13,242

WELLAND CANAL.

The total quantity of freight passed on the Welland Canal during the season of 1903 was 1,002,919 tons ; of this quantity 23,102 tons were way or local freight.

There were 732,829 tons of freight passed eastwards, and 270,090 tons passed westwards.

East and west bound Through Freight.

The total quantity of through freight passed through the whole length of the Welland Canal during the season of 1903 was 979,817 tons.

Of this quantity 715,595 tons were east bound and 264,222 west bound freight.

Of the east bound through freight, Canadian vessels carried 324,176 tons and United States vessels carried 391,419 tons ; and of the west bound through freight Canadian vessels carried 76,315 tons and United States vessels carried 187,907 tons, or a total of 400,491 tons for Canadian and 579,326 tons for American vessels.

ST. LAWRENCE CANALS.

The total quantity of freight passed through these canals during 1903 was 1,681,-206 tons ; of this quantity 1,222,609 tons passed eastward and 458,597 passed westward.

East and west bound Through Freight.

The total quantity of through freight was 967,817 tons ; of this quantity 756,379 tons were east bound and 211,438 tons were west bound.

Way Freight.

Of the total quantity of (way) or local freight 466,230 tons were east bound and 247,159 tons west bound freight.

THROUGH TRAFFIC BETWEEN MONTREAL AND PORTS ON LAKE ERIE, MICHIGAN, ETC.

The total quantity of through freights passed eastward and westward through the Welland and St. Lawrence Canals, from Lake Erie to Montreal, during fifteen years, is as follows :—

	Eastward to Montreal. Tons.	Westward from Montreal. Tons.
1889	298,197	25,370
1890	231,746	13,951
1891	309,593	14,060
1892	263,144	9,452
1893	508,016	16,545
1894	292,191	9,439
1895	266,659	10,555
1896	480,077	10,050
1897	584,246	4,542
1898	538,108	4,436
1899	354,933	5,991
1900	288,251	6,217
1901	184,420	13,714
1902	250,475	25,289
1903	390,786	100,699

THROUGH FREIGHT FROM UNITED STATES PORTS TO UNITED STATES PORTS.

The total quantity of through freight passed eastward and westward through the Welland Canal, from United States ports to United States ports, for a period of fifteen years, is as follows :—

	Eastward. Tons.	Westward. Tons.	Total. Tons.
1889	297,353	266,231	563,584
1890	318,259	215,698	533,957
1891	306,257	247,543	553,800
1892	300,733	240,332	541,065
1893	384,559	247,108	631,667
1894	361,319	230,948	592,267
1895	255,259	214,520	469,779
1896	385,695	267,518	653,213
1897	353,863	210,831	564,694
1898	277,023	210,516	487,539
1899	225,491	135,038	360,529
1900	218,969	99,560	318,529
1901	190,476	83,543	274,019
1902	224,110	44,919	269,029
1903	221,074	149,151	370,225

The total quantity of freight passed through the Welland Canal from United States ports to United States ports shows an increase of 101,196 tons, as compared with the previous year; and a decrease of 193,359 tons as compared with 1889.

The following statement shows the aggregate number of vessels, and the total quantity of freight passed through the Welland Canal, and the quantity passed between United States ports during the years 1867 to 1903 inclusive :—

Fiscal Year.	Aggregate number. of Vessels.	Total quantity transported on the Welland Canal.	Quantity passed from United States ports to United States ports.
	Number.	Tons.	Tons.
1867	5,405	933,260	458,386
1868	6,157	1,161,821	641,711
1869	6,069	1,231,903	688,70C
1870	7,356	1,311,956	747,567
1871	7,729	1,478,122	772,756
Season of navigation.			
1872	6,063	1,333,104	606,627
1873	6,425	1,506,484	656,208
1874	5,814	1,389,173	748,557
1875	4,242	1,038,050	477,809
1876	4,789	1,099,810	488,815
1877	5,129	1,175,398	493,841
1878	4,429	968,758	373,738
1879	3,960	865,664	284,043
1880	4,104	819,934	179,605
1881	3,332	686,506	194,173
1882	3,334	790,643	282,806
1883	3,267	1,005,156	432,611
1884	3,138	837,811	407,079
1885	2,738	784,928	384,509
1886	3,589	980,135	464,478
1887	2,785	777,918	340,501
1888	2,647	878,800	434,753
1889	2,975	1,085,273	563,584
1890	2,883	1,016,165	533,957
1891	2,594	975,013	553,800
1892	2,615	955,554	541,065
1893	2,843	1,294,823	631,667
1894	2,412	1,008,221	592,267
1895	2,222	869,595	469,779
1896	2,766	1,279,987	653,213
1897	2,725	1,274,292	564,694
1898	2,384	1,140,077	487,539
1899	2,202	789,770	360,529
1900	2,399	719,360	318,529
1901	1,547	620,209	274,019
1902	1,568	665,387	269,029
1903	1,787	1,002,919	370,225

The total quantity of freight passed through the several divisions of the canals during the season of 1903 is as follows :—

——	Farm Stock.	Forest Produce of Wood.	Manufactures.	Merchandise.	Agricultural Products.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland	2	158,721	85,647	214,556	543,993	1,002,919
St. Lawrence	1,770	191,813	162,515	523,564	801,544	1,681,206
Chambly	374	188,335	7,647	112,334	37,881	346,571
Ottawa	1,410	410,620	726	15,557	8,160	436,473
Rideau	19	29,093	3,600	21,848	6,560	61,120
St. Peters	17	21,691	5,494	49,681	13,981	90,864
Murray	8	7,405	8,195	8,940	5,841	30,389
Trent Valley	219	40,477	74	113	1,524	42,407
Sault Ste. Marie	61	76,725	110,683	3,884,140	1,440,259	5,511,868

The total quantity of freight moved on the Welland Canal was 1,002,919 tons, of which 543,993 tons were agricultural products.

On the St. Lawrence Canals the total quantity of freight moved was 1,681,206 tons, of which 801,544 were agricultural products, and 523,564 tons were merchandise.

On the Ottawa Canals the total quantity of freight moved was 436,473 tons ; of this quantity 410,620 tons were the produce of the forest.

STATISTICAL COMPARISON OF VARIOUS UNITED STATES ROUTES.

The statistical comparisons heretofore given in respect to the quantities of the principal articles carried through the Welland Canal, and those carried over routes in the United States, in competition with that work, have been continued to date.

By reference to statement H, as to the quantity of vegetable food carried to tidewater, it will be observed that the quantity carried by the New York Canals was 512,601 tons in 1903, 489,053 in 1902, 557,099 in 1901, 472,857 in 1900, 577,486 in 1899, 653,027 in 1898, 744,575 in 1897, 957,182 in 1896, 606,505 in 1895, 1,400,129 in 1894, 1,450,116 in 1893, 937,999 in 1892, and 1,092,385 in 1891.

The quantities of vegetable food carried by the New York Central, Erie and New York, West Shore and Buffalo Railways being :—

	Tons.
In 1903	5,548,603
1902	6,532,263
1901	6,334,001
1900	6,053,005
1899	6,211,827
1898	7,060,542
1897	5,673,638
1896	5,183,540
1895	3,798,574
1894	4,281,056
1893	*5,107,426
1892	5,913,013
1891	3,565,381
1890	4,336,199
1889	3,654,984
1888	3,197,734

	Tons.
In 1887	*3,847,766
1886	*3,802,262
1885	4,105,594
1884	3,639,805
1883	4,422,461
1882	3,885,557
1880	4,732,385
1869	1,087,809

* Flour and grain only.

The following figures are an abstract of the quantities of vegetable food carried to tide-water by the canals and railways of the State of New York during thirty-five years :—

——	Canals.	Railways.	Total.	Proportions by canals.
	Tons.	Tons.	Tons.	Tons.
1869	1,302,613	1,087,809	2,390,342	·545
1870	1,295,010	1,766,457	3,061,467	·423
1871	1,850,198	2,205,589	4,055,787	·456
1872	1,674,320	1,870,614	3,544,934	·472
1873	1,745,171	2,036,992	3,782,163	·461
1874	1,767,598	2,791,517	4,559,115	·387
1875	1,305,550	2,343,241	3,648,791	·357
1876	1,064,293	2,875,803	3,940,096	·270
1877	1,498,984	2,493,683	3,992,667	·375
1878	1,912,734	3,695,764	5,608,498	·341
1879	1,833,399	4,353,617	6,187,016	·296
1880	2,371,090	4,732,385	7,103,475	·333
1881	1,116,561	4,983,722	6,100,283	·183
1882	1,118,776	3,885,557	5,004,333	·223
1883	1,379,000	4,422,461	5,801,461	·237
1884	1,236,986	3,639,805	4,876,791	·253
1885	1,063,310	4,105,594	5,168,904	·205
1886	1,489,886	3,802,262	5,292,148	·281
1887	1,539,403	3,847,766	5,387,169	·285
1888	1,166,958	3,197,734	4,364,692	·267
1889	1,296,896	3,654,984	4,951,880	·262
1890	1,167,901	4,336,199	5,504,100	·212
1891	1,092,355	3,565,381	4,657,736	·234
1892	937,999	5,913,013	6,851,012	·137
1893	1,452,563	5,107,426	6,599,989	·284
1894	1,400,129	4,281,056	5,681,185	·327
1895	602,505	3,798,574	4,401,079	·159
1896	957,182	5,183,540	6,140,722	·156
1897	744,575	5,673,638	6,418,213	·116
1898	653,027	7,060,542	7,713,569	·085
1899	577,486	6,211,827	6,789,313	·086
1900	472.857	6,053,005	6,525,862	·073
1901	557,099	6,334,001	6,891,100	·081
1902	489,053	6,532,263	7,021,316	·069
1903	512,601	5,548,603	6,061,204	·081

COMPARATIVE STATEMENT OF TRAFFIC BY RAILWAYS AND CANALS VIA THE STATE OF NEW YORK.

On reference to the returns made by the railways to the state authorities of New York, and to the canal statistics submitted to the state legislature, I find that of the total tonnage of freight carried by the canals and railways, the state canals carried :—

	Per cent.		Per cent.
In 1859	68·9	In 1886	16·9
1869	47·0	1887	16·3
1870	38·9	1888	18·8
1871	38·9	1889	15·1
1872	40·1	1890	13·9
1873	34·9	1891	13·4
1874	31·7	1892	9·8
1875	28·4	1893	10·1
1876	24·6	1894	10·2
1877	28·3	1895	9·7
1878	27·1	1896	8·5
1879	23·7	1897	8·3
1880	25·1	1898	6·9
1881	18·5	1899	7·2
1882	19·0	1900	5·2
1883	18·7	1901	5·1
1884	19·0	1902	5·5
1885	17·1	1903	5·6

The quantity of freight carried by the canals and railways was greater in 1903 by 207,734 tons than the quantity carried in 1902 and an increase of 59,830,334 tons over 1869.

The quantities carried were as follows:—

	Total Tonnage.	Proportion by canals.
In 1859	5,485,076	·6890
1869	12,453,174	·4705
1870	15,148,274	·3895
1871	15,844,152	·3896
1872	16,631,609	·4012
1873	18,200,208	·3497
1874	18,283,547	·3174
1875	17,101,758	·2841
1876	16,948,627	·2462
1877	17,489,770	·2833
1878	19,017,301	·2719
1879	22,590,766	·2373
1880	25,706,586	·2512
1881	27,857,394	·1859
1882	28,693,054	·1905
1883	30,167,119	·1877
1884	26,293,844	··1905
1885	27,543,948	·1718
1886	31,168,744	·1698
1887	34,029,791	·1632
1888	26,244,610	·1883
1889	35,466,042	·1514
1890	37,624,199	·1394
1891	38,524,179	·1343
1892	43,618,569	·0982
1893	42,953,233	·1009
1894	37,916,412	·1024
1895	36,170,339	·0967
1896	43,756,051	·0849
1897	43,711,512	·0828
1898	49,311,030	·0682
1899	51,702,761	·0713
1900	65,433,541	·0512
1901	65,640,837	·0506
1902	72,075,774	·0549
1903	72,283,508	·0559

Average freight rates, grain, Chicago to Buffalo:—(as reported by the Secretary Merchants' Exchange, Buffalo).

Year.	Wheat.	Year.	Wheat.
1881	3·2	1893	1·6
1882	2·5	1894	1·2
1883	3·5	1895	1·9
1884	2·1	1896	1·7
1885	2·0	1897	1·5
1886	3·6	1898	1·5
1887	4·1	1899	2·5
1888	2·7	1900	1·8
1889	2·5	1901	1·6
1890	1·9	1902	1·5
1891	2·5	1903	1·4
1892	2·2		
		Average twenty-three years.	2·3

STATEMENT of the Quantity of Grain and Rolling Freight passed down the St. Lawrence Canals from Côteau Landing to Montreal during the Years 1899, 1900, 1901, 1902 and 1903.

	GRAIN.									
	1899.		1900.		1901.		1902.		1903.	
	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.
Barley	8,133	338,538	600	24,967						
Buckwheat			11	460						
Corn	174,932	6,176,143	154,815	5,525,845	71,459	2,552,107	11,732	418,791	109,937	3,920,137
Oats	8,357	491,589	16,803	1,005,029	7,831	460,043	3,899	229,262	338	19,865
Pease	237	7,900	142	4,700						
Rye	1,474	52,643	3,925	140,434	5,141	193,607	11,552	395,207	3,495	124,709
Wheat	66,635	2,221,167	126,963	4,215,721	207,403	6,913,434	216,305	7,208,486	175,954	5,837,504
Total	259,768	9,287,980	303,259	10,917,156	291,834	10,119,191	243,488	8,251,746	289,724	9,902,215

	ROLLING FREIGHT.									
Flax seed	20,290		3,779		17,208		11,606		6,347	
Flax and hemp			941							
Flour	20,745		8,255		7,290		10,615		9,793	
Furniture			1							
Lard and lard oil	617		1,695				689		18	
Meals	779		448		588					
Oil Cake	2,539				1,255		5,900		9,415	
Meats										
Pork	1,259		418		372				464	
Seeds, all kinds	1,703						283		18	
All other vegetables										
Nails										
Oils										
Sugar	896				28					
Tallow	32		373							
Merchandise	762		696		1		5			
Barrels, empty	420									
Firewood					1,935		180			

Bois de service					459		379				
Articles en bois					46						
Total	50,042		16,606		29,182		29,657		43,674		
Grand total	309,810		319,865		321,016		273,145		256,999		

COMPARATIVE STATEMENT of the Commerce through the United States St. Mary's Falls Canal and Canadian Sault Ste. Marie Canal for the Season of 1902 and 1903.

		TRAFFIC FOR 1903.		TOTAL TRAFFIC FOR		INCREASE.	DECREASE.
		United States Canal.	Canadian Canal.	Season of 1903.	Season of 1902.	Amount.	Amount.
Vessels	Number.	14,244	4,351	18,595	22,631		4,036
Lockages	"	8,400	3,242	11,642	12,845		1,203
Tonnage registered	Net tons.	22,973,698	4,762,746	27,736,444	32,012,323		4,275,879
" freight	"	29,162,569	5,511,868	34,674,437	35,962,063		1,287,626
Passengers	Number.	22,765	32,410	55,175	59,446		4,271
Coal (hard)	Net tons.	1,030,463	118,602	1,149,065	309,948	839,057	
" (soft)	"	4,908,450	880,178	5,788,628	4,512,321	1,275,307	
Flour	Barrels.	4,284,453	2,808,927	7,093,380	8,916,155		1,812,775
Wheat	Bushels.	29,152,237	32,232,315	61,384,552	76,746,349		15,361,797
Grain (excluding wheat)	"	25,941,198	6,154,448	32,095,646	25,312,513	6,783,133	
Manufactured and pig iron	Net tons.	113,155	80,112	193,267	214,809		21,542
Salt	Barrels.	310,298	144,584	454,882	444,319	10,563	
Copper	Net tons.	105,386	17,491	112,877	120,860		7,983
Iron ore	"	18,971,398	2,683,500	21,654,898	25,300,800		3,645,902
Lumber	Ft. B.M.	972,582,813	30,609,187	1,003,192,000	1,077,932,942		74,740,942
Silver ore	Net tons.				1		1
Building stone	"	20,196	1,104	21,300	40,702		19,402
Unclassified freight	"	416,383	243,456	659,839	742,742		82,903

The United States canal was open to navigation during the season of—

1889	234 days.
1890	228 "
1891	225 "
1892	233 "
1893	219 "
1894	234 "
1895	231 "
1896	232 "
1897	234 "
1898	241 "
1899	231 "
1900	238 "
1901	230 "
1902	256 "
1903	249 "

The Canadian canal was open to navigation during the season of—

1895	87 days.
1896	218 "
1897	238 "
1898	243 "
1899	239 "
1900	238 "
1901	246 "
1902	264 "
1903	256 "

The average number of vessels passing per day through the two canals for the season of 1903 was seventy-four.

R. DEVLIN,

Compiler of Canal Statistics.

OTTAWA,

EXPORTS by Lake from Chicago to Canada during the Season of Navigation in 1903.

(From Report of Board of Trade of Chicago.)

Commodities.		Quantity.	Value.
			$ cts.
Corn	Bushels.	4,897,652	2,432,825 00
Rye	"	246,066	125,140 00
Wheat	"	1,452,427	1,113,448 00
Flour	Barrels.	7,135	25,840 00
Mill-stuffs	Sacks.	350	400 00
Grass-seed	"	500	2,194 00
Oil-cake	"	12,550	44,000 00
Broom-corn	Bales.	470	5,766 00
Pork	Barrels.	4,355	68,785 00
Manufactures of iron	Tons.	.....	1,376 00
Unclassified merchandise	"	7,890	44,666 00
Total value		.....	3,864,440 00

GRAIN FREIGHTS BY LAKE—SEASON OF 1903.

The following were the correct rates on Wheat and Corn from Chicago to Buffalo, Ogdensburg, Depot Harbour and Montreal; also to New York by Lake and Erie Canal for each week during the Season of Navigation.

1903.	To Buffalo.		To Ogdensburg.		To Depot Harbour.		To Montreal.		Erie Canal, Buffalo to New York.		* Chicago to New York, Lake and Canal.	
	Wheat per bushel.	Corn per bushel.	Wheat per bushel.	Corn per bushel.	Wheat per bushel.	Corn per bushel.	Wheat per bushel.	Corn per bushel.	Wheat per bushel.	Corn per bushel.	Wheat per bushel.	Corn per bushel.
	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.
April 11	2	1 7/8	.....	4 1/2	1 7/8	1 3/4	.....	.....	.....	.....	.....	.....
" 18	2	1 7/8	.....	4 1/2	1 7/8	1 3/4	.....	5 7/8	.....	.....	.....	.....
" 25	1 3/4	1 5/8	.....	4 1/2	1 3/4	1 5/8	5 3/4	.....	.....	.....	.....	.....
May 2	1 5/8	1 1/2	.....	4	1 5/8	1 3/8	.....	.....	.....	.....	.....	.....
" 9	1 5/8	1 1/2	.....	.....	1 1/2	1 3/8	.....	5 5/8	4	3	5 5/8	4 1/2
" 16	1 5/8	1 1/2	4	.....	1 1/2	1 3/8	.....	.....	4 1/8	.....	5 3/4	.....
" 23	1 5/8	1 1/2	4	.....	1 5/8	1 1/4	.....	.....	4 1/8	.....	5 5/8	.....
" 30	1 1/2	1 3/8	.....	.....	1 1/2	1 3/8	.....	.....	4 1/8	.....	5 5/8	.....
June 6	1 1/2	1 3/8	.....	.....	1 3/8	1 1/2	.....	5 1/8	4 1/8	.....	5 5/8	.....
" 13	1 1/2	1 3/8	.....	.....	1 3/8	1 1/4	.....	.....	4	3 3/4	5 1/2	5 1/8
" 20	1 1/2	1 3/8	.....	3 1/2	1 3/8	1 1/4	.....	.....	4	3 3/4	5 1/2	5 1/8
" 27	1 3/8	1 1/4	3 1/2	3 1/4	1 3/8	1 1/4	4 1/8	.....	4	3 3/4	5 3/8	5
July 4	1 3/8	1 1/4	.....	.....	1 3/8	1 1/4	4 3/4	.....	4	3 3/4	5 3/8	5
" 11	1 3/8	1 1/4	3 1/2	3 1/2	1 3/8	1 1/4	.....	4 5/8	4 1/4	4	5 5/8	5 1/4
" 18	1 3/8	1 1/4	.....	.....	1 1/4	1 1/8	.....	4 3/8	4 1/4	3 7/8	5 5/8	5 1/8
" 25	1 1/4	1 1/8	.....	.....	1 1/4	1 1/8	.....	4	4 1/4	3 3/8	5 1/2	4 1/2
Aug. 1	1 1/4	1 1/8	.....	.....	1 1/4	1 1/8	.....	.....	4 1/4	3 7/8	5 1/2	5
" 8	1 1/4	1 1/8	.....	3	1 1/4	1 1/8 & 1	.....	.....	4 1/4	3 7/8	5 1/2	5
" 15	1 1/8	1	.....	3 1/4	1 1/8	1	.....	.....	4 1/4	3 7/8	5 3/8	4 7/8
" 22	1 1/8	1	.....	.....	1 1/8	1 1/16	.....	.....	4 1/4	3 7/8	5 3/8	4 7/8
" 29	1 1/8	1	.....	3 1/2	1 1/8	1	.....	.....	4 1/4	3 7/8	5 3/8	4 7/8
Sept. 5	1 1/8	1	.....	3 1/4	1 1/8	1	.....	.....	4 1/4	3 7/8	5 3/8	4 7/8
" 12	1 1/8	1	.....	.....	1 1/8	1	.....	.....	3 7/8	3 7/8	5	4 7/8
" 19	1 1/8	1	.....	.....	1 1/8	1	.....	.....	3 3/4	3 3/4	4 7/8	4 3/4
" 26	1 1/8	1	.....	.....	1 3/8	1 1/4	.....	.....	3 3/4	3 3/4	4 7/8	4 3/4
Oct. 3	1 3/8	1 1/4	.....	.....	1 3/8	1 1/4	.....	.....	3 3/4	3 3/4	5 1/8	4 5/8
" 10	1 3/8	1 1/4	.....	.....	1 3/8	1 1/4	.....	.....	3 3/4	3 3/4	5 1/8	4 5/8
" 17	1 3/8	1 1/4	.....	.....	1 3/8	1 1/4	.....	.....	3 3/4	3 3/4	5 1/8	4 5/8
" 24	1 3/8	1 1/4	.....	3 1/2	1 3/8	1 1/4	.....	.....	3 3/4	3 3/4	5 1/8	4 5/8
" 31	1 5/8	1 1/2	.....	3 3/4	1 5/8	1 1/2	.....	.....	3 3/4	3 3/4	5 3/8	4 7/8
Nov. 7	1 5/8	1 1/2	.....	4	1 5/8	1 1/2	.....	.....	3 3/4	3 3/4	5 3/8	4 7/8
" 14	1 5/8	1 1/2	.....	.....	1 5/8	1 1/2	.....	.....	3 3/4	3 3/4	5 3/8	4 7/8
" 21	1 7/8	1 3/4	.....	4	1 7/8	1 5/8	.....	.....	3 3/4	3 3/4	5 5/8	5 1/8
" 28	1 7/8	1 3/4	.....	.....	2 1/4	2	.....	.....	3 3/4	3 3/4	5 5/8	5 1/8
Dec. 5	2 1/2	2 1/4	.....	.....	2 1/2	2 1/4	.....	.....	.....	.....	.....	.....
" 12.	D.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* Exclusive of Buffalo charges.

Lake Freights from Chicago to Buffalo on Wheat and Corn.

Statement showing the dates of the changes of the ruling rates of Lake Freights on Wheat and Corn, from Chicago to Buffalo, during 1903, (as reported by the Secretary of the Merchant's Exchange, Buffalo).

1903.	Wheat, Bushels.	Corn, Bushels.	1903.	Wheat, Bushels.	Corn, Bushels.
	Cts.	Cts.		Cts.	Cts.
April, 1	1¾	1⅝	Aug. 23	1⅛	1
" 8	....	1¾	Sept. 22	.....	1¼
" 15	2	1⅞	" 29	1⅜	1¼
" 20	1⅝ to 1½	1⅜ to 1½	Oct. 10	1⅜	1¼
" 21	1½	1⅜	" 23	.....	1⅜
May, 19	1⅜	.....	" 26	.....	1½
" 20	.....	1¼ to 1⅜	Nov. 9	1⅝	1½
" 23	1½	1⅜	" 12	.....	1⅜
June, 2	.....	1¼	" 13	.....	1½
" 4	1⅜	1¼	" 16	1¾	1½
" 29	.....	1⅛ to 1¼	" 18	.....	1⅝
" 30	.....	1¼	" 19	.....	1⅜
July, 14	.....	1⅜	" 23	2	1⅝ to 1¾
" 31	1¼	1⅛	" 24	.....	2
Aug 6	.....	1	" 27	2½	2¼
" 17	1¼	1⅛	Dec. 1	1⅞	.....
" 19	.....	1 1/16	" 3	2 to 2⅛	.....
" 20	....	1 to ⅛	" 4	.....	2¼
" 21	.....	1	" 7	.....	3 to close.

Rates from Milwaukee about the same as from Chicago.

AVERAGE LAKE FREIGHTS.

The following statement shows the average rates of lake freights on wheat and corn between Chicago and Buffalo during each month in the past ten years, the highest and lowest rate on wheat in each year, and the average rate on wheat each year in cents, per bushel :—

(Per Report of the Secretary of Merchants' Exchange, Buffalo.)

Grain, bushels.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
1894 Wheat	1·4	1·2	0·9	1·0	1·4	1·1	1·3
1894 Corn	1·2	1·1	0·9	0·9	1·3	1·0	1·3
Highest rate, wheat, 1894, 3c.; lowest, $\frac{7}{8}$c.; average for the season, 1·2c.							
1895 Wheat	1·2	1·2	1·1	1·6	2 1	3·0	3·0
1895 Corn	1·1	1·1	1·0	1·4	1·9	2·9	2·7
Highest rate, wheat, 1895, 3c.; lowest 1c.; average for the season, 1·9c.							
1896 Wheat	1·6	1·5	1·2	1·3	1·4	2·0	2·1
1896 Corn	1·4	1·3	1·1	1·2	1·2	1·9	1·9
Highest rate, wheat, 1896, $2\frac{5}{8}$c.; lowest, $1\frac{1}{4}$c.; average for the season, 1·7c.							
1897 Wheat	1·3	1·2	1·3	1·5	2·0	1·8	1·5
1897 Corn	1·2	1·1	1·2	1·4	1·8	1·7	1·4
Highest rate, wheat, 1897, $2\frac{5}{8}$c.; lowest, 1c.; average for the season, 1·5c.							
1898 Wheat	1·3	0·1	0·9	1·2	1·4	2·5	2·3
1898 Corn	1·2	0·8	0·8	1·1	1·3	2·3	2·1
Highest rate, wheat, 1898, $3\frac{1}{4}$c.; lowest, $1\frac{1}{4}$c.; average for the season, 1·5c.							
1899 Wheat	2·0	2 0	2·2	2 5	3·1	3·5	2·5
1899 Corn	1·8	1·9	2·0	2·3	3·2	3·4	2·3
Highest rate, wheat, 1899, $3\frac{3}{4}$c.; lowest, $1\frac{7}{8}$c.; average for the season, 2·5c.							
1900 Wheat	1·8	1 9	2·1	1·6	1·7	1·7	2·0
1900 Corn	1·6	1·7	2·0	1·5	1·6	1·5	1·8
Highest rate, wheat, 1900, 3c.; lowest, $1\frac{1}{4}$c.; average for the season, 1·8c.							
1901 Wheat	1·9	1·5	1·6	1·3	1·6	1·3	2·0
1901 Corn	1·8	1·3	1·4	1·2	1·5	1·2	1·2
Highest rate, wheat, 1901, $2\frac{1}{2}$c.; lowest, $1\frac{1}{4}$c.; average for the season, 1·60c.							
1902 Wheat	1·3	1·3	1·2	1 6	1·5	1·7	1·9
1902 Corn	1·2	1·1	1·1	1·4	1·4	1·6	1·7
Highest rate, wheat, 1902, $2\frac{1}{2}$c.; lowest, $1\frac{3}{8}$c.; average for the season, 1·5c.							
1903 Wheat	1·4	1·3	1·3	1·2	1·2	1·4	1·8
1903 Corn	1·3	1·2	1·2	1·0	1·0	1·3	1·6
Highest rate, wheat, 1903, $2\frac{1}{4}$c.; lowest, $1\frac{1}{4}$c ; average for the season, 1·4c.							

LAKE FREIGHTS FROM DULUTH TO BUFFALO ON WHEAT (AS REPORTED BY THE SECRETARY OF THE MERCHANTS' EXCHANGE, BUFFALO, N.Y.)

The following statement shows the Lake Freight rates on Wheat from Duluth to Buffalo, during the season of 1903 :—

1903.	Wheat, Bushels.	1903.	Wheat, Bushels.
	Cts.		Cts.
April 1	2	Sept. 2	$1\frac{1}{4}$
May 7	$1\frac{3}{4}$	" 4	$1\frac{1}{2}$
" 11	$1\frac{1}{4}$–$1\frac{1}{2}$	" 18	$1\frac{3}{4}$
" 21	$1\frac{1}{8}$–$1\frac{1}{4}$	" 21	2
June 15	$1\frac{1}{4}$	Oct. 3	$1\frac{3}{4}$
" 25	$1\frac{3}{8}$	Nov. 18	2
July 21	$1\frac{1}{2}$	Nov. 20 to Dec. 5	$2\frac{1}{2}$–$2\frac{3}{4}$

In 1885 the range of freights on wheat, Duluth to Buffalo, was 1½ to 5c.; in 1886, 3¼ to 8c.; in 1887, 5 to 8c.; in 1888, 2 to 5c.; in 1889, 2 to 5c.; in 1890, 2 to 5c.; in 1891, 1¼ to 9½c.; in 1892, 2¼ to 4c.; in 1893, 1¼ to 3½c.; in 1894, 1¼ to 3c.; in 1895, 2 to 6c.; in 1896, 1¼ to 3c.; in 1897, 1 to 2½c.; in 1898, 1 to 3½c.; in 1899, 2½ to 6c.; in 1900, 1½ to 3¾c.; in 1901, 1⅛ to 3¾c.; in 1902, 1 to 2¼c., and in 1903, 1⅛ to 2¾c. per bushel.

The first departure by lake, at Duluth in 1903 was April 9; in 1902 was on March 31; in 1901 was on May 6; in 1900 was on April 22; in 1899, on April 29; in 1898, was on April 16; in 1896, on April 22, and in 1895, on April 21. In 1894 season opened on April 19; in 1893, on May 8; in 1892, on April 21; in 1891, on April 30; in 1890, on March 26; in 1889, on April 20; in 1888, on May 12; in 1887, May 4; in 1886, on May 7.

Wheat was shipped at Kingston, Canada, per bushel, during the season of 1887, at 6¼ to 7¾c.; in 1888, at 4 to 5c.; in 1889, at —; in 1890, 5¾, 5½, 4½, 4¼, 4c.; in 1891, during May, 3¾, 3½, 2½c.; during June, 3c.; and on July 25, 2½c.; in 1892, 5c. in April; 5 to 5¼c. in May; 4c. in June; 4½c. in July; 3c. in August; 6 to 6¼c. in October; in 1893, ranged from 5½ to 4½c. in April; 4½ to 4¾c. in May; 4 to 3½c. in June; 2¾ to 3c. in July; 3½ to 3¾c. in September; no figures quoted after that date. In 1894 ranged from 3¼ to 3½c. in May; 3½c. in June; 2½c. in July; 2½ to 3¼c. in August; 4c. in September, and 4¼c. in October. On August 25 and November 3, 1894, wheat to Ogdensburg, at 3¼c. and 4½c., respectively. In 1895, wheat to Kingston from 3c. to 5c. In 1896, wheat to Kingston from 3c. to 5½c.; and in 1897, wheat to Kingston from 3c. to 3½c., according to time of year; 1898 and 1899 not given.

Lake Freights from Toledo to Buffalo on Wheat.

The following statements show the ruling rates of lake freights on wheat from Toledo to Buffalo, during the season of 1903 on the dates specified, as reported by the Secretary Merchants' Exchange, Buffalo.

Date, 1903.	Wheat and Corn per Bushel.	Date, 1903.	Wheat and Corn per Bushel,
	Cts.		Cts.
Opening to April 1	1½	April 1 to July 14	1½
July 14 to August 1	1⅛	August 1 to close	1¼

The range for 1886 was 1¾ to 3c.; for 1887, 2¼ to 3c.; for 1888, 1½ to 2⅛c.; for 1889, 1¾ to 2c.; for 1890, 1½ to 2c.; for 1891, 1 to 3c.; for 1892, 1½ to 2½c.; for 1893, 1 to 2c.; for 1894, 1 to 2c.; for 1895, 1 to 2¼c.; for 1896, 1¼ to 1¾c.; for 1897, 1 to 1¼c.; for 1898, 1 to 1½c.; for 1899, 1½ to 2c.; for 1900, 1½ to 2c.; for 1901, 1¼ to 1½c.; for 1902, 1⅛ to 2c., and for 1903, 1⅛ to 1½c. per bushel.

From Toledo to Ogdensburg, wheat and corn shipped at 6 to 7c. in 1887; at 4½ to 6c. for wheat and 5c. for corn in 1888; and 5 to 5⅞c. for wheat in 1889 per bushel. From Toledo, on October 8, 1887, corn shipped to Kingston at 3½c., and on November 12, at 4½c. per bushel. In 1888, corn Toledo to Kingston, 4¼ to 3c.; and wheat at 3½ to 3c. per bushel. In 1889, wheat, Toledo to Kingston, 3c.; and in 1891, rye, Toledo to Kingston at 3c. per bushel. From Toledo, on June 2, 1887, wheat shipped to Montreal by propeller at 6½c.; on June 14, corn at same price; but on September 26, the rate on corn was only 5c. per bushel. In 1888, corn, Toledo to Montreal, at 6 to 5¾c. and wheat at 5½c. per bushel. From 1889 to 1899, no shipments to Montreal or other places in Canada reported.

Canal Freight from Buffalo to New York.

The following shows the changes in the ruling rates of freight to New York from Buffalo, on the days specified in 1903 (as reported by the Secretary, Merchants' Exchange, Buffalo).

Date, 1903.	Wheat, Bushels.	Corn, Bushels.	Date, 1903.	Wheat. Bushels.	Corn, Bushels.
	Cts.	Cts.		Cts.	Cts.
May 2	4	.....	July 15	4¼	3⅞
May 15	4¼	.....	September 16	4	3⅝
June 11	4	3¾	" 19	3⅞	3½
July 2	4¼	4	" 24 to close	3¾	3⅜

The freight on oats varied from 3 to 2⅞c. per bushel. Pine lumber, per 1,000 feet, was carried from Buffalo to Tonawanda to New York as follows: Opened at $1.50; June, $1.50; July, $1.50; August, $1.75; September, $1.75; October, $1.75 to close $1.75. Rates to Albany opened $2; June, $2; July, $2; August, $2.25; September, $2.25; October, $2.25 to close $2.25.

AVERAGE CANAL FREIGHTS.

BUFFALO TO NEW YORK.

The following statement shows the average rates of canal freights on wheat and corn between Buffalo and New York during each month in the past ten years, and the highest and lowest rates on wheat and average rate on wheat in each :—

(Reported by Sec. Merchants' Exchange, Buffalo.)

	Grain.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.
		Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
1894	Wheat	3·1	2·9	3·3	3·4	3·6	2·9	3·0
	Corn	2·8	2·6	3·0	3·1	3·3	2·6	2·7
Highest rate, wheat, 1894, 4c.; lowest, 3·6c.; average for the season, 3·2c.								
1895	Wheat	1·9	1·7	2·0	2·0	2·1	2·5	2·7
	Corn	1·7	1·5	1·7	1·7	2·0	2·2	2·5
Highest rate, wheat, 1895, 3c.; lowest, 1·9c.; average for the season, 2·2c.								
1896	Wheat	3·7	3·7	3·7	3·7	3·7	3·7	3·8
	Corn	3·5	3·5	3·5	3·5	3·5	3·5	3·6
Highest rate, wheat, 1896, 4c.; lowest, 3·1c.; average for the season, 3·7c.								
1897	Wheat	2·6	2·2	2·3	2·5	3·3	3·1	3·5
	Corn	2·2	1·8	2·0	2·2	2·8	2·6	3·0
Highest rate, wheat, 1897, 3·5c.; lowest, 2c.; average for the season, 2·8c.								
1898	Wheat	3·0	2·9	2·8	2·7	2·6	3·0	3·0
	Corn	2·5	2·3	2·4	2·1	2·2	2·6	2·6
Highest rate, wheat, 1898, 3·4c.; lowest, 2·5c.; average for the season, 2·8c.								
1899	Wheat	2·5	2·7	2·4	2·5	2·5	3·6	4·2
	Corn	2·3	2·3	2·1	2·1	2·2	3·0	3·5
Highest rate, wheat, 1899, 4·5c.; lowest, 2·5c.; average for the season, 3c.								
1900	Wheat	2·4	2·2	2·3	2·3	2·2	2·7	3·5
	Corn	2·1	2·0	2·1	2·0	2·0	2·4	3·0
Highest rate, wheat, 1900, 3½c.; lowest, 2c.; average for the season, 2·5c.								
1901	Wheat	3.4	3·2	3·2	3·2	3·3	4·0	4·1
	Corn	2·7	2·8	2·8	2·9	3·1	3.7	3·8
Highest rate, wheat, 1901, 4⅜c.; lowest, 3¼c.; average for the season, 3·5c.								
1902	Wheat	4·0	3·8	3·3	3·3	3·8	4·0	4·1
	Corn	3·6	3·4	3·1	3·1	3·5	3·7	3 8
Highest rate, wheat, 1902, 4½c.; lowest, 3⅜c.; average for the season, 3·8c.								
1903	Wheat	4·1	4·1	4·2	4·2	4·0	3·7	3·7
	Corn	3·7	3·7	3·8	3.8	3·6	3 3	3·3
Highest rate, wheat, 1903, 4¼c.; lowest, 3⅞c.; average for the season, 4c.								

Note.—Canal free of tolls since 1882.

FREIGHT, TOLLS, ELEVATING AND STORAGE RATES COMPARED.

The following statement shows the receipts of grain and flax seed at Buffalo, the average canal freight on wheat, and the tolls on wheat to New York, and the elevating and storage rates at Buffalo for a series of years (as reported by Secretary, Merchants' Exchange, Buffalo) :—

Year.	Grain received.	Average Canal Freight on Wheat.	Tolls on Wheat.	Elevating, including Storage.
	Bush.	Cts.	Cts.	Cts.
1870	32,208,039	11·2	3·1	1¼
1871	61,319,313	12·6	3·1	1¼
1872	58,703,666	13·0	3·1	1¼
1873	65,498,955	11·4	3·1	1¼
1874	55,660,198	10·0	3·1	1¼
1875	52,833,451	7·9	2·0	1
1876	44,207,121	6·6	2·0	1
1877	61,822,292	7·4	1·0	1
1878	78,828,443	6·0	1·0	1
1879	75,089,768	6·8	1·0	1
1880	105,133,009	6·5	1·0	1
1881	56,389,827	4·7	1·0	⅞
1882	51,501,503	5·4	1·0	⅞
1883	65,722,080	4·9	None.	⅞
1884*	58,011,800	4·2	do	⅞
1885*	52,671,090	3·8	do	⅞
1886*	75,570,850	5·0	do	⅞
1887*	87,073,570	4·6	do	⅞
1888*	73,977,390	3·4	do	⅞
1889*	92,290,550	4·8	do	⅞
1890*	91,994,680	3·8	do	⅞
1891*	135,315,510	3·5	do	⅞
1892*	138,872,560	3·5	do	⅞
1893*	140,796,410	4·6	do	⅞
1894*	105,435,577	3·2	do	⅞
1895*	121,225,497	2·2	do	⅞
1896*	172,474,664	3·7	do	⅞
1897*	204,964,103	2·8	do	⅞
1898*	221,383,945	2·8	do	⅝ to 0
1899*	153,393,184	3·0	do	½
1900*	157,655,968	2·5	do	½
1901	132,646,828	3·5	do	½
1902	124,624,386	3·8	do	½
1903	140,438,822	4·0	do	½

NOTE.—Prior to 1870 tolls 6·21 cents per bushel, and the elevating charge 2 cents per bushel.

* Including flax seed.

AVERAGE FREIGHT CHARGES PER BUSHEL.

For the transportation of Wheat and Corn from Chicago to New York for a series of years.

(From Report of Board of Trade, Chicago.)

Year.	Corn.			Wheat.		
	By lake and canal.	By lake and rail.	By all rail.	By lake and canal.	By lake and rail.	By all rail.
	$	$	$	$	$	$
1858	·127	.....	·3619	·1550	.....	·3861
1859	·1570	.....	·3248	·1663	.....	·3480
1860	*a* ·0833	.....	·3248	*a* ·095	.....	·3480
1861	*a* ·1062	.....	·3881	*a* ·1210	.....	·4158
1862	*a* ·0957	.....	·4480	*a* ·1062	.....	·4800
1863	*a* ·063	.....	·4592	*a* ·072	.....	·4920
1864	*a* ·09	.....	·5600	*a* ·0952	.....	·60
1865	*a* ·0864	.....	·4188	*a* ·0894	.....	·4488
1866	*a* ·1075	.....	·4312	*a* ·1377	.....	·4620
1867	*a* ·0511	.....	·4176	*a* ·08	.....	·4475
1868	*a* ·0604	.....	·3532	*a* ·0802	.....	·3784
1869	*a* ·0584	·2355	·3320	*a* ·0651	·2520	·3557
1870	*a* ·16	·2220	·28	*a* ·0677	·2250	·30
1871	*a* ·0754	·2372	·2968	*a* ·0687	·2542	·3180
1872	*a* ·1072	·2660	·3266	*a* ·1110	·2950	·3499
1873	*a* ·0816	·2298	·2893	*a* ·0917	·2461	·3102
1874	*a* ·0382	·1388	·2450	*a* ·0400	·1709	·2625
1875	*a* ·034	·1303	·2240	*a* ·0378	·1389	·2400
1876	*b* ·0875	·1079	·1574	*b* ·0982	·1136	·1686
1877	*b* ·0959	·1406	·1890	*b* ·1109	·1546	·2050
1878	*b* ·0883	·1053	·1652	*b* ·0996	·1209	·1770
1879	*b* ·1049	·1220	·1456	*b* ·1187	·1313	·1774
1880	*b* ·1341	·1443	·1748	*b* ·1313	·1580	·1980
1881	*b* ·0777	·0942	·1340	*b* ·0867	·1049	·1440
1882	*b* ·0672	·1028	·1350	*b* ·0723	·1091	·1447
1883	*b* ·0803	·11	·1512	*b* ·0901	·1163	·1620
1884	*b* ·0655	·085	·1232	*b* ·07	·10	·1320
1885	*b* ·063	·0801	·1232	*b* ·0654	·0902	·1320
1886	*b* ·0845	·1120	·14	*b* ·0910	·12	·1500
1887	*b* ·0850	·1120	·1470	*b* ·0950	·12	·1575
1888	*b* ·0671	·1026	·1354	*b* ·0705	·1114	·1450
1889	*b* ·0632	·0819	·126	*b* ·0692	·0897	·1500
1890	*b* ·0593	·0732	·1136	*b* ·0676	·0852	·1430
1891	*b* ·0632	·0753	·1400	*b* ·0695	·0857	·1500
1892	*b* ·0595	·0721	·1296	*b* ·0645	·0759	·1380
1893	*b* ·0718	·0797	·1365	*b* ·0766	·0848	·1463
1894	*b* ·0493	·0650	·1232	*b* ·0511	·0700	·1320
1895	*b* ·0450	·0640	·1029	*b* ·0486	·0696	·1189
1896	*b* ·0575	·0615	·1050	*b* ·0619	·0661	·1200
1897	*b* ·0453	·0692	·1143	*b* ·0522	·0742	·1250
1898	‡ ·0381	·0441	·0980	‡ ·0445	·0491	·1200
1899	‡ ·0508	·0583	·1008	‡ ·0581	·0663	·1160
1900	‡ ·0407	·0472	·0919	‡ ·0449	·0510	·0996
1901	‡ ·0461	·0516	·0921	‡ ·0511	·0554	·0988
1902	‡ ·0483	·0551	·0994	‡ ·0526	·0589	·1062
1903	‡ ·0485	·0578	·1054	‡ ·0540	·0637	·1129

a To Buffalo only. *b* Including Buffalo charges and tolls. ‡ Exclusive of Buffalo charges.

FOREIGN FREIGHT RATES.

ANNUAL average Freight Rates on Grain, Flour and Provisions (per 100 lbs.) from Chicago to European Ports, by all Rail to Sea-board and thence by steamers.

Shipped to	Articles.	1903.	1902.	1901.	1900.	1899.
		$	$	$	$	$
Liverpool	Grain	·2268	·2085	·2147	·2498	·2972
"	Sacked flour	·2519	·2350	·2300	·2790	·3012
"	Provisions	·4190	·3625	·3600	·4884	·4050
Glasgow	Grain	·2443	·2175	·2410	·3098	·3235
"	Sacked flour	·2538	·2275	·2438	·3156	·3125
"	Provisions	·4688	·4188	·4516	·5531	·4469
London	Grain	·2356	·2175	·2323	·3110	·3060
"	Sacked flour	·2519	·2400	·2550	·3501	·3350
"	Provisions	·4406	·3906	·4475	·5587	·4414
Antwerp	"	·4969	·4150	·4625	·5109	·4750
Hamburg	"	·4700	·3900	·4400	·5000	·4600
Amsterdam	"	·4200	·4000	·4500	·5100	·4700
Rotterdam	"	·4200	·4000	·4500	·5100	·4700
Copenhagen	"	·4969	·4200	·4775	·5531	·5172
Stockholm	"	·5250	·4500	·5325	·6450	·6297
Stettin	"	·4969	·4200	·4775	·5531	·5172
Bordeaux	"	·5625	·5125	·5425	·6412	·5912

LAKE FREIGHTS ON COAL FROM BUFFALO TO CHICAGO AND OTHER PORTS.

The following statement shows the average freight rate on Coal per net ton, in cents, from Buffalo to the ports named, during the seasons of 1902 and 1903.

(Buffalo Merchants' Exchange.)

	1903.	1902.
Freight on hard Coal, Buffalo to Chicago, per ton	49	48
" " Milwaukee "	49	54
" " Duluth "	38	43

TOTAL VALUES of Merchandise received from British North America for Immediate Transit across United States Territory, for Immediate Transhipment in Ports of the United States to British North America, and so shipped, during each Year from 1873 to 1903, inclusive.

YEAR ENDING JUNE 30.	COUNTRIES FROM WHICH RECEIVED.					COUNTRIES TO WHICH SHIPPED.				
	British North America.					British North America.				
	Nova Scotia, New Brunswick, and Prince Edward Island.	Quebec, Ontario, Manitoba and the North-west Territories.	British Columbia.	Newfoundland and Labrador.	Total.	Nova Scotia, New Brunswick, and Prince Edward Island.	Quebec, Ontario, Manitoba and the North-west Territories.	British Columbia.	Newfoundland and Labrador.	Total.
	$	$	$	$	$	$	$	$	$	$
1873	495,289	12,894,164	5,240	.....	13,394,693	5,282,290	21,320,174	181,720	.....	26,784,184
1874	449,655	13,616,344	97,691	.....	14,163,690	7,150,036	19,843,169	317,534	.....	27,310,739
1875	443,570	17,342 933	256,074	.....	18,042,577	8,999,596	20,283,639	517,060	.....	29,800,295
1876	261,443	22,134,275	195,047	1,137	22,591,902	9,102,600	14,658,358	658,836	94	24,419,888
1877	160,658	12,092,619	218,418	.....	12,471,695	2,879,422	15,551,238	544,018	2,475	18,977,153
1878	163,978	11,627,114	412,966	.....	12,204,058	951,268	11,436,470	524,013	934	12,912,685
1879	194,129	11,606,832	280,079	55	12,081,095	889,539	11,520,877	476,824	2,347	12,889,587
1880	215,131	16,782,315	137,271	.....	17,134,717	1,643,716	14,866,663	531,436	288	17,042,103
1881	171,383	16,758,108	72,555	.....	17,002,046	1,778,836	20,857,827	719,268	333	23,356,264
1882	164,990	28,265,083	113,018	87	28,543,178	2,732,665	34,005,845	855,784	1,190	37,595,484
1883	561,791	29,204,031	36,973	25	29,802,820	2,455,557	35,878,389	971,307	7,335	39,312,568
1884	656,233	12,574,953	188,041	.....	13,419,227	1,740,900	19,717,466	1,475,833	5,186	22,939,385
1885	933,806	12,280,483	308,691	633	13,523,613	1,635,442	16,448,942	1,615,293	781	19,700,458
1886	1,165,973	9,303,864	359,104	32,079	10,861,020	2,040,298	16,369,429	1,825,178	6,174	20,241,079
1887	1,684,730	9,606,175	213,816	.....	11,504,721	1,621,748	19,930,296	635,841	70	22,187,955
1888	1,525,048	6,417,701	372,934	27,134	8,542,817	1,781,028	13,459,169	370,322	1,137	13,611,656
1889	2,596,233	8,355,178	294,859	89,853	11,336,123	2,484,787	18,993,957	665,527	2,704	22,146,975
1890	3,070,657	12,449,772	306,897	174,584	16,001,910	5,277,210	21,140,198	913,106	4,690	27,335,204
1891	3,859,079	15,310,945	422,806	187,640	19,780,470	5,605,614	21,695,992	547,144	34,273	27,883,023
1892	4,393,062	19,005,704	201,373	328,116	23,928,255	2,079,783	24,189,181	428,188	6,962	26,704,114
1893	1,009,597	16,404,425	89,565	381,986	17,885,573	2,052,357	20,232,400	409,055	26,289	22,720,111
1894	1,070,676	15,649,881	348,069	273,467	17,342,093	1,831,417	17,880,688	463,471	6,640	20,182,216
1895	1,199,782	17,774,108	411,557	236,415	19,621,862	1,834,745	19,320,714	558,991	7,844	21,722,294
1896	1,118,185	18,038,931	582,469	404,020	20,143,605	1,572,783	19,441,279	772,586	1,768	21,788,416
1897	1,118,055	22,497,151	611,322	367,295	24,593,823	1,682,538	17,660,211	1,312,797	8,130	20,663,676
1898	1,440,950	35,596,039	1,744,289	555,706	39,336,984	1,536,413	22,400,622	2,294,356	19,247	26,250,638
1899	1,618,399	30,673,265	3,708,928	561,129	36,561,721	1,215,518	19,605,819	4,686,559	27,147	25,535,043
1900	2,002,264	37,657,936	3,914,668	553,031	44,127,899	1,245,771	27,452,333	2,730,612	49,555	31,478,271
1901	1,788,641	38,382,558	4,070,940	503,970	44,746,109	1,161,875	24,634,780	4,687,000	71,924	30,555,579
1902	2,206,590	54,332,135	4,531,932	639,241	61,709,898	5,086,469	27,049,441	5,441,234	31,522	37,608,666
1093	2,191,174	55,023,403	3,490,180	782,619	61,487,376	1,268,469	32,290,433	1,949,975	18,849	35,527,726

TOTAL VALUE of Merchandise received from the Principal and other Foreign Countries for Immediate Transit across United States Territory or for Immediate Transhipment in Ports of the United States to other Foreign Countries, and so shipped, for each Year from 1868 to 1903, inclusive.

Year ending June 30.	Countries from which Received.						Countries to which Shipped.						Total Value of Merchandise received and shipped.
	Great Britain and Ireland.	Germany.	British North American Possessions.	Mexico.	Cuba.	Other Countries.	Great Britain and Ireland.	Germany.	British North American Possessions.	Mexico.	Cuba.	Other Countries.	
	$	$	$	$	$	$	$	$	$	$	$	$	$
1868....	10,664,576	132,074	4,864,209	14,967	4,263,621	1,576,157	2,025,023	3,212,123	14,375,419	481,643	116,521	1,304,875	21,516,604
1869....	10,891,698	150,382	5,852,678	60,715	2,373,474	1,767,037	2,693,525	1,547,602	15,033,821	448,300	72,875	1,299,861	21,095,984
1870....	10,210,455	302,806	7,215,973	103,977	3,309,227	2,049,422	2,946,053	2.116,249	16,689,037	321,331	135,915	983,275	23,191,860
1871....	13,473,915	322,110	7,954,060	344,179	1,367,573	1,913,200	4,031,319	1 033,307	18,406,475	346,872	345,224	1,211,840	25,375,037
1872....	17,633,231	227,232	9,276,169	174,104	2,227,422	1,847,162	2,743,494	2 263,819	24,042,790	358,151	179,570	1,797,496	31,385,320
1873....	19,144,815	250,704	13,394,693	286,607	5,737,904	1,284,462	5,144 175	5,622,325	26,784,184	235,113	319,771	1,993,617	40,099,185
1874....	18,832,900	211,907	14,163,690	151,920	4,563,869	926,390	5 391 201	3,866,642	27,310,739	665,214	520,493	1,096,387	38,850,676
1875....	18,657,276	325,648	18,042,577	115,527	1,759,308	1,785,947	7,229,912	1,495,285	29,800,295	1,155,004	248,358	757,429	40,686,283
1876....	14,304,197	290,489	22,591,902	226,315	2,962,963	1,686,789	11,791,200	2,958,558	24,419,888	1,129,440	600,061	1,163,508	42,062,655
1877....	13,732,085	337,897	12,471,695	158,852	1,095,451	1,460,793	7,758,501	1,108,298	18,977,153	329,577	306,311	776,933	29,256,773
1878....	10,084,510	378,768	12,204,058	146,822	3,041,957	1,481,033	9,577,050	2,905,230	12,912,685	316,664	319,611	1,305,908	27,337,148
1879....	8,795,340	521,917	12,081,095	222,320	1,954,042	1,521,153	8,175,951	2,252,572	12,889,587	330,968	174,757	1,272,032	25,095,867
1880....	10,311,139	620,704	17,134,747	239,655	3,606,099	1,942,405	10,856,579	3,658,477	17,042,103	300,148	224,848	1,775,594	33,857,749
1881....	14,898,052	721,344	17,002,046	217,444	2,642,550	2,222,122	9,122,079	2,729,246	23,356,264	671,008	177,340	1,648,121	37,704,048
1882....	18,911,637	755,560	28,543,178	380,100	5,662,926	3,812,058	11,592,806	5,336,361	37,595,484	800,025	319,257	2,421,526	58,065,459
1883....	20,242,222	1,149,195	29,802,820	281,309	3,126,069	4,276,712	11,089,865	2,758,994	39,312,568	2,282,473	352,552	3,081,875	58,878,327
1884....	14,038,694	948,901	13,419,227	408,124	3,655,568	4,345,878	5,288,389	2,960,488	22,939,385	2,748,434	221,061	2,656,635	36,814,392
1885....	11,064,186	1,140,548	13,523,613	308,293	4,853,354	3,545,544	7,235,519	3,771,524	19,700,458	1,262,515	119,376	2,346,146	34,435,538
1886....	13,142,644	1,462,414	10,861,020	216,078	6,797,879	4,558,229	8,510,097	3,803,566	20,241,079	1,279,399	452,700	2,751,423	37,038,264
1887....	17,977,200	1,670,952	11,504,721	111,635	6,780,853	4,720,760	10,052,219	4,353,992	22,187,955	2,002,476	608,121	3,561,358	42,766,121
1888....	13,707,240	1,817,511	8,342,817	120,497	4,820,846	4,534,298	6,853,195	2,551,043	15,611,656	3,766,180	563,539	3,997,596	33,343,209
1889....	19,080,647	2,582,456	11,336,123	296,654	9,054,736	5,052,610	9,233,659	4,581,064	22,146,975	4,781,110	892,158	5,768,287	47,403,253
1890....	20,664,427	2,735,546	16,002,384	639,050	9,759,256	5,898,763	10,656,465	5,097,434	27,335,678	4,944,149	1,215,399	6,450,301	55,699,426
1891....	20,879,851	2,819,238	19,780,470	565,338	6,977,901	6,475,119	11,968,808	3,640,940	27,883,023	5,052,318	966,851	7,985,977	57,497,917
1892....	21,334,783	2,930,571	23,928,255	1,383,455	11,054,445	8,936,228	20,141,862	6,995,419	26,704,114	4,953,911	1,472,980	9,299,451	69,567,737
1893....	20,387,339	3,466,885	17,885,573	1,652,200	10,131,171	14,426,669	18,511,287	7,986,637	22,720,111	4,607,549	2,034,761	12,089,492	67,949,837
1894....	19,641,622	3,717,740	17,342,093	1,858,367	9,916,742	19,031,011	18,394,865	11,154,933	20,182,216	4,543,455	2,586,919	16,645,187	71,507,575
1895....	18,531,083	4,122,899	19,621,862	2,515,091	10,420,277	10,465,981	20,562,325	6,684,735	21,722,294	4,512,293	1,951,985	10,243,561	65,677,193
1896....	19,420,751	3,460,489	20,143,605	1,797,161	11,668,243	13,272,521	20,022,263	7,942,844	21,788,416	5,210,607	1,890,705	12,907,932	69,762,770
1897....	17,513,324	3,183,390	24,593,823	1,903,924	9,589,820	13,275.822	24,809,259	5,333,860	20,663,676	5,320,563	2,058,454	11,874,291	70,060,103
1898....	18,931,226	3,775,038	39,336,984	2,625,521	4,763,587	11,587,069	33,276,696	3,807,811	26,250,638	5,543,843	1,728,780	10,411,607	81,019,375
1899....	16 594,043	4,069,828	36,561,721	3,519,942	8,372,450	10,910,462	29,695,600	5,711,338	25,535,043	5,669,214	2,760,086	10,657,165	80,028,446
1900....	23,152,099	3,915,766	44,127,899	4,245,695	9,316,066	13,793,937	37,383,450	6,488,502	31,478,271	6,965,660	3,484,521	12,751,058	98,551,462
1901....	21,771,394	4,681,613	44,746,109	4,659,259	15,680,902	14,821,842	37,506,242	14,204,010	30,555,579	8,110,116	3,577,929	12,407,243	106,361,119
1902....	22,782,353	4,826,666	61,709,898	5,303,403	10,598,013	13,305,527	50,307,083	6,701,903	37,608,666	8,083,313	3,128,575	14,696,320	118,525,860
1903....	22,583,099	5,564,526	61,487,376	6,681,984	10,190,906	15,478,227	51,137,598	6,851,163	35,527,726	9,577,354	3,080,344	15,811,933	121,986,118

FOREIGN CARRYING TRADE.

VALUE of the Imports and Exports of the United States carried respectively in cars and other land vehicles, in American vessels and in foreign vessels during each Fiscal Year, from 1857 to 1903 inclusive with the percentage carried in American vessels (coin and bullion are included from 1857 to 1879 inclusive), as method of transportation of specie and merchandise cannot be separately stated.

Year ending June 30.	Imports.			Exports.			Imports and Exports.				Percentage carried in American vessels.
	In cars and other land vehicles	In American vessels.	In Foreign vessels.	In cars and other land vehicles	In American vessels.	In Foreign vessels.	In cars and other land vehicles	In American vessels.	In Foreign vessels.	Total.	
	$	$	$	$	$	$	$	$	$	$	
1857	.....	259,116,170	101,773,971	.....	251,214,857	111,745,825	.....	510,331,027	213,519,796	723,850,823	70·5
1858	.....	203,700,016	78,913,134	.....	243,491,288	81,153,133	.....	447,191,304	160,066,267	607,257,571	73·7
1859	.....	216,123,428	122,644,702	.....	249,617,953	107,171,509	.....	465,741,381	229,816,211	695,557,592	66·9
1860	.....	228,164,855	134,001,399	.....	279,082,902	121,039,394	.....	507,247,757	255,040,793	762,288,550	66·5
1861	.....	201,544,055	134,106,098	.....	179,972,733	69,372,180	.....	381,516,788	203,478,278	584,995,066	65·2
1862	.....	92,274,100	113,497,629	.....	125,421,318	104,517,667	.....	217,695,418	218,015,296	435,710,714	50·0
1863	.....	109,744,580	143,175,340	.....	132,127,891	199,880,691	.....	241,872,471	343,056,031	584,928,502	41·4
1864	.....	81,212,077	248,350,818	.....	102,849,409	237,442,730	.....	184,061,486	485,793,548	669,855,034	27·5
1865	.....	74,385,116	174,170,336	.....	93,017,756	262,839,588	.....	167,402,872	437,010,124	604,412,996	27·7
1866	.....	112,040,395	333,471,763	.....	213,671,466	351,754,928	.....	325,711,861	685,226,691	1,010,938,552	32·2
1867	.....	117,209,536	300,622,035	.....	180,625,368	280,708,368	.....	297,834,904	581,330,403	879,165,307	33·9
1868	.....	122,965,225	248,659,583	.....	175,106,348	301,886,491	.....	297,981,573	550,546,074	848,527,647	35·1
1869	.....	136,802,024	300,512,231	.....	153,154,748	285,979,781	.....	289,956,772	586,492,012	876,448,784	33·1
1870	.....	153,237,077	309,140,510	.....	199,732,324	329,786,978	.....	352,969,401	638,927,488	991,896,889	35·6
1871	15,187,354	163,285,710	363,020,644	7,798,156	190,378,462	392,801,932	22,985,510	353,664,172	755,822,576	1,132,472,258	31·2
1872	17,635,681	177,286,302	445,416,783	10,015,089	168,044,799	393,929,579	27,650,770	345,341,101	839,346,362	1,212,328,233	28·5
1873	17,070,548	174,739,834	471,806,765	10,799,430	171,566,758	494,915,886	27,869,978	346,306,592	966,723,651	1,340,899,221	25·8
1874	14,513,335	176,027,778	405,320,135	8,509,205	174,424,216	533,885,971	23,022,540	350,451,994	939,206,106	1,312,680,640	26·7
1875	13,083,859	157,872,726	382,949,568	7,304,356	156,385,066	501,838,949	20,388,235	314,257,792	884,788,517	1,119,434,544	25·8
1876	12,148,667	143,389,704	321,139,500	6,324,487	167,686,467	492,215,487	18,473,154	311,076,171	813,354,987	1,142,904,312	27·2
1877	10,697,640	151,834,067	329,565,833	6,767,170	164,826,214	530,354,703	17,464,810	316,660,281	859,920,536	1,194,045,627	26·5
1878	12,965,999	146,499,282	307,407,565	7,511,365	166,551,624	569,583,564	20,477,364	313,050,906	876,991,129	1,210,519,399	25·9
1879	11,983,823	143,590,353	310,499,599	7,439,862	128,425,339	600,769,633	19,423,685	272,015,692	911,269,232	1,202,708,609	22·6
1880	15,142,465	149,317,368	503,494,913	5,838,928	109,029,209	720,770,521	20,981,393	258,346,577	1,224,265,434	1,503,593,404	17·18
1881	17,193,213	133,631,146	491,840,269	8,259,308	116,955,324	777,162,714	25,452,521	250,586,470	1,269,002,983	1,545,041,974	16·22
1882	22,854,946	130,266,826	571,517,802	12,118,371	96,962,919	641,460,967	34,973,317	227,229,745	1,212,978,769	1,475,181,831	15·40
1883	23,003,048	136,002,290	564,175,576	25,089,844	104,418,210	694,331,348	48,092,892	240,420,500	1,258,506,024	1,547,020,316	15·54
1884	20,140,294	135,046,207	512,511,192	26,573,774	98,652,828	615,287,007	46,714,068	233,699,035	1,127,798,199	1,408,211,302	16·60
1885	21,149,476	112,864,052	443,513,801	24,183,299	82,001,691	636,004,765	45,332,775	194,865,743	1,079,518,566	1,319,717,084	14·76
1886	24,555,683	118,942,817	491,937,636	19,144,667	78,406,680	581,973,477	43,700,350	197,349,503	1,073,911,113	1,314,960,966	15·01
1887	27,562,059	121,365,493	543,392,216	21,389,666	72,991,253	621,802,292	48,951,725	194,356,746	1,165,194,508	1,408,502,979	13·80

VALUE of the Imports and Exports of the United States carried respectively in cars and other land vehicles, &c.—*Concluded.*

Year ending June 30.	Imports.			Exports.			Imports and Exports.				Percentage carried in American vessels.
	In cars and other land vehicles	In American vessels.	In Foreign vessels.	In cars and other land vehicles	In American vessels.	In Foreign vessels.	In cars and other land vehicles	In American vessels.	In Foreign vessels.	Total.	
	$	$	$	$	$	$	$	$	$	$	
1888	32,209,459	123,525,298	568,222,357	22,147,368	67,332,175	606,474,964	54,356,827	190,857,473	1,174,697,321	1,419,911,621	13·44
1889	38,227,861	120,782,910	586,120,881	28,436,517	83,022,198	630,942,660	66,664,378	203,805,108	1,217,063,541	1,487,533,027	13·70
1890	40,621,361	124,948,948	623,740,100	32,949,902	77,502,138	747,376,644	73,576,263	202,451,086	1,371,116,744	1,647,139,093	12·29
1891	40,932,755	127,471,678	676,511,763	31,923,439	78,968,047	773,589,324	72,856,194	206,439,725	1,450,101,087	1,729,397,006	11·94
1892	39,726,595	139,139,891	648,535,976	33,220,629	81,033,844	916,023,675	72,947,224	220,173,735	1,564,559,651	1,857,680,610	11·85
1893	44,121,094	127,095,434	695,184,394	43,862,947	70,670,073	733,132,174	87,984,041	197,765,507	1,428,316,568	1,714,066,116	12·2
1894	29,623,095	121,561,193	503,810,334	49,221,427	73,707,023	769,212,122	78,844,522	195,268,216	1,273,022,456	1,547,135,194	13·3
1895	33,201,988	108,229,615	590,538,362	49,902,754	62,277,581	695,357,830	83,104,742	170,507,196	1,285,896,192	1,589,508,130	11·7
1896	35,535,079	117,299,074	626,890,521	61,131,125	70,392,813	751,083,000	96,666,204	187,691,887	1,377,973,521	1,662,331,612	12·00
1897	35 812,620	109,133,454	619,784,338	65,082,305	79,441,823	905,969,428	100,894,925	189,075,277	1,525,753,766	1,815,723,968	11·00
1898	30,427,784	93,535,867	492,086,003	73,283,704	67,792,150	1,090,406,476	103,711,488	161,328,017	1,582,492,479	1,847,531,984	9·30
1899	33,424,821	82,050,118	581,673,550	83,870,907	78,562,088	1,064,590,307	117,295,728	160,612,206	1,646,263,857	1,924,171,791	8·9
1900	44,412,509	104,304,940	701,223,735	110,483,141	90,779,252	1,193,220,689	154,895,650	195,084,192	1,894,444,424	2,244,424,266	9·3
1901	47,100,814	93,0[illegible]5,493	683,015,858	111,900,931	84,343,122	1,291,520,938	159,001,745	177,398,615	1,974,536,796	2,310,937,156	8·2
1902	56,366,711	102,[illegible]8,002	744,766,235	123,824,337	83,631,985	1,174,263,079	180,191,048	185,819,987	1,919,029,314	2,285,040,349	8·8
1903	66,208,195	123,6[illegible]6,832	835,844,210	138,851,301	91,028,200	1,190,262,178	205,059,496	214,695,032	2,026,106,388	2,445,860,916	9·1

NOTE.—1. The amounts carried in cars and other land vehicles, were not separately stated prior to July 1, 1870. 2. Exports are stated in mixed gold and currency values from 1862 to 1879, inclusive.

SESSIONAL PAPER No. 20

STATEMENT showing the Total Values of Foreign Merchandise transported in the In-Transit and Transhipment Trade of the United States with the British North American Possessions, during each year from 1871 to 1903.

Year ending June 30.	Received for transit and transhipment from British North American Possessions.			Shipped in transit to or transhipment for British North American Possessions.		
	By Land.	By Water.	Total.	By Land.	By Water.	Total.
	$	$	$	$	$	$
1871	6,035,585	1,918,475	7,954,060	15,624,591	2,781,884	18,406,475
1872	8,237,859	1,038,310	9,276,169	19,357,342	4,685,448	24,042,790
1873	11,700,787	1,693,906	13,394,693	20,178,666	6,605,518	26,784,184
1874	12,695,590	1,468,100	14,163,690	20,572 299	6,938,430	27,510,739
1875	16,890,022	1,152,555	18,042,577	23,794,129	6,006,166	29,800,295
1876	21,301,262	1,290,640	22,591,902	19,369,958	5,049,930	24,419,888
1877	10,835,642	1,636,053	12,471,695	17,066,855	1,910,298	18,977,153
1878	10,314,534	1,889,524	12,204,058	11,914,321	998,364	12,912,685
1879	10,098,998	1,982,097	12,081,095	12,030,635	858,952	12,889,587
1880	15,265,177	1,869,570	17,134,747	16,388,673	653,430	17,042,003
1881	15,200,967	1,801,079	17,002,046	22,828,270	527,994	23,356,264
1882	24,665,029	3,878,149	28,543,178	36,613,465	982,019	37,595,484
1883	26,382,370	3,420,450	29,802,820	38,389,318	923,250	39,312,568
1884	13,043,498	375,729	13,419,227	22,120,587	818,798	22,939,385
1885	12,755,686	767,927	13,523,613	19,105,476	594,982	19,700,458
1886	9,593,344	1,267,676	10,861,020	19,428,867	812,212	20,241,079
1887	9,377,041	2,127,680	11,504,721	20,178,365	2,009,590	22,187,955
1888	6,309,024	2,033,793	8,342,817	13,347,876	2,063,780	15,611,656
1889	8,303,171	3,032,952	11,336,123	19,299,966	2,849,263	22,149,229
1890	13,524,298	2,477,612	16,001,910	24,788,152	2,547,052	27,335,201
1891	18,065,925	1,714,545	19,780,470	25,185,706	2,697,317	27,883,023
1892	21,346,413	2,581,842	23,928,255	23,989,746	2,714,368	26,704,114
1893	13,807,662	4,077,911	17,885,573	20,151,432	2,568,679	22,720,111
1894	13,501,664	3,840,429	17,342,093	17,974,332	2,207,884	20,182,216
1895	14,068,922	5,552,940	19,621,862	18,752,226	2,970,068	21,722,294
1896	13,408,578	6,735,027	20,143,605	18,335,373	3,453,043	21,788,416
1897	17,665,422	6,928,401	24,593,823	18,430,841	2,232,835	20 663,676
1898	27,277,049	12,059,935	39,336,984	22,792,971	3,457,667	26,250,638
1899	28,248,759	8,312,962	36,561,721	22,593,761	2,941,282	25,535,043
1900	33,346,150	10,781,749	44,127,899	27,996,981	3,481,290	31,478,271
1901	37,680,071	7,066,038	44,746,109	27,899,903	2,655,676	30,555,579
1902	46,761,353	14,948,545	61,709,898	30,518,576	7,090,090	37,608,666
1903	45,026,422	16,460,954	61,487,376	32,349,527	3,178,199	35,527,726

NOTE.—This movement forms no part of the import and export trade.

C.—TABLE showing the Tonnage of the undermentioned Articles moved

Years.	VEGETABLE FOOD.						
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Vegetable Food.*
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869.....	71,051	670,534	256,475	99,012	92,309	13,489	99,743
1870.....	54,978	658,524	193,129	123,191	117,941	19,520	127,727
1871.....	41,211	748,549	672,057	113,992	129,891	34,563	109,935
1872.....	20,534	403,903	902,753	120,061	92,959	13,357	120,753
1873.....	19,307	803,064	637,296	70,586	70,023	30,160	114,735
1874.....	29,134	772,163	519,203	98,654	59,408	8,215	280,821
1875.....	17,635	744,293	282,031	104,475	62,717	8,309	86,090
1876.....	9,290	416,376	365,254	96,494	52,147	19,949	104,783
1877.....	8,923	448,043	723,458	139,453	66,045	35,948	77,114
1878.....	5,904	844,555	734,993	89,534	85,029	64,613	88,106
1879.....	7,164	949,466	621,180	96,144	23,164	59,210	77,071
1880.....	8,266	966,052	1,156,619	106,247	20,893	26,340	86,673
1881.....	6,926	444,832	475,823	81,587	30,321	15,484	61,588
1882.....	9,372	642,215	251,687	96,650	22,180	43,372	53,300
1883.....	9,047	573,740	522,978	58,787	51,607	95,246	67,595
1884.....	7,251	790,409	198,216	65,008	52,696	71,462	51,944
1885.....	6,869	565,922	359,982	64,587	8,234	10,211	47,505
1886.....	9,005	993,129	354,765	62,854	7,278	3,073	59,782
1887.....	4,089	936,840	446,617	75,458	35,365	6,717	47,678
1888.....	3,287	491,419	499,218	41,100	70,315	12,532	49,087
1889.....	4,429	484,141	592,550	66,110	63,674	36,329	49,663
1890.....	3,489	353,738	616,702	90,754	48,438	21,657	33,123
1891.....	3,126	756,101	142,141	71,903	16,362	68,771	33,951
1892.....	4,879	620,768	150,269	51,596	72,444	4,236	33,807
1893.....	2,367	1,093,927	252,283	49,651	24,714	6,518	20,656
1894.....	2,909	903,361	275,377	89,700	100,874	5,288	22,620
1895.....	2,240	280,550	94,403	77,868	87,839	205	59,400
1896.....	7,963	408,872	100,227	109,967	197,713	77,210	55,230
1897.....	3,206	180,035	312,776	100,337	50,345	66,387	31,489
1898.....	1,854	69,986	364,248	89,906	76,244	7,745	43,044
1899.....	1,247	282,422	92,670	78,627	93,733	5,931	22,856
1900.....	1,171	138,302	189,013	63,204	36,435	10,478	34,254
1901.....	747	214,854	87,392	55,502	88,521	10,326	99,757
1902.....	1,328	291,938	33,001	75,314	44,678	18,503	24,291
1903.....	1,075	143,832	191,351	71,837	62,326	12,027	30,153

* Apples, meal all kinds, pease, potatoes.

on all Canals in the State of New York, during a series of thirty-five years.

Total.	Railway Iron.	Other Iron.	Salt.	Coal.	Ores.	Total.
			Heavy Goods.			
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1,302,613	137,677	79,652	263,333	1,324,408	183,992	1,989,062
1,295,010	135,930	89,708	266,740	1,558,185	238,802	2,289,365
1,850,198	178,269	100,310	248,709	1,194,037	289,952	2,011,277
1,674,320	161,667	96,996	248,558	1,462,590	377,592	2,347,403
1,745,171	53,363	62,581	216,706	1,625,859	415,968	2,374,477
1,767,598	24,511	82,955	173,590	1,413,162	232,544	1,926,762
1,305,550	36,603	95,305	186,785	1,217,091	283,219	1,819,003
1,064,293	11,691	69,450	114,070	1,036,698	173,530	1,405,439
1,498,984	10,341	58,828	156,918	1,286,881	250,573	1,763,541
1,912,734	8,385	65,642	139,927	889,873	210,078	1,313,905
1,833,399	27,634	99,568	136,021	971,074	314,411	1,548,708
2,371,090	93,613	139,993	144,487	959,342	370,884	1,709,319
1,116,561	78,650	205,005	113,756	1,092,003	337,873	1,827,287
1,118,776	58,921	122,786	108,040	1,228,435	364,361	1,882,543
1,379,000	46,553	47,412	190,392	1,152,849	293,892	1,731,098
1,236,986	28,513	54,471	161,788	954,288	210,610	1,400,670
1,063,310	12,215	38,726	161,272	1,025,941	195,750	1,433,904
1,489,886	10,878	152,030	112,002	857,884	269,914	1,402,708
1,552,764	21,368	224,979	124,054	905,424	243,578	1,539,403
1,166,958	2,596	43,881	106,344	1,219,680	259,269	1,631,770
1,296,896	3,278	78,135	112,100	1,094,897	234,948	1,523,358
1,167,901	5,800	26,804	93,181	830,154	202,072	1,157,291
1,092,355	1,960	36,770	81,232	881,502	215,686	1,217,150
937,999	524	40,073	93,216	832,397	136,612	1,102,822
1,450,116	536	25,204	52,094	741,934	102,275	922,043
1,400,129	267	22,614	70,353	609,368	37,641	740,243
602,505	4,263	59,402	71,334	766,723	144,076	1,045,798
957,182	1,568	74,651	83,309	682,167	89,998	931,692
744,575	5,080	71,117	66,879	646,803	76,311	866,190
653,027	6,288	101,216	85,525	626,616	73,199	892,844
577,486	2,725	69,106	91,068	777,743	205,234	1,145,876
472,857	833	49,036	88,635	809,187	103,514	1,051,205
557,099	709	30,110	100,080	774 538	90,656	996,093
489,053	15	24,077	111,430	567,911	115,983	819,416
512,601	181	21,577	111,955	733,369	101,752	968,834

D.–TABLE showing the total Tonnage of the undermentioned Articles moved Up and Down

Year.	Vegetable Food.						
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles. †
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869*.....	45,674	313,825	120,599	20,951	.....	904	1,937
1872.....	26,651	239,998	254,902	6,035	7,752	64	2,745
1873.....	30,665	355,847	180,169	8,225	1,194	3	3,777
1874.....	24,019	413,212	181,151	18,871	5,954	513	8,677
1875.....	13,964	253,835	103,749	35,751	3,383	917	6,337
1876	15,778	201,906	144,501	18,455	24,496	1,454	3,198
1877.....	13,558	253,953	169,196	19,870	2,810	2,439	2,355
1878.....	9,121	191,982	185,931	10,979	3,088	.....	2,302
1879.....	10,710	274,570	144,506	4,655	1,239	440	2,444
1880.....	12,679	242,020	163,738	17,772	477	1,016	1,480
1881.....	9,959	127,832	101,075	24,509	.....	1,844	2,086
1882.....	12,261	215,056	54,799	20,126	611	3,226	403
1883.....	13,471	152,794	182,269	10,436	731	1,642	10,983
1884.....	13,683	144,851	118,811	7,155	10,746	1,320	9,168
1885.....	13,334	124,206	117,536	15,801	1,116	.....	1,912
1886.....	19,474	154,169	219,442	1,595	4,911	564	14,657
1887.....	23,949	221,927	114,938	9,574	12,050	.....	12,533
1888.....	16,983	160,963	194,886	5,906	26,629	811	13,608
1889.....	7,931	126,664	353,595	4,272	28,356	2,673	18,552
1890.....	14,461	118,002	327,394	10,830	27,728	1,549	20,876
1891.....	13,517	198,658	185,180	8,113	52,959	65,888	28,042
1892.....	17,046	232,019	192,548	6,433	37,173	9,392	32,815
1893.....	15,235	258,392	441,092	18,599	31,283	3,671	36,981
1894.....	33,628	270,993	169,233	28,353	27,962	567	60,673
1895.....	44,044	203,088	164,894	8,689	18,236	1,007	46,463
1896.....	42,425	320,563	320,444	11,368	28,178	9,405	56,591
1897.....	9,065	324,743	390,615	14,173	25,161	8,483	44,674
1898.....	5,578	207,647	437,861	12,286	17,502	16,127	23,182
1899.....	11,625	197,732	204,004	2,907	24,037	923	18,460
1900.....	10,968	137,800	163,509	4,035	41,055	3,538	14,815
1901.....	18,978	151,586	67,756	7,119	28,485	2,961	14,024
1902.....	22,282	225,171	67,647	7,418	11,232	4,079	12,963
1903.....	25,998	259,031	210,758	14,656	7,911	4,904	13,994

* Fiscal † Apples, meal all kinds, pease, potatoes.

through the Welland Canal, during a period of thirty-three years, ended Dec. 31, 1903.

	Heavy Goods.						
Total.	Railway Iron.	Other Iron.	Salt.	Iron and Salt having paid full tolls on St. Lawrence Canals.	Coal.	Ores.	Total.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
503,860	68,064	16,924	91,575	37,153	103,126	58,781	275,623
538,147	26,217	17,141	50,540	44,243	186,932	98,605	3,678
579,880	6,923	20,754	40,850	17,157	339,016	118,685	43,387
647,397	6,032	12,068	23,309	9,579	323,503	56,825	431,316
417,936	1,517	7,588	13,509	9,962	321,306	43,683	397,565
409,788	51	7,997	30,300	20,327	288,211	81,654	378,540
464,181	9,630	9,696	9,173	3,983	323,869	42,758	399,109
403,403	10	11,518	3,980	12,686	295,318	15,229	338,741
438,564	2,782	5,797	7,174	17,796	192,957	19,164	245,670
442,182	5,360	4,812	413	22,273	109,986	34,139	176,983
269,395	4,585	7,013	10	30,682	128,113	18,785	189,188
306,482	.....	5,348	50	17,327	237,559	23,700	283,984
373,326	1,237	7,922	66	17,037	307,058	31,785	365,105
305,734	698	652	461	3,242	274,471	53,205	332,729
273,905	78	2,055	597	14,243	248,272	26,728	291,973
414,812	166	6,123	48	12,324	271,356	27,447	317,464
394,971	1,351	5,636	.....	6,715	145,193	13,866	172,761
419,786	93	3,220	316	13,617	223,871	16,872	257,989
542,043	47	2,479	1,254	20,269	268,305	2,435	294,789
519,291	.....	753	1,027	28,047	202,384	8,138	240,349
367,177	127	1,610	2,567	7,953	224,644	3,415	240,316
527,426	163	1,567	878	3,666	211,616	355	218,245
805,253	6	2,075	374	8,139	233,096	.....	243,690
591,409	.....	3,072	159	977	203,608	.....	207,816
486,421	185	6,245	54	2,819	158,866	1,140	169,309
788.974	1,192	6,332	82	3,264	223,445	1,158	235,473
816,914	7,206	17,012	227	590	176,226	.....	201,261
720,183	1,444	11,722	799	734	162,336	13,433	190,468
459,688	567	6,361	1,282	1,318	97,732	26,125	133,385
375,720	.....	8,190	533	4,800	47,392	58,400	119,315
290,909	83	6,094	327	8,773	49,480	99,487	164,244
350,792	64	7,488	.....	15,201	64,014	22,480	109,247
537,252	488	5,407	2,554	45,846	147,884	18,323	220,502

E.—TABLE showing the tonnages of the undermentioned Articles cleared at Buffalo and Tonawanda, for transit through the Erie Canal, for a series of thirty-five years.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles *	Total.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
1869	5,609	490,904	219,874	1,978	63,728	2,150	2,193	786,436	.....	....
1870	8,258	502,158	165,577	19,944	89,156	10,593	6,906	802,592	2·05	.....
1871	5,607	570,849	579,709	19,810	106,391	27,622	5,705	1,315,693	67·59	.....
1872	.....	330,032	866,169	41,515	73,572	5,900	88	1,317,276	67·50	.....
1873	6	737,167	611,675	8,636	51,615	22,441	634	1,432,174	82·10	.....
1874	.....	650,161	459,728	3,192	44,079	112	237	1,157,509	47·18	.....
1875	5,859	695,315	273,006	1,156	36,609	2,242	3,372	1,017,559	29·38	.....
1876	231	377,317	356,064	6,334	24,488	12,205	4,691	783,331	.....	0·39
1877	1,710	398,416	709,723	26,351	52,559	27,365	4,976	1,223,100	55·52	.....
1878	987	775,953	718,714	21,665	69,256	51,064	6,662	1,644,301	109·08	.....
1879	1,239	892,404	602,171	7,193	14,537	40,471	7,528	1,565,543	99·07	.....
1880	2,743	897,603	131,857	434	16,154	12,137	4,256	2,065,184	162·06	.....
1881	1,491	386,605	458,318	86	24,751	107	7,484	878,842	11·75	.....
1882	1,123	586,019	241,406	1,858	9,046	19,158	6,216	864,826	9·96	.....
1883	538	535,150	517,219	6,816	47,190	79,010	6,051	1,191,974	51·06	.....
1884	520	767,784	194,368	4,910	47,069	57,856	4,411	1,078,909	37·18	.....
1885	323	540,533	356,737	3,317	5,610	6,405	5,427	918,352	14·36	.....
1886	488	955,851	351,272	6,799	5,180	.....	4,001	1,353,591	72·11	.....
1887	334	914,152	438,069	15,207	32,907	4,612	44,693	1,449,984	85·64	.....
1888	534	469,965	494,110	6,589	68,922	10,997	1,717	1,052,834	33·87	.....
1889	845	457,922	579,526	16,380	61,175	34,167	5,160	1,155,175	46·88	.....
1890	195	329,531	498,641	58,563	45,202	16,903	4,362	953,397	21·23	.....
1891	1,071	733,967	137,679	43,779	14,803	66,278	2,594	1,000,171	27·18	.....
1892	2,485	611,177	141,506	37,570	70,363	3,997	3,472	870,570	10·69	.....
1893	424	1,086,834	240,767	38,986	21,981	6,156	243	1,395,391	77·43	.....
1894	327	887,908	265,947	69,707	99,898	5,191	2,123	1,331,101	69·26	.....
1895	98	271,957	83,611	71,185	85,507	205	15	503,596	.....	35·32
1896	6,971	402,114	89,726	101,154	194,442	77,162	5,575	877,144	11·53	.....
1897	1,665	168,870	303,761	88,293	48,591	65,490	11,965	688,635	.....	12 44
1898	.....	64,760	354,917	85,359	74,336	7,367	20,818	607,557	.....	22·74
1899	.....	271,848	84,370	72,892	92,919	5,839	.....	527,868	.....	32 89
1900	620	129,683	184,996	53,472	33,564	10,478	25,621	438,434	.....	44·11
1901	3	211,317	86,240	45,624	87,357	10,326	32,862	473,729	.....	39·76
1902	.....	289,207	30,293	50,500	43,162	18,503	5,278	436,943	.....	44·44
1903	.....	140,508	183,856	47,857	61,069	12,027	510	445,818	.....	43·31

* Apples, meal all kinds, pease, potatoes.

STATEMENT to Table E showing the shipment at Oswego during the same period.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles *	Total.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
1869	7,361	141,360	28,585	66,794	1,113	8,569	14,033	267,815	..	.. ..
1870	11,440	115,732	10,120	77,906	3,953	7,402	11,628	238,181	...	11·06
1871	10,043	123,173	70,218	72,675	1,806	6,250	13,259	297,424	11·05	.....
1872	4,773	57,865	27,148	62,172	684	6,751	10,425	169,818	.. .	36·59
1873	4,061	53,361	10,578	46,337	670	6,019	10,739	131,765	.....	50·80
1874	.....	108,288	46,127	77,007	1,103	7,053	3,747	243,325	.....	9·14
1875	1,728	32,690	3,034	75,083	3,308	4,989	5,931	126,763	.....	52·67
1876	967	21,890	1,324	63,336	117	5,703	6,638	99,975	....	62·67
1877	855	28,955	3,308	80,306	316	6,603	6,556	126,899	.....	52·61
1878	1,394	24,171	1,383	50,381	.....	10,598	5,222	93,149	.....	65·21
1879	734	25,740	9,268	71,693	....	16,623	3,110	127,168	.....	52·51
1880	951	17,466	15,656	82,743	.....	12,598	5,996	135,410	.....	49·43
1881	758	25,352	8,064	62,793	206	14,444	4,027	115,638	.....	56·82
1882	813	20,274	4,401	70,862	416	22,265	7,773	126,804	.....	52·65
1883	432	22,634	535	32,557	.....	14,384	1,967	72,507	.....	73·00
1884	404	5,932	413	48,391	.....	12,173	2,819	70,132	.....	73·43
1885	519	6,484	22	45,264	.....	4,613	2,945	59,847	....	77·62
1886	737	9,579	154	42,261	.....	1,671	4,814	59,216	. ..	77·88
1887	790	675	2	44,580	.. ...	716	1,370	48,133	.....	82·02
1888	384	2,206	168	6,237	.....	.....	2,196	11,191	.....	95·82
1889	473	8,002	8,950	40,096	16	1,405	1,003	59,945	.....	77·61
1890	545	10,378	10,408	26,639	8	4,635	2,356	54,969	.....	79·47
1891	292	4,298	1,652	27,418	.....	2,130	3,620	39,410	....	85·28
1892	273	4,806	5,657	5,283	.. ..	199	2,340	18,558	....	93·07
1893	119	2,030	3,968	8,476	.....	237	2,784	17,620	...	93·43
1894	8	10,293	10,514	17,160	....	.....	2,609	40,584	.....	84·84
1895	66	3,073	7,352	1,900	1,816	.....	258	14,465	...	94·23
1896	.....	1,825	7,778	7,552	.....	.....	2,468	19,623	..	93·01
1897	.....	6,588	5,550	7,349	498	219	245	20,449	.....	92·37
1898	160	2,111	5,886	1,450	16	.....	784	10,407	....	96·12
1899	216	3,106	4,478	2,400	.....	.....	2,346	12,546	. ..	94·61
1900	214	485	1,404	2,400	... .	... .	403	4,906	... ..	98·54
1901	245	526	..... .	5,375	.....	.....	120	6,266	.....	97 67
1902	159	.....	.....	3,678	3	.....	632	4,472	.....	98·34
1903		.....	.... .	8,239	... ..	....	570	8,809	...	96·71

*Apples, meal, all kinds, potatoes.

F.—TABLE showing the Total Way and Through Tonnage of the undermentioned Articles cleared downward on the Welland Canal during a series of thirty-three years, ended December 31, 1903.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles. †	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869*	44,110	310,090	119,541	3,920	.....	680	1,541	479,882
1872	26,648	231,056	254,534	693	7,594	64	2,300	524,889
1873	30,660	345,720	180,042	643	1,188	3	3,557	563,813
1874	24,017	406,157	181,128	377	5,953	.....	3,301	620,933
1875	13,930	248,555	103,477	813	3,383	500	4,304	374,962
1876	15,735	194,559	144,501	1,110	24,496	1,454	2,949	384,807
1877	13,588	248,894	169,185	10,216	2,810	2,405	1,833	448,931
1878	8,854	188,106	185,931	1,217	3,088	.....	2,100	389,296
1879	10,588	271,545	114,276	803	1,196	.....	2,387	430,795
1880	12,467	240,601	162,891	.....	477	.....	1,418	417,853
1881	9,655	121,393	103,075	252	.....	6	1,371	235,752
1882	12,205	205,876	54,797	537	.....	1,954	225	275,594
1883	13,256	146,741	182,143	975	731	518	10,971	355,335
1884	13,626	135,804	118,811	270	10,746	477	9,018	288,752
1885	13,322	114,090	117,536	618	1,116	.....	1,628	248,310
1886	19,418	146,151	218,897	.....	4,891	.....	14,581	403,928
1887	23,940	210,755	114,938	1,711	12,050	.....	12,149	375,543
1888	16,973	150,833	194,886	555	26,629	811	13,358	404,045
1889	7,922	120,498	353,595	197	28,356	1,918	18,273	530,759
1890	14,461	114,924	327,394	6,519	27,728	1,121	20,836	512,983
1891	13,517	196,326	185,177	8,113	52,959	65,071	27,895	549,058
1892	17,046	229,569	192,548	6,433	37,173	9,392	32,548	524,709
1893	15,232	257,203	441,092	18,461	31,283	3,671	36,981	803,923
1894	33,628	270,514	169,233	28,353	27,962	.....	60,587	590,277
1895	43,895	202,636	164,894	8,689	18,236	.....	46,435	484,785
1896	42,159	319,388	320,444	11,368	28,178	8,970	54,031	784,538
1897	9,025	322,993	390,615	14,173	25,127	8,483	44,651	815,067
1898	5,578	206,313	437,849	12,286	17,491	16,127	23,170	718,814
1899	11,625	197,732	204,004	2,424	23,541	923	18,440	458,689
1900	10,968	137,800	163,509	3,449	40,256	3,538	14,802	374,322
1901	18,937	151,325	67,756	7,119	28,281	2,961	14,021	290,400
1902	22,282	223,499	67,647	7,418	11,223	4,079	12,912	349,060
1903	25,997	257,370	210,758	14,656	7,911	4,904	13,982	535,578

*Fiscal. † Apples, meal, all kinds, pease, potatoes.

G.—TABLE showing the Tonnage of the undermentioned Articles passed through the Welland Canal in transit between Ports in the United States during a series of thirty-three years, ended December 31, 1903.

Years.	Vegetable Food.								Heavy Goods.					
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	*Other Articles.	Total.	Railway Iron.	Other Iron.	Salt.	Coal.	Ores.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869	30,681	211,085	91,149	2,942	.....	667	1,006	337,530	68,064	14,334	89,086	28,566	35,912	235,962
1872	10,482	124,695	89,761	1,391	7,400	.....	608	234,337	24,040	13,239	49,843	95,741	59,401	242,264
1873	10,805	127,727	101.329	1,920	1,188	3	392	243,366	4,659	13,826	40,507	170,242	62,942	292,176
1874	8.230	229,053	125,627	.....	5,948	.....	5,368	374,226	5,742	8,941	22,888	203,673	19,651	260,895
1875	1,881	113.832	54,188	2,641	2,946	500	1,920	177,908	14	4,123	12,931	192,767	34,616	244,451
1876	5,187	96,247	58,138	.....	1,905	525	403	162,405	.....	5,531	29,395	167,110	25,808	227,844
1877	3,342	107,396	65,260	1,603	2,314	258	413	180,586	8,976	8,688	8,336	172,868	41,107	239,975
1878	1,316	65,542	60,026	859	277	.....	341	128,361	.....	10,713	3,892	150,583	13,535	178,723
1879	159	53,791	33,401	.....	464	.....	11	87,826	2,405	3,648	6,318	118,573	17,797	148,741
1880	.....	30,611	16,122	1,551	296	.....	.....	48,580	4,743	3,515	371	65,945	18,380	92,954
1881	.....	34,320	30,031	924	.....	.....	10	65,285	1,313	5,570	.....	83,858	6,464	97,205
1882	107	30,227	32,433	537	.....	684	14	64,002	.....	4,076	.....	158,552	14,533	177,161
1883	2,041	54,382	66,128	735	731	.....	8,579	132,496	1,209	6,901	8	196,462	24,891	229,471
1884	1,715	40,956	53,707	.....	9,874	.....	8,170	114,422	698	599	.....	210,790	15,100	227,187
1885	124	53,235	63,229	732	882	.....	1	118,203	.....	1,594	.....	198,416	15,029	215,039
1886	7,591	53,258	94,048	.....	4,790	.....	13,201	172,888	156	5,328	1	189,964	11,364	206,813
1887	11,780	37,678	83,431	1,732	12,050	.....	10,859	157,530	15	4,406	.....	82,780	627	87,828
1888	8,563	39,999	102,974	2	26,510	179	11,598	189,825	63	1,601	56	173,259	2,309	177,288
1889	5,017	39,229	147,045	.....	27,492	.....	17,225	236,208	.....	1,587	896	227,476	1,204	231,163
1890	9,204	31,527	180,842	6,519	27,030	.....	20,497	275,619	.....	504	208	162,231	1,620	164,563
1891	6,802	32,097	127,494	8,113	52,823	.....	26,115	253,444	.....	292	705	186,572	1,773	189,342
1892	11,018	26,950	131,222	6,433	36,935	.....	31,992	244,550	.....	576	2	183,895	.....	184,473
1893	6,588	28,187	198,777	16,751	23,870	864	36,352	311,389	.....	344	.....	206,827	.....	207,171
1894	17,795	53,846	105,329	28,095	27,621	.....	60,462	198,358	.....	297	.....	188,521	.....	188,818
1895	10,169	27,881	100,512	7,904	17,020	.....	46,316	209,802	181	246	.....	149,490	.....	149,917
1896	16,224	34,878	175,094	11,128	16,137	490	46,456	300,407	.....	146	.....	207,348	.....	207,494
1897	7,237	28,919	169,057	14,173	14,969	.....	41,887	276,242	965	15	.....	165,143	.....	166,123
1898	4,212	11,268	150,667	6,909	12,732	1,197	22,671	209,656	770	339	4	156,814	.....	157,927
1899	6,118	12,926	81,777	2,424	19,526	923	18,198	141,892	351	1,646	553	88,931	.....	91,481
1900	7,966	18,771	60,545	2,402	39,706	2,149	14,248	145,787	.....	953	.....	46,024	.....	46,977
1901	17,165	23,557	55,531	7,119	26,344	.....	14,016	143,732	83	80	105	46,702	.....	46,970
1902	13,785	32,639	66,111	7,418	10,006	.....	12,675	142,634	.....	214	.....	12,911	.....	13,125
1903	6,082	15,439	108,917	11,433	6,112	4,174	13,568	165,725	459	.....	.....	113,072	.....	113,535

* Apples, meal, all kinds, pease, potatoes.

H.—TABLE showing the Tonnage of Vegetable Food carried on each of the Lines of Canals and the two principal Railways, competing for the Carrying Trade between Lake Erie and Tidewater, for a series of thirty-three years, ended December 31, 1903.

Year.	Total on New York Canals.	Total on Welland Canal.	Total on New York Central and Erie Railways.	Quantity cleared at Buffalo and Tonawanda by Erie Canal.	Quantity cleared at Oswego by Canal.	Quantity cleared through the Welland Canal in transit between ports in the United States.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869*	1,302,613	503,860	1,087,809	786,436	267,815	337,530
1872	1,674,320	538,147	1,870,614	1,317,276	169,818	234,337
1873	1,745,171	579,880	2,036,992	1,432,174	131,765	243,366
1874	1,767,598	647,397	2,791,517	1,557,509	243,325	374,226
1875	1,305,550	417,936	2,343,241	1,017,559	126,763	177,908
1876	1,064,293	409,788	2,875,803	783,331	99,975	162,405
1877	1,498,984	464,181	2,493,683	1,223,100	126,899	180,586
1878	1,912,734	403,403	3,695,764	1,644,301	93,149	128,361
1879	1,833,399	438,564	4,353,617	1,565,543	127,168	87,826
1880	2,371,090	442,182	4,732,385	2,065,184	135,410	48,580
1881	1,116,561	269,395	4,983,722	878,842	115,638	65,285
1882	1,118,776	306,482	3,885,557	864,826	126,804	64,002
1883	1,379,000	372,236	4,422,461	1,191,974	72,507	132,496
1884	1,236,986	305,734	3,639,805	1,078,909	70,132	114,422
1885	1,063,310	273,905	4,105,594	918,352	59,847	118,203
1886	1,489,886	414,812	3,802,262	1,353,591	59,216	172,888
1887	1,552,764	394,971	3,847,766	1,449,984	48,133	157,530
1888	1,166,958	419,786	3,197,734	1,052,834	11,191	189,825
1889	1,296,896	542,043	3,654,984	1,155,175	59,945	236,208
1890	1,167,901	519,291	4,336,199	953,397	54,969	275,619
1891	1,092,355	367,177	3,565,381	1,000,171	39,410	253,444
1892	937,999	527,426	5,913,013	870,570	18,558	244,550
1893	1,452,563	805,253	5,107,426	1,395,391	17,620	311,389
1894	1,400,129	591,409	4,281,056	1,331,101	40,584	293,148
1895	602,505	486,421	3,798,574	508,596	14,465	209,802
1896	957,182	788,974	5,183,540	877,144	19,623	300,407
1897	744,575	816,914	5,673,638	688,635	20,449	276,242
1898	653,027	720,183	7,060,542	607,557	10,407	209,656
1899	577,486	459,688	6,211,827	527,868	12,546	141,892
1900	472,857	375,720	6,053,005	438,434	4,906	145,787
1901	557,099	290,909	6,334,001	473,729	6,266	143,732
1902	489,053	350,792	6,532,263	436,943	4,472	142,634
1903	512,601	537,252	5,548,603	445,518	8,809	165,725

* Fiscal.

I.—STATEMENT showing the Quantity of Through Freight passed Down the Welland Canal in Canadian and United States Vessels entering the Canal at Port Colborne, during the Season of Navigation in 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902 and 1903.

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	239	100,324	186	73,140	245	248,837	134	52,087	804	474,388
1892.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	74,578		54,764		60,364		36,898		226,604	
Corn	17,477		7,369		146,080		21,631		192,548	
Barley					3,995		2,438		6,433	
Oats					36,935				36,935	
Pease	524								524	
Rye	5,066				3,718		608		9,392	
Coal	775		13,350				1,365		15,490	
Miscellaneous merchandise	2,139		2,786		44,117				49,042	
Shingles, woodenware, &c	1				45		9		55	
Sawed lumber Ft. B.M.	6,278,253		7,504,256		10,494,692		26,832,564		51,109,765	
Square timber Cub. ft.	754,213		1,421,260		2,601		1,310		2,179,384	
Staves No.	46,800		32,838						79,638	
Firewood Cords.										
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage	No.	Tonnage.	No.	Tonnage.
	193	100,107	143	58,652	390	375,682	236	122,326	962	656,767
1893.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	83,447		31,185		72,671		68,628		255,931	
Corn	23,817		12,946		313,246		91,083		441,092	
Barley	1,527		183		16,189		562		18,461	
Oats	223				27,903		3,038		31,164	
Pease										
Rye					3,216		455		3,671	
Coal	638		13,580				5,849		20,067	
Miscellaneous merchandise	6,179		286		44,976		1,647		53,088	
Shingles, woodenware, &c			15		22				37	
Sawed lumber Ft. B.M.	13,750,267		2,748,941		17,359,573		41,863,852		75,722,633	
Square timber Cub. ft.	836,048		1,437,893		5,133				2,279,074	
Staves No.			18,484						18,484	
Firewood Cords.										
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	199	104,649	112	57,668	287	279,621	144	63,770	742	505,708
1894.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	98,586		54,444		79,715		37,095		268,840	
Corn	10,368		5,614		122,211		31,040		169,233	
Barley	258				28,095				28,353	
Oats	175		107		27,621				27,903	
Pease										
Rye										
Coal	1,483		1,892		61		11,109		14,545	
Miscellaneous merchandise	16,949		664		83,198		1,977		102,788	
Shingles, woodenware, &c	22								22	
Sawed lumber Ft. B.M.	8,423,295		279,830		11,719,664		31,891,456		52,313,745	
Square timber Cub. ft.	771,328		1,578,981						2,350,309	
Staves No.										
Firewood Cords.										

I.—STATEMENT showing the Quantity of Through Freight passed DOWN the Welland Canal in Canadian and United States Vessels, &c.—*Continued.*

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage
	209	108,776	151	73,895	205	223,743	101	41,327	666	447,741
1895.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		72,895		68,935		29,345		30,723		201,898
Corn		16,854		3,724		126,943		17,369		164,890
Barley		798		162		7,729				8,689
Oats		1,531		246		16,442				18,219
Pease										
Rye										
Coal		2		3,984				4,426		8,412
Miscellaneous merchandise		37,356		2,361		67,705		1,324		108,746
Shingles, woodenware, &c		20				863		1,079		1,962
Sawed lumber Ft. B.M.		1,057,146		248,071		9,385,890		14,929,734		25,620,841
Square timber Cub. ft.		1,027,913		2,049,368				35,000		3,112,281
Staves No.										
Firewood Cords.										
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	224	122,521	181	82,543	343	337,983	163	96,506	911	639,553
1896.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		113,331		90,979		78,741		34,476		317,527
Corn		9,360		3,855		218,315		88,914		320,440
Barley		240				11,128				11,368
Oats		441		1,270		24,847		1,620		28,178
Pease		1,403		1,354				273		3,030
Rye		5,035		644		2,837		454		8,970
Coal		7		11,106		1,255		629		11,997
Miscellaneous merchandise		29,820		1,452		82,319		4,374		117,965
Shingles, woodenware, &c		134				22				156
Sawed lumber Ft. B.M.		2,123,213				18,259,810		27,796,146		48,179,169
Square timber Cub. ft.		942,923		1,649,145				246,024		2,838,092
Staves No.										
Firewood Cords.								55		55
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	225	131,907	163	76,760	388	382,231	144	86,675	920	677,573
1897.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		121,762		55,724		106,064		37,891		321,441
Corn		33,694		15,244		274,855		66,822		390,615
Barley						14,173				14,173
Oats		223				23,515		1,168		24,906
Pease		1,851								1,851
Rye		2,047		919		5,517				8,483
Coal		3,873		3,947		368		1,615		9,803
Miscellaneous merchandise		15,739		3,290		70,968		4,174		94,071
Shingles, woodenware, &c		1,268		5		404				1,677
Sawed lumber Ft. B.M.		1,573,447				20,284,446		20,673,202		42,531,095
Square timber Cub. ft.		1,327,823		2,217,629				616,093		4,161,545
Staves No.		2,577,160								2,577,160
Firewood Cords.		4								4

I.—STATEMENT showing the Quantity of Through Freight passed DOWN the Welland Canal in Canadian and United States Vessels, &c.—*Continued.*

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	126,398	104	59,532	354	355,702	195	108,720	869	650,352
1898.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	95,567		36,157		54,934		18,355		205,013	
Corn	56,538		30,455		284,059		66,761		437,813	
Barley	.....		.....		9,465		2,821		12,286	
Oats	.....		.....		17,329		.....		17,329	
Pease	260		.....		45		.....		305	
Rye	3,564		1,480		9,135		1,948		16,127	
Coal	575		1,916		759		2,620		5,870	
Miscellaneous merchandise	19,385		4,104		47,271		8,758		79,518	
Shingles, woodenware, &c	2		9		.....		.....		11	
Sawed lumber.....Ft. B.M.	4,910,669		1,641,783		16,220,972		24,484,283		47,257,707	
Square timber.....Cub. ft.	825,545		1,183,821		.....		388,410		2,397,776	
Firewood.....Cords.	249		.....		.....		.....		249	
Staves.....No.	.....		.....		.....		.....		.....	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	191	100,242	129	75,777	201	212,027	78	36,962	599	425,008
1899.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	91,901		80,928		16,250		7,244		196,323	
Corn	28,015		18,905		138,834		18,250		204,004	
Barley	.....		.....		2,424		.....		2,424	
Oats	1,557		.....		21,646		.....		23,203	
Pease	.....		.....		.....		.....		.....	
Rye	.....		.....		923		.....		923	
Coal	435		6,736		.....		3,398		10,569	
Miscellaneous merchandise	25,203		18,651		49,522		1,567		94,943	
Shingles, woodenware, &c	485		916		.....		100		1,501	
Sawed lumber.....Ft. B.M.	2,077,748		772,739		14,855,338		19,949,079		37,654,904	
Square timber.....Cub. ft.	322,138		585,780		20,802		328,806		1,257,526	
Firewood.....Cords	.....		9		.....		.....		9	
Staves.....No.	.....		.....		.....		.....		.....	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	114,885	109	67,475	168	182,444	71	30,309	564	395,113
1900.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat	67,694		43,157		23,066		2,130		136,047	
Corn	39,597		31,248		78,701		13,963		163,509	
Barley	.....		.....		2,402		1,047		3,449	
Oats	.....		.....		39,706		407		40,113	
Pease	115		.....		4		.....		119	
Rye	1,389		.....		2,149		.....		3,538	
Coal	723		637		433		559		2,352	
Miscellaneous merchandise	53,649		31,536		43,344		3,564		132,093	
Shingles, woodenware, &c	1,078		.....		.....		.....		1,078	
Sawed lumber .... Ft. B.M.	6,847,279		5,344,258		14,984,483		18,770,405		45,946,425	
Square timber..... Cub. ft.	439,827		355,951		11,583		198,420		1,005,781	
Firewood.....Cords.	126		255		.....		.....		381	
Staves..... No.	1,000		.....		.....		.....		1,000	

I.—STATEMENT showing the Quantity of Through Freight passed DOWN the Welland Canal in Canadian and United States Vessels, &c.—*Concluded.*

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	197	103,802	114	59,022	163	182,497	48	22,319	522	367,640
1901.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		57,641		58,973		31,955		1,241		149,810
Corn		7,350		4,689		55,717				67,756
Barley						7,119				7,119
Oats		944				27,197				28,141
Pease										
Rye		2,961								2,961
Coal		1,960		362		357				2,679
Miscellaneous merchandise		71,300		32,312		12,874		7,469		123,955
Shingles, woodenware, &c		18								18
Sawed lumber Ft. B.M.		6,533,423		4,060,251		11,089,806		13,092,940		34,776,420
Square timber Cub. ft.		362,441		204,682		9,384		149,531		726,038
Firewood Cords.		165		264						429
Staves No.										
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	196	90,791	122	73,958	191	201,339	52	22,097	561	388,185
1902.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		82,954		85,973		52,889				221,816
Corn		148		1,388		66,111				67,647
Barley						7,418				7,418
Oats		1,200		43		9,963				11,206
Pease										
Rye		3,808				271				4,079
Coal		3,977		25,732		13,497		8,332		51,538
Merchandise		33,111		8,723		38,351		1,594		81,779
Shingles, woodenware, &c		47		28		4				79
Sawed lumber Ft. B.M.		13,218,960		3,256,187		25,437,287		19,540,426		61,452,860
Square timber Cub ft.		370,718		557,689				115,000		1,043,407
Firewood Cords		56		40						96
Staves No.				14,000						14,000
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	239	151,850	76	45,918	243	252,094	69	27,854	627	477,716
1903.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat		149,378		38,473		60,514		6,305		254,670
Corn		21,356		4,682		174,588		10,132		210,758
Barley		2,580		667		11,409				14,656
Oats		306		1,335		6,112				7,753
Pease		63				22				85
Rye						4,904				4,904
Coal		389		12,991		8,133		8,496		30,009
Merchandise		39,563		3,367		41,584		2,000		86,514
Shingles, woodenware, &c				54						54
Sawed lumber Ft. B.M.		12,841,552		1,625,855		17,871,652		14,733,677		47,072,736
Square timber Cub. ft.		572,000		660,000				84,200		1,316,200
Firewood Cords.				210		9				219
Staves No.				641,000						641,000

WELLAND CANAL THROUGH FREIGHT—RECAPITULATION.

Welland Canal—West-bound Freight.

The total quantity of Through Freight passed Up the Welland Canal in Canadian and United States Vessels, during the season of navigation in 1903, is as follows:

Summary.	Tons.	Tons.
In Canadian steam vessels	60,642	
" sail "	14,663	
Total quantity in Canadian vessels		75,305
In United States steam vessels	164,564	
" sail "	23,343	
Total in United States vessels		187,907
Grand total freight passed up the Welland Canal in Canadian and United States vessels		263,212

STATEMENT of the Quantity of Through Freight passed Up and Down, on the Welland Canal during the season of navigation in 1903.

Summary.	Tons.	Tons.
In Canadian steam vessels up	60,642	
" " down	246,485	
Total in Canadian steam vessels		307,127
In Canadian sail vessels up	14,663	
" " down	77,691	
Total, in Canadian sail vessels		92,354
Total, quantity in Canadian vessels		399,481
In United States steam vessels up	164,564	
" " down	337,071	
Total in United States steam vessels		501,635
In United States sail vessels up	23,343	
" " down	54,348	
Total in United States sail vessels		77,691
Total quantity in United States vessels		579,326
Total in Canadian and United States vessels		978,807
	Down or East bound.	Up or West bound
In Canadian vessels	324,176	75,305
In United States vessels	391,419	187,907
Total	715,595	263,212

J.—STATEMENT of Large Class of Vessels Lightened at the Welland Railway Elevator at Port Colborne, showing the Tonnage, Dimensions, Depth of Water, Number of Cargoes passed through the enlarged Welland Canal during the Season of Navigation in 1903.

CANADIAN STEAM VESSELS.

Date of Arrival (1903)	Name of Vessels	Registered Tonnage (Tons)	Dimensions: Length over all (Feet)	Dimensions: Width of Beam (Ft. in.)	Dimensions: Depth of Hold (Ft. in.)	Depth of Water on Arrival: Forward (Ft. in.)	Depth of Water on Arrival: Aft (Ft. in.)	Original Cargo to the Welland Canal: Wheat (Bush.)	Wheat (Tons)	Corn (Bush.)	Corn (Tons)	Barley (Bush.)	Barley (Tons)	Rye (Bush.)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Lighterage over Welland Railway: Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Lighterage over Welland Railway in Tons: Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Grain Cargo and Rolling Freight through Welland Canal: Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Total Cargo through Canal (Tons)	Depth Water Midship through Canal (Ft. in.)	Destination: From	Destination: To	Cost of Lighterage per bushel ($ c.)
April 29	Rosemount	989	253	41·	24·3	15·7	16·1	79,000	2,371									14,963				449						64,037				1,922						1,922	14·	Fort William	Kingston	0 02
May 16	Advance	359	178	35·	14·6	14·	15·	40,782	1,224									5,151				155						35,631				1,069						1,069	13·5	Port Arthur	Montreal	0 02
" 18	Myles	742	179	33·6	15·	13·	15·	16,571	498			27,460	660					2,232				67						14,339		27,460		431		660				1,091	13·7	Fort William	Kingston	0 02
" 20	Rosemount	989	253	41·	24·3	15·10	15·7	77,987	2,341									15,402				463						62,585				1,878						1,878	14·	"	"	0 02
" 27	Donnacona	1,222	245	42·	24·5	16·5	16·6	92,000	2,761									22,992				690						69,008				2,071						2,071	14·	"	"	0 02
June 9	"	1,222	245	42·	24·5	16·7	16·7	92,000	2,761									23,014				691						68,986				2,070						2,070	14·	"	"	0 02
" 11	Rosedale	997	254	35·	22·6	16·6	16·6	80,000	2,401									19,593				588						60,407				1,813						1,813	13·	"	"	0 02
" 15	Advance	359	178	35·	14·6	15·3	15·6	45,000	1,351									10,316				310						34,684				1,041						1,041	13·6	"	"	0 02
" 16	Rosemount	989	253	41·	24·3	15·10	16·3	72,170	2,167			9,771	235					18,200				547						53,970		9,771		1,620		235				1,855	14·	"	"	0 02
" 16	Algonquin	1,172	245	40·	20·6	16·6	16·10	92,000	2,761									24,159				725						67,841				2,036						2,036	14·	"	"	0 02
" 29	Donnacona	1,222	245	42·	24·5	16·6	17·	92,705	2,782									24,530				736						68,175				2,046						2,046	14·	"	"	0 02
July 9	Rosemount	989	253	41·	24·3	15·9	15·6	61,051	1,832			18,845	454					11,327		3,464		340		84				49,724		15,381		1,492		370				1,862	14·	"	"	0 02
Nov. 3	Westmount	1,172	255	42·	23·	16·6	16·6	90,000	2,701									22,537				677						67,463				2,024						2,024	14·	"	"	0 02
" 11	Fairmount	1,184	255	42·	23·	16·	16·	86,000	2,581									20,636				620						65,364				1,961						1,961	13·10	"	"	0 02
Dec. 5	Rosemount	989	253	41·	24·3	16·	16·	77,027	2,312									15,056				452						61,971				1,860						1,860	14·	"	"	0 02
								1,094,293	32,844			56,076	1,349					250,108		3,464		7,510		84				844,185		52,612		25,334		1,265				26,599				

BRITISH STEAM VESSELS.

Date of Arrival (1903)	Name of Vessels	Registered Tonnage (Tons)	Length over all (Feet)	Width of Beam (Ft. in.)	Depth of Hold (Ft. in.)	Forward (Ft. in.)	Aft (Ft. in.)	Orig. Wheat (Bush.)	Wheat (Tons)	Corn (Bush.)	Corn (Tons)	Barley (Bush.)	Barley (Tons)	Rye (Bush.)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Lighterage Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Lighterage Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Through Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Total Cargo through Canal (Tons)	Depth Water Midship (Ft. in.)	From	To	Cost ($ c.)
May 5	Turret Cape	1,142	253	44·	21·9	17 5	17·3	100,836	3,026									36,546				1,097						64,290				1,929						1,929	13·6	Fort William	Kingston	0 02
" 18	" Chief	1,197	253	44·	19·7	17·	17·2	98,852	2,967									29,501				886						69,351				2,081						2,081	14·	"	"	0 02
" 19	" Crown	1,142	253	44·	19·7	16·9	17·	98,667	2,961									28,053				842						70,614				2,119						2,119	14·	"	"	0 02
June 1	" Court	1,197	258	44·	21·9	16·9	16·7	96,000	2,881									26,804				805						69,196				2,076						2,076	14·	"	"	0 02
" 7	" Cape	1,142	253	44·	21·9	16·8	16·7	96,293	2,890									29,326				880						66,967				2,010						2,010	13·10	"	"	0 02
" 10	" Crown	1,142	253	44·	19·7	17·1	16·6	98,450	2,954									28,231				847						70,219				2,107						2,107	13·11	"	"	0 02
July 8	" Cape	1,142	253	44·	21·9	16·6	16·9	95,000	2,851									26,059				782						68,941				2,069						2,069	13·11	"	"	0 02
Oct. 12	" Cape	1,142	253	44·	21·9	16·2	16·4	93,000	2,791									21,928				658						71,072				2,133						2,133	14·	"	"	0 02
" 26	" Court	1,197	253	44·	21·9	16·	16·	89,658	2,691									19,879				597						69,779				2,094						2,094	14·	"	"	0 02
" 27	" Chief	1,197	253	44·	19·7	16·6	16·6	92,000	2,761									25,295				759						66,705				2,002						2,002	14·	Duluth	"	0 02
								958,756	28,773									271,622				8,153						687,134				20,620						20,620				

UNITED STATES STEAM VESSELS.

Date of Arrival (1903)	Name of Vessels	Registered Tonnage (Tons)	Length over all (Feet)	Width of Beam (Ft. in.)	Depth of Hold (Ft. in.)	Forward (Ft. in.)	Aft (Ft. in.)	Orig. Wheat (Bush.)	Wheat (Tons)	Corn (Bush.)	Corn (Tons)	Barley (Bush.)	Barley (Tons)	Rye (Bush.)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Lighterage Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Lighterage Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Through Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Total Cargo through Canal (Tons)	Depth Water Midship (Ft. in.)	From	To	Cost ($ c.)
April 20	W. J. Averill	1,425	265	36·7	25·5	15·	15·			60,000	1,681						123		8,561				240						51,439				1,441				123	1,564	14·	Chicago	Ogdensburg	0 02
	Gov. Smith	1,547	240	42·	23·4	14 7	15·			45,000	1,261						664		8,472				238						36,528				1,023				664	1,687	14·	"	"	0 02
" 21	H. R. James	1,553	240	42·	23·9	15·1	15·6			30,000	841						1,233		11,237				315						18,763				526				1,233	1,759	14·	"	"	0 02
" 23	J. R. Langdon	1,550	240	42·	23·4	14·4	15·7			60,000	1,681						274		12,095				339						47,905				1,342				274	1,616	13·9	"	"	0 02
" 29	W. A. Haskell	1,441	265	37·	25·6	14·9	15·6			45,000	1,261						585		9,337				262						35,663				999				585	1,584	14·	"	"	0 02
" 29	F. H. Prince	1,548	240	42·	23·4	15·	15·3			62,465	1,750						287		11,128				312						51,337				1,438				287	1,725	14·	"	"	0 02
May 5	Brittanic	904	219	36·	17·	15·2	15·3	56,000	1,681									11,255				338						44,745				1,343						1,343	14·	"	Kingston	0 02
" 6	Nicaragua	911	241	37·	13·7	16·8	16·1	83,846	2,516									21,319				610						62,527				1,876						1,876	14·	West Superior	"	0 02
" 7	B. Whittaker	1,388	220	37·	23·4	15·8	15·10	60,535	1,817									13,804				417						46,641				1,400						1,400	14·	Chicago	"	0 02
" 7	A. McVittie	1,553	240	42·	23·4	14·6	15·3			32,500	911					771	220		7,737				217						24,763				694			771	220	1,685	14·	"	Ogdensburg	0 02
" 9	W. J. Averill	1,425	265	36·7	25·5	14·10	14·6							25,700	721	678	275				3,724				105	47					21,976				616	631	275	1,522	13·11	"	"	0 02
" 10	Cartagena	1,418	258	41·	23·	16·11	16·3	85,000	2,551									24,762				743						60,238				1,808						1,808	13·11	Duluth	Kingston	0 02
" 12	J. R. Langdon	1,550	240	42·	23·4	13·10	15·3			66,700	1,869						16		9,688				272						57,012				1,597				16	1,613	13·8	Chicago	Ogdensburg	0 02
" 13	Gov. Smith	1,547	240	42·	23·4	14 8	15·3			45,618	1,279					640			9,041				254						36,577				1,025			640		1,665	14·	"	"	0 02
" 15	H. R. James	1,553	240	42·	23·4	14·3	15·5			60,000	1,681						160		6,042				170						53,958				1,511				160	1,671	14·	"	"	0 02
" 20	F. H. Prince	1,548	240	42·	23·4	14·	15·3			66,850	1,873						9		7,155				201						59,695				1,672				9	1,681	14·	"	"	0 02
" 20	W. A. Haskell	1,441	265	37·	25·6	15·2	15·2			57,000	1,597						194		8,246				231						48,754				1,366				194	1,560	14·	"	"	0 02
" 23	Merrimac	1,202	235	37·2	18·7	15·4	15·8	56,596	1,699									13,006				391						43,590				1,308						1,308	14·	"	Kingston	0 02
	Brittanic	904	219	36·	17·	15·6	15·			60,369	1,691								10,247				287						50,122				1,404					1,404	14·	"	"	0 02
" 26	A. McVittie	1,553	240	42·	23·4	15·6	16·7			67,200	1,883						270		18,223				511						48,977				1,372				270	1,642	14·	"	Ogdensburg	0 02
" 29	W. J. Averill	1,425	265	36·7	25·5	15·2	14·9			62,487	1,751								8,002				225						54,485				1,526					1,526	14·	"	"	0 02
" 30	J. R. Langdon	1,550	240	42·	23·4	14·11	15·11			68,623	1,923						141		15,510				435						53,113				1,488				141	1,629	13·9	"	"	0 02
June 3	H. R. James	1,553	240	42·	23·4	14·8	15·5	15,000	450	40,600	1,138						234		5,385				151					15,000	35,215			450	987				234	1,671	14·	"	"	0 02
" 7	P. J. Ralph	659	211	37·	14·	14 8	14·2	51,100	1,534									2,293				69						48,807				1,465						1,465	13·11	"	Kingston	0 02
	F. H. Prince	1,548	240	42·	23·4	14·2	15·9			51,420	1,441			17,342	486		22		9,334				262						42,086		17,342		1,179		486		22	1,687	14·	"	Ogdensburg	0 02
" 8	Gov. Smith	1,547	240	42·	23·4	14·9	15·7			60,000	1,681						308		11,071				310						48,929				1,371				308	1,679	14·	"	"	0 02
	B. Whittaker	1,388	220	37·	23·4	16·7	16·5			71,590	2,003								22,529				631						48,971				1,372					1,372	14·	"	Kingston	0 02
" 13	A. McVittie	1,553	240	42·	23·4	15·	16·			70,500	1,975						2		13,785				386						56,715				1,589				2	1,591	14·	"	Ogdensburg	0 02
" 14	Ionia	1,123	209	38·1	18·3	16·	16·9			71,045	1,990								19,850				556						51,195				1,434					1,434	14·	"	Kingston	0 02
" 16	W. J. Averill	1,425	265	36·7	25·5	15·4	15·1			64,731	1,813						15		11,638				326						53,093				1,487				15	1,502	13·11	"	Ogdensburg	0 02
" 17	W. A. Haskell	1,441	265	37·	25·6	15·1	15·8			55,000	1,541						326		10,947				307						44,053				1,234				326	1,560	14·	"	"	0 02
" 21	J. R. Langdon	1,550	240	42·	23·4	14·	16·			60,000	1,681						344		13,082				367						46,918				1,314				344	1,658	13·9	"	"	0 02
" 25	H. R. James	1,553	240	42·	23·4	14·1	15·9			50,000	1,401						502		6,859				193						43,141				1,208				502	1,710	14·	"	"	0 02
" 27	F. H. Prince	1,548	240	42·	23·4	14·	15·			33,100	928			30,000	841		79		1,981		3,300		56		93				31,119		26,700		872		748		79	1,699	14·	"	"	0 02
" 28	Gov. Smith	1,547	240	42·	23·4	14·8	15·8			60,000	1,681						296		11,699				328						48,301				1,353				296	1,649	14·	"	"	0 02
July 6	W. J. Averill	1,425	265	36·7	25·5	15·	14·9	15,000	451	40,210	1,127						187	3,118	4,432			94	125					11,882	35,778			357	1,002				187	1,546	14·	"	"	0 02
" 8	W. A. Haskell	1,441	265	37·	25·6	15·4	15·9			43,000	1,205			17,000	476		181		11,672				327						31,328		17,000		878		476		181	1,535	14·	"	"	0 02
" 1	A. McVittie	1,553	240	42·	23·4	14·9	16·			38,000	1,065			21,600	606		242		8,586		3,510		241		99				29,414		18,090		824		507		242	1,573	14	"	"	0 02
" 11	J. R. Langdon	1,550	240	42·	23·4	14·1	15·6	30,000	900	36,500	1,023						24		10,753				302					30,000	25,747			900	721				24	1,645	13·9	"	"	0 02
" 13	H. R. James	1,553	240	42·	23·4	14·6	15·2			51,400	1,440						427		6,952				195						44,448				1,245				427	1,672	14·	"	"	0 02
" 17	F. H. Prince	1,548	240	42·	23·4	15·1	15·1	30,000	901	25,000	701						412	5,994	4,471			180	126					24,006	20,529			721	575				412	1,708	14·	"	"	0 02
" 21	Gov. Smith	1,547	240	42·	23·4	15·3	15·6			56,997	1,597						388		12,905				362						44,092				1,235				388	1,623	14·	"	"	0 02
" 22	A. McVittie	1,553	240	42·	23·4	14 10	16·			70,000	1,961								12,695				356						57,305				1,605					1,605	14·	"	"	0 02
" 29	W. A. Haskell	1,441	265	37·	25·6	14·3	15·			25,929	727			25,603	718		246		1,071		3,223		30		91				24,858		22,370		697		627		246	1,570	14·	"	"	0 02
" 31	J. R. Langdon	1,550	240	42·	23·4	13·6	15·11	20,000	600	30,000	841						480		9,528				267					20,000	20,472			600	574				480	1,654	13·10	"	"	0 02
Aug. 5	H. R. James	1,553	240	42·	23·4	14·6	14·11			32,000	897						935		5,456				153						26,544				744				935	1,679	14·	"	"	0 02
" 6	F. H. Prince	1,548	240	42·	23·4	14·8	15·4			45,000	1,261					368	347		9,656				271						35,344				990			368	347	1,705	14·	"	"	0 02
" 8	Gov. Smith	1,547	240	42·	23 4	15·6	15·4			67,000	1,877						138		12,032				337						54,968				1,540				138	1,678	14·	"	"	0 02
" 13	A. McVittie	1,553	240	42·	23·4	15·6	16·4			66,100	1,852						258		15,777				442						50,323				1,410				258	1,668	14·	"	"	0 02
" 15	W. J. Averill	1,425	265	36·7	25·5	15·5	14·11			65,000	1,821								9,361				263						55,639				1,558					1,558	14·	"	"	0 02
" 21	J. R. Langdon	1,550	240	42·	23·4	14·3	15 3			67,500	1,891						43		10,116				284						57,384				1,607				43	1,650	14·	"	"	0 02
" 23	H. R. James	1,553	240	42·	23·4	14·3	15·	30,000	901	15,000	421					359	242	6,210	2,491			187	70					23,790	12,509			714	351			359	242	1,666	14·	"	"	0 02
" 25	F. H. Prince	1,548	240	42·	23·4	15·	15·			70,000	1,961								10,274				288						59,726				1,673					1,673	14·	"	"	0 02
" 28	Gov. Smith	1,547	240	42·	23·4	15·6	15·9			60,500	1,695						392		14,582				409						45,918				1,286				392	1,678	14·	"	"	0 02
Sept. 1	A. McVittie	1,553	240	42·	23·4	15·	15·11			69,200	1,938						74		12,595				353						56,605				1,585				74	1,659	14·	"	"	0 02
" 3	W. J. Averill	1,425	265	36·7	25·5	14·	15·3			57,500	1,611						87		4,365				123						53,135				1,488				87	1,575	14·	"	"	0 02
" 8	W. A. Haskell	1,441	265	37·	25·6	15·	15·5			61,700	1,728						83		9,023				253						52,677				1,475				83	1,558	14·	"	"	0 02
" 10	J. R. Langdon	1,550	240	42·	23·4	13·7	15·6			65,000	1,821						71		9,856				276						55,144				1,545				71	1,616	13 9	"	"	0 02
" 14	H. R. James	1,553	240	42·	23·4	14·10	15·6			60,000	1,681						314		10,992				308						49,008				1,373				314	1,687	14·	"	"	0 02
" 15	F. H. Prince	1,548	240	42·	23·4	14·10	15·1			63,000	1,765						178		9,026				253						53,974				1,512				178	1,690	14·	"	"	0 02
" 19	Gov. Smith	1,547	240	42·	23·4	14·8	15·7	16,000	481	49,000	1,373						96	5,631	4,487			169	126					10,369	44,513			312	1,247				96	1,655	14·	"	"	0 02
" 20	A. McVittie	1,553	240	42·	23·4	13·11	16·3			62,000	1,737						164		8,922				250						53,078				1,487				164	1,651	14·	"	"	0 02
" 24	W. J. Averill	1,425	265	36·7	25.5	15·6	15·4			60,000	1,681						176		11,018				309						48,982				1,372				176	1,548	14·	"	"	0 02
" 28	W. A. Haskell	1,441	265	37·	25·6	14·7	15·9			52,000	1,457						376		9,156				257						42,844				1,200				376	1,576	14·	"	"	0 02
Oct. 3	J. R. Langdon	1,550	240	42·	23·4	13·6	15·9	15,000	451	45,000	1,261						195	2,527	7,040			76	198					12,473	37,960			375	1,063				195	1,633	14·	"	"	0 02
" 8	H. R. James	1,553	240	42·	23·4	14·8	15·7			60,000	1,681						318		10,378				291						49,622				1,390				318	1,708	14·	"	"	0 02
" 9	Gov. Smith	1,547	240	42·	23·4	13·3	15·10			60,000	1,681						152		6,718				189						53,282				1,492				152	1,644	13·10	"	"	0 02
" 9	A. McVittie	1,553	240	42·	23 4	14·9	15·10			70,000	1,961								12,295				345						57,705				1,616					1,616	14·	"	"	0 02
" 13	Hiawatha	1,160	235	36·	20·	15·3	15·6	60,000	1,801									11,054				332						48,946				1,469						1,469	13·10	Duluth	"	0 02
	W. J. Averill	1,425	265	36·7	25·5	14·6	15·6			53,200	1,490						249		8,210				230						44,990				1,260				249	1,509	14·	Chicago	"	0 02
" 14	F. H. Prince	1,548	240	42·	23·4	15·2	13·9			34,100	956					634	229		5,364				151						28,736				805			634	229	1,668	14·	"	"	0 02
" 19	W. A. Haskell	1,441	265	37·	25·6	14·6	15·3			30,250	848	8,000	192			229	469		7,404				208						22,846	8,000			640	192		229	469	1,530	14·	"	"	0 02
" 26	J. R. Langdon	1,550	240	42·	23 4	15·9	15·10			63,000	1,765						271		14,952				419						48,048				1,346				271	1,617	14·	"	"	0 02
" 28	Gov. Smith	1,547	240	42·	23·4	15·7	14·8			66,000	1,849						120		10,189				286						55,811				1,563				120	1,683	14·	"	"	0 02
" 29	Merrimac	1,202	235	37·2	18·7	15·6	16·10	60,000	1,801									16,258				488						43,742				1,313						1,313	14·	Duluth	"	0 02
" 30	H. R. James	1,553	240	42·	23·4	15·7	14·6			45,000	1,261					320	384		9,130				256						35,870				1,005			320	384	1,709	14·	Chicago	"	0 02
" 31	A. McVittie	1,553	240	42·	23·4	16·	16·			70,250	1,968								12,861				361						57,389				1,607					1,607	14·	"	"	0 02
Nov. 3	W. J. Averill	1,425	265	36·7	25·5	15·	15·3			57,255	1,604						205		9,126				256						48,129				1,348				205	1,553	14·	"	"	0 02
" 5	F. H. Prince	1,548	240	42·	23·4	14·9	15·7			62,000	1,737						250		12,118				340						49,882				1,397				250	1,647	13·10	"	"	0 02
" 10	Hiawatha	1,160	235	36·	20·	14·7	16·	59,950	1,800									11,250				338						48,700				1,462						1,462	14·	Duluth	"	0 02
" 11	W. A. Haskell	1,441	240	37·	25·6	14·7	15·			40,000	1,121						635		9,063				254						30,937				867				635	1,502	13·11	Chicago	"	0 02
" 15	W. B. Morley	1,565	240	42·5	20·4	15·10	15·10			87,600	2,453								19,425				544						68,175				1,909					1,909	13·10	"	"	0 02
" 18	J. R. Langdon	1,550	240	42·	23·4	13·7	16·			55,000	1,541						418		11,793				331						43,207				1,210				418	1,628	14·	"	"	0 02
" 20	H. R. James	1,553	240	42·	23·4	14·7	15·7			55,000	1,541						414		9,723				273						45,277				1,268				414	1,682	14·	"	"	0 02
" 21	Gov. Smith	1,547	240	42·	23·4	14·7	15·5			55,000	1,541						417		11,181				314						43,819				1,227				417	1,644	13·10	"	"	0 02
" 22	A. McVittie	1,553	240	42·	23·4	15·	15·11			55,000	1,541						518		14,280				400						40,720				1,141				518	1,659	14	"	"	0 02
" 23	Ionia	1,123	209	38·1	18·3	16·9	16·8			74,000	2,073								20,569				576						53,431				1,497					1,497	14·	"	"	0 02
" 25	D. C. Whitney	1,013	229	40·	14·7	15 11	15·11			71,200	1,995								16,185				454						55,015				1,541					1,541	14·	"	"	0 02
" 26	W. J. Averill	1,425	265	36·7	25·5	15·9	15 6			30,000	841						930		8,778				246						21,222				595				930	1,525	14·	"	"	0 02
" 27	B. Whittaker	1,388	220	37·	23 4	16·2	16·			70,000	1,961								18,266				512						51,734				1,449					1,449	14·	"	"	0 02
Dec. 4	Colonial	1,323	244	36·2	19·2	13·3	13·6					72,750	1,747							9,778				235						62,972				1,512				1,512	13·4	Milwaukee	Oswego	0 02
	F. H. Prince	1,548	240	42·	23·4	14·6	15·6			28,000	785					560	540		8,538				240						19,462				545			560	540	1,645	14·	Chicago	Ogdensburg	0 02
								744,027	22,335	4,419,099	123,816	80,750	1,939	137,245	3,848	4,559	19,854	148,571	834,717	9,778	13,767	4,462	23,412	235	388	47		595,456	3,584,382	70,972	123,478	17,873	100,404	1,704	3,460	4,512	19,854	147,807				

RECAPITULATION.

	Number	Orig. Wheat (Bush.)	Wheat (Tons)	Corn (Bush.)	Corn (Tons)	Barley (Bush.)	Barley (Tons)	Rye (Bush.)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Lighterage Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Lighterage Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Through Wheat (Bush.)	Corn (Bush.)	Barley (Bush.)	Rye (Bush.)	Wheat (Tons)	Corn (Tons)	Barley (Tons)	Rye (Tons)	Oats (Tons)	Rolling Freight (Tons)	Total Cargo through Canal (Tons)
Canadian Vessels, Steam	14	1,094,293	32,844			56,076	1,349					250,108		3,464		7,510		84				844,185		52,612		25,334		1,265				26,599
British Vessels, Steam	10	958,756	28,773									271,622				8,153						687,134				20,620						20,620
United States Vessels, Steam	93	744,027	22,335	4,419,099	123,816	80,750	1,939	137,245	3,848	4,559	19,854	148,571	834,717	9,778	13,767	4,462	23,412	235	388	47		595,456	3,584,382	70,972	123,478	17,873	100,404	1,704	3,460	4,512	19,854	147,807
Total, Canadian, British and United States Vessels	117	2,797,076	83,952	4,419,099	123,816	136,826	3,288	137,245	3,848	4,559	19,854	670,301	834,717	13,242	13,767	20,125	23,412	319	388	47		2,126,775	3,584,382	123.584	123,478	63,827	100,404	2,969	3,460	4,512	19,854	195,026

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K.—Statement showing the Quantity of Freight passed Eastward, from Lake Erie, through the whole length of the Welland and St. Lawrence Canals, to Montreal, during the Seasons of Navigation in 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902 and 1903.

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Class 3.													
Cement and water lime						12							
Clay, lime and sand							38	52	15	15			
Iron railway												50	
" pig	371			195	79	5				508			
" all other				1	1,766	2,020	7,564	6,217	5,063	4,292	1,178	5,785	2,542
Steel					394	542	375	1,351	3,000	5,420			
Stone, for cutting						200							
Apples		54		50	28	1,263							
Barley			600	258	959	240		3,960	596	1,288			2,206
Corn	52,539	53,689	278,564	60,661	70,235	182,330	267,583	310,498	150,999	109,359	14,319	1,719	123,864
Flaxseed							3,293	5,687			4,965		3,643
Flour	3,324	2,874	5,514	16,503	30,916	11,964	1,029	653	4,229	1,595	1,400	6,755	16,151
Meal, all kinds	67	16		4	65						35		348
Oats			9,761	175	1,654	12,373	6,847	3,975	10,250	8,925	1,584	1,442	2,438
Oil cake											1,083		462
Pease	390	524				3,020	2,078	260		115			63
Rye	64,978	9,119	3,669			8,323	8,435	15,488	923	3,078	2,961	4,079	4,260
Salt							216	144	183		50		132
Seeds, all kinds	2	75				20			200				
Hay, pressed									96		246		
Tobacco, raw	1						51				23		
Wheat	159,785	194,281	209,212	212,557	158,643	255,198	278,498	184,154	169,978	121,896	132,702	200,975	226,746
All other agricultural products, vegetable	2			29		29		56	32				
Hides, skins, horns and hoofs		20											
Horses	2	2	1	1	1	1	1	4	1				
Lard and lard oil	100										1,155		
Meats, all kinds											114		
Pork	201			717		1					34		
Tallow													3
All other agricultural products, animal		103											
Total, Class 3	281,762	260,757	507,321	201,151	264,740	477,541	576,008	532,499	345,565	256,491	161,849	220,805	382,858
Class 4.													
Agricultural implements									3		1,785	13	58
Ashes	40	17	23	19	34	94	133	73	55	25	3		2

K.—STATEMENT showing the Quantity of Freight passed Eastward, from Lake Erie, through the whole length of the Welland and St. Lawrence Canals, to Montreal, &c.—*Concluded.*

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Class 4—Con.													
Crockery						5							
Furniture	2	1		2			1			1	5		3
Glass, all kinds	1					9	53	75	16	6	1		15
Molasses					100	167	9	56	159			54	240
Nails									1				19
Oil					6	23	112	1,141	7,143	15,647	14,987	12,091	14,619
Paint					2						17		5
Pitch and tar													
Rags						4							4
Rosin													20
Soda ash											4		
Sugar						1					112		
Stone, wrought													
Tobacco									96				
White lead										16			
Whisky, beer and other spirits	105	6	1		101		46	4	74	11	32		2
Merchandise, not enumerated	278	36	4	330	558	376	1,226	866	518	92	2,420	419	582
Total, Class 4	426	60	28	351	801	679	1,580	2,215	7,969	15,798	19,366	12,577	15,569
Class 5.													
Barrels, empty		1			1				1	182	66	15	
Hoops							257						
Sawed lumber	3,908	1,678	667	683	1,117	657	478	3,065	924	15,760	2,635	1,085	
Staves, pipe and barrel		8					4,716						
" West India and pipe		200											
Timber, square, in vessels													
" in rafts	5,680	400				1,200	1,207	329	26				
Woodenware				6								17	
Total, Class 5	9,588	2,327	667	689	1,118	1,857	6,658	3,394	951	15 942	3,205	1,117	
Special Class.													
Coal												15,976	
Grand total	291,776	263,144	508,016	292,191	266,659	480,077	584,246	538,108	354,485	28,231	184,420	250,475	398,427

L.—STATEMENT showing the Quantity of Freight passed Westward from Montreal, through the whole length of the St. Lawrence and Welland Canal to Lake Erie, during the Seasons of Navigation in 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902 and 1903.

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Ton	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons	Tons.	Tons.
Class 3.													
Bricks	469	.....	.....	1	24	15	70	70	24	49	196	22	80
Brimstone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	20	23
Cement and water lime	2,380	1,570	3,169	2,281	1,859	1,686	837	996	997	1,931	2,916	178	3,924
Clay, lime and sand	206	240	.....	253	.....	.....	4	144	8	4	2	1	181
Cotton, raw	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
Fish	7	426	465	512	.....	11	10	9	10	8	8	.....	8
Gypsum	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....
Iron, railway	2,855	1,171	6,576	20	.....	1,687	.....	.....	.....	74	748	11,735	39,641
" pig	112	74	25	.....	56	28	6	.....	.....	3	.....	558	273
" all other	595	387	543	114	1,831	727	559	699	1,318	1,428	4,950	2,904	5,845
Salt	4,391	2,034	995	843	932	822	25	35	.....	48	75	4	87
Steel	.....	269	426	248	528	.....	.....	19	18	.....	3	11	332
Stone for cutting	.....	145	.....	.....	.....	4	62	.....	.....	.....	.....	.....	.....
Flour	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	16	.....	.....
Hay	.....	.....	.....	.....	124	.....	.....	.....	.....	.....	.....	.....	.....
Meals	.....	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	17
Oats	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Potatoes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seeds, all kinds	.....	.....	.....	33	25	99	121	56	121	218	302	58	325
Tobacco, raw	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2
Agricultural products not enumerated, vegetables	52	.....	.....	5	26	.....	4	.....	.....	.....	1	1	.....
Hides and skins	.....	.....	.....	.....	26	.....	.....	.....	.....	.....	.....	16	6
Horses	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
Lard and lard oil	.....	16	.....	.....	1	.....	.....	2	.....	.....	.....	11	.....
Meats other than pork	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Pork	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Wool	2	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other articles not enumerated	2	.....	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, class 3	11,071	6,345	12,202	4,335	5,432	5,080	1,698	2,031	2,500	3,764	9,222	15,520	50,768
Class 4.													
Ashes, pot and pearl	31	88	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
Crockery and earthenware	251	8	98	107	12	83	4	33	3	5	.....	.....	32
Dye woods, &c	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Furniture	1	3	.....	.....	.....	.....	2	.....	.....	1	.....	.....	1

L.—STATEMENT showing the Quantity of Freight passed Westward from Montreal, through the whole length of the St. Lawrence and Welland Canal to Lake Erie, &c.—*Concluded.*

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Class 4—Con.													
Glass, all kinds	30	152	365	175	394	612	799	150	299	456	612	1,384	1,207
Manilla				11									
Molasses		32	43	42	20	1					1		6
Nails	560	276	472	500	1,149	409	129	229	518	180	675	1,292	2,878
Oil, in barrels	64	2	44	8	31	33	12	15	21	74	83	14	16
Paint	61	15	70	8	75	49	20	35	2	12	69	97	158
Pitch and tar	22	15	26	152	67	60	20	37	6	21	27	27	58
Rags									14			1	29
Resin									15				1
Soda, ash	377	352	68	94	84	74	249	88	108	69	169	201	264
Stone, wrought			14			17	25	31					
Sugar	412	1,320	2,218	2,724	1,430	1,873	311	566	1,596	430	810	1,314	204
Tin	23	27	34	327	396	395	359	237	159	117	338	506	209
Turpentine											1	2	1
White lead	3	6	35	2	7	10	5		1	4	11	37	80
Whiting	50	71	31	1	113	56	104	93	89	39	49	61	22
Whisky, beer, &c	294	220	26	53	77	51	93	98	178	295	131	182	452
Merchandise not enumerated	810	538	799	900	1,268	1,247	711	793	482	744	1,516	1,049	3,674
Total, class 4	2,989	3,125	4,343	5,104	5,123	4,970	2,844	2,405	3,491	2,447	4,492	6,169	9,294
Class 5.													
Barrels, empty													
Firewood in vessels												3,600	40,026
Lumber, sawn, in vessels													
Railway ties in vessels													611
Woodenware													
Total, class 5												3,600	40,637
Special Class.													
Coal													
Grand total	14,060	9,470	16,545	9,439	10,555	10,050	4,542	4,436	5,991	6,211	13,714	25,289	100,699

M.—STATEMENT showing the Quantity of Freight passed Eastward through the Welland Canal, from United States Ports to United States Ports, during the Season of Navigation from 1891 to 1903, inclusive.

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Class 3.													
Bricks							845						
Cement and water lime								300		18			
Fish	1		5	5									
Iron, railway					181		965	770					
" all other	10	1	102		214			324	1,008	714		30	
Salt	494								549		105		
Steel		1				498		2,951	13,522	3,110			
Stone for cutting													
Apples													
Barley	8,113	6,433	16,751	28,095	7,904	11,128	14,173	6,909	2,424	2,402	7,119	7,418	11,433
Corn	127,494	131,222	198,777	105,329	100,512	175,094	169,057	150,667	81,777	60,545	55,531	66,111	108,917
Flour	6,802	11,018	6,588	17,795	10,169	16,224	7,237	4,212	6,118	7,966	17,168	13,785	6,082
Hay, pressed							301						
Meal, all kinds	26,096	31,724	36,352	60,390	46,316	46,456	41,644	22,626	18,198	14,244	14,016	12,675	13,546
Oil cake				29						2,705	1,302	110	740
Oats	52,823	36,935	23,870	27,621	16,442	16,137	14,969	12,729	19,526	39,706	26,344	10,006	6,112
Pease								45		4			22
Potatoes													
Rye			864			490		1,197	923	2,149			4,174
Flaxseed									200				1,594
Seeds, all kinds	256	50	16		14	78	299	44	11			10	27
Tobacco											23		
Wheat	32,097	26,950	28,187	53,846	27,881	34,878	28,919	11,268	12,926	18,771	23,557	32,639	15,436
Agricultural products, vegetables										6	10		1
Hides and skins, &c	42				8	41	23						
Horses	3		2	4		3	3	2		4			2
Lard and lard oil, &c	10		1		6	1,348	1,444	3,671	864	1,588	1,680	2,413	
Meats, other than pork	2	29			30								
Pork	73	1	52	56	87	390	243	1,271	343	117	970	632	152
Sheep													
Tallow								359	201	631	119		
Wool	1,237	70	80	1,484	1,536	900	197	89	130		3	752	482
Total, class 3	255,553	244,434	311,647	294,654	211,300	303,665	280,319	219,434	158,720	154,680	147,947	146.581	168,720
Class 4.													
Agricultural implements												399	
Crockery and earthenware													
Furniture	7				2			2	7		3	17	

M.—STATEMENT showing the Quantity of Freight passed Eastward through the Welland Canal, from United States Ports to United States Ports, during the Season of Navigation from 1891 to 1903, inclusive—*Concluded.*

Articles.	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Class 4—Con.													
Glass, all kinds	1												
Marble											4		
Molasses									8	57			
Nails				57					11				
Oil, in barrels	1				30	1,005	198	119	367	17	22	1,594	2,000
Paint		44						3	2	36			
Rags									1				4
Soda ash													
Stone, wrought													
Sugar					59	165	31			154	448	280	
White lead													
Whisky, beer and all other spirits	167	46	83		15			34	168	1	1		3
Merchandise	1,865	1,331	1,693	2,976	7,656	3,990	3,591	3,828	6,219	7,889	3,327	1,928	2,010
Total, Class 4	2,041	1,421	1,782	3,033	7,762	5,160	3,820	3,986	6,783	8,164	3,805	4,218	4,017
Class 5.													
Empty barrels			9			10				5	282		
Firewood, in vessels						165						4	
Lumber, sawn, in vessels	45,504	54,173	68,985	62,905	41,974	75,515	68,280	52,844	57,695	55,128	38,085	72,806	48,337
Masts and spars, in vessels							403						
Hoops													
Railway ties, in vessels					446								
Shingles			13										
Staves, barrel													
Timber, square, in vessels					500		1,040						
Woodenware, &c	4	54				12	1						
Total, Class 5	45,508	54,227	69,007	62,905	42,920	75,702	69,724	52,844	57,695	55,133	38,367	72,810	48,337
Special Class													
Coal	1,382	651	2,123	727	603	1,255		759	2,293	992	357	501	
Stone, not suitable for cutting													
Kryolite	1,773												
Total, Special Class	3,155	651	2,123	727	603	1,255		759	2,293	992	357	501	
Grand total	306,257	300,733	384,559	361,319	262,585	385,782	353,863	277,023	225,491	218,969	190,476	224,110	221,074

N.—STATEMENT showing the Number of Vessels which took their Cargoes of WHEAT through the Welland Canal from Ports west of Port Colborne; the quantity transhipped at Kingston, and the quantity of each Cargo through the St. Lawrence Canals to Montreal during the Season of Navigation in 1903.

Names of Vessels.	Original quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal
Canadian Steamer Advance	1,224	155	1,069
" " "	1,041		1,041
" " "	1,050		1,050
" " "	1,080		1,080
" " A. E. Ames	1,633		1,633
" " "	1,620		1,620
" " "	1,590		1,590
" " "	1,500		1,500
" " Arabian	1,200		1,200
" " "	1,206		1,206
" " "	1,200		1,200
" " "	1,200		1,200
" " "	1,200		1.200
" " Myles	1,081	601	480
" " Neepawah	1,829		1,829
" " H. M. Pellatt	1,500		1,500
" " "	1,560		1,560
" " "	1,260		1,260
" " "	510		510
" " H. M. Penall	1,560		1,560
" " "	1,290		1,290
" " J. H. Plummer	1,320		1,320
" " "	1,620		1,620
" " "	1,650		1,650
" " "	1,590		1,590
" " "	1,620		1,620
" " Turret Chief	1,897		1,897
" " "	1,050		1,050
" " Wahcondah	1,620		1,620
" " "	1,632		1,632
" " "	1,629		1,629
" " "	1,620		1,620
" " "	1,590		1,590
" " "	1,590		1,590
" Barge F. L. Danforth	1,350	629	721
" " Melrose	1,500	240	1,260
" " Minnedosa	480		480
" " "	1,800	210	1,590
" " Selkirk	1,440	90	1,350
United States Steamer H. G. Dalton	2,055		2,055
" " A. D. Davidson	1,515		1,515
" " "	2,130		2,130
" " G. E. Howe	701		701
" " J. S. Keefe	2,175		2,175
" " A. Marshall	2,100		2,100
" " S. N. Parent	2,100		2,100
" " R. Wallace	2,160		2,160
Total	69,268	1,925	67,343

Number of cargoes of wheat	47
Quantity through Welland to Kingston	69,268 tons.
" transhipped at Kingston	1,925 "
" taken to Montreal in vessels in which it arrived Kingston	67,343 "

N.—STATEMENT showing the Number of Vessels which took their Cargoes of Corn through the Welland Canal from Ports west of Port Colborne; the quantity transhipped at Kingston, and the quantity of each Cargo through the St. Lawrence Canals to Montreal, during the Season of Navigation in 1903.

Name of Vessel.	Original Quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal
	Tons.	Tons.	Tons.
Canadian Steamer A. E. Ames	1,652		1,652
" " Advance	1,064		1,064
" " Cuba	560		560
" " "	480		480
" " "	504		504
" " "	336		336
" " "	448		448
" " "	336		336
" " "	280		280
" " "	504		504
" " "	504		504
" " "	504		504
" " Lake Michigan	454		454
" " Melbourne	280		280
" "	420		420
" "	448		448
" "	504		504
" "	280		280
" "	280		280
" "	504		504
" "	504		504
" "	504		504
" "	448		448
" Barge Winnipeg	1,400	84	1,316
United States Steamer J. Crerar	2,186		2,186
" " A. D. Davidson	756		756
" " G. C. Howe	1,477		1,477
" " J. Lambert	2,198		2,198
" " "	2,155		2,155
" " A. M. Marshall	2,184		2,184
" " W. P. Palmer	1,924		1,924
" " S. N. Parent	2,168		2,168
" " R. Wallace	2,168		2,168
" " A. B. Wolvin	1,941		1,941
Total	32,323	84	32,239

Number of cargoes of corn	34	
Quantity through Welland to Kingston	32,323	tons.
" transhipped at Kingston	84	"
" taken to Montreal in vessels in which it arrived at Kingston	32,239	"

RECAPITULATION of the Number of Vessels passed DOWN the Welland Canal with Cargoes of Grain for Montreal; the quantity transhipped at Kingston, and the quantity taken to Montreal, for the Season of Navigation in 1903.

	Number of Cargoes.	Total Number.
Wheat	47	
Corn	34	
Total		81
	Tons.	Tons.
Quantity of wheat through the Welland Canal, bound for Montreal	69,268	
" corn " " "	32,323	
Total through the Welland Canal		101,591
Quantity of the above transhipped at Kingston—		
Wheat	1,925	
Corn	84	
Total transhipped		2,009
Quantity of the above cargoes taken to Montreal in vessels in which it arrived at Kingston—		
Wheat	67,343	
Corn	32,239	
Total quantity to Montreal		99,582
Grand total		101,591

O.—STATEMENT showing the Quantity of Grain passed DOWN the Welland Canal to Kingston, Ogdensburg and other Ports, in Canadian and United States Vessels entering the Canal at Port Colborne, during the Season of Navigation in 1903.

	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail.	
	No.	Tonnage of Vessels.	No.	Tonnage of Vessels.	No.	Tonnage of Vessels.	No.	Tonnage of Vessels.	No.	Total Tonnage of Vessels.
	121	107,074	28	22,869	171	217,006	14	8,611	334	355,560
	Tons.		Tons.		Tons.		Tons.		Tons.	
Barley		2,580		667		11,409				14,656
Corn		21,356		4,682		174,588		10,132		210,758
Oats		306		1,335		6,112				7,753
Pease		63				22				85
Rye						4,904				4,904
Wheat		149,378		38,473		60,514		6,305		254,670
Total		173,683		45,157		257,549		16,437		492,826

				Tons.
133	cargoes	in Canadian Vessels, steam,	total quantity	173,683
37	"	" sail	"	45,157
205	"	United States vessels, steam	"	257,549
14	"	" sail	"	16,437

P.—STATEMENT of the Quantity of Grain arrived at Kingston and Ogdensburg in Vessels which passed DOWN the Welland Canal, during the Season of Navigation in 1903.

Summary.	Tons.	Tons.
Canadian steam—133 cargoes of grain	173,683	
" sail 37 "	45,157	
Total in Canadian vessels		218,840
United States steam—205 cargoes of grain	257,549	
" sail 14 "	16,437	
Total in United States vessels		273,986
Total in Canadian and United States vessels		492,826
Distributed as follows :—		
63 Canadian and 18 United States vessels arrived at Kingston and discharged part of their cargoes, taking the balance to Montreal		99,582
308 vessels arrived at Kingston, Ogdensburg and other ports and discharged all their cargoes as follows :—		
81 cargoes in Canadian vessels 130,538		
227 " United States vessels 260,697		
Quantity discharged by 7 Canadian vessels which took the balance to Montreal 2,009		
Total quantity discharged	393,244	
Total quantity of above transhipped from Kingston and Ogdensburg to Montreal		*252,354
Quantity transhipped from Kingston and Ogdensburg to Cardinal		6,957
" remaining at Kingston, Ogdensburg and other American ports		133,933
Total		492,826

* Of this quantity 2,890 tons were transhipped from Kingston, being grain of 1902.

Q.—COMPARATIVE STATEMENT of the Quantity of Grain passed DOWN the Welland Canal to Kingston and Ogdensburg, during the Seasons of Navigation in 1902 and 1903.

	1902.		1903.	
	No. of Cargoes.	Tons.	No. of Cargoes.	Tons.
Quantity arrived at Kingston in Canadian vessels	131	175,514	170	218,840
Quantity arrived at Kingston and Ogdensburg in United States vessels	135	136,652	219	273,986
Total	266	312,166	389	492,826
Quantity transhipped at Kingston and Ogdensburg in Canadian vessels for Montreal		* 166,866		252,354
Quantity taken to Montreal in vessels in which it arrived at Kingston		35,253		99,582
Quantity remaining at Kingston, Ogdensburg and Cardinal		110,047		140,890
Total		312,166		492,826

* Of this quantity 2,890 tons were transhipped to Montreal in 1903.
74 vessels took their cargoes through in 1903, against 36 in 1902.
7 " discharged part of their cargo in 1903, against 3 in 1902.
308 " " all their cargo in 1903, against 227 in 1902.

R.—STATEMENT showing the Number of Vessels, their Tonnage, Number of Passengers and Tons of Freight passed down the Rapids of the St. Lawrence Canals during the Season of Navigation in 1903.

Destination.	No. of Sections.	No. of Vessels.	Tonnage of Vessels.	Number of passengers	Class Three.	Class Four.	Class Five.	Special Class.	Tolls.
			Tons.		Tons.	Tons.	Tons.	Tons.	$ cts.
Prescott to Montreal	4	115	58,411	15,306	284	942			2,200 01
" Lachine	3	30	16,131	2,534	975	937			531 42
Valleyfield to Lachine	1	171	37,866	4,025	1,798	709	36		278 29
Lachine to Montreal	1	300	55,166	20,649	1,253	1,213	17		731 18
Total		616	167,574	42,514	4,310	3,801	53		3,740 90

S.—The quantity of Coal passed through the Welland Canal during a series of years from 1885 to 1903, inclusive, and the amount of Tolls collected thereon, is as follows :—

Years.	From Canadian Ports to Canadian Ports.	From Canadian Ports to Canadian Ports.	From United States Ports to United States Ports.		From United States Ports to Canadian Ports.		Total, Tons.	Amount of Tolls paid. — Rate 20 cents a ton.
	Up.	Down.	Up.	Down.	Up.	Down.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		$ cts.
1885			193,442	4,974	10,321	31,350	240,087	48,017 40
1886			184,564	5,400	22,187	49,724	261,875	52,375 00
1887			81,617	1,163	26,775	25,968	135,523	27,104 60
1888			172,381	878	17,365	27,183	217,807	43,561 40
1889			226,352	1,124	12,036	25,931	265,443	53,188 60
1890	80		116,616	615	17,280	22,781	202,372	38,222 30
1891			185,190	1,382	17,374	20,698	224,644	44,928 20
1892			183,244	651	12,391	15,330	211,616	42,284 13
1893			204,704	2,123	8,325	17,944	233,096	46,619 20
1894			187,794	727	1,269	13,947	203,737	40,789 93
1895	4		148,887	603	1,565	7,807	158,866	31,773 05
1896	20	210	206,093	1,255	4,127	11,740	223,445	44,668 20
1897		4	165,143		1,277	9,799	176,223	35,244 60
1898			156,055	759	986	4,536	162,336	32,467 20
1899			86,638	2,293	525	8,276	97,732	19,546 40
1900	8		45,032	992		1,360	47,392	9,478 40
1901			46,345	357	456	2,322	49,480	9,896 00
1902			12,410	501	65	51,037	64,013	12,845 60
1903	3		113,076		4,796	30,009	147,884	29,576 80

Note.—Tolls on soft coal passed down the Welland Canal, during the season of 1890, were reduced from 20 to 10 cents a ton, per O. C. 11th May, 1890, for the season of 1890 only; the rate for 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901 and 1902, being 20 cents a ton for passage either eastward or westward. During 1903 all tolls were free. O. C. Apr. 27, 1903.

and in

T.—STATEMENT showing the quantity of Coal passed through the whole length of the St. Lawrence Canal during the seasons of 1885 to 1903 inclusive.

Years.	Quantity passed up free of Tolls.	Quantity passed down to Montreal.	Total Quantity passed up and down.	Amount of Tolls on Quantity passed down to Montreal.
	Tons.	Tons.	Tons.	$ cts.
1885	5,035	122,829	127,864	18,424 35
1886	3,301	118,802	122,103	17,820 70
1887	7,579	121,618	129,197	18,242 70
1888	8,341	123,050	131,391	18,423 90
1889	5,360	124,290	129,650	18,604 90
1890	6,538	135,168	141,706	20,275 20
1891	7,951	141,701	149,652	21,255 15
1892	7,543	157,134	164,677	23,570 10
1893	2,285	147,139	149,424	22,070 85
1894	16,213	169,552	185,765	25,432 80
1895	.....	165,151	165,151	24,772 65
1896	689	161,551	162,240	24,232 65
1897	40	164,963	165,003	24,722 37
1898	400	175,609	176,009	26,341 05
1899	448	201,546	201,994	30,231 80
1900	10	280,169	280,179	42,025 35
1901	2,765	298,245	301,010	44,732 55
1902	9,231	95,702	104,933	11,958 90
1903	30	290,548	290,578	*43,555 73

NOTE.—Coal is allowed to pass free up the St. Lawrence Canals. Con. O. C. Oct. 26, 1889.

* These tolls were 'free' by O. C. April 27, 1903.

U.—COMPARATIVE STATEMENT of the Quantity of Freight passed down the Welland Canal, showing the Quantity to Montreal, the Quantity to Canadian Ports between Port Dalhousie and Cornwall, and the Quantity to United States Ports, Oswego, Ogdensburg, &c., on the south side of Lake Ontario, for the years 1892 to 1903, inclusive.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1892.	Tons.	Tons.	Tons.
Ashes, pot and pearl	17	2	.....
Apples	54	.....	.....
Barley	.....	.....	6,433
Corn	53,689	7,637	131,222
Coal	.....	14,839	651
Flour	2,874	.....	11,018
Fish	9	.....	.....
Furniture	1	.....	7
Hides	20	.....	.....
Horses	2	.....	.....
Iron, railway	.....	100	.....
" all other	.....	765	1
Meal, all kinds	16	.....	31,724
Meats, other than pork	94	.....	29
Oats	.....	.....	36,935
Oil	.....	7	.....
Pease	524	.....	.....
Potatoes	.....	.....	1
Pork	.....	.....	44
Rye	9,119	273	.....
Salt	.....	865	.....
Seeds, all kinds	75	.....	50
Steel	.....	.....	1
Stone for cutting	.....	1,264	.....
Sugar	.....	.....	20
Wheat	194,281	5,373	26,950
Whisky, beer, spirits, &c	6	15	46
Wool	.....	.....	70
Merchandise not enumerated	36	13	1,304
Barrels, empty	1	.....	29
Lumber, sawn, in vessels	1,678	150	83,403
Square timber	440	42,768	440
Staves and headings, pipe	8	80	.....
" " West India	200	76	.....
Shingles	.....	.....	25
Total	263,144	74,227	330,403
*Wheat	+4,341	−4,341	.....
Total	267,485	69,886	330,403

* This quantity of wheat was taken from Kingston to Ogdensburg and stored in elevators, and subsequently transhipped to Montreal.

A refund of 18 cents a ton, Welland Canal tolls, was allowed on wheat, Indian corn, pease, barley, rye, oats, flaxseed and buckwheat which passed down the whole length of the Welland and St. Lawrence Canals, to Montreal, or any port east of Montreal, and such products exported out of the country, and in such cases only.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1893.	Tons.	Tons.	Tons.
Ashes, pot and pearl	23	.....	.....
Barley	600	1,110	16,751
Bricks	.....	1,251	.....
Corn	278,564	5,752	156,776
Coal	.....	17,944	2,123
Flour	5,514	.....	6,588
Fish	.....	.....	5
Furniture	.....	.....	6
Horses	1	1	2
Iron, pig	.....	.....	100
" all other	.....	.....	2
Meal, all kinds	.....	1,025	36,352
Meats, other than pork	.....	.....	1
Oats	9,761	1,090	20,313
Pork	.....	.....	52
Rye	3,669	1	1
Salt	.....	286	.....
Seeds, all kinds	.....	.....	16
Wheat	209,212	17,602	29,117
Whisky, beer, &c	1	.....	83
Wool	.....	.....	80
Merchandise not enumerated	4	2	1,693
Barrels, empty	.....	.....	9
Firewood (in rafts)	.....	15	.....
Lumber, sawn, in vessels	667	1,981	123,665
Shingles	.....	.....	13
Square timber	.....	45,605	.....
Staves and headings, barrel	.....	12	.....
" pipe	.....	7	.....
" West India	.....	53	.....
Total	508,016	93,737	393,748

There was no rebate allowed of the Welland Canal toll on grain passed down to Montreal during the season of navigation in 1893.

The tolls were, however, reduced by Order in Council of 13th February, 1893, as follows:—" For the season of 1893, the canal toll for the passage of the following food products: wheat, Indian corn, pease, barley, rye, oats, flaxseed and buckwheat, for passage eastward through the Welland Canal be ten cents per ton; and for passage eastward through the St. Lawrence Canals only, ten cents per ton, payment of the said toll of ten cents a ton for passage through the Welland Canal to entitle these products to free passage through the St. Lawrence Canal."

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1894.	Tons.	Tons.	Tons.
Apples	50		
Ashes	19		
Barley	258		28,095
Bricks		552	
Coal		13,818	727
Corn	60,661	3,243	105,329
Dye woods and dye stuffs		4	2
Fish			5
Flour	16,503	41	16,880
Furniture	2	3	
Horses	1	2	4
Iron, pig	195	2,170	
" all other	1	183	
Meals	4		60,390
Nails			57
Oats	175	107	27,621
Oil cake	29		
" in barrels		27	
Pork	717		56
Salt		133	
Spirits, beer, &c		3	
Sugar			52
Wheat	212,557	13,349	42,934
White lead	16		
Wool			1,484
Merchandise not enumerated	314		2,889
Barrels, empty		16	
Sawn lumber, in vessels	683		86,545
Square timber "		47,030	
Woodenware	6		
Total	292,191	80,681	373,070

There was no rebate allowed of the Welland Canal toll on grain passed down to Montreal during the season of navigation in 1894.

The tolls were, however, reduced by Order in Council of 16th April, 1894, as follows :—For the season of 1894, the canal tolls for the passage of the following food products : wheat, Indian corn, pease, barley, rye, oats, flaxseed and buckwheat, for passage eastward through the Welland Canal be ten cents per ton ; and for passage eastward through the St. Lawrence Canals only, ten cents per ton, payment of the said toll of ten cents a ton for passage through the Welland Canals to entitle these products to free passage through the St. Lawrence Canals.

U.—Comparative Statement of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1895.	Tons.	Tons.	Tons.
Apples	28		
Ashes	34	15	
Barley	959		7,730
Bricks		651	
Coal		7,809	603
Corn	70,235	2,912	91,743
Flour	30,916	1,824	10,265
Furniture		12	2
Glass		1	
Horses	1	1	
Hides, skins, &c.			8
Iron, railway			181
" pig	79	1,994	
" all other	1,766	1,408	214
Lard and lard oil			6
Meal, all kinds	65		46,316
Meats other than pork			30
Molasses	100		
Oats	1,654	123	16,442
Oil, in barrels	6	41	30
Pork			87
Paint	2		
Salt		36	
Stone, for cutting		430	
Seeds, all kinds			14
Steel	394		462
Sugar			59
Spirits, beer, &c.	101	84	15
Tobacco		16	
Wheat	*158,643	29,061	17,908
Wool			1,536
Merchandise not enumerated	558	1,302	7,656
Barrels, empty	1		
Sawn lumber, in vessels	1,117	492	43,286
Railway ties			1,942
Shingles		19	
Square timber, in vessels		63,715	500
Total	266,659	111,946	247,035

* Of this amount 3,469 tons came down to Kingston in 1894, were stored there and taken to Montreal in 1895 ; and 245 tons came down to Ogdensburg in 1894, stored there, and transhipped to Montreal in 1895.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1896.	Tons.	Tons.	Tons.
All other (vegetable)	29		
Apples	†1,263		
Ashes	94		
Barley	240		11,128
Cement and water-lime	12		
Coal		11,742	1,255
Corn	182,330	19,688	118,426
Crockery	5		
Fish		2	
Flour	11,964	13,846	16,224
Furniture		3	
Glass	9	3	
Hay, pressed		563	
Hides, skins, &c.			41
Horses	1	1	3
Iron, railway		1,192	
" pig	5	1,559	
" all other	2,020	1,725	
Lard and lard oil			1,348
Meal, all kinds		500	46,456
Molasses	167		
Oats	12,373	1,454	14,351
Oil in barrels	23		1,005
Pease	3,020	10	
Pork	1		390
Rags	4		
Rye	8,323	647	
Salt		80	
Seeds, all kinds	20		78
Steel	542	11,317	498
Sugar	1		165
Tobacco		1	
Wheat	*254,763	51,587	16,467
Wool		8	900
Merchandise not enumerated	376	54	3,990
Barrels, empty			10
Firewood, in vessels			165
Sawn lumber "	657	1,286	78,397
Shingles		94	40
Square timber, in vessels		55,588	
" rafts	1,200		
Woodenware			12
Total	479,442	172,950	311,349

† 523 tons of this quantity of apples paid full tolls by sections on the Welland Canal, and consequently does not appear on the Welland Through Statement.

* Of this amount 5,290 tons came down to Kingston in 1895, were stored there and transhipped to Montreal in 1896.

U.—Comparative Statement of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1897.	Tons.	Tons.	Tons.
Agricultural products, vegetable			32
Ashes	133		
Barley			14,173
Bricks		739	845
Clay, lime and sand	38	430	
Coal		9,803	
Corn	*264,396	11,103	115,689
Flaxseed	3,293	169	
Flour	1,029	211	7,237
Furniture	1	5	
Glass	53	9	
Hay, pressed			301
Horses	1	1	3
Hides and skins, &c			23
Iron, railway		6,241	965
" pig		2,828	
" all other	7,564	6,143	
Lard and lard oil			1,444
Meal, all kinds		699	41,644
Molasses	9		
Oats	*6,847	3,046	15,233
Oil in barrels	112	51	198
Pease	*2,078	3	
Pork			243
Rye	8,435	48	
Salt	216		
Stone for cutting		330	
Seeds, all kinds			299
Steel	375	4,680	
Sugar			31
Spirits, beer, &c	46		
Tobacco	51		
Wheat	*278,498	†39,057	12,661
Wool			197
Merchandise not enumerated	1,214	347	3,591
Firewood, in vessels		12	
Hoops	257	8	
Lumber, sawn, in vessels	478	1,158	69,710
Masts " "			403
" " rafts		5	
Railway ties, in vessels		999	
Split posts "		4	
Timber, square "	1,207	81,117	1,040
Staves and headings, salt barrel	4,716		
Woodenware			1
Total	581,047	169,246	285,963

* Of this quantity of corn 573 tons came down to Ogdensburg and Prescott in 1896, were stored there and transhipped to Montreal in 1897.

* Of this quantity of oats 50 tons came down to Prescott in 1896 and passed down to Montreal in 1897, and 170 tons passed through on St. Catharines Reports ; 136 tons of which passed down to Montreal.

* Of this quantity of pease 230 tons were transhipped and passed through on St. Catharines Reports.

* Of this quantity of wheat 624 tons were transhipped and passed through on St. Catharines Reports, and 7,072 tons came down to Kingston and Prescott in 1896 and passed down to Montreal in 1897.

† Of this quantity, 1,079 tons were transhipped and passed through on St. Catharines Reports.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1898.	Tons.	Tons.	Tons.
Agricultural products, vegetable	56		
Ashes	73		
Barley	3,960	1,417	6,909
Cement and water-lime			300
Clay, lime and sand	52	1	
Coal		4,536	759
Corn	*310,498	13,338	116,317
Flaxseed	5,687	9	
Flour	653		4,212
Furniture			2
Glass	75		
Horses	4		
Iron, railway		674	770
" pig		4,187	
" all other	6,217	257	324
" ore		13,433	
Lard and lard oil			3,671
Meal, all kinds			22,626
Molasses	56		
Oats	3,975	625	12,729
Oil, in barrels	1,141	15	119
Paint			3
Pease	260		45
Pork			1,271
Rye	*16,133	39	
Salt	144	644	
Seeds, all kinds			44
Spirits, beer, &c	4		34
Steel	1,351	3,122	2,951
Stone for cutting		554	
Tallow			359
Wheat	*184,706	15,860	8,612
Wool			89
Merchandise, not enumerated	866	25	3,828
Firewood, in vessels		747	
Lumber, sawn, in vessels	3,065	2,840	72,897
Railway ties		190	
Shingles		11	
Square timber	329	48,369	
Total	539,305	119,893	258,871

* Of this quantity of corn 2,340 tons came down to Ogdensburg and Prescott in 1897, were stored there, and transhipped to Montreal in 1898.

* Of this quantity of rye 45 tons came down to Prescott in 1897, were stored there, and transhipped to Montreal in 1898.

* Of this quantity of wheat 4,165 tons came down to Kingston in 1897, were stored there, and transhipped to Montreal in 1898.

U.—Comparative Statement of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1899.	Tons.	Tons.	Tons.
Agricultural products, vegetable	32		
Ashes	58		
Barley	596		1,828
Clay, lime and sand	15		
Coal		8,276	2,293
Corn	*150,999	16,594	43,854
Flaxseed	200		
Flour	4,229	1,889	4,404
Furniture		2	7
Glass	16		
Horses	1		
Iron, ore		26,125	
" all other	5,063		294
Lard and lard oil		3	864
Meal, all kinds			18,198
Molasses	159		8
Nails	1	1	11
Oats	*10,250	1	13,139
Oil, in barrels	7,143	2	254
Paint			2
Pork			343
Rags			1
Rye	923		
Salt	183	479	549
Seeds, all kinds			11
Spirits, beer, &c	74	71	168
Steel	3,000	1,562	11,802
Stone for cutting		429	
Tallow			201
Tobacco	96		
Wheat	*169,978	23,602	9,190
Wool			130
Merchandise, not enumerated	518	126	6,219
Barrels, empty	1		
Firewood, in vessels		27	
Hop poles		100	
Lumber, sawn, in vessels	924	4,583	57,695
Masts and spars "		3	
Railway ties "		74	1,273
Shingles		50	
Square timber, in vessels	26	24,959	
Total	354,485	108,958	172,738

* Of this quantity of corn 7,443 tons came down to Ogdensburg and Prescott in 1898, were stored there, and transhipped to Montreal in 1899.

* Of this quantity of oats 187 tons passed down from Dunnville to Montreal.

* Of this quantity of wheat 6,447 tons passed down to Kingston in 1898, were stored there, and transhipped to Montreal in 1899.

U.—Comparative Statement of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1900.	Tons.	Tons.	Tons.
Agricultural products, vegetable	.....	1	.6
Ashes	25	15	.....
Barley	1,288	563	1,598
Cement and water-lime	.....	.....	18
Clay, lime and sand	15	.....	.....
Coal	.....	1,360	992
Corn	*109,359	9,844	44,306
Flour	1,595	990	6,371
Furniture	1	.....	.....
Glass, all kinds	6	4	.....
Horses	.....	.....	4
Iron, pig	508	1,284	.....
" all other	4,292	1,044	714
" ore	.....	58,400	.....
Lard and lard oil	.....	.....	1,588
Meal (all kinds)	.....	.....	14,244
Molasses	.....	21	57
Oats	*8,925	348	30,840
Oil, in barrels	15,647	4,288	17
Oil-cake	.....	.....	2,705
Paint	.....	2	36
Pease	115	.....	4
Pitch and tar	.....	24	.....
Pork	.....	.....	117
Rye	3,078	160	300
Salt	.....	467	.....
Soda ash	.....	15	.....
Steel	5,420	.....	2,601
Sugar	.....	.....	154
Tallow	.....	.....	631
Wheat	*121,896	6,610	7,541
White lead	16	.....	.....
Merchandise not enumerated	103	154	7,899
Barrels, empty	182	407	5
Firewood, in vessels	.....	1,143	.....
Lumber, sawn, in vessels	15,760	5,701	55,128
Shingles	.....	90	.....
Square timber, in vessels	.....	20,267	.....
Staves	.....	3	.....
Total	288,231	113,205	177,876

*Of this quantity of corn 751 tons came to Ogdensburg, Kingston and Prescott in 1899, were stored there, and transhipped to Montreal in 1900.

*Of this quantity of oats 585 tons came down to Ogdensburg, Kingston and Prescott in 1899, were stored there, and transhipped to Montreal in 1900.

*Of this quantity of wheat 10,835 tons came down to Ogdensburg, Kingston and Prescott in 1900, were stored there, and transhipped to Montreal in 1900.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1901.	Tons.	Tons.	Tons.
Agricultural implements	1,785		
" products, vegetable			10
Ashes	3		
Barley			7,119
Coal		2,322	357
Corn	14,319	4,828	48,609
Flaxseed	4,965	2	
Flour	1,400	218	15,768
Furniture	5		
Glass (all kinds)	1		
Hay, pressed	246		
Iron, pig		1,790	
" all other	1,178	589	
" ore		98,452	
Lard and lard oil	1,155	827	525
Meal (all kinds)	35		13,981
Meats	114	7	
Molasses		17	
Oats	1,584	853	25,704
Oil (in barrels)	14,987	2,971	22
Oil-cake	1,083	113	219
Paint	17	6	
Pitch and tar		17	
Pork	34	970	10
Rye	2,961		
Salt	50	165	105
Soda ash	4		
Spirits, &c	32		
Sugar	112		448
Tallow			119
Tobacco, raw	23		
Wheat	*132,702	8,051	9,057
Wool			3
Merchandise not enumerated	2,420	1,395	966
Barrels, empty	66		216
Firewood, in vessels		1,287	
Lumber, sawn, in vessels	2,635	3,412	51,931
Mast spars, &c. "		13	
Shingles		18	
Square timber, in vessels	504	14,023	
Total	184,420	142,346	175,169

*Of this quantity 9,324 tons came to Ogdensburg in 1900, were stored there, and transhipped to Montreal in 1901.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhbusie and Cornwall.	Quantity passed down to United States Ports.
1902.	Tons.	Tons.	Tons.
Agricultural implements	13	.....	399
Barley	.....	.....	7,418
Coal	15,976	.....	35,562
Corn	1,719	10,335	55,593
Fish	.....	1	.....
Flour	6,755	5,697	7,030
Furniture	.....	.....	17
Iron, railway	50	.....	.....
" all other	5,785	.....	220
" ore	.....	3,492	18,988
Lard and lard oil	.....	.....	2,413
Meal, all kinds	.....	.....	12,675
Molasses	54	18	.....
Oats	1,442	.....	9,764
Oil (in barrels)	12,091	131	1,594
Oil cake	.....	.....	110
Paint	.....	20	.....
Pitch and tar	.....	33	.....
Pork	.....	.....	632
Rye	4,079	.....	.....
Seeds, all kinds	.....	.....	10
Sugar	.....	.....	280
Wheat	* 200,975	12,452	8,389
Wool	.....	.....	752
Merchandise not enumerated	419	172	1,928
Barrels (empty)	5	15	4
Firewood, in vessels	.....	288	.....
Lumber, sawn, in vessels	1,085	2,178	97,300
Saw logs	.....	28	.....
Square timber, in vessels	.....	20,838	.....
Staves (barrel)	.....	35	.....
Woodenware	17	.....	.....
Total	250,475	55,733	261,078

* Of this quantity 6,096 tons were transhipped to Montreal being grain of 1901.

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal, &c.—*Concluded.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1903.	Tons.	Tons.	Tons.
Agricultural implements	46	.....	.....
" products	.....	1	.....
Ashes	14	.....	.....
Barley	2,206	1,017	11,433
Coal	.....	30,009	.....
Corn	116,223	13,846	80,689
Flax and hemp	.....	5	.....
Flax seed	3,643	.....	.....
Flour	16,151	.....	6,082
Furniture	3	10	.....
Glass, all kinds	15	.....	.....
Horses	.....	.....	2
Iron, railway	.....	15	.....
" all other	2,542	556	.....
" ore	.....	18,323	.....
Meal, all kinds	348	.....	13,549
Molasses	240	16	.....
Nails	19	.....	.....
Oats	2,438	.....	5,315
Oil	14,619	518	2,000
Oil cake	462	792	740
Paint	5	.....	.....
Pease	63	.....	22
Pork	.....	.....	152
Rags	4	.....	.....
Rosin	20	.....	.....
Rye	4,260	.....	644
Salt	132	2,242	.....
Seeds, all kinds	.....	.....	27
Spirits	2	.....	3
Steel	.....	5	.....
Tallow	3	15	.....
Wheat	* 226,746	14,199	13,725
Wool	.....	.....	482
Merchandise not enumerated	582	117	2,012
Firewood, in vessels	.....	210	9
Lumber, sawn, in vessels	.....	3,086	76,563
Shingles	.....	54	.....
Timber, square, in vessels	.....	26,324	.....
Total	390,786	111,360	213,449

* Of this quantity 2,890 tons were transhipped to Montreal being grain for 1902.

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal to Canadian Ports, &c.—*Continued.*

RECAPITULATION.

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1892.	Tons.	Tons.	Tons.
Barley	.....	.....	6,433
Corn	53,689	7,637	131,222
Oats	.....	.....	36,935
Pease	524	.....	.....
Rye	9,119	273	.....
Wheat	194,281	5,373	26,950
Total grain	257,613	13,283	201,540
Quantity taken to Ogdensburg and transhipped to Montreal	*4,341	4,341	.....
Total	261,954	8,942	201,540
Other articles	5,531	60,944	128,863
Total	267,485	69,886	330,403
1893.			
Barley	600	1,110	16,751
Corn	278,564	5,752	156,776
Oats	9,761	1,090	20,313
Pease	.....	.....	.....
Rye	3,669	1	1
Wheat	209,212	17,602	29,117
Total grain	501,806	25,555	222,958
Other articles	6,210	68,182	170,790
Total	508,016	93,737	393,748
1894.			
Barley	258	.....	28,095
Corn	60,661	3,243	105,329
Oats	175	107	27,621
Pease	.....	.....	.....
Rye	.....	.....	.....
Wheat	212,557	13,349	42,934
Total grain	273,651	16,699	203,979
Other articles	18,540	63,982	169,091
Total	292,191	80,681	373,070
1895.			
Barley	959	.....	7,730
Corn	70,265	2,912	91,743
Oats	1,654	123	16,442
Rye	.....	.....	.....
Wheat	†158,643	29,061	17,908
Total grain	231,491	32,096	133,823
Other articles	35,168	79,850	113,212
Total	266,659	111,946	247,035

* This quantity of wheat was taken from Kingston to Ogdensburg and stored in elevators and subsequently transhipped to Montreal.

† Of this amount, 3,469 tons came down to Kingston in 1894, was stored there, and taken to Montreal in 1895, and 245 tons came down to Ogdensburg in 1894, was stored there, and transhipped to Montreal in 1895.

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal to Canadian Ports, &c.—*Continued.*

RECAPITULATION—*Continued.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1896.	Tons.	Tons.	Tons.
Barley	240		11,128
Corn	182,330	19,688	118,426
Oats	12,373	1,454	14,351
Pease	3,020	10	
Rye	8,323	647	
Wheat	254,763	51,587	16,467
Total grain	*461,049	73,386	160,372
Other articles	18,393	99,564	150,977
Total	749,442	172,950	311,349
1897.			
Barley			14,173
Corn	264,396	11,103	115,689
Oats	6,847	3,046	15,233
Pease	2,078	3	
Rye	8,435	48	
Wheat	278,498	39,057	12,661
Total grain	†560,254	53,257	157,756
Other articles	20,793	114,989	122,207
Total	581,047	166,246	285,963
1898.			
Barley	3,960	1,417	6,909
Corn	310,498	13,338	116,317
Oats	3,975	625	12,729
Pease	260		45
Rye	16,133	39	
Wheat	184,706	15,860	8,612
Total grain	‡519,532	31,279	144,612
Other articles	19,773	79,614	114,259
Total	539,305	110,893	258,871
1899.			
Barley	596		1,828
Corn	150,999	16,594	43,854
Oats	10,250	1	13,139
Pease			
Rye	923		
Wheat	169,978	24,602	9,190
Total grain	§332,746	40,197	68,011
Other articles	21,739	68,761	104,727
Total	354,485	108,958	172,732

* Of this amount, 5,290 tons came down to Kingston in 1895, was stored there, and transhipped to Montreal in 1896.

† Of this quantity, 7,695 tons came down in 1896 and were transhipped to Montreal in 1897.

‡ Of this quantity, 6,550 tons came down in 1897 and were transhipped to Montreal in 1898

§ Of this quantity, 14,077 tons came down in 1898 and were transhipped to Montreal in 1899.

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal to Canadian Ports, &c.—*Concluded.*

RECAPITULATION—*Concluded.*

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports on the south side of Lake Ontario.
1900.	Tons.	Tons.	Tons.
Barley	1,288	563	1,598
Corn	109,359	9,844	44,306
Oats	8,925	348	30,840
Pease	115	.....	4
Rye	3,078	160	300
Wheat	121,896	6,610	7,541
Total grain	*244,661	17,525	84,589
Other articles	43,570	95,680	93,287
Total	288,231	113,205	177,876
1901.			
Barley	.....	.....	.....
Corn	14,319	4,828	48,609
Oats	1,584	853	25,704
Pease	.....	.....	.....
Rye	2,961	.....	.....
Wheat	132,702	8,051	9,057
Total grain	†151,566	13,732	83,370
Other articles	32,854	128,614	91,799
Total	184,420	142,346	175,169
1902.			
Barley	.....	.....	7,418
Corn	1,719	10,335	55,593
Oats	1,442	.....	9,764
Pease	.....	.....	.....
Rye	4,079	.....	.....
Wheat	200,975	12,452	8,389
Total grain	‡208,215	22,787	81,164
Other articles	42,260	32,946	179,914
Total	250,475	55,733	261,078
1903.			
Barley	2,206	1,017	11,433
Corn	116,223	13,846	80,689
Oats	2,438	.....	5,315
Pease	63	.....	22
Rye	4,260	.....	644
Wheat	226,746	14,199	13,725
Total grain	§351,936	29,062	111,828
Other articles	38,850	82,298	101,621
Total	390,786	111,360	213,449

* Of this quantity, 12,171 tons came down in 1899 and were transhipped to Montreal in 1900.
† Of this quantity, 9,324 tons came down in 1900 and were transhipped to Montreal in 1901.
‡ Of this quantity, 6,096 tons came down in 1901 and were transhipped in 1902.
§ Of this quantity, 2,890 tons came down in 1902 and were transhipped in 1903.

COMPARATIVE STATEMENT showing the Quantity of Vegetable Food and Lumber passed through the Canals during the Years ended December 31, 1902 and 1903.

	Vegetable Food.								Lumber.	Total.
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Buck-wheat.	All Other.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland Canal, 1902	22,282	225,171	67,647	7,418	11,232	4,079	.....	12,963	102,775	453,567
" 1903	25,998	259,031	210,758	14,656	7,911	4,904	.....	13,994	85,595	622,847
Increase	3,716	33,860	143,111	7,238	.....	825	.....	1,031	.....	169,280
Decrease	.....	.....	.....	.....	3,321	.....	.....	.....	17,180	.....
St. Lawrence Canals, 1902	22,599	444,261	24,366	8,255	22,840	19,738	920	4,812	27,506	575,297
" 1903	17,762	204,363	125,701	7,095	17,033	8,693	802	10,081	43,843	435,373
Increase	.....	.....	101,335	.....	.....	.....	.....	5,269	16,337	.....
Decrease	4,837	239,898	.....	1,160	5,807	11,045	118	.....	.....	139,924
Chambly Canal, 1902	793	.....	1	.....	998	.....	.....	749	26,750	29,291
" 1903	955	.....	17	.....	1,317	.....	.....	718	29,906	32,913
Increase	162	.....	16	.....	319	.....	.....	.....	3,156	3,622
Decrease	.....	.....	.....	.....	.....	.....	.....	31	.....	.....
Ottawa Canals, 1902	8	.....	.....	.....	565	.....	20	265	286,463	287,321
" 1903	78	.....	.....	.....	935	.....	7	545	332,963	334,528
Increase	70	.....	.....	.....	370	.....	.....	280	46,500	47,207
Decrease	.....	.....	.....	.....	.....	.....	13	.....	.....	.....
Rideau Canal, 1902	487	1,041	22	122	541	28	7	98	14,194	16,540
" 1903	538	868	111	40	934	.....	2	264	17,833	20,590
Increase	51	.....	89	.....	393	.....	.....	166	3,639	4,050
Decrease	.....	173	.....	82	.....	28	5	.....	.....	.....

St. Peter's Canal, 1902	1,473	.....	.....	13	2,135	.....	.....	4,787	13,671	22,079
" 1903	2,234	.....	273	16	2,996	.....	2	7,014	17,639	30,174
Increase	761	.....	273	3	861	.....	2	2,227	3,968	8,095
Decrease	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trent Valley Canals, 1902	.....	1,661	.....	.....	.....	.....	.....	6	5,504	7,171
" 1903	.....	1,226	.....	.....	.....	.....	.....	298	4,459	5,983
Increase	.....	.....	.....	.....	.....	.....	.....	292	.....	.....
Decrease	.....	435	.....	.....	.....	.....	.....	.....	1,045	1,188
Murray Canal, 1902	154	684	8	1,328	159	1,164	.....	742	1,180	5,419
" 1903	73	782	8	1,004	206	350	92	1,684	3,041	7,240
Increase	.....	98	.....	.....	47	.....	92	942	1,861	1,821
Decrease	81	.....	.....	324	.....	814	.....	.....	.....	.....
Sault Ste. Marie Canal, 1902	316,063	837,375	630	21,001	9,689	2,128	.....	15,988	81,822	1,284,696
" " 1903	312,210	967,018	1,260	28,192	35,289	2,725	1,248	17,609	51,044	1,416,595
Increase	.....	129,643	630	7,191	25,600	597	1,248	1,621	.....	131,899
Decrease	3,853	.....	.....	.....	.....	.....	.....	.....	30,778	.....
Total increase	.....	.....	245,454	12,866	18,462	.....	1,206	11,797	26,458	224,862
Total decrease	4,011	76,905	.....	.....	.....	10,465	.....	.....	.....	.....

Total for year 1902 2,681,381
" 1903 2,906,243

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

CANAL

COMPARATIVE STATEMENT for

——	January.	February.	March.	April.	May.
	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.
Welland Canal, 1902				4,160 24	15,558 65
" 1903			0 42	8,012 23	20,769 75
Increase			0 42	3,851 99	5,211 10
Decrease					
St. Lawrence Canals, 1902	12 50			594 89	12,224 01
" " 1903	8 50		25 00	526 14	16,907 34
Increase			25 00		4,683 33
Decrease	4 00			68 75	
Chambly Canal, 1902				33 29	3,516 26
" 1903				30 27	2,984 25
Increase					
Decrease				3 02	532 01
Ottawa Canals, 1902				132 40	4,941 76
" 1903	75 00			17 60	5,002 99
Increase	75 00				61 23
Decrease				114 80	
Rideau Canal, 1902				47 64	693 53
" 1903					566 96
Increase					
Decrease				47 64	126 57
St. Peter's Canal, 1902	40 56		2 55	222 56	336 41
" 1903	28 34			129 17	303 74
Increase	12 22		2 55		
Decrease				93 39	32 67
Trent Valley Canal, 1902				27 58	72 43
" 1903				20 71	130 22
Increase					57 79
Decrease				6 87	
Murray Canal, 1902				46 01	89 10
" 1903				22 48	107 17
Increase					18 07
Decrease				23 53	
Sault Ste. Marie Canal, 1902					
" " 1903					
Increase					
Decrease					
Total increase	58 78		22 87	3,493 97	9,340 29
Total decrease					

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

SESSIONAL PAPER No. 20

REVENUE.

Years ended December 31, 1902 and 1903.

June.	July.	August.	September.	October.	November.	December.	Total.
$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.
12,183 06	15,152 28	13,341 38	11,364 73	15,853 37	9,322 57	1,905 82	98,842 10
21,919 34	17,827 43	17,115 53	15,702 06	22,063 51	12,704 40	1,082 64	137,197 31
9,736 28	2,675 15	3,774 15	4,337 33	6,210 14	3,381 83	.....	38,355 21
.....	.....	.....	.....	.....	.....	823 18	.....
8,144 93	9,023 29	10,329 63	10,819 85	8,582 88	11,034 66	820 38	71,587 02
19,988 36	21,975 31	22,566 71	19,238 41	17,540 49	11,186 79	484 51	130,447 56
11,843 43	12,952 02	12,237 08	8,418 56	8,957 61	152 13	.....	58,860 54
.....	.....	.....	.....	.....	.....	335 87	.....
2,705 56	2,905 31	3,361 07	3,969 97	3,921 01	2,310 84	.....	22,723 31
3,916 11	5,657 21	4,470 31	3,013 24	3,168 44	1,532 41	.....	24,772 24
1,210 55	2,751 90	1,109 24	.....	.....	.....	.....	2,048 93
.....	.....	.....	956 73	752 57	778 43	.....	.....
3,538 87	4,068 87	3,809 81	3,957 62	2,663 02	1,750 02	.....	24,862 37
5,626 00	4,802 80	4,572 66	3,813 03	3,384 14	2,235 99	.....	29,530 21
2,087 13	733 93	762 85	.....	721 12	485 97	.....	4,667 84
.....	.....	.....	144 59	.....	.....	.....	.....
621 16	738 67	585 14	385 89	509 21	456 47	.....	4,037 71
737 13	1,007 89	748 73	785 09	753 02	566 33	15 00	5,180 15
115 97	269 22	163 59	399 20	243 81	109 86	15 00	1,142 44
.....	.....	.....	.....	.....	.....	.....	.....
354 54	451 35	444 98	393 95	338 71	266 37	182 16	3,034 14
391 42	502 73	582 99	364 09	392 02	330 04	276 80	3,301 34
36 88	51 38	138 01	.....	53 31	63 67	94 64	267 20
.....	.....	.....	29 86	.....	.....	.....	.....
205 56	284 68	289 35	207 26	172 39	106 23	5 00	1,370 48
227 76	294 38	316 53	253 77	203 90	85 80	.....	1,533 07
22 20	9 70	27 18	46 51	31 51	.....	.....	162 59
.....	.....	.....	.....	.....	20 43	5 00	.....
110 68	182 59	202 58	168 46	162 64	101 51	7 23	1,070 80
120 90	219 09	254 81	147 43	185 85	77 25	.....	1,134 98
10 22	36 50	52 23	.....	23 21	.....	.....	64 18
.....	.....	.....	21 03	.....	24 26	7 23	.....
50	.....	.....	.....	.....	.....	.....	50 00
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	50 00
25,012 66	19,479 80	18,264 33	12,049 39	15,488 14	3,370 34	.....	105,518 93
.....	.....	.....	.....	.....	.....	1,061 64	.....

Total revenue for 1902 ..... $227,577 93
" " 1903 ..... 333,096 86

RICHARD DEVLIN, *Compiler of Canal Statistics.*

APPENDIX A.

No. (A) 1.—GENERAL STATEMENT showing the Quantity of each Article transported on the Welland Canal and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Ashes, pot and pearl								14		14	14		2 80	2 80
Apples														
Agricultural products not enumerated, vegetables						1				1	1		0 20	0 20
Agricultural products not enumerated, animal			1						1		1	0 15		0 15
Agricultural implements								46		46	46		9 20	9 20
Barley		3,223				11,433				14,656	14,656		1,465 60	1,465 60
Bricks	200								200		200	23 68		23 68
Bones														
Brimstone														
Buckwheat														
Cement and water lime	1								1		1	0 15		0 15
Clay, lime and sand	325	460	11					1,567	336	2,027	2,363	19 00	149 03	168 03
Coal	3				113,076		4,796	30,009	117,875	30,009	147,884	23,575 00	6,001 80	29,576 80
Corn						108,917		101,841		210,758	210,758		21,075 80	21,075 80
Cattle														
Cotton (raw)														
Crockery and earthenware	96		62		1				159		159	23 85		23 85
Dye wood and dye stuffs														
Fish					36				36		36	5 40		5 40
Flax and hemp		5			1,900				1,900	5	1,905	285 00	0 50	285 50
Flour	21	3,936				6,082		15,959	21	25,977	25,998	0 40	4,540 23	4,540 63
Furniture								13		13	13		2 60	2 60
Gypsum														
Glass (all kinds)	20		20					15	40	15	55	6 00	3 00	9 00
Hay (pressed)														
Hogs														
Horses						2				2	2		0 40	0 40
Hides and skins, horns and hoofs														
Ice			1,080						1,080		1,080	33 13		33 13
Iron, railway	14	15			459				473	15	488	70 95	3 00	73 95

" pig	177								177		177	26 55		26 55
" all other	1,716	5	59					3,450	1,775	3,455	5,230	251 55	646 41	897 96
" ore		1,555						16,768		18,323	18,323		916 15	916 15
Kryolite chemical ore and other ore, except iron														
Lard and lard oil	2		17						9		9	1 35		1 35
Meal, all kinds	12	348			13,546			3	12	13,897	13,909	1 80	2,779 40	2,781 20
Meats, other than pork	1								1		1	0 15		0 15
Marble					1,460				1,460		1,460	219 00		219 00
Manilla														
Molasses	66													
Nails	945		90					256	66	256	322	9 90	51 20	61 10
Oats		1,119			6,112			19	1,035	19	1,054	155 25	3 80	159 05
Oil (in barrels)	46	2,513			325	2,000		680		7,911	7,911		802 96	802 96
Oil cake						740		12,624	371	17,137	17,508	55 65	3,427 40	3,483 05
Pease						22		1,254		1,994	1,994		398 80	398 80
Potatoes								63		85	85		8 50	8 50
Pork	5		2			152			7	152	159	1 05	30 40	31 45
Paint	47							5	47	5	52	7 05	1 00	8 05
Pitch and tar														
Rags						4				4	4		0 80	0 80
Rye						4,174		730		4,904	4,904		490 40	490 40
Flax seed		724				1,594		1,325		3,643	3,643		364 30	364 30
Rosin								20		20	20		4 00	4 00
Salt	90	180						2,284	90	2,464	2,554	1 70	477 30	479 00
Stone intended for cutting														
" wrought														
" not suitable for cutting, unwrought	1,356								1,356		1,356	50 64		50 64
Seeds, all kinds	2				31	27			33	27	60	4 95	5 40	10 35
Sheep														
Soda ash	1				31				32		32	4 80		4 80
Steel	122				627			5	749	5	754	99 23	1 00	100 23
Sugar	28		66		1,341				1,435		1,435	215 25		215 25
Spirits, beer, &c	283		119			3		2	402	5	407	60 30	1 00	61 30
Tobacco (raw)														
Tallow					88			18	88	18	106	13 20	3 60	16 80
Tin														
Turpentine														
Wheat	1,658	163,768		1,890	3	15,436		76,276	1,661	257,370	259,031	31 55	25,939 46	25,971 01
White lead														
Whiting														
Wool						482				482	482		96 40	96 40
All other goods and merchandise not enumerated	1,586	735	345		29,525	2,010		442	31,456	3,187	34,643	4,707 89	554 12	5,262 01
Bark														
Barrels, empty														
Boat knees														
Floats														
Firewood, in vessels		3,471		234						3,705	3,705		178 99	178 99
" rafts														

No. (A) 1.—GENERAL STATEMENT showing the Quantity of each Article transported on the Welland Canal, &c.—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Hoops														
Hop poles									3					
Lumber, sawn, in vessels		3,870	3,501	28,226	248	48,337		1,410	3,749	81,843	85,592	674 53	14,578 62	15,253 15
" rafts	3								3		3	0 45		0 45
Masts, spars and telegraph poles, in vessels		7								7	7		0 50	0 50
" " rafts														
Railway ties, in vessels	688								688		688			
" rafts												85 00		85 00
Saw-logs	424	1,144	143						567	1,144	1,711			
Staves and headings, barrel												21 00	61 62	82 62
" " pipe														
" " W. India														
Staves, salt barrel														
Shingles		54								54	54		38 46	38 46
Split posts and fence rails, in vessels														
" " rafts														
Timber, square, in vessels		2,520						23,804		26,324	26,324		3,948 60	3,948 60
" rafts														
Traverses														
Woodenware and wood partly mnufactured														
Total freight heretofore paying tolls, now free	9,938	189,652	5,506	30,350	149,151	221,074	4,796	290,902	169,391	731,978	901,369	30,742 50	89,064 75	119,807 25
Articles having paid full tolls on the St. Lawrence Canals, free:—														
Bricks	26		54						80		80			
Brimstone	3		20						23		23			
Cement and water lime	3,809		115						3,924		3,924			
Clay, lime and sand	177		4					300	181	300	481			
Coal								401		401	401			
Fish			8						8		8			
Iron, railway	39,641								39,641		39,641			
" pig	105		168						273		273			

" all other	3,791		2,054						5,845		5,845
Steel	332								332		332
Salt	87								87		87
Cotton, raw	23								23		23
Meals all kinds	17								17		17
Seeds, all other	106		219						325		325
Tobacco, raw	2								2		2
Hides and skins			6						6		6
Meats, other than pork			1						1		1
Ashes			2						2		2
Crockery and earthenware	32								32		32
Furniture	1								1		1
Glass, all kinds	169		1,038						1,207		1,207
Molasses	5		1						6		6
Nails	2,694		184						2,878		2,878
Oils	7		9						16		16
Paints	153		5						158		158
Pitch and tar	41		17						58		58
Rags	11		18						29		29
Resin	1								1		1
Soda ash	43		221						264		264
Sugar	68		136						204		204
Stone, unwrought		150								150	150
Tin	28		181						209		209
Turpentine	1								1		1
White lead	52		28						80		80
Whiting	12		10						22		22
Whisky, &c	99		353						452		452
All other goods and merchandise not enumerated	2,906		768						3,674		3,674
Firewood in vessels			40,026						40,026		40,026
Railway ties in vessels			611						611		611
Grand total freight	64,380	189,802	51,763	30,350	149,151	221,074	4,796	291,603	270,090	732,829	1,002,919

Total tolls on vessels	8,296 51	8,594 09	16,890 60
" passengers	67 82	77 22	145 04
" free goods	$11,845 56		
Total tolls	39,106 83	97,736 06	136,842 89
Fines			7 00
Damages			50 58
Harbour dues			303 60
Winterage			1 20
Other receipts			42 80
Total revenue, exclusive of hydraulic rents			137,247 89

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A.

No. (A) 2.—GENERAL STATEMENT showing the Quantity of each Article of Through Freight transported on the Welland Canal and the Amount of Tolls, heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.	Amount of Tolls.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		Up.	Down.	
												$ cts.	$ cts.	$ cts.
Ashes, pot and pearl								14		14	14		2 80	2 80
Apples														
Agricultural products, not enumerated, vegetables						1				1	1		0 20	0 20
Agricultural products, not enumerated, animals			1						1		1	0 15		0 15
Agricultural implements								46		46	46		9 20	9 20
Barley		3,223				11,433				14,656	14,656		1,465 60	1,465 60
Bricks	30								30		30	4 50		4 50
Bones														
Brimstone														
Buckwheat														
Cement and water lime	1								1		1	0 15		0 15
Clay, lime and sand	50		11						61		61	9 15		9 15
Coal	3				113,076		4,796	30,009	117,875	30,009	147,884	23,575 00	6,001 80	29,576 80
Corn						108,917		101,841		210,758	210,758		21,075 80	21,075 80
Cattle														
Cotton (raw)									159		159	23 85		23 85
Crockery and earthenware	96		62		1									
Dye wood and dye stuffs									36		36	5 40		5 40
Fish					36				1,900	5	1,905	285 00	0 50	285 50
Flax and hemp		5			1,900					22,233	22,233		4,446 60	4,446 60
Flour		192				6,082		15,959		13	13		2 60	2 60
Furniture								13						
Gypsum														
Glass (all kinds)	20		20					15	40	15	55	6 00	3 00	9 00
Hay (pressed)														
Hogs										2	2		0 40	0 40
Horses						2								
Hides and skins, horns and hoofs														
Ice														
Iron, railway	14	15			459				473	15	488	70 95	3 00	73 95

" pig	177								177		177	26 55			26 55
" all other	1,604	5	59					3,093	1,663	3,098	4,761	249 45	619 60		869 05
Iron ore		1,555						16,768		18,323	18,323		916 15		916 15
Kryolite chemical ore and other ore, except iron															
Lard and lard oil	2		7						9		9	1 35			1 35
Meal, all kinds	12	348				13,546		3	12	13,897	13,909	1 80	2,779 40		2,781 20
Meats, other than pork	1								1		1	0 15			0 15
Marble					1,460				1,460		1,460	219 00			219 00
Manilla															
Molasses	66							256	66	256	322	9 90	51 20		61 10
Nails	945		90					19	1,035	19	1,054	155 25	3 80		159 05
Oats		961				6,112		680		7,753	7,753		775 30		775 30
Oil (in barrels)	46	2,513			325	2,000		12,624	371	17,137	17,508	55 65	3,427 40		3,483 05
Oil cake						740		1,254		1,994	1,994		398 80		398 80
Pease						22		63		85	85		8 50		8 50
Potatoes															
Pork	5		2			152			7	152	159	1 05	30 40		31 45
Paint	47							5	47	5	52	7 05	1 00		8 05
Pitch and tar															
Rags						4				4	4		0 80		0 80
Rye						4,174		730		4,904	4,904		490 40		490 40
Flax seed		724				1,594		1,325		3,643	3,643		364 30		364 30
Resin								20		20	20		4 00		4 00
Salt		90						2,284		2,374	2,374		474 80		474 80
Stone intended for cutting															
" wrought															
" not suitable for cutting, unwrought															
Seeds, all kinds	2				31	27			33	27	60	4 95	5 40		10 35
Sheep															
Soda ash	1				31				32		32	4 80			4 80
Steel	22				627			5	649	5	654	97 35	1 00		98 35
Sugar	28		66		1,341				1,435		1,435	215 25			215 25
Spirits, beer, &c	283		119			3		2	402	5	407	60 30	1 00		61 30
Tobacco (raw)															
Tallow					88			18	88	18	106	13 20	3 60		16 80
Tin															
Turpentine															
Wheat		161,068		1,890	3	15,436		76,276	3	254,670	254,673	0 45	25,467 00		25,467 45
White lead															
Whiting															
Wool						482				482	482		96 40		96 40
All other goods and merchandise not enumerated	1.463	259	345		29,525	2,010		442	31,333	2,711	34,044	4,699 95	542 20		5,242 15
Bark															
Barrels, empty															
Boat knees															
Floats															
Firewood in vessels		210		9						219	219		14 60		14 60

No. (A) 2.—GENERAL STATEMENT showing the Quantity of each through Article transported on the Welland Canal, &c.—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Fire wood, in rafts.														
Hoops														
Hop poles														
Lumber, sawn, in vessels.		1,676	3,501	28,226	248	48,337		1,410	3,749	79,649	83,398	674 53	14,331 91	15,006 44
" " in rafts.														
Masts, spars and telegraph poles, in vessels														
Masts, spars and telegraph poles in rafts														
Railway ties, in vessels	375								375		375	60 00		60 00
" in rafts														
Saw logs.														
Staves and heading, barrel														
" " pipe.														
" " W. India														
Staves, salt barrel														
Shingles		54								54	54		38 46	38 46
Split posts and fence rails, in vessels														
Split posts and fence rails, in rafts														
Timber, square, in vessels.		2,520						23,804		26,324	26,324		3,948 60	3,948 60
" in rafts														
Traverses														
Woodenware and wood partly manufactured														
Total freight paying tolls.	5,293	175,418	4,283	30,125	149,151	221,074	4,796	288,978	163,523	715,595	879,118	30,538 13	87,807 52	118,345 65
Articles having paid full tolls on the St. Lawrence Canals, free :—														
Bricks	26		54						80		80			
Brimstone	3		20						23		23			
Cement and water lime.	3,809		115						3,924		3,924			

Clay, lime and sand	177		4						181		181			
Fish			8						8		8			
Iron, railway	39,641								39,641		39,641			
" pig	105		168						273		273			
" all other	3,791		2,054						5,845		5,845			
Steel	332								332		332			
Salt	87								87		87			
Cotton, raw	23								23		23			
Meals, all kinds	17								17		17			
Seeds, all other	106		219						325		325			
Tobacco, raw	2								2		2			
Hides and skins			6						6		6			
Meats, other than pork			1						1		1			
Ashes, pot and pearl			2						2		2			
Crockery and earthenware	32								32		32			
Furniture	1								1		1			
Glass, all kinds	169		1,038						1,207		1,207			
Molasses	5		1						6		6			
Nails	2,694		184						2,878		2,878			
Oils	7		9						16		16			
Paint	153		5						158		158			
Pitch and tar	41		17						58		58			
Rags	11		18						29		29			
Resin	1								1		1			
Soda, ash	43		221						264		264			
Sugar	68		136						204		204			
Tin	28		181						209		209			
Turpentine	1								1		1			
White lead	52		28						80		80			
Whiting	12		10						22		22			
Whisky, &c	99		353						452		452			
All other goods and merchandise not enumerated	2,906		768						3,674		3,674			
Firewood, in vessels			40,026						40,026		40,026			
Railway ties, in vessels			611						611		611			
Grand total through freight	59,735	175,418	50,540	30,125	149,151	221,074	4,796	288,978	264,222	715,595	979,817			
Total tolls on vessels												8,122 35	8,167 81	6,1290 61
" passengers												67 75	77 15	144 90
" Free goods											11,775 46			
Total through tolls												38,728 23	96,052 48	134,780 71

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 3.—GENERAL STATEMENT showing the Quantity of each Article of Way Freight transported on the Welland Canal and the Amount of Tolls heretofore collected, now free, during the season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Ashes, pot and pearl														
Apples														
Agricultural products not enumerated, vegetables.														
Agricultural products not enumerated, animal														
Agricultural implements														
Barley.														
Bricks	170								170		170	19 18		19 18
Bones														
Brimstone														
Buckwheat														
Cement and water lime														
Clay, lime and sand	275	460						1,567	275	2,027	2,302	9 85	149 03	158 88
Coal														
Corn														
Cattle														
Cotton (raw)														
Crockery and earthenware														
Dye wood and dye stuffs														
Fish														
Flax and hemp														
Flour	21	3,744							21	3,744	3,765	0 40	93 63	94 03
Furniture														
Gypsum														
Glass (all kinds)														
Hay (pressed)														
Hogs														
Horses														

Hides and skins, horns and hoofs									1,080		1,080	33 13			33 13
Ice			1,080												
Iron, railway															
" pig								357	112	357	469	2 10	26 81		28 91
" all other	112														
Iron ore															
Kryolite chemical ore and other ore, except iron															
Lard and lard oil															
Meal, all kinds															
Meats, other than pork															
Marble															
Manilla															
Molasses															
Nails															
Oats		158								158	158		27 66		27 66
Oil (in barrels)															
Oil cake															
Pease															
Potatoes															
Pork															
Paint															
Pitch and tar															
Rags															
Rye															
Flaxseed															
Resin															
Salt	90	90							90	90	180	1 70	2 50		4 20
Stone intended for cutting															
" wrought															
" not suitable for cutting, unwrought	1,356								1,356		1,356	50 64			50 64
Seeds, all kinds															
Sheep															
Soda ash															
Steel	100								100		100	1 88			1 88
Sugar															
Spirits, beer, &c															
Tobacco (raw)															
Tallow															
Tin															
Turpentine															
Wheat	1,658	2,700							1,658	2,700	4,358	31 10	472 46		503 56
White lead															
Whiting															
Wool															
All other goods and merchandise not enumerated	123	476							123	476	599	7 94	11 92		19 86
Bark															

No. (A) 3—GENERAL STATEMENT showing the Quantity of each Article of Way Freight transported on the Welland Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls Up.	Amount of Tolls Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Barrels empty														
Boat knees														
Floats														
Firewood, in vessels		3,261		225						3,486	3,486		164 39	164 39
" rafts														
Hoops														
Hop poles														
Lumber, sawn, in vessels		2,194								2,194	2,194		246 71	246 71
" " rafts	3								3		3	0 45		0 45
Masts, spars and telegraph poles, in vessels		7								7	7		0 50	0 50
Masts, spars and telegraph poles, in rafts														
Railway ties, in vessels	313								313		313	25 00		25 00
" rafts														
Saw logs	424	1,144	143						567	1,144	1,711	21 00	61 62	82 62
Staves and headings, barrel														
" " pipe														
" " W. India														
Staves, salt barrel														
Shingles														
Split posts and fence rails, in vessels														
Split posts and fence rails, in rafts														
Timber, square, in vessels														
" " rafts														
Traverses														
Woodenware and wood partly manufactured														
Total freight paying tolls	4,645	14,234	1,223	225				1,924	5,868	16,383	22,251	204 37	1,257 23	1,461 60

Free articles for canal construction, O.C., 1884—														
Clay, lime and sand								300		300	300			
Coal								401		401	401			
Stone, unwrought		150								150	150			
Grand total, freight..	4,645	14,384	1,223	225				2,625	5,868	17,234	23,102			
Total tolls on vessels												174 16	426 28	600 44
" passengers												0 07	0 07	0 14
" free goods, $70.10														
Total way tolls												378 60	1,683 58	2,062 18

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA. May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 4.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Lawrence Canals and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports		From United States to United States Ports.		From United States to Canadian Ports		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												cts.	$ cts.	$ cts.
Ashes, pot and pearl	163	12	2						165	12	177	42 59	2 40	44 99
Apples	57	7,870			65				122	7,870	7,992	7 86	1,092 99	1,100 85
Agricultural products not enumerated—														
Vegetable	218	2,141							218	2,141	2,359	25 51	317 85	343 36
Animal	1,857	3,375			2				1,859	3,375	5,234	80 52	480 89	561 41
Agricultural implements	115	68							115	68	183	14 75	4 55	19 30
Barley		7,095								7,095	7,095		555 75	555 75
Bricks	7,997	64	184				126		8,307	64	8,371	497 81	2 42	500 23
Bones		394								394	394		52 72	52 72
Brimstone	1,966	17	31						1,997	17	2,014	202 88	1 21	204 09
Buckwheat		802								802	802		56 69	56 69
Cement and water lime	8,140	422	467						8,607	422	9,029	1,129 59	17 21	1,146 80
Clay, lime and sand	22,218	28,122	4				3,513		25,735	28,122	53,857	1,045 51	1,318 89	2,364 40
Coal	55	78,007				4,784		233,577	55	316,368	316,423	6 19	44,967 38	44,973 49
Corn	4,157	115,674						5,870	4,157	121,544	125,701	508 69	3,498 69	4,007 38
Cattle	59	364							59	364	423	2 63	25 82	28 45
Cotton (raw)	23	2							23	2	25	3 45	0 13	3 58
Crockery and earthenware	242	188							242	188	430	41 81	36 85	78 66
Dye wood and dye stuffs	48	14					6		54	14	68	5 34	2 40	7 74
Fish	122	8	15						137	8	145	14 06	0 32	14 38
Flax and hemp	43	6	34						77	6	83	11 55	0 90	12 45
Flour	1,523	16,239							1,523	16,239	17,762	111 71	1,246 87	1,358 58
Furniture	513	1,443	10						523	1,443	1,966	89 91	229 15	319 06
Gypsum	1,123								1,123		1,123	14 11		14 11
Glass (all kinds)	1,349	165	1,325						2,674	165	2,839	527 18	27 30	554 48
Hay (pressed)	5,055	2,379							5,055	2,379	7,434	189 87	157 13	347 00
Hogs	12	17							12	17	29	0 48	0 96	1 44
Horses	405	801			11				416	801	1,217	20 11	49 88	69 99

Hides and skins, horns and hoofs	30	43							30	43	73	2 71	2 10	4 81
Ice														
Iron, railway	43,009	468							43,009	468	43,477	6,435 81	41 86	6,477 67
" pig	3,462		302				672		4,436		4,436	563 79		563 79
" all other	32,197	1,637	2,097					185	34,294	1,822	36,116	2,758 43	148 14	2,906 57
" ore														
Kryolite chemical ore and other ore, except iron		464								464	464		23 20	23 20
Lard and lard oil	89	416							89	416	505	10 99	58 18	69 17
Meal, all kinds	108	475			12				120	475	595	10 91	32 04	42 95
Meats, other than pork	45	44							45	44	89	4 88	4 60	9 48
Marble	5	2							5	2	7	0 30	0 40	0 70
Manilla	36	12	29						65	12	77	12 37	2 40	14 77
Molasses	400	134	2				124		526	134	660	65 36	6 70	72 06
Nails	4,310	607	131						4,441	607	5,0	870 69	42 80	913 49
Oats	93	16,939			1				94	16,939	17,0 3	4 83	1,027 53	1,032 36
Oil (in barrels)	925	1,424	125				6		1,056	1,424	2,4 0	187 95	228 85	416 80
Oil cake	16	9,425							16	9,425	9,441	1 57	472 03	473 60
Pease	9	1,337							9	1,337	1,346	0 68	104 17	104 85
Potatoes	70	78							70	78	148	3 71	6 04	9 75
Pork	295	588							295	588	883	26 89	38 70	65 59
Paint	1,054	348	36				81		1,171	348	1,519	215 10	57 60	272 70
Pitch and tar	256	32	39				147		442	32	474	54 57	2 95	57 52
Rags	385	78	33				141		559	78	637	62 40	12 00	74 40
Rye		8,072						621		8,693	8,693		392 04	392 04
Flax seed	12	6,747							12	6,747	6,759	1 35	168 70	170 05
Resin	302	21	2				1,606		1,910	21	1,931	105 29	1 05	106 34
Salt	4,528	543					336		4,864	543	5,407	534 52	26 24	560 76
Stone intended for cutting	17	155							17	155	172	1 51	5 82	7 33
" wrought	80	3							80	3	83	5 12	0 60	5 72
" not suitable for cutting, unwrought		9,867								9,867	9,867		201 15	201 15
Seeds, all kinds	6,004	98	209						6,213	98	6,311	293 24	10 50	303 74
Sheep	23	78							23	78	101	0 96	5 96	6 92
Soda ash	703	7	658						1,361	7	1,368	270 68	0 65	271 33
Steel	5,716	38	33						5,749	38	5,787	403 51	5 48	408 99
Sugar	2,210	321	227				56		2,493	321	2,814	448 59	28 95	477 54
Spirits, beer, &c	1,560	563	332					19	1,892	582	2,474	273 12	89 10	362 22
Tobacco (raw)	37	7							37	7	44	4 88	0 39	5 27
Tallow		2								2	2		0 30	0 30
Tin	527	56	278						805	56	861	150 50	10 90	161 40
Turpentine	29	2					42		71	2	73	7 44	0 10	7 54
Wheat	483	201,952						1,928	483	203,880	204,363	54 23	6,864 68	6,918 91
White lead	266	34	55						321	34	355	60 75	5 45	66 20
Whiting	530	1	304						834	1	835	166 50	0 05	166 55
Wool	5		15						20		20	2 85		2 85
All other goods and merchandise, not enumerated	17,398	10,533	1,547		247	810	2,733	92	21,925	11,435	33,360	3,259 86	1,633 75	4,893 61
Bark														

No. (A) 4.—General Statement showing the Quantity of each Article transported on the St. Lawrence Canals, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States. to United States. Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Barrels, empty	1,269	70							1,269	70	1,339	156 12	5 49	161 61
Boat knees														
Floats														
Firewood, in vessels	12,540	2,302	105,615						118,155	2,302	120,457	7,501 70	59 34	7,561 04
" rafts														
Hoops														
Hop poles	2								2		2	0 10		0 10
Lumber sawn, in vessels	33,384	8,543	415			67	278		34,077	8,610	42,687	955 51	284 58	1,240 09
" " rafts		1,156								1,156	1,156		35 22	35 22
Masts, spars, and telegraph poles, in vessels														
Masts, spars, and telegraph poles, in rafts		20,518								20,518	20,518		512 95	512 95
Railway ties, in vessels														
" rafts			611						611		611	48 88		48 88
Sawlogs														
Staves and headings, barrel		81								81	81		14 42	14 42
" " pipe														
" " West India														
Staves, salt barrel														
Shingles	4	70							4	70	74	0 75	14 53	15 28
Split posts and fence rails, in vessels		10								10	10		1 00	1 00
Split posts and fence rails, in rafts														
Timber, square, in vessels		200						660		860	860		35 50	35 50
" " rafts		3,117	2,240						2,240	3,117	5,357	56 00	79 26	135 26
Traverses														
Woodenware and wood partly manufactured	40	5							40	5	45	15 20	1 00	16 20
Total, freight paying tolls	231,923	575,412	117,407		338	5,661	9,867	242,952	359,535	825,025	1,183,560	30,667 21	66,954 71	97,621 92

Articles having passed down the full length of Welland Canal (Free).												
Agricultural implements								58		58	58	
Ashes								2		2	2	
Barley		2,206								2,206	2,206	
Corn		64,668						59,196		123,684	123,684	
Flax-seed		2,318						1,325		3,643	3,643	
Flour		101						16,050		16,151	16,151	
Furniture								3		3	3	
Glass								15		15	15	
Iron (all other)		20						2,522		2,542	2,542	
Meal		348								348	348	
Merchandise		259						323		582	582	
Molasses								240		240	240	
Nails								19		19	19	
Oats		1,646						792		2,438	2,438	
Oil cake								462		462	462	
Oils		2,513						12,106		14,619	14,619	
Paint								5		5	5	
Pease								63		63	63	
Rags								4		4	4	
Resin								20		20	20	
Rye		730						3,530		4,260	4,260	
Salt								132		132	132	
Tallow								3		3	3	
Wheat		201,812						24,934		226,746	226,746	
Whisky								2		2	2	
Coal, free per O. C	90,928	157					8,134		99,062	157	99,219	
Grand total, freight	322,851	852,190	117,407		338	5,661	18,001	364,758	458,597	1,222,609	1,681,206	

Total tolls on vessels	10,998 15	9,306 78	20,304 93
" " passengers	1,795 59	3,467 03	5,262 62
" " free goods $48,618 93			
Total, tolls	43,460 95	78,728 52	123,189 47
Fines			70 00
* Damages			
Wharfage and storage			2,373 11
Other receipts			4,814 98
Total revenue, exclusive of hydraulic rents			130,447 56

* Amount of damages not included in above, $983.67.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 5.—GENERAL STATEMENT showing the Quantity of each Article of Through Freight transported on the St. Lawrence Canals, and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Ashes, pot and pearl	38	12	2						40	12	52	8 00	2 40	10 40
Apples		6,977								6,977	6,977		1,046 60	1,046 60
Agricultural products not enumerated, vegetable	105	2,068							105	2,068	2,173	15 75	310 20	325 95
Agricultural products not enumerated, animal		3,075								3,075	3,075		461 25	461 25
Agricultural implements		7								7	7		1 40	1 40
Barley		5,043								5,043	5,043		504 30	504 30
Bricks	1,174		184						1,358		1,358	203 70		203 70
Bones														
Brimstone	29		31						60		60	9 00		9 00
Buckwheat		488								488	488		48 80	48 80
Cement and water lime	6,033	5	467						6,500	5	6,505	975 00	0 75	975 75
Clay, lime and sand	344	210	4						348	210	558	52 20	31 50	83 70
Coal		72,469						218,079		290,548	290,548		43,555 73	43,555 73
Corn	2,984	1,866						3,353	2,984	5,219	8,203	447 60	521 90	969 50
Cattle														
Cotton, raw	23								23		23	3 45		3 45
Crockery and earthenware	97	183							97	183	280	19 40	36 60	56 00
Dye wood and dye stuffs	12	10							12	10	22	2 40	2 40	4 40
Fish	5		15						20		20	3 00		3 00
Flax and hemp	43	6	34						77	6	83	11 55	0 90	12 45
Flour	51	4,595							51	4,595	4,646	7 65	689 25	696 90
Furniture	303	1,018	10						313	1,018	1,331	62 60	203 60	266 20
Gypsum														
Glass, all kinds	1,118	121	1,325						2,443	121	2,564	488 60	24 20	512 80
Hay, pressed														
Hogs														
Horses		81								81	81		12 15	12 15

Hides and skins, horns and hoofs	8	3							8	3	11	1 20	0 45	1 65	
Ice															
Iron, railway	42,806	164							42,806	164	42,970	6,420 90	24 60	6,445 50	
" pig	2,940		302						3,242		3,242	486 30		486 30	
" all other	9,326	457	2,097					185	11,423	642	12,065	1,713 45	96 30	1,809 75	
" ore															
Kryolite chemical ore and other ore, except iron		464								464	464		23 20	23 20	
Lard and lard oil	43	376							43	376	419	6 45	56 40	62 85	
Meal, all kinds	40	104							40	104	144	6 00	15 60	21 60	
Meats, other than pork	13	19							13	19	32	1 95	2 85	4 80	
Marble		2								2	2		0 40	0 40	
Manilla		12	29						29	12	41	5 80	2 40	8 20	
Molasses			2						2		2	0 40		0 40	
Nails	3,916	83	131						4,047	83	4,130	809 40	16 60	826 00	
Oats		7,822								7,822	7,822		782 20	782 20	
Oil, in barrels	541	1,020	125						666	1,020	1,686	133 20	204 00	337 20	
Oil cake		8								8	8		1 20	1 20	
Pease		929								929	929		93 65	93 65	
Potatoes		3								3	3		0 45	0 45	
Pork		88								88	88		13 20	13 20	
Paint	910	262	36						946	262	1,208	189 20	52 40	241 60	
Pitch and tar	133	9	39						172	9	181	34 40	1 80	36 20	
Rags	89	47	33						122	47	169	24 40	9 40	33 80	
Rye		1,708						621		2,329	2,329		232 90	232 90	
Flax seed	6								6		6	0 90		0 90	
Resin	61		2						63		63	12 60		12 60	
Salt	1,666	50							1,666	50	1,716	249 90	7 50	257 40	
Stone intended for cutting															
" wrought	4	3							4	3	7	0 80	0 60	1 40	
" not suitable for cutting, unwrought		64								64	64		5 10	5 10	
Seeds, all kinds	314	58	209						523	58	581	78 45	8 70	87 15	
Sheep															
Soda ash	671	2	658						1,329	2	1,331	265 80	0 40	266 20	
Steel	1,577	29	33						1,610	29	1,639	241 50	4 35	245 85	
Sugar	1,521	82	227						1,748	82	1,830	349 60	16 40	366 00	
Spirits, beer, &c	278	365	332					19	610	384	994	122 00	76 80	198 80	
Tobacco, raw	24	1							24	1	25	3 60	0 15	3 75	
Tallow		2								2	2		0 30	0 30	
Tin	369	49	278						647	49	696	129 40	9 80	139 20	
Turpentine	1								1		1	0 20		0 20	
Wheat	240	21,637						1,928	240	23,565	23,805	36 00	2,356 50	2,392 50	
White lead	115	16	55						170	16	186	34 00	3 20	37 20	
Whiting	509		304						813		813	162 60		162 60	
Wool	3		15						18		18	2 70		2 70	
All other goods and merchandise not enumerated	10,148	6,425	1,539					78	11,687	6,503	18,190	2,337 00	1,300 60	3,637 60	
Bark															

No. (A) 5.—GENERAL STATEMENT showing the Quantity of each Article of Through Freight transported on the St. Lawrence Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to Canadian Ports.		From United States to United States Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Barrels, empty	541	3							541	3	544	107 40	52	107 92
Boat knees														
Floats														
Firewood, in vessels	5,034		105,615						110,649		110,649	7,376 60		7,376 60
" " rafts														
Hoops														
Hop poles														
Lumber, sawn, in vessels	7		415						422		422	37 95		37 95
" " rafts														
Masts, spars, and telegraph poles, in vessels														
Masts, spars, and telegraph poles, in rafts														
Railway ties, in vessels														
" " rafts			611						611		611	48 88		48 88
Saw logs														
Staves and headings, barrel		70								70	70		14 00	14 00
" " pipe														
" " West India														
Staves, salt barrel														
Shingles														
Split posts and fence rails, in vessels														
Split posts and fence rails, in rafts														
Timber, square, in vessels								660		660	660		33 00	33 00
" rafts														
Traverses														
Woodenware and wood partly manufactured	36								36		36	14 40		14 40

Total freight ordinarily subject to tolls (now exempt)	96,249	140,670	115,159					224,923	211,408	365,593	577,001	23,755 23	52,921 45	76,676 68
Articles having passed down the full length of the Welland Canal, free :—														
Agricultural implements								46		46	46			
Ashes								14		14	14			
Barley		2,206								2,206	2,206			
Corn		64.402						51,821		116,223	116,223			
Flax seed		2,318						1,325		3,643	3,643			
Flour		101						16,050		16,151	16,151			
Furniture								3		3	3			
Glass								15		15	15			
Iron, all other		20						2,522		2,542	2,542			
Meal		348								348	348			
Merchandise		259						323		582	582			
Molasses								240		240	240			
Nails								19		19	19			
Oats		1,646						792		2,438	2,438			
Oil cake								462		462	462			
Oils		2,513						12,106		14,619	14,619			
Paint								5		5	5			
Pease								63		63	63			
Rags								4		4	4			
Resin								20		20	20			
Rye		730						3,530		4,260	4,260			
Salt								132		132	132			
Tallow								3		3	3			
Wheat		201,812						24,934		226,746	226,746			
Whisky								2		2	2			
Coal, free per O.C.	30								30		30			
Grand total freight	96,279	417,025	115,159					339,354	211,438	756,379	967,817			

Total tolls on vessels	6,567 32	6,718 75	13,286 07
" passengers	798 65	2,166 60	2,965 25
" free goods—$41,896·65			
Total through tolls	31,121 20	61,806 80	92,928 00

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

APPENDIX A—*Continued.*

No. (A) 6.—GENERAL STATEMENT showing the Quantity of each Article of Way Freight transported on the St. Lawrence Canals, and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1903—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Ashes, pot and pearl	125								125		125	34 59		34 59
Apples	57	893			65				122	893	1,015	7 86	46 39	54 25
Agricultural products not enumerated, vegetables	113	73							113	73	186	9 76	7 65	17 41
Agricultural products not enumerated, animal	1,857	300			2				1,859	300	2,159	80 52	19 64	100 16
Agricultural implements	115	61							115	61	176	14 75	3 15	17 90
Barley		2,052								2,052	2,052		51 45	51 45
Bricks	6,823	64					126		6,949	64	7,013	294 11	2 42	296 53
Bones		394								394	394		52 72	52 72
Brimstone	1,937	17							1,937	17	1,954	193 88	1 21	195 09
Buckwheat		314								314	314		7 89	7 89
Cement and water lime	2,107	417							2,107	417	2,524	154 59	16 46	171 05
Clay, lime and sand	21,874	27,912					3,513		25,387	27,912	53,299	993 31	1,287 39	2,280 70
Coal	55	5,538				4,784		15,198	55	25,820	25,875	6 19	1,411 57	1,417 76
Corn	1,173	113,808						2,517	1,173	116,325	117,498	61 09	2,976 79	3,037 88
Cattle	59	364							59	364	423	2 63	25 82	28 45
Cotton (raw)		2								2	2		0 13	0 13
Crockery and earthenware	145	5							145	5	150	22 41	0 25	22 66
Dye wood and dye stuffs	36	4					6		42	4	46	2 94	0 40	3 34
Fish	117	8							117	8	125	11 06	0 32	11 38
Flax and hemp														
Flour	1,472	11,644							1,472	11,644	13,116	104 06	557 62	661 68
Furniture	210	425							210	425	635	27 31	25 55	52 86
Gypsum	1,123								1,123		1,123	14 11		14 11
Glass (all kinds)	231	44							231	44	275	38 58	3 10	41 68
Hay (pressed)	5,055	2,379							5,055	2,379	7,434	189 87	157 13	347 00
Hogs	12	17							12	17	29	0 48	0 96	1 44
Horses	405	720			11				416	720	1,136	26 11	37 73	57 84

Hides and skins, horns and hoofs	22	40							22	40	62	1 51	1 65	3 16
Ice														
Iron, railway	203	304							203	304	507	14 91	17 26	32 17
" pig	522						672		1,194		1,194	77 49		77 49
" all other	22,871	1,180							22,871	1,180	24,051	1,044 98	51 84	1,096 82
" ore														
Kryolite chemical ore and other ore, except iron														
Lard and lard oil	46	40							46	40	86	4 54	1 78	6 32
Meal, all kinds	68	371			12				80	371	451	4 91	16 44	21 35
Meats, other than pork	32	25							32	25	57	2 93	1 75	4 68
Marble	5								5		5	0 30		0 30
Manilla	36								36		36	6 57		6 57
Molasses	400	134					124		524	134	658	64 96	6 70	71 66
Nails	394	524							394	524	918	61 29	26 20	87 49
Oats	93	9,117			1				94	9,117	9,211	4 83	245 33	250 16
Oil (in barrels)	384	404					6		390	404	794	54 75	24 85	79 60
Oil cake	16	9,417							16	9,417	9,433	1 57	470 83	472 40
Pease	9	408							9	408	417	0 68	10 52	11 20
Potatoes	70	75							70	75	145	3 71	5 59	9 30
Pork	295	500							295	500	795	26 89	25 50	52 39
Paint	144	86					81		225	86	311	25 90	5 20	31 10
Pitch and tar	123	23					147		270	23	293	20 17	1 15	21 32
Rags	296	31					141		437	31	468	38 00	2 60	40 60
Rye		6,364								6,364	6,364		159 14	159 14
Flax seed	6	6,747							6	6,747	6,753	0 45	168 70	169 15
Resin	241	21					1,606		1,847	21	1,868	92 69	1 05	93 74
Salt	2,862	493					336		3,198	493	3,691	284 62	18 76	303 36
Stone intended for cutting	17	155							17	155	172	1 51	5 82	7 33
" wrought	76								76		76	4 32		4 32
" not suitable for cutting, unwrought		9,803								9,803	9,803		196 05	196 05
Seeds, all kinds	5,690	40							5,690	40	5,730	214 79	1 90	216 59
Sheep	23	78							23	78	101	0 96	5 96	6 92
Soda ash	32	5							32	5	37	4 88	0 25	5 13
Steel	4,139	9							4,139	9	4,148	162 01	1 13	163 14
Sugar	689	239					56		745	239	984	98 99	12 55	111 54
Spirits, beer, &c	1,282	198							1,282	198	1,480	151 12	12 30	163 42
Tobacco, raw	13	6							13	6	19	1 28	0 24	1 52
Tallow														
Tin	158	7							158	7	165	21 10	1 10	22 20
Turpentine	28	2					42		70	2	72	7 24	0 10	7 34
Wheat	243	180,315							243	180,315	180,558	18 23	4,508 18	4,526 41
White lead	151	18							151	18	169	26 75	2 25	29 00
Whiting	21	1							21	1	22	3 90	0 05	3 95
Wool	2								2		2	0 15		0 15
All other goods and merchandise not enumerated	7,250	4,108	8		247	810	2,733	14	10,238	4,932	15,170	922 86	333 15	1,256 01
Bark														

No. (A) 6.—GENERAL STATEMENT showing the Quantity of each Article of Way Freight transported on the St. Lawrence Canals, and the Amount of Tolls collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
												$ cts.	$ cts.	$ cts.
Barrels empty	728	67							728	67	795	48 72	4 97	53 69
Boat knees														
Floats														
Firewood, in vessels	7,506	2,302							7,506	2,302	9,808	125 10	59 34	184 44
" rafts														
Hoops														
Hop poles	2								2		2	0 10		0 10
Lumber, sawn, in vessels	33,377	8,543				67	278		33,655	8,610	42,265	917 56	284 58	1,202 14
" " rafts		1,156								1,156	1,156		35 22	35 22
Masts, spars and telegraph poles, in vessels														
Masts, spars and telegraph poles, in rafts		20,518								20,518	20,518		512 95	512 95
Railway ties, in vessels														
" " rafts														
Saw logs														
Staves and headings, barrel		11								11	11		0 42	0 42
" " pipe														
" " West India														
Staves, salt barrel														
Shingles	4	70							4	70	74	0 75	14 53	15 28
Split posts and fence rails, in vessels		10								10	10		1 00	1 00
Split posts and fence rails, in rafts														
Timber, square, in vessels		200								200	200		2 50	2 50
" rafts	2,240	3,117							2,240	3,117	5,357	56 00	79 26	135 26
Traverses														
Woodenware and wood partly manufactured	4	5							4	5	9	0 80	1 00	1 80

Total freight heretofore paying tolls, now free....	235,674	434,742	2,248	.....	338	5,661	9,867	18,029	148,127	458,432	606,559	6,911 98	14,033 26	20,945 24
Free articles, having paid full tolls on Welland Canal:—														
Corn.....	.....	266	.....	.....	.....	.....	.....	7,375	.....	7,641	7,641			
Coal, free, per Order in Council.....	90,898	157	.....	.....	.....	.....	8,134	.....	99,032	157	99,189			
Grand total way freight....	326,572	435,165	2,248	.....	338	5,661	18,001	25,404	247,159	466,230	713,389			
Total tolls on vessels.....												4,430 83	2,588 03	7,018 86
" passengers.....												996 94	1,300 43	2,297 37
" free goods.....$6,722 28												.....	.....	.....
Total way tolls.....												12,339 75	17,921 72	30,261 47

DEPARTMENT OF RAILWAYS AND CANALS.
OTTAWA, May 16, 1904.

RICHARD DEVLIN.
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 7.—GENERAL STATEMENT showing the Quantity of each Article transported on the Ottawa Canals, and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl												
Apples		249								249	249	14 69
Agricultural products not enumerated, vegetables		13								13	13	1 14
" " " animal		3,119								3,119	3,119	271 92
Agricultural implements	1	13							1	13	14	2 07
Barley												
Bricks	2								2		2	0 12
Bones		5								5	5	0 30
Brimstone												
Buckwheat		7								7	7	0 69
Cement and water Lime	176								176		176	3 52
Clay, lime and sand	220	12,953							220	12,953	13,173	771 41
Coal	397	155							397	155	552	22 29
Corn												
Cattle		586								586	586	46 73
Cotton (raw)												
Crockery and earthenware	1	38							1	38	39	7 18
Dye wood and dye stuffs		2								2	2	0 38
Fish		5								5	5	0 30
Flax and hemp												
Flour	4	74							4	74	78	6 20
Furniture		100								100	100	12 10
Gypsum												
Glass (all kinds)	2	79							2	79	81	14 46
Hay (pressed)		3,068		354						3,422	3,422	322 98
Hogs		135								135	135	10 53
Horses	15	244							15	244	259	13 68
Hides and skins, horns and hoofs		17								17	17	1 70
Ice												

Iron, railway												
" pig												
" all other	1	66						1	66	67	4	37
Iron ore												
Kryolite chemical ore and other ore, except iron												
Lard and lard oil												
Meal, all kinds												
Meats, other than pork												
Marble												
Manilla												
Molasses	1							1		1	0	14
Nails	2							2		2	0	28
Oats		935							935	935	84	27
Oil (in barrels)	2	4						2	4	6	1	04
Oil cake												
Pease		1							1	1	0	06
Potatoes	4	291						4	291	295	19	39
Pork		7							7	7	0	65
Paint		2							2	2	0	38
Pitch and tar		152							152	152	28	88
Rags		101							101	101	18	02
Rye												
Flax seed												
Resin												
Salt												
Stone intended for cutting												
" wrought												
" not suitable for cutting, unwrought												
Seeds, all kinds		1							1	1	0	10
Sheep		430							430	430	37	38
Soda ash												
Steel	2	4						2	4	6	0	51
Sugar	2							2		2	0	28
Spirits, beer, &c	1	5						1	5	6	1	09
Tobacco (raw)												
Tallow		11							11	11	1	08
Tin	2	2						2	2	4	0	48
Turpentine												
Wheat												
White lead		2							2	2	0	38
Whiting												
Wool												
All other goods and merchandise not enumerated	17	1,707						17	1,707	1,724	261	26
Bark												
Barrels, empty		64							64	64	8	04
Boat knees												
Floats	20	32,548						20	32,548	32,568	359	34
Firewood, in vessels		12,698							12,698	12,698	418	03
" rafts												
Hoops		1							1	1	0	09

No. (A) 7.—General Statement showing the Quantity o each Article transported on the Ottawa Canals, and the Amount of Reveuue Collected, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Hop poles												
Lumber, sawn, in vessels		293,927		38,636						332,563	332,563	23,501 60
" " rafts		400								400	400	42 00
Masts, spars and tolegraph poles, in vessels												
" " " rafts												
Railway ties, in vessels		139								139	139	12 41
" " rafts												
Saw logs	50	723							50	723	773	17 00
Staves and headings, barrel												
" " pipe												
" " West India												
Staves, salt barrel												
Shingles		14								14	14	2 68
Split posts and fence rails, in vessels												
" " " rafts												
Timber, square, in vessels		2,160								2,160	2,160	30 71
" " rafts		1,454								1,454	1,454	16 29
Traverses												
Woodenware and wood partly manufactured												
Total freight paying tolls	922	368,711		38,990					922	407,701	408,623	26,392 62
Free per Order in Council.												
Floats		15,330								15,330	15,330	
Lumber, sawn, in rafts		120								120	120	
Timber, square, "		12,400								12,400	12,400	
Freight, grand total	922	396,561		38,990					922	435,551	436,473	

Total tolls, on vessels		2,827 24
" passengers		219 35
" free goods	$ 335 19	
Total tolls		29,439 21
Other receipts		
Total revenue exclusive of hydraulic rents		29,439 21

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

APPENDIX A—*Continued.*

No. 8 (A).—GENERAL STATEMENT showing the Quantity of each Article transported on the Chambly Canal, and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl												
Apples	6	686						7	6	693	699	47 64
Agricultural products not enumerated, vegetables		4								4	4	40
" " " animal												
Agricultural implements	75	14							75	14	89	3 75
Barley												
Bricks	1		20					17	21	17	38	2 41
Bones		3								3	3	20
Brimstone												
Buckwheat												
Cement and water lime	1,679							23	1,679	23	1,702	114 25
Clay, lime and sand	120							23,318	120	23,318	23,438	1,843 13
Coal	884	26						78,984	884	79,010	79,894	7,779 94
Corn		17								17	17	1 70
Cattle	9	176						2	9	178	187	6 57
Cotton (raw)												
Crockery and earthenware		51								51	51	5 10
Dye wood and dye stuffs								33		33	33	3 30
Fish												
Flax and hemp												
Flour	908	12						35	908	47	955	33 45
Furniture								4		4	4	40
Gypsum												
Glass (all kinds)												
Hay (pressed)	177	3,943	30,494					242	30,671	4,185	34,856	2,879 46
Hogs												
Horses	15	22							15	22	37	1 35
Hides and skins, horns and hoofs												
Ice												
Iron, railway	35							334	35	334	369	34 59

" pig								338		338	338	33	80
" all other	8								8		8		54
Iron ore								1,999		1,999	1,999	99	95
Kyrolite chemical ore and other ore, except iron								348		348	348	16	68
Lard and lard oil													
Meal, all kinds													
Meats, other than pork													
Marble													
Manilla													
Molasses	51							124	51	124	175	14	16
Nails	52	2							52	2	54	1	88
Oats	3	1,314							3	1,314	1,317	43	97
Oil (in barrels)	97	9						2	97	11	108	4	19
Oil cake													
Pease		13								13	13		44
Potatoes	1	5							1	5	6		21
Pork		5								5	5		19
Paint													
Pitch and tar								2,018		2,018	2,018	201	80
Rags													
Rye													
Flax seed													
Resin								2,482		2,482	2,482	296	62
Salt	148	3						504	148	507	655	55	49
Stone intended for cutting													
" wrought													
" not suitable for cutting, unwrought													
Seeds, all kinds	6								6		6		20
Sheep		150								150	150	5	15
Soda ash													
Steel													
Sugar	77	4						56	77	60	137	8	38
Spirits, beer, etc													
Tobacco (raw													
Tallow													
Tin													
Turpentine								42		42	42	4	20
Wheat													
White lead													
Whiting													
Wool													
All other goods and merchandise not enumerated	1,606	630	1,958					1,773	3,564	2,403	5,967	467	05
Bark													
Barrels empty	17	15							17	15	32	1	31
Boat knees													
Floats													
Fire wood, in vessels		483	155,419						155,419	483	155,902	5,188	29
" rafts													
Hoops													
Hop poles													

No. 8 (A).—General Statement showing the Quantity of each Article transported on the Chambly Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Lumber, sawn, in vessels	476	25	29,430					110	29,906	135	30,041	1,764 83
" rafts												
Masts, spars, and telegraph poles, in vessels												
" " rafts		63								63	63	2 10
Railway ties, in vessels			1,238						1,238		1,238	98 81
" rafts												
Saw logs												
Staves and headings, barrels												
" " pipe												
" " West India												
Staves, salt barrel												
Shingles	83		8						91		91	20 77
Split posts and fence rails, in vessels												
" " rafts												
Timber, square, in vessels		44						700		744	744	27 49
" rafts		256								256	256	8 55
Traverses												
Woodenware and wood partly manufactured												
Total freight;	6,534	7,975	218,567					113,495	225,101	121,470	346,571	21,124 69

Total tolls on vessels	3,601 75
" passengers	32 80
Total toll	24,759 24
*Damages	*
Fines	10 00
Other receipts	3 00
Total revenue, exclusive of hydraulic rents	24,772 24

* Amount of damages, not included in above, $5.

Department of Railways and Canals,
Ottawa, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. 9—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal, and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl												
Apples	28	53							28	53	81	2 18
Agricultural products not enumerated, vegetables	5	9							5	9	14	0 40
" " " animal.,	181	1,910							181	1,910	2,091	162 60
Agricultural implements	105	111							105	111	216	22 93
Barley		40								40	40	0 94
Bricks	139	84							139	84	223	5 78
Bones												
Brimstone												
Buckwheat	2								2		2	0 05
Cement and water lime	515	366							515	366	881	23 27
Clay, lime and sand	3,638	5,236							3,638	5,236	8,874	207 56
Coal		1,163						7,082		8,245	8,245	289 13
Corn	4	107							4	107	111	2 69
Cattle	1								1		1	0 03
Cotton (raw)												
Crockery and earthenware	12	20							12	20	32	2 88
Dye wood and dye stuffs	2								2		2	0 18
Fish	91								91		91	2 16
Flax and hemp	2								2		2	0 05
Flour	181	357							181	357	538	13 61
Furniture	54	54							54	54	108	9 83
Gypsum												
Glass (all kinds)	58	8							58	8	66	5 88
Hay (pressed)	1,425	75							1,425	75	1,500	35 34
Hogs												
Horses	7	9							7	9	16	0 46
Hides and skins, horns and hoofs	4								4		4	0 11
Ice												
Iron, railway	1	1							1	1	2	0 06
" pig	173								173		173	4 31
" all other	502	41							502	41	543	14 63
Iron ore												

No. (A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Kryolite, chemical ore and other ore, except iron												
Lard and lard oil	27	1							27	1	28	86
Meal, all kinds	43	107							43	107	150	3 78
Meats, other than pork	8	9							8	9	17	50
Marble												
Manilla	1								1		1	09
Molasses	56	8							56	8	64	5 62
Nails	117	8							117	8	125	12 89
Oats	227	707							227	707	934	37 25
Oil (in barrels)	178	118							178	118	296	26 35
Oil cake		6								6	6	24
Pease												
Potatoes	16	17							16	17	33	1 02
Pork	100	3							100	3	103	2 55
Paint	41	1							41	1	42	4 17
Pitch and tar	9								9		9	81
Rags	5	16							5	16	21	1 87
Rye												
Flax seed												
Resin												
Salt	1,993	296							1,993	296	2,289	63 72
Stone intended for cutting		3								3	3	07
" wrought	7								7		7	62
" not suitable for cutting, unwrought												
Seeds, all kinds	23								23		23	66
Sheep	2								2		2	05
Soda ash	19								19		19	1 65
Steel	72	13							72	13	85	2 04
Sugar	165	145							165	145	310	29 85
Spirits, beer, &c	171	51							171	51	222	19 79
Tobacco (raw)		11								11	11	33
Tallow		7								7	7	17
Tin	3	1							3	1	4	36
Turpentine	2								2		2	18
Wheat	5	863							5	863	868	20 31
White lead	72								72		72	6 96

Whiting	10								10		10	97
Wool	1	1							1	1	2	06
All other goods and merchandise not enumerated	1,431	547							1,431	547	1,978	182 91
Bark	6								6		6	52
Barrels, empty	1	84							1	84	85	6 37
Boat knees												
Floats	200								200		200	3 50
Firewood, in vessels	8,274	534	150						8,424	534	8,958	172 10
" rafts		81								81	81	1 71
Hoops												
Hop poles												
Lumber, sawn, in vessels	2,501	7,455	1,560	6,317					4,061	13,772	17,833	1,301 25
" rafts												
Masts, spars, and telegraph poles, in vessels		220								220	220	8 55
" " rafts		300								300	300	15 00
Railway ties, in vessels	294		203						497		497	52 09
" rafts												
Saw-logs		307								307	307	7 00
Staves and headings, barrels												
" " pipe												
" " West India												
Staves, salt barrel												
Shingles	195	76							195	76	271	71 19
Split posts and fence rails, in vessels												
" " rafts												
Timber, square, in vessels												
" rafts	400								400		400	7 48
Traverses	20								20		20	13
Woodenware and wood partly manufactured	5								5		5	44
Total freight paying tolls	23,830	21,640	1,913	6,317				7,082	25,743	35,039	60,782	2,883 09
Coal, free, per Order in Council	338								338		338	
Grand total, freight	24,168	21,640	1,913	6,317				7,082	26,081	35,039	61,120	

Total tolls on vessels		1,743 07
" passengers		373 61
Total tolls		4,999 77
Total tolls on free coal	$9 02	
Winterage		91 00
Other receipts		66 00
Total revenue, exclusive of hydraulic rents		5,156 77

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peter's Canal and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl												
Apples	134								134		134	1 34
Agricultural products not enumerated, vegetables	131								131		131	1 31
" " " animal	6								6		6	0 06
Agricultural implements	21								21		21	0 21
Barley	16								16		16	0 16
Bricks	1,284								1,284		1,284	12 84
Bones												
Brimstone												
Buckwheat	2								2		2	0 02
Cement and water lime	470	1,326							470	1,326	1,796	17 96
Clay, lime and sand		84								84	84	0 84
Coal	397	37,363							397	37,363	37,760	377 60
Corn	21	252							21	252	273	2 73
Cattle	13								13		13	0 13
Cotton (raw)												
Crockery and earthenware	21	5							21	5	26	0 26
Dye wood and dye stuffs												
Fish	421	3,240		375					421	3,615	4,036	40 36
Flax and hemp												
Flour	2,234								2,234		2,234	22 34
Furniture	19	12							19	12	31	0 31
Gypsum		375								375	375	3 75
Glass (all kinds)	17								17		17	0 17
Hay (pressed)	1,026								1,026		1,026	10 26
Hogs												
Horses												
Hides and skins, horns and hoofs												
Ice												
Iron, railway	212								212		212	2 12
" pig		10								10	10	0 10
" all other	221	47							221	47	268	2 68

Iron ore		5								5	5	0	05
Kryolite chemical ore and other ore, except iron	11								11		11	0	11
Lard and lard oil	10								10		10	0	10
Meal, all kinds	793								793		793	7	93
Meats, other than pork	89								89		89	0	89
Marble		50								50	50	0	50
Manilla	31								31		31	0	31
Molasses	328	2							328	2	330	3	30
Nails	143								143		143	1	43
Oats	2,996								2,996		2,996	29	96
Oil (in barrels)	466	84							466	84	550	5	50
Oil cake													
Pease													
Potatoes	6,087								6,087		6,087	60	87
Pork	132								132		132	1	32
Paint	11								11		11	0	11
Pitch and tar	6	112							6	112	118	1	18
Rags													
Rye													
Flax seed													
Resin													
Salt	633	15							633	15	648	6	48
Stone intended for cutting	145								145		145	1	45
" wrought													
" not suitable for cutting, unwrought		5,381								5,381	5,381	53	81
Seeds, all kinds													
Sheep	4								4		4	0	04
Soda ash													
Steel	6								6		6	0	06
Sugar	225								225		225	2	25
Spirits, beer, &c	214	2							214	2	216	2	16
Tobacco (raw)	18								18		18	0	18
Tallow	3								3		3	0	03
Tin	122								122		122	1	22
Turpentine	2								2		2	0	02
Wheat													
White lead													
Whiting													
Wool													
All other goods and merchandise not enumerated	1,171	15							1,171	15	1,186	11	86
Bark	13								13		13	0	13
Barrels, empty	69	37							69	37	106	1	06
Boat knees													
Floats													
Firewood, in vessels		316								316	316	3	16
" rafts													
Hoops													
Hop poles													
Lumber, sawn, in vessels	17,052	587							17,052	587	17,639	176	39
" rafts													

No. (A) 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peter's Canal, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Masts, spars and telegraph poles, in vessels	28	210							28	210	238	2 38
" " rafts												
Railway ties, in vessels	160								160		160	1 60
" rafts												
Saw-logs		270								270	270	2 70
Staves and headings, barrel	15								15		15	0 15
" pipe												
" West India												
Staves, salt barrel												
Shingles	465								465		465	4 65
Split posts and fence rails, in vessels	879	1,215							879	1,215	2,094	20 94
" " rafts												
Timber, square, in vessels	434	47							434	47	481	4 81
" rafts												
Traverses												
Woodenware and wood partly manufactured												
Total freight paying tolls	39,427	51,062		375					39,427	51,437	90,864	908 64
Total tolls on vessels												2,384 70
Other receipts												8 00
Total receipts												3,301 34

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

No. (A) 11.—GENERAL STATEMENT showing the Quantity of each Article transported on the Trent Valley Canals, and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl												
Apples												
Agricultural products not enumerated, vegetables												
" " " animal												
Agricultural implements		6								6	6	0 18
Barley												
Bricks	60								60		60	0 60
Bones												
Brimstone												
Buckwheat												
Cement and water lime												
Clay, lime and sand												
Coal												
Corn												
Cattle												
Cotton (raw)												
Crockery and earthenware												
Dye wood and dye stuffs												
Fish												
Flax and hemp												
Flour												
Furniture	2	1							2	1	3	0 05
Gypsum												
Glass (all kinds)												
Hay (pressed)												
Hogs	219								219		219	2 19
Horses												
Hides and skins, horns and hoofs												
Ice												
Iron, railway												

No. (A) 11.—GENERAL STATEMENT showing the Quantity of each Article transported on the Trent Valley Canals, &c.—*Concluded.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Iron pig												
" all other		5								5	5	0 05
" ore												
Kroylite chemical ore and other ore, except iron												
Lard and lard oil												
Meal, all kinds		7								7	7	0 07
Meats, other than pork												
Marble												
Manilla												
Molasses												
Nails												
Oats												
Oil (in barrels)												
Oil cake												
Pease	291								291		291	2 91
Potatoes												
Pork												
Paint												
Pitch and tar												
Rags												
Rye												
Flax seed												
Resin												
Salt												
Stone intended for cutting												
" wrought												
" not suitable for cutting, unwrought												
Seeds, all kinds												
Sheep												
Soda ash												
Steel												
Sugar												
Spirits, beer, &c												
Tobacco (raw)												
Tallow												
Tin												

Turpentine												
Wheat	1,226								1,226		1,226	12 26
White lead												
Whiting												
Wool												
All other goods and merchandise not enumerated	10	103							10	103	113	3 29
Bark	68	38							68	38	106	4 15
Barrels, empty												
Boat knees												
Floats	2,301	9,728							2,301	9,728	12,029	98 39
Fire wood, in vessels	10,481	4,605							10,481	4,605	15,086	253 92
" rafts												
Hoops												
Hop poles												
Lumber, sawn, in vessels	2,804	278							2,804	278	3,082	51 51
" rafts	492	885							492	885	1,377	30 00
Masts, spars and telegraph poles, in vessels												
" " rafts												
Railway ties, in vessels	880								880		880	17 40
" rafts												
Saw logs	6,894	598							6,894	598	7,492	62 99
Staves and headings, barrel												
" " pipe												
" " West India												
Staves, salt barrel												
Shingles	9	9							9	9	18	2 55
Split posts and fence rails, in vessels												
" " rafts												
Timber, square, in vessels	357								357		357	2 12
" rafts		50								50	50	0 50
Traverses												
Woodenware and wood partly manufactured												
Total, freight paying tolls	26,094	16,313							26,094	16,313	42,407	545 13

Total tolls on vessels	710 55
" passengers	252 39
Total tolls	1,508 07
Other receipts	25 00
Total revenue exclusive of hydraulic rents	1,533 07

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

APPENDIX A—*Continued.*

No. (A) 12.—GENERAL STATEMENT showing the Quantity of each Article transported on the Murray Canal and the Amount of Revenue heretofore collected, now free, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Ashes, pot and pearl	3								3		3	0 08
Apples	832	517							832	517	1,349	25 41
Agricultural products not enumerated, vegetables	316	381							316	381	697	13 31
" " animal	57	125							57	125	182	3 53
Agricultural implements	3	11							3	11	14	0 36
Barley		1.004								1,004	1,004	18 85
Bricks	207		17						224		224	4 23
Bones												
Brimstone												
Buckwheat		91	1						1	91	92	1 74
Cement and water lime	114	6	17						131	6	137	2 59
Clay, lime and sand	20								20		20	0 39
Coal	30	409						618	30	1,027	1,057	19 85
Corn	4	8							4	8	12	0 24
Cattle												
Cotton (raw)												
Crockery and earthenware	107	207							107	207	314	7 91
Dye wood and dye stuffs	28	4							28	4	32	0 83
Fish												
Flax and hemp		20								20	20	0 38
Flour	28	45							28	45	73	1 40
Furniture	105	163							105	163	268	6 93
Gypsum												
Glass (all kinds)	506	171	58						564	171	735	18 44
Hay (pressed												
Hogs												
Horses	1	3	4						5	3	8	0 16
Hides and skins, horns and hoofs	36								36		36	0 69
Ice												
Iron, railway	648	288							648	288	936	17 63

" pig	29								29		29	0	55
" all other	896	270	46						942	270	1,212	22	93
Iron ore													
Kyrolite chemical ore and other ore, except iron													
Lard and lard oil	114	134							114	134	248	4	73
Meal, all kinds	13	116							13	116	129	2	50
Meats, other than pork	21	12							21	12	33	0	65
Marble	4								4		4	0	10
Manilla													
Molasses		5								5	5	0	13
Nails	153	72							153	72	225	5	67
Oats		206								206	206	3	88
Oil (in barrels)	527	768						2	527	770	1,297	32	53
Oil cake		1								1	1	0	02
Pease	102	96							102	96	198	3	72
Potatoes	3	5							3	5	8	0	16
Pork		20								20	20	0	38
Paint	558	242							558	242	800	20	08
Pitch and tar	6								6		6	0	15
Rags	61	9							61	9	70	1	77
Rye		350								350	350	6	57
Flax seed													
Resin													
Salt	165	447							165	447	612	11	53
Stone intended for cutting	9								9		9	17	00
" wrought	3	16							3	16	19	0	48
" not suitable for cutting, unwrought	841								841		841	8	41
Seeds, all kinds	82	254							82	254	336	6	43
Sheep													
Soda ash	98								98		98	2	46
Steel	273	48							273	48	321	6	10
Sugar	694	128							694	128	822	20	62
Spirits, beer, &c.	161	395							161	395	556	14	00
Tobacco (raw)													
Tallow	19	11							19	11	30	0	58
Tin	36	31							36	31	67	1	69
Turpentine		6								6	6	0	15
Wheat		782								782	782	14	70
White lead	2								2		2	0	05
Whiting	85								85		85	2	14
Wool	33	3							33	3	36	0	71
All other goods and merchandise not enumerated	2,880	3,094	302						3,182	3,094	6,276	157	05
Bark													
Barrels, empty	22	10							22	10	32	0	78
Boat knees													
Floats													
Firewood, in vessels			3,288						3,288		3,288	27	40
" rafts													
Hoops													
Hop poles													

No. (A) 12.—GENERAL STATEMENT showing the Quantity of each Article transported on the Murray Canal, &c.—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
												$ cts.
Lumber, sawn, in vessels	1,183	601	1,257						2,440	601	3,041	34 20
" rafts												
Masts, spars, and telegraph poles, in vessels			24						24		24	0 16
" " rafts												
Railway ties, in vessels			1,001								1,001	10 01
" rafts												
Saw-logs												
Staves and headings, barrel												
" " pipe												
" " West Indies												
Staves, salt barrel												
Shingles			51						51		51	4 17
Split posts and fence rails, in vessels												
" " rafts												
Timber, square, in vessels												
" " rafts												
Traverses												
Woodenware and wood partly manufactured												
Grand total freight	12,118	11,585	6,066					620	18,184	12,205	30,389	575 46
Total tolls on vessels												261 21
" passengers												298 31
*Damages												
Total revenue exclusive of hydraulic rents												1,134 98

*Amount of damages not included in above $20.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported in the Sault Ste. Marie Canal, during the Season of Navigation in 1903.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Ashes, pot and pearl											
Apples	626		1,700		650				2,976		2,976
Agricultural products not enumerated, vegetables											
" " " animal											
Agricultural implements											
Barley		4,928				22,712		552		28,192	28,192
Bricks	328			178			178		506	178	684
Bones											
Brimstone											
Buckwheat		1,248								1,248	1,248
Cement and water lime	5,606		458		8,814				14,878		14,878
Clay, lime and sand	35	6,400		9,000					35	15,400	15,435
Coal	5,611	1,196			644,704	3,050	341,065	3,154	991,380	7,400	998,780
Corn						1,260				1,260	1,260
Cattle	23		3						26		26
Cotton (raw)											
Crockery and earthenware	336				6		7		349		349
Dye wood and dye stuffs											
Fish		1,259		6				15		1,280	1,280
Flax and hemp						875		890		1,765	1,765
Flour	57	94,078		1,072		194,775		22,228	57	312,153	312,210
Furniture	182								182		182
Gypsum											
Glass (all kinds)	953						4		957		957
Hay (pressed)	1,871				20				1,891		1,891
Hogs	1								1		1
Horses	6	25	3						9	25	34
Hides and skins, horns and hoofs		73						62		135	135
Ice											

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste. Marie Canal, &c.—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total.		Total Tons.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Iron, railway	40,692	105			1,708		5,647	110	48,047	215	48,262
" pig	585			1,000		13,883	153		738	14,883	15,621
" all other	7,477	563		3,438		3,326	1,125	300	8,602	7,627	16,229
Iron ore		31,034		180,075	750	2,410,739	500	60,402	1,250	2,682,250	2,683,500
Kryolite chemical ore and other ore, except iron		20				17,468				17,491	17,491
Lard and lard oil	2								2		2
Meal, all kinds	23	81				14,302			23	14,383	14,406
Meats, other than pork											
Marble											
Manilla	999								999		999
Molasses	220								220		220
Nails	4,164	17			950				5,114	17	5,131
Oats	32	19,552				15,280		425	32	35,257	35,289
Oil (in barrels)	515	4	77		68		46		706	4	710
Oil cake		80				550		946		1,576	1,576
Pease											
Potatoes	92	5				130			92	135	227
Pork	4								4		4
Paint	219								219		219
Pitch and tar	66								66		66
Rags											
Rye						2,725				2,725	2,725
Flax seed		3,931				57,724		6,105		67,760	67,760
Resin	1								1		1
Salt	7,224		1,793	43	11,576		43		20,636	43	20,679
Stone intended for cutting			30						30		30
" wrought	2								2		2
" not suitable for cutting, unwrought					1,072				1,072		1,072
Seeds, all kinds	37	54							37	54	91
Sheep											
Soda ash	38								38		38
Steel	327	17			160		1,000	52	1,487	69	1,556
Sugar	1,530				915				2,445		2,445

Spirits, beer, &c	1,089		30						1,119		1,191
Tobacco (raw)											
Tallow											
Tin	197								197		197
Turpentine	1								1		1
Wheat		669,849		104,385		110,813		81,971		967,018	967,018
White lead	141								141		141
Whiting											
Wool		179				1,882				2,061	2,061
All other goods and merchandise not enumerated	69,596	2,417	30,343	1,052	39,651	1,560	831	421	140,421	5,450	145,871
Bark		84								84	84
Barrels, empty		35								35	35
Boat knees											
Floats											
Firewood, in vessels		30		325						355	355
" rafts		44								44	44
Hoops											
Hop poles											
Lumber, sawn, in vessels	349	133		30,893	834	18,835			1,183	49,861	51,044
" rafts											
Masts, spars and telegraph poles, in vessels	10								10		10
" " " rafts		89					60		60	89	149
Railway ties, in vessels											
" rafts		4								4	4
Saw logs	379	6,375	21		1,970	938		304	2,370	7,617	9,987
Staves and headings, barrels											
" " pipe											
" " West India											
Staves, salt barrel											
Shingles	10	15				11,254		403	10	11,672	11,682
Split posts and fence rails, in vessels				1						1	1
" " " rafts											
Timber, square, in vessels		240		1,000				2,120		3,360	3,360
" " rafts		5								5	5
Traverses											
Woodenware and wood partly manufactured		66								66	66
Total freight paying tolls	151,656	844,238	34,458	332,468	713,848	2,904,081	350,659	180,460	1,250,621	4,261,247	5,511,868

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX

No. (A.) 14.—STATEMENT of Traffic on the undermentioned Canals, and the amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Class No. 1.		$ cts.		$ cts.		$ cts.
Canadian vessels, steam	362,477	5,662 84	874,081	6,124 74	77,898	259 70
United States vessels, steam	510,127	7,658 09	179,483	1,208 06	434	7 34
Canadian vessels, sail	102,819	2,198 82	1,252,007	12,081 72	32,550	452 24
United States vessels, sail	61,573	1,370 85	81,642	890 41	232,126	2.882 47
Total, Class No. 1	1,036,996	16,890 60	2,387,213	20,304 93	343,008	3,601 75
Class No. 2.	No.		No.		No.	
Passengers	1,479	145 04	109.506	5,362 62	2,182	32 80
Class No. 3.	Tons.		Tons.		Tons.	
Bricks	200	23 68	8,371	500 23	38	2 41
Brimstone			2,014	204 09		
Cement and water lime	1	0 15	9,029	1,146 80	1,702	114 25
Clay, lime and sand	2,363	168 03	53,837	2,364 40	23,438	1,843 13
Fish	36	5 40	145	14 38		
Gypsum			1,123	14 11		
Iron, railway	488	73 95	43,477	6,477 67	369	34 59
" pig	177	26 55	4,436	563 79	338	33 80
" all other	5,230	897 96	36,116	2,906 57	8	0 54
Steel	754	100 23	5,787	408 99		
Salt	2,554	479 00	5,407	560 76	655	55 49
Stone for cutting			172	7 33		
Apples			7,992	1,100 85	699	47 64
Barley	14,656	1,465 60	7,095	555 75		
Buckwheat			802	56 69		
Corn	210,758	21,075 80	125,701	4,007 38	17	1 70
Cotton, raw			25	3 58		
Flax and hemp	1,905	285 50	83	12 45		
Flour	25,998	4,540 63	17,762	1,358 58	955	33 45
Hay, pressed			7,434	347 00	34,856	2,879 46
Meals, all kinds	13,909	2,781 20	595	42 95		
Oil cake	1,994	398 80	9,441	473 60		
Oats	7,911	802 96	17,033	1,032 36	1,317	43 97
Pease	85	8 50	1,346	104 85	13	0 44
Potatoes			148	9 75	6	0 21
Rye	4.904	490 40	8,693	392 04		
Flax seed	3,643	364 30	6,759	170 05		
Seeds, all kinds	60	10 35	6,311	303 74	6	0 20
Tobacco, raw			44	5 27		
Wheat	259,031	25,971 01	204,363	6,918 91		
All other agricultural products, vegetable	1	0 20	2,359	343 36	4	0 40
Bones			394	52 72	3	0 20
Cattle			423	28 45	187	6 57
Hogs			29	1 44		
Hides and skins, horns and hoofs			73	4 81		
Horses	2	0 40	1,217	69 99	37	1 35
Lard and lard oil	9	1 35	505	69 17		
Meats (other than pork)	1	0 15	89	9 48		
Pork	159	31 45	883	65 59	5	0 19
Sheep			101	6 92	150	5 15
Tallow	106	16 80	2	0 30		
Wool	482	96 40	20	2 85		
All other agricultural products, animal	1	0 15	5,234	561 41		
Total, Class No. 3	557,418	60,116 90	602,890	33,281 41	64,803	5,105 14

A—*Continued.*

of Tolls hitherto collected, now free, during the season of Navigation in 1903.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	
204,503	212 16	136,819	887 94	122,697	960 07	43,778	875 60	121,075	636 40	1,440,458
862	3 61	.....	.....	1,355	22 86	684	13 68	.....	.....	2,869,985
9,516	41 73	117,086	1,639 13	37,508	604 48	74,526	1,493 21	27,553	74 15	175,481
699	3 71	12,559	300 17	8,019	155 66	105	2 21	.....	.....	276,822
215,580	261 21	266,464	2,827 24	169,579	1,743 07	119,073	2,384 70	148,628	710 55	4,762,746
No.		No.		No.		No.		No.		No.
24,345	298 31	16,424	219 35	15,501	373 61	.....	.....	34,976	252 39	32,410
Tons.		Tons.		Tons.		Tons.		Tons.		Tons.
224	4 23	2	0 12	223	5 78	1,284	12 84	60	0 60	684
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
137	2 59	176	3 52	881	23 27	1,796	17 96	.....	.....	14,878
20	0 39	13,173	771 41	8,874	207 56	84	0 84	.....	.....	15,435
.....	.....	5	0 30	91	2 16	4,036	40 36	.....	.....	1,280
.....	.....	.....	.....	.....	.....	375	3 75	.....	.....	.....
936	17 63	.....	.....	2	0 06	212	2 12	.....	.....	48,262
29	0 55	.....	.....	173	4 31	10	0 10	.....	.....	15,621
1,212	22 93	67	4 37	543	14 63	268	2 68	5	0 05	16,229
321	6 10	6	0 51	85	2 04	6	0 06	.....	.....	1,556
612	11 53	.....	.....	2,289	63 72	648	6 48	.....	.....	20,679
9	0 17	.....	.....	3	0 07	145	1 45	.....	.....	30
1,349	25 41	249	14 69	81	2 18	134	1 34	.....	.....	2,976
1,004	18 85	.....	.....	40	0 94	16	0 16	.....	.....	28,192
92	1 74	7	0 69	2	0 05	2	0 02	.....	.....	1,248
12	0 24	.....	.....	111	2 69	273	2 73	.....	.....	1,260
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	0 38	.....	.....	2	0 05	.....	.....	.....	.....	1,765
73	1 40	78	6 20	538	13 61	2,234	22 34	.....	.....	312,210
.....	.....	3,422	322 98	1,500	35 34	1,026	10 26	.....	.....	1,891
129	2 50	.....	.....	150	3 78	793	7 93	7	0 07	14,406
1	0 02	.....	.....	6	0 24	.....	.....	.....	.....	1,576
206	3 88	935	84 27	934	37 25	2,996	29 96	.....	.....	35,289
198	3 72	1	0 06	.....	.....	.....	.....	291	2 91	.....
8	0 16	295	19 39	33	1 02	6,087	60 87	.....	.....	227
350	6 57	.....	.....	.....	.....	.....	.....	.....	.....	2,725
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67,760
336	6 43	1	0 10	23	0 66	.....	.....	.....	.....	91
.....	.....	.....	.....	11	0 33	18	0 18	.....	.....	.....
782	14 70	.....	.....	868	20 31	.....	.....	1,226	12 26	967,018
697	13 31	13	1 14	14	0 40	131	1 31	.....	.....	.....
.....	.....	5	0 30	.....	.....	.....	.....	.....	.....	.....
.....	.....	586	46 73	1	0 03	13	0 13	.....	.....	26
.....	.....	135	10 53	.....	.....	.....	.....	219	2 19	1
36	0 69	17	1 70	4	0 11	.....	.....	.....	.....	135
8	0 16	259	13 68	16	0 46	.....	.....	.....	.....	34
248	4 73	.....	.....	28	0 86	10	0 10	.....	.....	2
33	0 65	.....	.....	17	0 50	89	0 89	.....	.....	.....
20	0 38	7	0 65	103	2 55	132	1 32	.....	.....	4
.....	.....	430	37 38	2	0 05	4	0 04	.....	.....	.....
30	0 58	11	1 08	7	0 17	3	0 03	.....	.....	.....
36	0 71	.....	.....	2	0 06	.....	.....	.....	.....	2,061
182	3 53	3,119	271 92	2,091	162 60	6	0 06	.....	.....	.....
9,350	176 86	22,990	1,613 52	19,748	609 84	22,831	228 31	1,808	18 08	1,575,551

APPENDIX

No. (A) 14.—STATEMENT of Traffic on the undermentioned Canals, and the amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Class No. 4.		$ cts.		$ cts.		$ cts.
Ashes, pot and pearl	14	2 80	177	44 99		
Agricultural implements	46	9 20	183	19 30	89	3 75
Crockery and earthenware	159	23 85	430	78 66	51	5 10
Dye woods and dye stuffs			68	7 74	33	3 30
Furniture	13	2 60	1,966	319 06	4	0 40
Glass (all kinds)	55	9 00	2,839	554 48		
Marble	1,460	219 00	7	0 70		
Manilla			77	14 77		
Molasses	322	61 10	660	72 06	175	14 16
Nails	1,054	159 05	5,048	913 49	54	1 88
Oil (in barrels)	17,508	3,483 05	2,480	416 80	108	4 19
Paint	52	8 05	1,519	272 70		
Pitch and tar			474	57 52	2,018	201 80
Rags	4	0 80	637	74 40		
Resin	20	4 00	1,931	106 34	2,482	296 62
Soda ash	32	4 80	1,368	271 33		
Sugar	1,435	215 25	2,814	477 54	137	8 38
Stone (wrought)			83	5 72		
Tin			861	161 40		
Turpentine			73	7 54	42	4 20
White lead			355	66 20		
Whiting			835	166 55		
Whisky and all other spirits	407	61 30	2,474	362 22		
Merchandise (not enumerated)	34,643	5,262 01	33,360	4,893 61	5,967	467 05
Total, Class No. 4	57,224	9,525 86	60,719	9,365 12	11,160	1,010 83
Class No. 5.						
Bark						
Barrels, empty			1,339	161 61	32	1 31
Boat knees						
Floats						
Firewood, in vessels	3,705	178 99	120,457	7,561 04	155,902	5,188 29
" in rafts						
Lumber, sawn, in vessels	85,592	15,253 15	42,687	1,240 09	30,041	1,764 83
" in rafts	3	0 45	1,156	35 22		
Hoops						
Railway ties, in vessels	688	85 00			1,238	98 81
" in rafts			611	48 88		
Masts, spars and telegraph poles, in vessels	7	0 50				
Masts, spars and telegraph poles, in rafts			20,518	512 95	63	2 10
Square timber, in vessels	26,324	3,948 60	860	35 50	744	27 49
" in rafts			5,357	135 26	256	8 55
Woodenware and wood partly manufactured			45	16 20		
Shingles	54	38 46	74	15 28	91	20 77
Split posts and fence rails, in vessels			10	1 00		
" " in rafts						
Saw-logs	1,711	82 62				
Staves and headings, barrel			81	14 42		
" " pipe						
" " West India						
" " salt barrel						
Traverses						
Hop poles			2	0 10		
Total, Class No. 5	118,084	19,587 77	193,197	9,777 55	188,367	7,112 15

A—*Continued.*

of Tolls hitherto collected, now free, during the Season of Navigation in 1903.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canals		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	
3	0 08	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	0 36	14	2 07	216	22 93	21	0 21	6	0 18	.....
314	7 91	39	7 18	32	2 88	26	0 26	.....	.....	349
32	0 83	2	0 38	2	0 18	.....	.....	.....	.....	.....
268	6 93	100	12 10	108	9 83	31	0 31	3	0 05	182
735	18 44	81	14 46	66	5 88	17	0 17	.....	.....	957
4	0 10	.....	.....	.....	.....	50	0 50	.....	.....	.....
.....	.....	.....	.....	1	0 09	31	0 31	.....	.....	999
5	0 13	1	0 14	64	5 62	330	3 30	.....	.....	220
225	5 67	2	0 28	125	12 89	143	1 43	.....	.....	5,131
1,297	32 53	6	1 04	296	26 35	550	5 50	.....	.....	710
800	20 08	2	0 38	42	4 17	11	0 11	.....	.....	219
6	0 15	152	28 88	9	0 81	118	1 18	.....	.....	66
70	1 77	101	18 02	21	1 87	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
98	2 46	.....	.....	19	1 65	.....	.....	.....	.....	38
822	20 62	2	0 28	310	29 85	225	2 25	.....	.....	2,445
19	0 48	.....	.....	7	0 62	.....	.....	.....	.....	2
67	1 69	4	0 48	4	0 36	122	1 22	.....	.....	197
6	0 15	.....	.....	2	0 18	2	0 02	.....	.....	1
2	0 05	2	0 38	72	6 96	.....	.....	.....	.....	141
85	2 14	.....	.....	10	0 97	.....	.....	.....	.....	.....
556	14 00	6	1 09	222	19 79	216	2 16	.....	.....	1,119
6,276	157 05	1,724	261 26	1,978	182 91	1,186	11 86	113	3 29	145,871
11,704	293 62	2,238	348 42	3,601	336 79	3,079	30 79	122	3 52	158,648
.....	.....	.....	.....	6	0 52	13	0 13	106	4 15	84
32	0 78	64	8 04	85	6 37	106	1 06	.....	.....	35
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	32,568	359 34	200	3 50	.....	.....	12,029	98 39	.....
3,288	27 40	12,698	418 03	8,958	172 10	316	3 16	15,086	253 92	355
.....	.....	.....	.....	81	1 71	.....	.....	.....	.....	44
3,041	34 20	332,563	23,501 60	17,833	1,301 25	17,639	176 39	3,082	51 51	51,044
.....	.....	400	42 00	.....	.....	.....	.....	1,377	30 00	.....
.....	.....	1	0 09	.....	.....	.....	.....	.....	.....	.....
1,001	10 01	139	12 41	497	52 09	160	1 60	880	17 40	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
24	0 16	.....	.....	220	8 55	238	2 38	.....	.....	10
.....	.....	.....	.....	300	15 00	.....	.....	.....	.....	149
.....	.....	2,160	30 71	.....	.....	481	4 81	357	2 12	3,360
.....	.....	1,454	16 29	400	7 48	.....	.....	50	0 50	5
.....	.....	.....	.....	5	0 44	.....	.....	.....	.....	66
51	4 17	14	2 68	271	71 19	465	4 65	18	2 55	11,682
.....	.....	.....	.....	.....	.....	2,094	20 94	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	773	17 00	307	7 00	270	2 70	7,492	62 99	9,987
.....	.....	.....	.....	.....	.....	15	0 15	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	20	0 13	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7,437	76 72	382,834	24,408 19	29,183	1,647 33	21,797	217 97	40,477	523 53	76,826

APPENDIX

No. (A) 14—STATEMENT of Traffic on the undermentioned Canals, and

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Special Class.		$ cts.		$ cts.		$ cts.
Coal	147,884	29,576 80	316,423	44,973 49	79,894	7,779 94
Kryolite or chemical ore	.....	.....	464	23 20	348	16 68
Iron ore	18,323	916 15	.....	.....	1,999	99 95
Stone, unwrought, not suitable for cutting	1,356	50 64	9,867	201 15	.....	.....
Ice	1,080	33 13	.....	.....	.....	.....
Total, Special Class	168,643	30,576 72	326,754	45,197 84	82,241	7,896 57
Total freight and tolls	901,369	119,807 25	1,183,560	97,621 92	346,571	21,124 69
Timber and other wood, free	40,637	2,766 16	.....	.....	.....	.....
Wheat, corn, flour, iron, salt, coal, &c., free	60,913	9,079 40	497,646	48,618 93	.....	.....
Grand totals, passengers and tonnage of vessels not included	1,002,919	131,652 81	1,681,206	146,240 85	346,571	21,124 69

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

A—*Continued.*

the Amount of Tolls heretofore collected, now free, &c.—*Continued.*

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	
1,057	19 85	552	22 29	8,245	289 13	37,760	377 60	.....	.....	998,780
.....	.....	.....	.....	.....	.....	11	0 11	.....	.....	17,491
.....	.....	.....	.....	.....	.....	5	0 05	.....	.....	2,683,500
841	8 41	.....	.....	.....	.....	5,381	53 81	.....	.....	1,072
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,898	28 26	552	22 29	8,245	289 13	43,157	431 57	.....	.....	3,700,843
30,389	575 46	408,623	26,392 62	60,782	2,883 09	.....	.....	42,407	1,508 07	5,511,868
.....	.....	27,850	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	338	9 02	.....	.....	.....	.....	.....
30,389	575 46	436,473	26,392 62	61,120	2,892 11	90,864	3,293 34	42,407	1,508 07	5,511,868

RICHARD DEVLIN,
Compiler of Canal Statistics.

SUPPLEMENTARY APPENDIX

No. (A) 15.—Summary Statement of Traffic on the undermentioned Canals during of each description of property passed through and

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
		$ cts.		$ cts.		$ cts.
Vessels of all kinds	1,036,996	16,890 60	2,387,213	20,304 93	343,008	3,601 75
	No.		No.		No.	
Passengers	1,479	145 04	109,506	5,262 62	2,182	32 80
Forest—Produce of Wood.	Tons.		Tons.		Tons.	
Bark						
Boat knees						
Floats						
" Free						
Firewood	3,705	178 99	120,457	7,561 04	155,902	5,188 29
" Free	40,026					
Hoops and hop poles			2	0 10		
Lumber, sawed	85,595	15,253 60	43,843	1,275 31	30,041	1,764 83
" Free						
Masts, spars, &c.	7	0 50	20,518	512 95	63	2 10
Railway ties	688	85 00	611	48 88	1,238	98 81
" Free	611					
Saw-logs	1,711	82 62				
Staves, all kinds			81	14 42		
Shingles	54	38 46	74	15 28	91	20 77
Split posts and rails			10	1 00		
Timber, square	26,324	3,948 60	6,217	170 76	1,000	36 04
" Free						
Traverses						
Total	158,721	19,587 77	191,813	9,599 74	188,335	7,110 84
Farm Stock.						
Cattle			423	28 45	187	6 57
Hogs			29	1 44		
Horses	2	0 40	1,217	69 99	37	1 35
Sheep			101	6 92	150	5 15
Total	2	0 40	1,770	106 80	374	13 07
Produce of Animals.						
Bones			394	52 72	3	0 20
Horns and hoofs, hides and skins, raw			73	4 81		
" " " Free	6					
Lard and lard oil	9	1 35	505	69 17		
Meats, other than pork	1	0 15	89	9 48		
" " Free	1					
Pork	159	31 45	883	65 59	5	0 19
Tallow	106	16 80	2	0 30		
" Free			3			
Wool	482	96 40	20	2 85		
Agricultural products not enumerated, animal	1	0 15	5,234	561 41		
Total	765	146 30	7,203	766 33	8	0 39

SESSIONAL PAPER No. 20

A.—*Continued.*

the Season of Navigation ended December 31, 1903, showing the Total Quantity the amount of Tolls heretofore collected, now free.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	Free.
215,580	261 21	266,474	2,827 24	169,579	1,743 07	119,093	2,384 70	148,628	710 55	4,762,746
No.		No.		No.		No.		No.		
24,345	298 31	16,424	219 35	15,501	373 61	.....	.....	34,976	252 39	32,410
Tons.		Tons.		Tons.		Tons.		Tons.		
.....	.....	.....	.....	6	0 52	13	0 13	106	4 15	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	32,568	359 34	200	3 50	.....	.....	12,029	98 39	.....
.....	.....	15,330	.....	.....	.....	.....	.....	.....	.....	.....
3,288	27 40	12,698	418 03	9,039	173 81	316	3 16	15,086	253 92	399
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	0 09	.....	.....	.....	.....	.....	.....	.....
3,041	34 20	332,963	23,543 60	17,833	1,301 25	17,639	176 39	4,459	81 51	51,044
.....	.....	120	.....	.....	.....	.....	.....	.....	.....	.....
24	16	.....	.....	520	23 55	238	2 38	.....	.....	159
1,001	10 01	139	12 41	497	52 09	160	1 60	880	17 40	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	773	17 00	307	7 00	270	2 70	7,492	62 99	9,987
.....	.....	.....	.....	.....	.....	15	0 15	.....	.....	.....
51	4 17	14	2 68	271	71 19	465	4 65	18	2 55	11,682
.....	.....	.....	.....	.....	.....	2,094	20 94	.....	.....	.....
.....	.....	3,614	47 00	400	7 48	481	4 81	407	2 62	3,365
.....	.....	12,400	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	20	0 13	.....	.....	.....	.....	.....
7,405	75 94	410,620	24,400 15	29,093	1,640 52	21,691	216 91	40,477	523 53	76,725
.....	.....	586	46 73	1	0 03	13	0 13	.....	.....	26
.....	.....	135	10 53	.....	.....	.....	.....	219	2 19	1
8	0 16	259	13 68	16	0 46	.....	.....	.....	.....	34
.....	.....	430	37 38	2	0 05	4	0 04	.....	.....	.....
8	0 16	1,410	108 32	19	0 54	17	0 17	219	2 19	61
.....	.....	5	0 30	.....	.....	.....	.....	.....	.....	.....
36	0 39	17	1 70	4	0 11	.....	.....	.....	.....	135
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
248	4 73	.....	.....	28	0 86	10	0 10	.....	.....	2
33	0 65	.....	.....	17	0 50	89	0 89	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	0 38	7	0 65	103	2 55	132	1 32	.....	.....	4
30	0 58	11	1 08	7	0 17	3	0 03	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	0 71	.....	.....	2	0 06	.....	.....	.....	.....	2,061
182	3 53	3,119	271 92	2,091	162 60	6	0 06	.....	.....	.....
585	11 27	3,159	275 65	2,252	166 85	240	2 40	.....	.....	2,202

No. (A) 15.—Summary Statement of Traffic on the undermentioned

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Agricultural Products.		$ cts.		$ cts.		$ cts.
Agricultural products not enumerated, vegetables	1	0 20	2,359	343 36	4	0 40
Apples			7,992	1,100 85	699	47 64
Barley	14,656	1,465 60	7,095	555 75		
" Free			2,206			
Buckwheat			802	56 69		
Cotton, raw			25	3 58		
" Free	23					
Corn	210,758	21,075 80	125,701	4,007 38	17	1 70
" Free			123,864			
Flax and Hemp	1,905	285 50	83	12 45		
Flour	25,998	4,540 63	17,762	1,358 58	955	33 45
" Free			16,151			
Hay, pressed			7,434	347 00	34,856	2,879 46
Meals, all kinds	13,909	2,781 20	595	42 95		
" Free	17		348			
Manilla			77	14 77		
Oats	7,911	802 96	17,033	1,032 36	1,317	43 97
" Free			2,438			
Pease	85	8 50	1,346	104 85	13	0 44
" Free			63			
Potatoes			148	9 75	6	0 21
Rye	4,904	490 40	8,693	392 04		
" Free			4,260			
Seeds,—Flax, Clover and Grass	3,703	374 65	13,070	473 79	6	0 20
" " Free	325		3,643			
Tobacco, raw			44	5 27		
" Free	2					
Wheat	259,031	25,971 01	204,363	6,918 91		
" Free			226,746			
Total	543,228	57,796 45	794,341	16,780 33	37,873	3,007 47
Manufactures.						
Ashes, pot and pearl	14	2 80	177	44 99		
" " Free	2		2			
Agricultural implements	46	9 20	183	19 30	89	3 75
" " Free			58			
Barrels, empty			1,339	161 61	32	1 31
Bricks	200	23 68	8,371	500 23	38	2 41
" Free	80					
Cement and water lime	1	0 15	9,029	1,146 80	1,702	114 25
" " Free	3,924					
Crockery and earthenware	159	23 85	430	78 66	51	5 10
" " Free	32					
Furniture	13	2 60	1,966	319 06	4	0 40
" Free	1		3			
Glass, all kinds	55	0 09	2,839	554 48		
" Free	1,207		15			
Iron, railway	408	73 95	43,477	6,477 67	369	34 59
" " Free	39,641					
" pig	177	26 55	4,436	563 79	338	33 80
" " Free	273					
" all other	5,230	897 96	36,116	2,906 57	8	0 54
" " Free	5,845		2,542			
Molasses	322	61 10	660	72 06	175	14 16
" Free	6		240			
Nails	1,054	159 05	5,048	913 49	54	1 88
" Free	2,878		19			
Oil	17,508	3,483 05	2,480	416 80	108	4 19
" Free	16		14,619			
Oil cake	1,994	398 80	9,441	473 60		
" Free			462			

Canals and the amount of Tolls collected, &c.—*Continued.*

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	Free.
697	13 31	13	1 14	14	0 40	131	1 31	.....	.....	.....
1,349	25 41	249	14 69	81	2 18	134	1 34	.....	.....	2,976
1,004	18 85	.....	.....	40	0 94	16	0 16	.....	.....	28,192
92	1 74	7	0 69	2	0 05	2	0 02	.....	.....	1,248
12	0 24	.....	.....	111	2 69	273	2 73	.....	.....	1,260
20	0 38	.....	.....	2	0 05	.....	.....	.....	.....	1,765
73	1 40	78	6 20	538	13 61	2,234	22 34	.....	.....	312,210
.....	.....	3,422	322 98	1,500	35 34	1,026	10 26	.....	.....	1,891
129	2 50	.....	.....	150	3 78	793	7 93	7	0 07	14,406
.....	.....	.....	.....	1	0 09	31	0 31	.....	.....	999
206	3 88	935	84 27	934	37 25	2,996	29 96	.....	.....	35,289
198	3 72	1	0 06	.....	.....	.....	.....	291	2 91	.....
8	0 16	295	19 39	33	1 02	6,087	60 87	.....	.....	227
350	6 57	.....	.....	.....	.....	.....	.....	.....	.....	2,725
336	6 43	1	0 10	23	0 66	.....	.....	.....	.....	67,851
.....	.....	.....	.....	11	0 33	18	0 18	.....	.....	.....
782	14 70	.....	.....	868	20 31	.....	.....	1,226	12 26	967,018
5,256	99 29	5,001	449 52	4,308	118 70	13,741	137 41	1,524	15 24	1,438,057
3	0 08	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	0 36	14	2 07	216	22 93	21	0 21	6	0 18	.....
32	0 78	64	8 04	85	6 37	106	1 06	.....	.....	35
224	4 23	2	0 12	223	5 78	1,284	12 84	60	0 60	684
137	2 59	176	3 52	881	23 27	1,796	17 96	.....	.....	14,878
314	7 91	39	7 18	32	2 88	26	0 26	.....	.....	349
268	6 93	100	12 10	108	9 83	31	0 31	3	0 05	182
735	18 44	81	14 46	66	5 88	17	0 17	.....	.....	957
936	17 63	.....	.....	2	0 06	212	2 12	.....	.....	48,262
29	0 55	.....	.....	173	4 31	10	0 10	.....	.....	15,621
1,212	22 93	67	4 37	543	14 63	268	2 68	5	0 05	16,229
5	0 13	1	0 14	64	5 62	330	3 30	.....	.....	220
225	5 67	2	0 28	125	12 89	143	1 43	.....	.....	5,131
1,297	32 53	6	1 04	296	26 35	550	5 50	.....	.....	710
1	0 02	.....	.....	6	0 24	.....	.....	.....	.....	1,576

No. (A) 15.—SUMMARY STATEMENT of Traffic on the undermentioned

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Manufactures—Concluded.		$ cts.		$ cts.		$ cts.
Paint	52	8 05	1,519	272 70		
" Free.	158		5			
Pitch and tar			474	57 52	2,018	201 80
" Free.	58					
Resin	20	4 00	1,931	106 34	2,482	296 62
" Free.	1		20			
Soda ash	32	4 80	1,368	271 33		
" Free.	264					
Spirits, whisky, &c.	407	61 30	2,474	362 22		
" " Free.	452		2			
Steel	754	100 23	5,787	408 99		
" Free.	332					
Sugar	1,435	215 25	2,814	477 54	137	8 38
" Free.	204					
Tin			861	161 40		
" Free.	209					
White lead			355	66 20		
" Free.	80					
Turpentine			73	7 54	42	4 20
" Free.	1					
Whiting			835	166 55		
" Free.	22					
Woodenware			45	16 20		
Total	85,647	5,565 37	162,515	17,023 64	7,647	727 38
Merchandise.						
Brimstone (crude)			2,014	204 09		
" " Free.	23					
Clay, lime and sand	2,363	168 03	53,857	2,364 30	23,438	1,843 13
" " Free.	481					
Coal	147,884	29,576 80	316,423	44,973 49	79,894	7,779 94
" Free.	401		99,219			
Dye woods and dye stuffs			68	7 74	33	3 30
Fish	36	5 40	145	14 38		
" Free.	8					
Gypsum			1,123	14 11		
Ores (all kinds)	18,323	916 15	464	23 20	2,347	116 63
Marble	1,460	219 00	7	0 70		
Rags	4	0 80	637	74 40		
" Free.	29		4			
Salt	2,554	479 00	5,407	560 76	655	55 49
" Free.	87		132			
Stone (all kinds)	1,356	50 64	10,122	214 20		
" Free.	150					
All other goods and merchandise (not enumerated	35,723	5,295 14	33,360	4,893 61	5,967	467 05
" " Free.	3,674		582			
Total	214,556	36,710 96	523,564	53,345 08	112,334	10,265 54
Grand totals (passengers and tonnage of vessels not included)	1,002,919	136,842 89	1,681,206	123,189 47	346,571	24,759 24

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

Canals and the amount of Tolls collected, &c.—*Concluded.*

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault St. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	$ cts.		$ cts.		$ cts.		$ cts.		$ cts.	Free.
800	20 08	2	0 38	42	4 17	11	0 11			219
6	0 15	152	28 88	9	0 81	118	1 18			66
										1
98	2 46			19	1 65					38
556	14 00	6	1 09	222	19 79	216	2 16			1,119
321	6 10	6	0 51	85	2 04	6	0 06			1,556
822	20 62	2	0 28	310	29 85	225	2 25			2,445
67	1 69	4	0 48	4	0 36	122	1 22			197
2	0 05	2	0 38	72	6 96					141
6	0 15			2	0 18	2	0 02			1
85	2 14			10	0 97					
				5	0 44					66
8,195	188 22	726	85 32	3,600	208 26	5,494	54 94	74	0 88	110,683
20	0 39	13,173	771 41	8,874	207 56	84	0 84			15,435
1,057	19 85	552	22 29	8,245	289 13	37,760	377 00			998,780
				338						
32	0 83	2	0 38	2	0 18					
		5	0 30	91	2 16	4,036	40 36			1,280
						375	3 75			
						16	0 16			2,700,991
4	0 10					50	0 50			
70	1 77	101	18 02	21	1 87					
612	11 53			2,289	63 72	648	6 48			20,679
869	9 06			10	0 69	5,526	55 26			1,104
6,276	157 05	1,724	261 26	1,978	182 91	1,186	11 86	113	3 29	145,871
8,940	200 58	15,557	1,073 66	21,848	748 22	49,681	496 81	113	3 29	3,884,140
30,389	1,134 98	436,473	29,439 21	61,120	4,999 77	90,864	3,293 34	42,407	1,508 07	5,511,868

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 16.—STATEMENT showing the amount of Tolls accrued each month during the Season of Navigation ended December 31, 1903.

Canals and Offices.	January	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Total.
WELLAND CANAL.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.
Chippawa	.....	.....	.....	9 02	14 53	28 52	32 74	22 15	4 57	5 86	.....	117 39
Colborne	.....	.....	4,898 36	13,106 25	15,888 60	12,833 17	11,824 70	10,721 48	15,901 53	10,386 41	1,013 89	96,574 39
Dalhousie	.....	.....	3,076 01	7,353 98	5,807 24	4,767 12	5,031 91	4,769 25	5,954 95	2,119 43	43 25	38,923 14
Dunnville	.....	.....	0 50	235 49	141 45	110 21	145 40	133 89	102 78	133 95	8 00	1,011 67
St. Catharines	.....	0 42	0 50	39 23	21 16	38 73	44 14	21 29	32 82	18 01	.....	216 30
Total, Welland Canal	.....	0 42	7,975 37	20,743 97	21,872 98	17,777 75	17,078 89	15,668 06	21,996 65	12,663 66	1,065 14	136,842 89
ST. LAWRENCE CANAL.												
Beauharnois	.....	.....	.....	24 98	23 79	28 85	20 25	29 44	19 58	6 13	.....	153 02
Cardinal	.....	.....	.....	568 25	142 74	520 67	319 78	245 40	228 46	229 28	5 94	2,260 52
Cornwall	.....	.....	.....	6,844 95	8,606 05	6,747 53	7,717 24	6,416 52	5,150 28	2,383 83	184 41	44,050 81
Kingston	.....	.....	517 64	1,544 55	1,528 29	2,463 36	2,895 07	1,809 34	2,446 93	1,466 13	.....	14,671 31
Lachine	.....	.....	.....	383 65	555 13	846 00	788 82	591 92	527 47	240 81	.....	3,933 80
Montreal	.....	.....	.....	5,503 64	6,613 34	8,531 53	8,400 76	7,444 77	6,515 80	4,609 02	29 96	47,648 82
Soulanges	.....	.....	.....	1,369 12	1,619 51	1,523 65	1,446 82	1,131 77	2,034 24	1,346 08	.....	10,471 19
Total, St. Lawrence Canals	.....	.....	517 64	16,239 14	19,088 85	20,661 59	21,588 74	17,669 16	16,922 76	10,281 28	220 31	123,189 47
CHAMBLY CANAL.												
Chambly	.....	.....	.....	825 37	1,793 82	2,245 36	2,285 39	1,729 32	1,657 71	982 79	.....	11,519 76
St. John's	.....	.....	.....	2,114 88	2,012 17	3,293 20	2,059 59	1,183 31	1,357 67	461 22	.....	12,482 04
St. Ours	.....	.....	30 27	44 00	110 12	113 65	120 33	100 61	153 06	85 40	.....	757 44
Total, Chambly Canal	.....	.....	30 27	2,984 25	3,916 11	5,652 21	4,465 31	3,013 24	3,168 44	1,529 41	.....	24,759 24
OTTAWA CANALS.												
Ottawa	.....	.....	.....	4,342 51	4,345 22	3,520 51	3,059 69	2,347 14	1,939 75	1,322 76	.....	20,877 58
Carillon	.....	.....	.....	41 70	40 69	40 52	16 68	11 62	20 26	27 56	.....	199 03
Grenville	.....	.....	8 75	456 63	942 25	894 25	1,182 58	1,160 15	1,142 58	744 51	.....	6,531 70
St. Anne's	.....	.....	0 85	162 15	289 84	347 52	313 71	294 12	281 55	141 16	.....	1,830 90
Total, Ottawa Canals	.....	.....	9 60	5,002 99	5,618 00	4,802 80	4,572 66	3,813 03	3,384 14	2,235 99	.....	29,439 21

RIDEAU CANAL.												
Kingston Mills				131 16	137 80	170 15	259 40	217 08	157 16	150 01		1,222 76
Ottawa				252 35	448 92	537 42	303 06	441 97	487 80	363 21		2,834 73
Smith's Falls				103 93	147 09	259 12	184 03	115 80	84 74	47 57		942 28
Total, Rideau Canal				487 44	733 81	966 69	746 49	774 85	729 70	560 79		4,999 77
ST. PETER'S CANAL.												
St. Peter's	28 34		121 17	303 74	391 42	502 73	582 99	364 09	392 02	330 04	276 80	3,293 34
TRENT VALLEY CANALS.												
Bobcaygeon			12 81	57 48	91 55	75 25	79 39	51 50	47 36	34 30		449 64
Buckhorn			2 50	1 50	12 12	27 05	31 45	22 74	0 50	3 10		100 96
Burleigh			2 50	9 29	16 45	9 83	28 19	40 23	103 69	31 45		241 63
Fenelon Falls				13 40	26 25	45 89	41 30	41 75	9 50			178 09
Hastings				1 00	4 75	7 75	7 55	8 50	4 75			34 30
Peterborough			2 90	47 55	76 64	121 61	122 65	81 55	38 10	12 45		503 45
Total, Trent Valley Canals			20 71	130 22	227 76	287 38	310 53	246 27	203 90	81 30		1,508 07
MURRAY CANAL.												
Brighton			22 48	107 17	120 90	219 09	254 81	147 43	185 85	77 25		1,134 98
Grand total	28 34	0 42	8,697 24	45,998 92	51,969 83	50,870 24	49,600 42	41,696 13	46,983 46	27,759 72	1,562 25	325,166 97

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

APPENDIX A—*Continued.*

No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of Vessels passed through all the Canals during the Season of Navigation ended December 31, 1903, and the amount of Tolls heretofore collected, now free.

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States. Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
WELLAND CANAL.													$ cts.
Canadian vessels, steam	700	95,950	108,222	84,490	8,096	310	.....	7,258	58,151	188,008	174,469	362,477	5,662 84
" sail	255	24,844	25,602	25,604	908	607	.....	.....	25,254	51,055	51,764	102,819	2,198 82
Total, Canadian	955	120,794	133,824	110,094	9,004	917	.....	7,258	83,405	239,063	226,233	465,296	7,861 66
United States vessels, steam	620	175	70	52,882	2,901	200,797	164,535	1,836	86,931	255,690	254,437	510,127	7,658 09
" sail	212	6	173	12,190	1,438	18,849	12,310	601	16,006	31,646	29,927	61,573	1,370 85
Total, United States	832	181	243	65,072	4,339	219,646	176,845	2,437	102,937	287,336	284,364	571,700	9,028 94
Grand Total, Welland Canal	1,787	120,975	134,067	175,166	13,343	220,563	176,845	9,695	186,342	526,399	510,597	1,036,996	16,890 60
ST. LAWRENCE CANALS.													
Canadian vessels, steam	3,561	444,024	370,857	24,031	.....	.....	114	.....	35,055	468,055	406,026	874,081	6,124 74
" sail	4,885	636,511	507,671	37,622	368	.....	339	.....	69,496	674,133	577,874	1,252,007	12,081 72
Total, Canadian	8,446	1,080,535	878,528	61,653	368	.....	453	.....	104,551	1,142,188	983,900	2,126,088	18,206 46
United States vessels, steam	808	3,182	3,715	67,354	.....	18,502	18,170	203	68,357	89,241	90,242	179,483	1,208 06
" sail	444	1,801	9,356	25,653	.....	342	2,086	16,379	26,025	44,175	37,467	81,642	890 41
Total, United States	1,252	4,983	13,071	93,007	.....	18,844	20,256	16,582	94,382	133,416	127,709	261,125	2,098 47
Grand Total, St. Lawrence Canals	9,698	1,085,518	891,599	154,660	368	18,844	20,709	16,582	198,629	1,275,604	1,111,609	2,387,213	20,304 93

CHAMBLY CANAL.														
Canadian vessels, steam	337	38,945	38,925						28	38,945	38,953	77,898	259	70
" sail	599	6,687	7,713	6,396					11,754	13,083	19,467	32,550	452	24
Total, Canadian	936	45,632	47,638	6,396					11,782	52,028	58,420	110,448	711	94
United States vessels, steam	27	89		58					287	147	287	434	7	34
" sail	2,482	82	2,356	98,776					130,912	98,858	133,268	232,126	2,882	47
Total, United States	2,509	171	2,356	98,834					131,199	99,005	133,555	232,560	2,889	81
Grand Total, Chambly Canal	3,445	45,803	6,994	105,230					142,981	151,033	191,975	343,008	3,601	75
OTTAWA CANALS.														
Canadian vessels, steam	988	40,175	96,694							40,175	96,644	136,819	887	94
" sail	977	4,010	108,941		4,135					4,010	113,076	117,086	1,639	13
Total Canadian	1,965	44,185	205,585		4,135					44,185	209,720	253,905	2,527	07
United States vessels, steam														
" sail	129	1,813			10,746					1,813	10,746	12,559	300	17
Total United States	129	1,813			10,746					1,813	10,746	12,559	300	17
Grand Total, Ottawa Canals	2,094	45,998	205,585		14,881					45,998	220,466	266,464	2,827	24
RIDEAU CANAL.														
Canadian vessels, steam	2,154	49,278	47,489	12,030					13,900	61,308	61,389	122,697	960	07
" sail	1,519	18,118	18,300	436	109				545	18,554	18,954	37,508	604	48
Total Canadian	3,673	67,396	65,789	12,466	109				14,445	79,862	80,343	160,205	1,564	55
United States vessels, steam	89	189	86	469					611	658	697	1,355	22	86
" sail	204	1,551	3,199	446	2,449				374	1,997	6,022	8,019	155	66
Total United States	293	1,740	3,285	915	2,449				985	2,655	6,719	9,374	178	52
Grand Total, Rideau Canal	3,966	69,136	69,074	13,381	2,558				15,430	82,517	87,062	169,579	1,743	07
ST. PETER'S CANAL.														
Canadian vessels, steam	325	23,873	19,905							23,873	19,905	43,778	875	21
" sail	1,424	35,733	38,465					328		36,061	38,465	74,526	1,493	60
Total Canadian	1,749	59,606	58,370					328		59,934	58,370	118,304	2,368	81

No. (A) 17.—Summary Statement showing the Number, Tonnage and Nationality of Vessels, &c.—*Concluded.*

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
St. Peter's Canal—*Concluded*													$ cts.
United States vessels, steam	6	201	224		88			171		372	312	684	13 68
" sail	5	33	49					23		56	49	105	2 21
Total United States	11	234	273		88			194		428	361	789	15 89
Grand Total, St. Peter's Canal	1,760	59,840	58,643		88			194		60,362	58,731	119,093	2,384 79
Trent Valley Canals.													
Canadian vessels, steam	2,283	60,233	60,842							60,233	60,842	121,075	636 40
" sail	316	14,300	13,253							14,300	13,253	27,553	74 15
Total Canadian	2,599	74,533	74,095							74,533	74,095	148,628	710 55
United States vessels, steam													
" sail													
Total United States													
Grand Total, Trent Valley Canal	2,599	74,533	74,095							74,533	74,095	148,628	710 55
Murray Canal.													
Canadian vessels, steam	526	80,009	73,592	27,289	157				23,456	107,298	97,205	204,503	212 16
" sail	207	3,226	3,842	1,361					1,087	4,587	4,929	9,516	41 73
Total Canadian	733	83,235	77,434	28,650	157				24,543	111,885	102,134	214,019	253 89
United States vessels, steam	16	96	196	447			37		86	543	319	862	3 61
" sail	13	9	265	273					152	282	417	699	3 71
Total United States	29	105	461	720			37		239	825	736	1,561	7 32
Grand Total, Murray Canal	762	83,340	77,895	29,370	157		37		24,781	112,710	102,870	215,580	261 21

SAULT STE. MARIE CANAL.

Canadian vessels, steam	2,464	454,256	513,922	118,014	82,150	6,101	2,629	128,394	134,992	706,765	733,693	1,440,458	
" sail	247	31,086	34,784	3,110	47,691			52,916	5,894	87,112	88,369	165,481	
Total Canadian	2,711	485,342	548,706	121,124	129,841	6,101	2,629	181,310	140,886	793,877	822,062	1,615,939	
United States vessels, steam	1,432	4,126	3,832	6,235	36,443	1,370.884	1,371,485	70,885	6,095	1,452,130	1,417,855	2,869,985	
" sail	208	661	647	425	11,182	126,813	120,791	16,303		144,202	132,620	276,822	
Total United States	1,640	4,787	4,479	6,660	47,625	1,497,697	1,492,276	87,188	6,095	1,596,332	1,550,475	3,146,807	
Grand Total, Sault Ste. Marie Canal	4,351	490,129	553,185	127,784	177,466	1,503,798	1,494,905	268,498	146,981	2,390,209	2,372,537	4,762,746	

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1903.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 17.—Summary Statement showing the Number, Tonnage and Nationality of Vessels, &c.—*Concluded.*

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
St. Peter's Canal—*Concluded*													$ cts.
United States vessels, steam	6	201	224		88			171		372	312	684	13 68
" sail	5	33	49					23		56	49	105	2 21
Total United States	11	234	273		88			194		428	361	789	15 89
Grand Total, St. Peter's Canal	1,760	59,840	58,643		88			194		60,362	58,731	119,093	2,384 79
Trent Valley Canals.													
Canadian vessels, steam	2,283	60,233	60,842							60,233	60,842	121,075	636 40
" sail	316	14,300	13,253							14,300	13,253	27,553	74 15
Total Canadian	2,599	74,533	74,095							74,533	74,095	148,628	710 55
United States vessels, steam													
" sail													
Total United States													
Grand Total, Trent Valley Canal	2,599	74,533	74,095							74,533	74,095	148,628	710 55
Murray Canal.													
Canadian vessels, steam	526	80,009	73,592	27,289	157				23,456	107,298	97,205	204,503	212 16
" sail	207	3,226	3,842	1,361					1,087	4,587	4,929	9,516	41 73
Total Canadian	733	83,235	77,434	28,650	157				24,543	111,885	102,134	214,019	253 89
United States vessels, steam	16	96	196	447			37		86	543	319	862	3 61
" sail	13	9	265	273					152	282	417	699	3 71
Total United States	29	105	461	720			37		239	825	736	1,561	7 32
Grand Total, Murray Canal	762	83,340	77,895	29,370	157		37		24,781	112,710	102,870	215,580	261 21

SAULT STE. MARIE CANAL.

Canadian vessels, steam	2,464	454,256	513,922	118,014	82,150	6,101	2,629	128,394	134,992	706,765	733,693	1,440,458	
" sail	247	31,086	34,784	3,110	47,691	.....	.....	52,916	5,894	87,112	88,369	165,481	
Total Canadian	2,711	485,342	548,706	121,124	129,841	6,101	2,629	181,310	140,886	793,877	822,062	1,615,939	
United States vessels, steam	1,432	4,126	3,832	6,235	36,443	1,370.884	1,371,485	70,885	6,095	1,452,130	1,417,855	2,869,985	
" sail	208	661	647	425	11,182	126,813	120,791	16,303	.....	144,202	132,620	276,822	
Total United States	1,640	4,787	4,479	6,660	47,625	1,497,697	1,492,276	87,188	6,095	1,596,332	1,550,475	3,146,807	
Grand Total, Sault Ste. Marie Canal	4,351	490,129	553,185	127,784	177,466	1,503,798	1,494,905	268,498	146,981	2,390,209	2,372,537	4,762,746	

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1903.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of Vessels, &c.—*Concluded.*

RECAPITULATION.

Vessels.	Total Number	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
CANADIAN VESSELS. *Steam and Sail.*													$ cts.
Welland	955	120,794	133,824	110,094	9,004	917		7,258	83,405	239,063	226,233	465,296	7,861 66
St. Lawrence	8,446	1,080,535	878,528	61,653	368		453		104,551	1,142,188	983,900	2,126,088	18,206 46
Chambly	936	45,632	46,638	6,396					11,782	52,028	58,420	110,448	711 94
Ottawa	1,965	44,185	205,585		4,135					44,185	209,720	253,905	2,527 07
Rideau	3,673	67,396	65,789	12,466	109				14,445	79,862	80,343	160,205	1,564 55
St. Peter's	1,749	59,606	58,370					328		59,934	58,370	118,304	2,368 81
Trent Valley	2,599	74,533	74,095							74,533	74,095	148,628	710 55
Murray	733	83,235	77,434	28,650	157				24,543	111,885	102,134	214,019	253 89
Sault Ste. Marie	2,711	485,342	548,706	121,124	129,841	6,101	2,629	181,310	140,886	793,877	822,062	1,615,939	
Total Canadian	23,767	2,061,258	2,088,969	340,383	143,614	7,018	3,082	188,896	379,612	2,597,555	2,615,277	5,212,832	34,204 93
UNITED STATES VESSELS.													
Welland	832	181	243	65,072	4,339	219,646	176,845	2,437	102,937	287,336	284,364	571,700	9,028 94
St. Lawrence	1,252	4,983	13,071	93,007		18,844	20,256	16,582	94,382	133,416	127,709	261,125	2,098 47
Chambly	2,509	171	2,356	98,834					131,199	99,005	133,555	232,560	2,889 81
Ottawa	129	1,813			10,746					1,813	10,746	12,559	300 17
Rideau	293	1,740	3,285	915	2,449				985	2,655	6,719	9,374	178 52
St. Peter's	11	234	273		88			194		428	361	789	15 89
Trent Valley													
Murray	29	105	461	720			37		238	825	736	1,561	7 32
Sault Ste. Marie	1,640	4,787	4,479	6,660	47,625	1,497,697	1,492,276	87,188	6,095	1,596,332	1,550,475	3,146,807	
Total United States	6,695	14,014	24,168	265,208	65,247	1,736,187	1,689,414	106,401	335,836	2,121,810	2,114,665	4,236,475	14,519 12
Grand total, Canadian and United States	30,462	2,075,272	2,113,137	605,591	208,861	1,743,205	1,692,496	295,297	715,448	4,719,365	4,729,942	9,449,307	48,724 05

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 18.—COMPARATIVE STATEMENT of Grand Total Freight passed through the undermentioned Canals during the Seasons of Navigation 1902 and 1903, and the Amount of Tolls hitherto collected, now free, on the same, including Tolls on Vessels and Passengers.

Canals.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
1902.												$ cts.
Welland	38,395	178,605	11,365	25,793	44,928	224,110	66	152,125	84,754	580,633	665,387	98,601 50
St. Lawrence	273,520	656,642	6,944	160	486	996	9,499	144,892	290,449	802,684	1,093,133	65,081 11
Chambly	12,607	16,236	254,160					96,439	266,767	112,675	379,442	22,713 31
Ottawa	82	411,055		33,545					82	444,600	444,682	24,852 37
Rideau	28,032	10,104	4,250	4,108				4,385	32,282	18,597	50,879	3,831 15
St. Peter's	31,716	41,422		200			200		31,916	41,622	73,538	3,034 14
Trent Valley	29,495	12,195							29,495	12,195	41,690	1,328 98
Murray	17,112	10,294	5,601					2,171	22,713	12,465	35,178	1,060 80
Sault Ste. Marie	108,126	727,927	25,892	278,678	470,414	2,775,536	180,478	162,217	784,910	3,944,358	4,729,268	No Tolls.
Grand Total	529,085	2,064,480	308,212	342,484	515,828	3,000,636	190,243	562,229	1,543,368	5,969,829	7,513,197	220,503 36
1903.												
Welland	64,380	189,802	51,763	30,350	149,151	221,074	4,796	291,603	270,090	732,829	1,002,919	136,842 89
St. Lawrence	322,851	852,190	117,407		338	5,661	18,001	364,758	458,597	1,222,609	1,681,206	123,189 47
Chambly	6,534	7,975	218,567					113,495	225,101	121,470	346,571	24,759 24
Ottawa	922	396,561		38,990					922	435,551	436,473	29,439 21
Rideau	24,168	21,640	1,913	6,317				7,082	26,081	35,039	61,120	4,999 77
St. Peter's	39,427	51,062		375					39,427	51,437	90,864	3,293 34
Trent Valley	26,094	16,313							26,094	16,313	42,407	1,508 07
Murray	12,118	11,585	6,066					620	18,184	12,205	30,389	1,134 98
Sault Ste. Marie	151,656	844,238	34,458	332,468	713,848	2,904,081	350,659	180,460	1,250,621	4,261,247	5,511,868	No Tolls.
Grand Total	648,150	2,391,366	430,174	408,500	863,337	3,130,816	373,456	958,018	2,315,117	6,888,700	9,203,817	325,166 97

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

No. (A) 19.—COMPARATIVE STATEMENT of the Traffic on all the Canals, for the Years ended December 31, 1902 and 1903.

Articles.	1902.	1903.	Increase.	Decrease.
Class No. 1.	Tons.	Tons.	Tons.	Tons.
Canadian vessels, steam	2,814,214	3,383,786	569,572	
United States vessels, steam	3,318,779	3,562,930	244,151	
Canadian vessels, sail	1,671,481	1,829,046	157,565	
United States vessels, sail	767,660	673,545		94,115
Total, class No. 1	8,572,134	9,449,307	971,288	94,115
Class No. 2.	No.	No.	No.	No.
Passengers	188,086	236,823	48,737	
Class No. 3.	Tons.	Tons.	Tons.	Tons.
Bricks	17,934	11,086		6,898
Brimstone	785	2,014	1,229	
Cement and water lime	22,614	28,600	5,986	
Clay, lime and sand	102,654	117,244	14,590	
Fish	4,339	5,593	1,254	
Gypsum	831	1,498	667	
Iron, railway	43,794	93,746	49,952	
" pig	20,147	20,784	637	
" all other	54,975	59,678	4,703	
Steel	2,104	8,515	6,411	
Salt	29,451	32,844	3,393	
Stone, for cutting	3,228	359		2,869
Apples	7,695	13,480	5,785	
Barley	38,137	51,003	12,866	
Buckwheat	1,039	2,153	1,114	
Corn	81,645	338,132	256,487	
Cotton, raw	24	25	1	
Flax and hemp	635	3,775	3,140	
Four	357,104	359,848	2,744	
Hay, pressed	41,537	50,129	8,592	
Meals, all kinds	29,321	29,989	668	
Oil cake	6,677	13,018	6,341	
Oats	46,717	66,621	19,904	
Pease	1,820	1,934	114	
Potatoes	4,802	6,804	2,002	
Rye	23,058	16,672		6,386
Flax seed	64,665	78,162	13,497	
Seeds, all kinds	8,303	6,828		1,475
Tobacco, raw	39	73	34	
Wheat	1,309,218	1,433,288	124,070	
All other agricultural products, vegetable	9,178	3,219		5,959
Bones	41	402	361	
Cattle	1,538	1,236		302
Hogs	314	384	70	
Hides and skins, horns and hoofs	286	265		21
Horses	1,258	1,573	315	
Lard and lard oil	2,868	802		2,066
Meats, other than pork	141	229	88	
Pork	1,740	1,313		427
Sheep	743	687		56
Tallow	478	159		319
Wool	2,188	2,601	413	
All other agricultural products, animal	7,965	10,633	2,668	
Total, class No. 3	2,354,080	2,877,398	550,096	26,778
Class No. 4.				
Ashes, pot and pearl	23	194	171	
Agricultural implements	873	589		284
Crockery and earthenware	947	1,400	453	
Dye woods and dye stuffs	142	137		5
Furniture	1,858	2,675	817	
Glass, all kinds	3,522	4,750	1,228	
Marble	1,262	1,521	259	
Manilla	737	1,108	371	
Molasses	1,426	1,777	351	
Nails	7,999	11,782	3,783	
Oil, in barrels	19,240	22,955	3,715	
Paint	1,953	2,645	692	
Pitch and tar	2,273	2,843	570	

No. (A) 19.—COMPARATIVE STATEMENT of the Traffic on all the Canals for the Years ended Dec. 31, 1902 and 1903.—*Concluded.*

ARTICLES.	1902.	1903.	Increase.	Decrease.
Class No. 4—Concluded.	Tons.	Tons.	Tons.	Tons.
Rags	847	833		14
Resin	4,639	4,434		205
Soda ash	1,150	1,555	405	
Sugar	14,353	8,190		6,163
Stone, wrought	1,407	111		1,296
Tin	2,869	1,255		1,614
Turpentine	290	126		164
White lead	450	572	122	
Whiting	664	930	266	
Whisky and all other spirits	2,876	5,000	2,124	
Merchandise, not enumerated	188,854	231,118	42,264	
Total, class No. 4	260,654	308,500	57,591	9,745
Class No. 5.				
Bark	478	209		269
Barrels, empty	1,067	1,693	626	
Boat knees				
Floats	61,252	44,797		16,455
Firewood, in vessels	307,172	320,765	13,593	
" in rafts	3,222	125		3,097
Lumber sawn, in vessels	557,607	583,522	25,915	
" in rafts	1,146	2,936	1,790	
Hoops		1	1	
Railway ties, in vessels	7,653	4,603		3,050
" in rafts	32	615	583	
Masts, spars and telegraph poles, in vessels	207	499	292	
" " in rafts	25,857	21,030		4,827
Square timber, in vessels	26,281	34,286	8,005	
" in rafts	19,593	7,522		12,071
Woodenware and wood partly manufactured	301	116		185
Shingles	9,817	12,720	2,903	
Split posts and fence rails, in vessels	374	2,105	1,731	
" " in rafts	20			20
Saw-logs	24,144	20,540		3,604
Staves and headings, barrel	85	96	11	
" " pipe				
" " West India				
" " salt barrel				
Traverses	100	20		80
Hop poles	18	2		16
Total, class No. 5	1,046,426	1,058,202	55,450	43,674
Special Class.				
Coal	782,053	1,590,595	808,542	
Kryolite or chemical ore	19,804	18,314		1,490
Iron ore	2,556,279	2,703,827	147,548	
Stone, unwrought, not suitable for cutting	30,193	18,517		11,676
Ice	15	1,080	1,065	
Total, special class	3,388,344	4,332,333	957,155	13,166
Total, freight	7,049,504	8,576,433	1,526,929	
Timber and other wood, free	68,615	68,487		128
Wheat, corn, flour, iron, salt, coal, &c., free	395,078	558,897	163,819	
Grand total, passengers and tonnage of vessels not included	7,513,197	9,203,817	1,690,748	128
Total, increase and decrease			1,784,111	93,491
Freight, grand total, increase			1,690,620	

OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Statistics.

APPENDIX A—*Continued.*

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1903.

WELLAND CANAL.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
8	20	160	4	32	22	176	3	24
10	8	80	2	20	2	80	13	130
15	5	75	.....	.....	6	90	2	30
20	3	60	1	20	2	40	.....	.....
25	9	225	.....	.....	5	125	4	100
30	9	270	3	90	3	90	3	90
35	2	70	.....	.....	2	70	.....	.....
40	3	120	.....	.....	1	40	1	40
50	.....	.....	2	100	1	50	1	50
55	.....	.....	2	110	.....	.....	2	110
60	3	180	5	300	1	60	1	60
65	.....	.....	1	65	1	65	.....	.....
70	.....	.....	.....	.....	1	70	1	70
75	.....	.....	1	75	1	75	3	225
80	.....	.....	.....	.....	.....	.....	1	80
85	4	340	1	85	1	85	.....	.....
90	.....	.....	.....	.....	.....	.....	.....	.....
95	1	95	.....	.....	1	95	.....	.....
100	1	100	.....	.....	.....	.....	3	300
110	.....	.....	.....	.....	2	220	.....	.....
130	.....	.....	.....	.....	1	130	.....	.....
150	.....	.....	1	150	.....	.....	.....	.....
160	.....	.....	.....	.....	1	160	.....	.....
165	2	330	.....	.....	.....	.....	.....	.....
175	.....	.....	1	175	2	350	.....	.....
190	.....	.....	.....	.....	1	190	1	190
195	1	195	1	195	.....	.....	1	195
220	1	220	.....	.....	1	220	2	440
230	.....	.....	1	230	2	460	.....	.....
260	.....	.....	.....	.....	2	520	.....	.....
265	1	265	1	265	.....	.....	.....	.....
270	.....	.....	2	540	.....	.....	1	270
285	.....	.....	1	285	.....	.....	1	285
295	.....	.....	1	295	.....	.....	.....	.....
300	1	300	1	300	.....	.....	1	300
305	.....	.....	.....	.....	.....	.....	1	305
310	1	310	1	310	.....	.....	.....	.....
315	1	315	1	315	2	630	5	1,575
320	1	320	1	320	.....	.....	2	640
330	1	330	2	660	2	660	.....	.....
360	2	720	.....	.....	2	720	1	360
400	1	400	2	800	2	800	.....	.....
415	2	830	.....	.....	1	415	.....	.....
435	.....	.....	.....	.....	.....	.....	3	1,305
455	1	455	.....	.....	.....	.....	.....	.....
460	1	460	1	460	1	460	2	920
485	1	485	5	2,425	1	485	2	970
495	2	990	.....	.....	.....	.....	.....	.....
500	1	500	.....	.....	.....	.....	.....	.....
520	.....	.....	.....	.....	.....	.....	1	520
525	.....	.....	1	525	.....	.....	.....	.....
530	1	530	1	530	.....	.....	1	530
540	1	540	.....	.....	1	540	.....	.....
555	1	555	.....	.....	1	555	.....	.....
560	.....	.....	.....	.....	1	560	.....	.....
575	1	575	.....	.....	.....	.....	.....	.....
585	.....	.....	.....	.....	.....	.....	3	1,755
595	.....	.....	.....	.....	1	595	1	595

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels, &c.—*Continued.*

WELLAND CANAL—*Concluded.*

Canadian.					United States.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
600	1	600					1	600
615					1	615	1	615
645			1	645	1	645		
660					2	1,320		
665	1	665						
675							1	675
690	1	690			1	690	1	690
719			1	719	1	719		
739							1	739
742	1	742	1	742				
771					1	771		
802					4	3,208	3	2,406
870					1	870	1	870
882			1	882				
908			1	908	4	3,632		
929					3	2,787		
940					3	2,820		
959					2	1,918		
977	1	977			1	977		
989	1	989	1	989	3	2,967		
994	2	1,988					1	994
1,023	2	2,046						
1,029					1	1,029		
1,035	1	1,035			2	2,070		
1,041			1	1,041	1	1,041		
1,054					1	1,054		
1,078					1	1,078		
1,079	1	1,079						
1,118	1	1,118			2	2,236		
1,160	2	2,320						
1,172	6	7,032			1	1,172		
1,202	1	1,202						
1,203	2	2,406			2	2,406		
1,330	1	1,330			1	1,330		
1,425					3	4,275		
1,441	3	4,323			1	1,441		
1,547					1	1,547		
1,550					4	6,200		
1,565					3	4,695		
1,762					1	1,762		
1,930					1	1,930		
Total...	121	41,942	54	15,603	131	69,086	77	20,053

ST. LAWRENCE CANALS.

8	25	200	2	16	2	16		
10	6	60	1	10	2	20	1	10
15	5	75	1	15	1	15		
20	5	100	2	40	2	40	1	20
25	8	200			3	75		
30	13	390	1	30	1	30		
35	3	105	1	35	2	70	1	35
40	5	200	2	80	4	160	3	120
45	3	135	1	45	1	45		
50	6	300	4	200	1	50	1	50
55	2	110			1	55		

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1903.

ST. LAWRENCE CANALS—*Continued.*

	CANADIAN.				UNITED STATES.			
	Steam Vessels.		Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
60	4	240	12	720	3	180		
65	1	65			2	130		
70	3	210	1	70				
75			1	75			1	75
80			1	80				
85	2	170	6	510			2	170
90	4	360	8	720			7	630
95	3	285	3	285	2	190	42	3,990
100	4	400	15	1,500			46	4,600
105	5	525	8	840	2	210	7	735
110	3	330	6	660	1	110	4	440
115	3	345	9	1,035	1	115	4	460
120	2	240	4	480	1	120	2	240
125	1	125	3	375			2	250
130	3	390			1	130		
135	1	135	4	540				
140	1	140	6	840	1	140	1	140
145	2	290	10	1,450				
150	1	150	18	2,700				
155	2	310	22	3,410				
160	1	160	12	1,920			2	320
165			7	1,155				
170			2	340				
175			4	700				
180					1	180		
185			5	925			1	185
190			1	190	1	190		
195	2	390	2	390				
200	1	200			1	200		
210	1	210						
225					1	225		
230	1	230	3	690				
240	1	240						
255			3	765				
260			1	260				
265	1	265	3	795				
275			1	275				
280	1	280						
285							2	570
290			2	580				
295			2	590				
300			5	1,500				
305			3	915				
310	1	310	1	310				
315			3	945				
320	1	320	3	960	1	320		
325	1	325	2	650				
330	1	330	1	330	1	330		
335			4	1,340				
340	1	340	1	340				
345			2	690			1	345
360	2	720	3	1,080				
365			3	1,095				
370			2	740				
375	1	375	2	750				
380			1	380				
385			1	385				
395			2	790				
412	2	824						
413			1	413				

No. (A) 20.—Statement of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1903.

St. Lawrence Canals—*Concluded.*

Canadian.					United States.			
Steam Vessels.			Sailing Vessels.		Steam Vessels.		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
419			2	838			1	419
434			1	434				
439			2	878			1	439
440			1	440				
450	1	450						
462			1	462				
471	2	942						
475			1	475			1	475
479			2	958				
480	1	480	2	960				
484	1	484						
487			1	487				
499	1	499	1	499				
500	1	500						
508	1	508						
516			2	1,032				
518			2	1,036				
530	1	530						
539	1	539	1	539				
541	1	541	2	1,082				
544	1	544						
567			1	567				
578	1	578	1	578				
585			1	585			1	585
586	1	586	1	586				
590			1	590				
599	1	599						
607	1	607	2	1,214				
620					1	620		
648	2	1,296			1	648		
680			2	1,360				
715	1	715						
719			1	719				
740	1	740	1	740				
781	1	781						
803			1	803				
920					2	1,840		
929					1	929		
944					1	944		
952					1	952		
955					1	955	1	955
970	1	970						
987					2	1,974		
997	1	997			1	997		
1,020	1	1,020						
1,038	2	2,076						
1,041			1	1,041				
1,147					1	1,147		
1,171	1	1,171						
1,187	1	1,187						
1,190	1	1,190						
1,197	1	1,197						
1,201	1	1,201						
1,609					1	1,609		
2,080	1	2,080						
Total.....	177	37,112	274	58,852	53	15,961	136	16,258

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1903.

RIDEAU, OTTAWA AND CHAMBLY CANALS.

CANADIAN.					UNITED STATES.			
Steam Vessels.			Sailing Vessels.		Steam Vessels		Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
8	93	744	62	496	8	64	1	8
10	3	30	7	70	3	30		
15	12	180	4	60			1	15
20	6	120	5	100				
25	3	75	3	75	2	50		
30	1	30	1	30				
35	1	35	2	70	1	35		
40	2	80	2	80				
45	4	180	6	270				
50	4	200	6	300				
55	1	55	2	110				
60	1	60	2	120			1	60
65								
70	1	70						
75			3	225				
80			2	160			1	80
85	1	85	2	170			11	935
90			1	90			46	4,140
95	2	190	9	855			281	26,695
100	3	100	7	700			89	8,900
105			3	315			35	3,675
110			6	660			38	4,180
115							15	1,725
120	1	120	2	360			3	360
125	1	125	2	250			2	250
130			3	390			1	130
135			5	675			3	405
140	1	140	8	1,120				
145	1	145	6	870			1	45
150	1	150	15	225				
155			17	2,635				
160			5	800				
165			6	990				
170			2	340				
175			1	175				
180								
185			3	555				
190								
195	1	195	1	195				
200								
228	2	456						
262	1	262						
298	1	298						
300			3	900				
372	1	372						
374			1	374				
397	1	397						
Total....	150	4,894	215	15,810	14	179	529	51,603

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Concluded.*

No. (A) 21.—STATEMENT showing the Classified Tonnage of all kinds of Vessels passed through the Canals, during the Season of Navigation in 1903.

WELLAND CANAL.

CANADIAN.								UNITED STATES.							
Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.	Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,930 tons ..	49	39,422	1	250 to 1,930 tons ..	28	13,956	1	250 to 1,930 tons ..	71	66,145	1	250 to 1,930 tons ..	35	17,919
2	200 " 249 " ..	1	220	2	200 " 249 " ..	1	230	2	200 " 249 " ..	3	680	2	200 " 249 " ..	2	440
3	150 " 199 " ..	3	525	3	150 " 199 " ..	3	520	3	150 " 199 " ..	4	700	3	150 " 199 " ..	2	385
4	100 " 149 " ..	1	100	4	100 " 149 " ..	3	520	4	100 " 149 " ..	3	350	4	100 " 149 " ..	3	300
5	50 " 99 " ..	8	615	5	50 " 99 " ..	12	735	5	50 " 99 " ..	7	500	5	50 " 99 " ..	9	595
6	Under 50 " ..	59	1,060	6	Under 50 " ..	10	162	6	Under 50 " ..	43	711	6	Under 50 " ..	26	414
	Total.....	121	41,942		Total.....	54	15,603		Total.....	131	69,086		Total.....	77	20,953

ST. LAWRENCE CANALS.

1	250 to 2,080 tons ..	44	29,097	1	250 to 1,041 tons ..	86	35,781	1	250 to 1,609 tons ..	15	13,265	1	250 to 955 tons.....	8	3,788
2	200 " 249 " ..	4	880	2	200 " 249 " ..	3	690	2	200 " 249 " ..	2	425	2	200 " 249 "	.....	.....
3	150 " 199 " ..	6	1,010	3	150 " 199 " ..	73	11,730	3	150 " 199 " ..	2	370	3	150 " 199 "	3	505
4	100 " 149 " ..	25	2,920	4	100 " 149 " ..	65	7,720	4	100 " 149 " ..	7	825	4	100 " 149 "	66	6,865
5	50 " 99 " ..	25	1,740	5	50 " 99 " ..	36	2,660	5	50 " 99 " ..	9	605	5	50 " 99 "	53	4,915
6	Under 50 " ..	73	1,465	6	Under 50 " ..	11	271	6	Under 50 " ..	18	471	6	Under 50 "	6	185
	Total.....	177	37,112		Total.....	274	58,852		Total.....	53	15,961		Total.....	136	16,258

RIDEAU, OTTAWA AND CHAMBLY CANALS.

1	250 to 397 tons.....	4	1,329	1	250 to 374 tons.....	4	1,274	1	250 to —— tons.....	.....	.....	1	250 to —— tons.....	.....	.....
2	200 " 249 " ..	2	456	2	200 " 249 "	.....	.....	2	200 " 249 "	.....	.....	2	200 " 249 "	.....	.....
3	150 " 199 " ..	2	345	3	150 " 199 "	50	5,915	3	150 " 199 "	.....	.....	3	150 " 199 "	.....	.....
4	100 " 149 "	7	730	4	100 " 149 "	42	5,340	4	100 " 149 "	.....	.....	4	100 " 149 "	187	19,670
5	50 " 99 "	10	660	5	50 " 99 "	27	2,030	5	50 " 99 "	.....	.....	5	50 " 99 "	340	31,910
6	Under 50 "	125	1,474	6	Under 50 "	92	1,251	6	Under 50 "	14	179	6	Under 50 "	2	23
	Total.....	150	4,894		Total.....	215	15,810		Total.....	14	179		Total.....	529	51,603

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 16, 1904.

RICHARD DEVLIN,
Compiler of Canal Statistics.

CANALS

CONSOLIDATED

No. 22.—RATES OF TOLLS ON THE CANALS

WELLAND, ST. LAWRENCE, RIDEAU, OTTAWA, CHAMBLY AND MURRAY CANALS.

(O. C., April 18, 1873.)

The Rates of Tolls are divided into Six Classes, as under, and are per ton, unless otherwise specified.	Welland Canal, westward.	Welland Canal, eastward.	Lake Erie to Montreal.	St. Lawrence Canals, each way.	Chambly Canal and St. Ours Lock.	Rideau Canal, each way.	Ottawa Canals, and St. Ann's Lock, each way.	Ottawa to St. Johns, each way.	Murray Canal, each way.
Class No. 1.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.
Vessel, steam.....per ton	01½	0 01½	0 02¼	0 00¾	0 00¾	0 01½	0 00⅝	0 01½	0 3/32
" sail and other.....	0 02¼	0 02¼	0 03¾	0 01½	0 01¼	0 02¼	0 01	0 02⅝	0 1/16
Class No. 2.									
Passengers, 21 years of age and upwards...	0 10	0 10	0 20	0 10	0 05	0 08	0 02¼	0 09¾	0 1¼
" under 21 years each.....	0 05	0 05	0 10	0 05	0 02	0 04	0 01¼	0 04½	0 0⅝
Class No. 3.									
Bricks, cement and water lime.....									
Clay, lime and sand.....									
Brimstone.....									
Corn.....									
Flour.....									
Iron, railway.....									
" pig									
" all other, including steel (O.C., Feb. 1, 1888).....	15	0 20	0 20	0 15	0 10	0 07	0 06	0 19¾	0 1⅞
Plaster, gypsum.....									
Salt									
Salt meats or fish, in barrels or otherwise...									
Agricultural products, vegetable, not enumerated.....									
Agricultural products, animal, not enumerated.....									
Stone, for cutting									
Wheat.....									
Class No. 4.									
All other articles not enumerated.....	0 15	20	0 20	0 20	0 10	0 26	0 14	0 29	0 2½

REVENUE.

TARIFF OF TOLLS.

OF THE DOMINION OF CANADA, 1902.—(1903—Free, O.C., April 27, 1903.)

TRENT VALLEY CANALS.

(O. C., July 25, 1888.)

1st Section.	2nd Section.	3rd Section.	4th Section.	Through.	Peterborough to Hastings, each way.
Fenelon Falls to Bobcaygeon.	Bobcaygeon to Buckhorn.	Buckhorn to Burleigh.	Burleigh to Lakefield.	Fenelon Falls to Lakefield.	Tolls Chargeable at Peterborough and Hastings.
Tolls Chargeable at Fenelon Falls.	Tolls Chargeable at Bobcaygeon.	Tolls Chargeable at Buckhorn.	Tolls Chargeable at Burleigh.	Tolls Chargeable at Fenelon Falls.	
$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.
0 00 3/16 0 00 1/4	0 00 3/16 0 00 1/4	0 00 3/16 0 00 1/4	0 00 3/16 0 00 1/4	0 00 3/4 0 01	0 00 3/16 0 00 1/4
01 0 00 1/2	0 01 0 00 1/2	0 01 0 00 1/2	0 01 0 00 1/2	0 04 0 02	0 01 0 00 1/2
0 01	01	01	01	0 04	0 01
0 03	0 03	0 03	0	0 1	0 0

RATES OF TOLLS

WELLAND, ST. LAWRENCE, RIDEAU, OTTAWA, CHAMBLY AND MURRAY CANALS

The Rates of Tolls are divided into Six Classes, as under, and are per ton, unless otherwise specified.	Welland Canal, westward.	Welland Canal, eastward.	Lake Erie to Montreal.	St. Lawrence Canals, each way.	Chambly Canal and St. Ours Lock, each way.	Rideau Canal, each way.	Ottawa Canals and St. Ann's Lock, each way.	Ottawa to St. Johns, each way.	Murray Canal, each way.
Class No. 5.									
Bark	0 20	0 20	0 20	0 15	0 10	0 07	0 06	0 19¼	0 01⅞
Barrels, empty, each	0 02	0 02	0 02	0 02	0 02	0 02	0 01	0 03½	0 00¼
Boat knees, each	0 05	0 05	0 05	0 02	0 02	0 02	0 01	0 03½	0 00¼
Floats, per 1,000 lineal feet	1 40	1 40	1 40	1 40	1 20	1 05	0 50	2 05	0 17½
Firewood, per cord, in vessels	0 20	0 20	0 20	0 20	0 10	0 15	0 08	0 23	0 02½
" " rafts	0 25	0 25	0 25	0 25	0 15	0 19	0 09	0 30¼	0 03⅜
Hoops	0 25	0 25	0 25	0 20	0 15	0 15	0 10	0 30	0 02½
Masts and spars, telegraph poles, per ton of 40 cubic feet, in vessels	0 15	0 15	0 15	0 05	0 05	0 08	0 07	0 13¼	0 00⅝
Masts and spars, telegraph poles, per ton of 40 cubic feet, in rafts	0 20	0 20	0 20	0 10	0 10	0 15	0 10	0 22½	0 01¼
Railway ties, in vessels, each	0 01	0 01	0 01	0 00½	0 00½	0 00¾	0 00¾	0 01⅜	0 0 1/16
" rafts, each	0 02	0 02	0 02	0 01	0 01	0 02	0 01	0 02¼	0 00⅛
Sawed stuff, boards, plank, scantling and sawed timber, per M feet, board measure, in vessels	0 30	0 30	0 30	0 15	0 10	0 11¼	0 06¾	0 20	0 01⅞
Sawed stuff, boards, plank, scantling and sawed timber, per M feet, board measure, in rafts	0 60	0 60	0 60	0 30	0 20	0 19	0 09	0 36½	0 03¾
Square timber, per M cubic feet, in vessels	3 00	3 00	3 00	1 00	1 00	0 56	0 44	1 69	0 12½
" " rafts	4 50	4 50	4 50	2 00	2 00	1 12	0 63	3 13	0 25
Wagon stuff, woodenware and wood, partly manufactured, per ton of 40 cubic feet	0 40	0 40	0 40	0 40	0 25	0 30	0 20	0 55	0 05
Shingles, per M	0 06	0 06	0 06	0 06	0 04	0 04½	0 02½	0 08	0 00¾
Split posts and fence rails, per M, in vessels	0 40	0 40	0 40	0 40	0 20	0 23	0 12	0 42	0 05
" " " rafts	0 80	0 80	0 80	0 80	0 40	0 38	0 17	0 77	0 10
Saw-logs, each, standard log	0 08	0 08	0 08	0 08	0 05	0 06	0 06	0 13	0 01
Staves and headings, barrel, per M	0 08	0 08	0 08	0 04	0 15	0 15	0 10	0 30	0 02½
" " pipe, per M	1 50	1 50	1 50	1 00	1 00	0 75	0 50	1 75	0 12½
" " West India, per M	0 75	0 75	0 75	0 60	0 25	0 45	0 25	0 65	0 07½
" " salt barrel, sawn or cut, per M	0 08	0 08	0 08	0 04	0 03	0 03	0 02	0 06	0 00½
Traverses, per 100 pieces	0 50	0 50	0 50	0 50	0 40	0 38	0 15	0 67½	0 06¼
Hop poles, per 1,000 pieces	2 00	2 00	2 00	2 00	1 50	1 50	0 65	2 65	0 25
Special Class.									
Gypsum, crude (per O.C., Oct. 28, 1892)	0 15	0 05	0 05	0 05	West ward				
Coal	0 20	0 20	0 20	0 15	0 10	0 08	0 05	0 17¾	0 01⅞
Stone, unwrought, corded, and not suitable for cutting, per cord	0 75	0 75	0 75	0 60	0 37½	0 28	0 24	0 77½	0 07½
Kryolite, iron ore or chemical ore	0 05	0 05	0 05	0 05	0 05	0 05	0 05	0 05	0 05
Ice	0 05	0 05	0 05	0 05	0 05	0 05	0 05	0 11	0 0

SESSIONAL PAPER No. 20

ON THE CANALS—*Continued.*

TRENT VALLEY CANALS.

1st Section.	2nd Section.	3rd Section.	4th Section.	Through.	Peterborough to Hastings, each way.
Fenelon Falls to Bobcaygeon.	Bobcaygeon to Buckhorn.	Buckhorn to Burleigh.	Burleigh to Lakefield.	Fenelon Falls to Lakefield.	
Tolls Chargeable at Fenelon Falls.	Tolls Chargeable at Babcaygeon.	Tolls Chargeable at Buckhorn.	Tolls Chargeable at Burleigh.	Tolls Chargeable at Fenelon Falls.	Tolls Chargeable at Peterborough and Hastings.
$ cts.	$ cst.	$ cts.	$ cts.	$ cts.	$ cts.
0 01	0 01	0 01	0 01	0 04	0 01
0 00¼	0 00¼	0 00¼	0 00¼	0 01	0 00¼
0 00¼	0 00¼	0 00¼	0 00¼	0 01	0 00¼
0 13	0 13	0 13	0 13	0 52	0 13
0 03	0 03	0 03	0 03	0 10	0 03
0 04	0 04	0 04	0 04	0 14	0 04
0 02	0 02	0 02	0 02	0 08	0 02
0 02	0 02	0 02	0 02	0 08	0 02
0 01	0 01	0 01	0 01	0 04	0 01
0 00⅛	0 00⅛	0 00⅛	0 00⅛	0 00½	0 00⅛
0 00¼	0 00¼	0 00¼	0 00¼	0 01	0 00¼
0 03	0 03	0 03	0 03	0 10	0 03
0 04	0 04	0 04	0 04	0 14	0 04
0 07	0 07	0 07	0 07	0 28	0 07
0 14	0 14	0 14	0 14	0 56	0 14
0 04	0 04	0 04	0 04	0 16	0 04
0 00¾	0 00¾	0 00¾	0 00¾	0 03	0 00¾
0 03	0 03	0 03	0 03	0 12	0 03
0 05	0 05	0 05	0 05	0 20	0 05
0 00¾	0 00¾	0 00¾	0 00¾	0 03	0 00¾
0 02	0 02	0 02	0 02	0 08	0 02
0 10	0 10	0 10	0 10	0 40	0 10
0 05½	0 05½	0 05½	0 05½	0 22	0 05½
0 00½	0 00½	0 00½	0 00½	0 02	0 00½
0 05	0 05	0 05	0 05	0 20	0 05
0 20	0 20	0 20	0 20	0 80	0 20
Free.	Free.	Free.	Free.	Free.	Free.
0 01	0 01	0 01	0 01	0 04	0 01
0 03½	0 03½	0 03½	0 03½	0 14	0 03½
0 00¾	0 00¾	0 00¾	0 00¾	0 03	0 00¾
Free.	Free.	Free.	Free.	Free.	Free

St. Peter's Canal.

Sec. **2.** On each and every vessel passing through the said canal, two cents per ton on the vessel and one cent per ton on the freight, each way. O. C. June 23, 1883. Con. O. C. Oct. 26, 1889, sec. 109. Free, O.C., April 27, 1903.

SPECIAL REGULATIONS RELATING TO TOLLS ON SOME OF THE CANALS.

Sec. **3.** Coal may pass up all canals, except the Welland Canal, free of toll. O. C. June 6, 1869. Con. O. C. Oct. 26, 1889, sec. 83. Free, O.C., April 27, 1903.

Sec. **4.** Logs, lumber or other produce may pass free of toll down the Chippawa Creek, between the Aqueduct and Port Robinson. O. C. May 18, 1863. Con. O. C. Oct. 26, 1889, sec. 84.

Sec. **5.** (*a.*) In view of the dam constructed across the Ottawa River at Carillon whereby the passage of the rapids at that point through the river is rendered difficult and at times impracticable, it appears necessary, owing to the continued difficulty attending passage through the slide built in the dam, that the canal should be used by rafts and until otherwise ordered, free passage be given to rafts through the Carillon Canal, subject to such regulations as the Department of Railways and Canals may find necessary in the interest of the trafic of the canal to adopt. O. C. July 6, 1888.

Sec. **5.** (*b.*) "Save in cases for which special permission may be given the Grenville Canal is closed to the passage of rafts, or any portion of a raft of any kind whatever." O. C. June 27, 1890.

Sault Ste. Marie Canal.

Sec. **6.** All vessels and freight shall be permitted to pass through the Sault Ste. Marie Canal free of toll upon such vessels and freight, until otherwise ordered.

Sec. **7.** (*a.*) All up bound goods on which full tolls have been paid for passage through the whole of the St. Lawrence Canals, or for passage through the Lachine Canal, the Ottawa and Rideau Canals or for passage through the Ottawa and Rideau Canals shall be entitled to pass free through the Welland Canal, or any portion thereof, and tolls paid for passage through the Chambly Canal, on goods thereafter so becoming entitled to the above privilege, shall be refunded at Montreal. All down bound goods on which full tolls have been paid for passage through the Welland Canal shall be entitled to pass free through any or all of the above mentioned Canals, or through any portion thereof. O. C. May 17, 1897.

(*b.*) All articles, goods or merchandise, not enumerated above, shall be charged to class No. 4. O. C. April 18, 1873. Con. O. C. Oct. 26, 1889, sec. 86.

Sec. **8.** Goods shipped to any port west of the St. Lawrence Canals, tolls upon which have already been paid for passage through such canals, may be re-shipped from such port and be passed through the Welland Canal free of tolls, in the same way as if they had been shipped through direct in the first instance; and goods going eastward, having paid Welland Canal tolls, may be transhipped at any port on Lake Ontario, and thereafter pass free through the St. Lawrence Canals, as if they had been shipped through direct in the first instance. O. C. June 23, 1883. Con. O. C. Oct. 26, 1889, sec. 87.

Sec. **9.** Iron ore, kryolite or chemical ore, may pass through one section, or through all the canal sections aforesaid, for 5 cents per ton. Free, O.C., April 27, 1903.

Sec. **10.** No let-passes shall be issued to steam tugs or other small vessels for less than 25 cents, as a minimum charge; but such vessels, not carrying freight or passengers, can obtain, on payment of $30 a season "Let-Pass," which will pass them up and down the canals as often as desired. O. C. April 18, 1873. Con. O. C. Oct. 26, 1889, sec. 86. Free, O.C., April 27, 1903.

Sec **11.** All vessels owned or chartered by persons having contracts for the enlargements or repair of any of the canals, and employed by them in removing earth or carrying materials necessary for the prosecution of such works, shall be entitled to pass through such canals free of toll upon such vessel and cargo. O. C. April 22, 1884. Con. O. C. Oct. 26, 1889, sec. 35.

Sec. **12.** Government dredges and scows shall be permitted to pass through the canals free of tolls, but that such dredges and scows shall not be so passed as to interfere with the passage of other vessels of any kind whatever. O. C. May 18, 1891.

HARBOUR DUES.

Sec. **13.** Vessels receiving or discharging freight at the premises of the Welland Railway, at Ports Colborne or Dalhousie, are to be free from harbour dues; but all other vessels discharging or receiving cargo at Port Dalhousie, Port Colborne or Port Maitland, shall pay on every ton of freight so received or discharged, two cents. O. C. April 18, 1873. Con. O. C. Oct. 26, 1889.

WAY RATES.

Sec. **14.** The following way rates are to be levied on vessels and property passing the several subdivisions of the Canals:—

Welland Canal.

	Rate.
1. From Port Maitland, Dunnville and Port Colborne to Port Robinson or Allanburg, not passing the lock, each way	½
2. From Chippawa Cut, or any part thereof, to Dunnville, Port Maitland or Port Colborne	⅝
3. From Dunnville to Port Colborne	½
4. From Thorold to St. Catharines or Port Dalhousie	½
5. From Maitland, Dunnville, Colborne or Port Robinson to Marshville and intermediate places	⅜
6. From Marshville or intermediate places to Port Maitland, Dunnville, Port Colborne and Port Robinson	⅜
7. From Port Robinson to Allanburg or Thorold	⅜
8. From Port Robinson to St. Catharines or Port Dalhousie	½
9. From St. Catharines to Port Dalhousie	⅛
10. From Dunnville to Maitland	¼
11. From Port Robinson through the Lock and Chippawa Cut	¼
12. Form Port Colborne to Port Maitland	½
13. From Chippawa Cut through Lock to Port Robinson	¼
14. From Colborne, Dunnville, Maitland and Marshville to Thorold	⅝
15. From Colborne, Dunnville, Maitland and Marshville to St. Catharines	⅞
16. Through the Chippawa Cut only	⅛
17. Through the Port Robinson Lock only	⅛

St. Lawrence Canals.

Sec. **15.** The navigation is divided into four sections, viz., Cardinal, Cornwall, Beauharnois or Soulanges and Lachine. Tolls are to be levied on all vessels and property in proportion to the number of sections passed through.

Chambly Canal.

	Rate.
Sec. **16.** Vessels and property passing from Sorel to Chambly, to pay	⅓
Vessels and property passing from Chambly to St. Johns, to pay	⅔

Ottawa Canals.

Sec. **17.** The navigation is divided into three sections, viz., Grenville, Carillon and Ste. Anne's. Tolls are to be levied on all vessels and property in proportion to the number of sections passed through.

Rideau Canal.

Sec. **18.** The navigation of this canal is divided into three sections, viz., Ottawa, Smith's Falls and Kingston Mills. Vessels and freight passing one section are to be charged one-third; two sections, two-thirds. O.C. April 18, 1873. Con. O.C. Oct. 26, 1889, secs. 77, 78, 79, 80 and 81.—

Tay Canal to be part of the Rideau Canal and the following rates of tolls to be levied upon the said Tay Branch of the Rideau Canal system, viz.:—

Perth to Smith's Falls, 1 section, or one third of Rideau Canal rates, each way.

Perth to Kingston, 2 sections, or two-thirds Rideau Canal rates, each way.

Perth to Ottawa Basin, 2 sections, or two-thirds Rideau Canal rates, each way.

Perth to River Ottawa, 3 sections, full Rideau Canal rates, each way. O.C. Sept. 27, 1890.

General.

Sec. **19.** (*a.*) Any fraction of a ton freight is to be charged one ton, and portions of sections are to be charged as a whole section on all the above canals.

(*b.*) The passing of saw-logs or other lumber through any of the canals, or sections thereof, shall be at all times governed by the regulations for their management. O.C. April 18, 1873. Con. O.C. Oct. 26, 1889, sec. 82.

Sec. **20.**—STANDARD FOR ESTIMATING WEIGHTS, FOR CANAL TOLLS.

—	Tons.	—	Tons.
2,000 lbs. avoirdupois.	1	Sheep, 20	1
Per M. is per thousand feet		Stone, 12 cubic feet	1
Per mile is per thousand pieces		Stone, 1 cord	7½
Green fruit, 9 barrels are	1	Whisky, 4 barrels or 215 gallons	1
Ashes, 3 barrels are	1	Empty barrels, 10	1
Bark, 4 cords	1	Barrel hoops, 10 mille	1
Beef, 7 barrels	1	Board and other sawed lumber, 600 feet board measure	1
Biscuit and crackers, 9 barrels	1	Boat knees, 4	1
Bricks, common, 1,000	2	Firewood, 1 cord	3
Butter, 22 kegs or 7 barrels	1	Hop poles, 60 or 40 cubic feet	1
Cattle, 3	1	Shingles, 12 M. or bundles	1
Cement and water lime, 7 barrels	1	Split posts and fence rails, 1 mille	1
Fire-bricks, 1,000	3	Staves and headings, pipe, 1 mille	8
Fish, 7 barrels	1	" " W. India, 1 mille	4
Flour, 9 barrels	1	" " barrel, 1 mille	2⅓
Gypsum and manganese, 6 barrels	1	" " salt barrel, 1 mille	0⅔
Horses, 2	1	Saw-logs, standard, 1	0⅘
Lard and tallow, 7 barrels or 22 kegs	1	Square timber, 50 cubic feet	1
Liquors and spirits, 215 gallons	1	Telegraph poles, 10, or 40 cubic feet	1
Liquids, all others, 215 gallons	1	Masts and spars, 40 cubic feet	1
Nuts, 9 barrels	1	Railroad ties, 16, or 50 cubic feet	1
Oysters, 6 barrels	1	All other woodenware, or partly manufactured wood, 40 cubic feet as per tariff	1
Pork, 7 barrels	1	Traverses, 40 cubic feet, or 5 pieces	1
Refined oil in bulk, 250 gals., O.C., July 24, '00.	1	Floats, 50 lineal feet	1
Salt, 7 barrels	1		
Seeds, 9 barrels	1		

NOTE.—By the Weights and Measures Act, chapter 104 of the Revised Statutes of Canada, section 14, all the following named articles are to be estimated by the cental of 100 lbs.

The weight equivalent to a bushel being as follows:—Wheat, 60 lbs.; Indian corn, 56 lbs.; rye, 56 lbs.; pease, 60 lbs.; barley, 48 lbs.; oats, 34 lbs.; beans, 60 lbs.; clover seed, 60 lbs.; timothy seed, 48 lbs.; buckwheat, 48 lbs.; flax seed, 50 lbs.; blue grass seed, 14 lbs.; hemp seed, 44 lbs.; malt, 36 lbs.; castor beans, 40 lbs.; potatoes, turnips, carrots, parsnips, beets and onions, 60 lbs.; bituminous coal, 70 lbs.

TOLLS AT SHEDS AT LACHINE CANAL BASIN.

Sec. **21.** The following tolls shall be levied upon property stored at the sheds at the Lachine Canal Basin:—

			Cents.
Wheat and other grain,	per week,	per bushel	1
Meal	"	per barrel	4
Pork, beef, butter and lard	"	"	5
Muscovado sugar	"	per hhd., 10 cents; per brl	5
Liquors	"	per pipe, 15 cents; per pun	12
		per hhd., 10 cents; per qr. cask	7
Iron, bars	"	per ton	24
Iron, pig	"	"	12
Salt, except at the St. Gabriel sheds	"	per 100 minots	36
Salt at the St. Gabriel sheds, Montreal, after the first 48 hours	"	per bag	½
Bales, crates, cases, &c.	"	per ton weight or measurement	24
Coals	"	per chaldron	12

Sec. **22.** (*a.*) No charge shall be made for property stored in the sheds of the Lachine Canal Basin for the first forty-eight hours, after which period, except in the case of flour, the foregoing rate of storage for the use of the sheds are to be raised, levied and collected.

(*b.*) Articles unenumerated are to be charged according to the above rates as nearly as the same can be computed.

(*c.*) All property stored in the sheds remaining after the first forty-eight hours will be liable to one week's storage, although it should only have been stored for a portion of the same, and so on for each succeeding week.

(*d.*) The labour of receiving property into the sheds and delivering the same shall be at the expense of and be furnished by the owners of the property or their agents.

(*e.*) All property stored in these sheds shall be at the risk of the proprietor from damage by fire or otherwise.

(*f.*) All dues for storage shall be paid before the removal of the property. O. C. August 21, 1846, October 28, 1846. Con. O. C. Oct. 26, 1889, secs. 90 and 91.

Flour.

Sec. **23.** (*a.*) Flour shall be allowed to remain in the sheds for two whole days free of charge.

(*b.*) If kept there beyond two days or 48 hours, such flour shall be liable to a charge of one cent per day per barrel for the first four days after the expiration of the 48 hours of the exemption.

(*c.*) Should the flour be kept in the sheds beyond four days at one cent per day per barrel, it shall be liable to pay two cents per day per barrel for every day subsequent to the expiration of such four days.

(*d.*) Any part of a day shall be considered as one day. O. C. May 31, 1856. Con. O. C. Oct. 26, 1889, sec. 92.

WHARFAGE DUES ON COAL FOR LOCAL CONSUMPTION IN MONTREAL.

Sec. **24.** Coal for local consumption in Montreal, landed on canal property between Montreal Harbour and Lachine, O.C., April 22, 1902, from vessels other than sea-going, and entering the Lachine Canal from Montreal Harbour, shall be charged wharfage dues at the rate of five cents a ton.

Coal screening shall be charged 3 cents a ton. Con. O. C. Oct. 26, 1889, sec. 93. O. C. May, 18, 1892.

CHARGES FOR WHARFAGE ON FIREWOOD ON WHARFS AND BANKS OF LACHINE CANAL.

Sec. **25.** The following rates of tolls shall be collected as herein mentioned that is to say:—

(*a.*) Firewood landed on wharfs or banks of the Lachine Canal, or in boats, barges or other craft occupying any of the basins between Wellington Street Bridge and Lock No. 3, four cents per cord, and for every day the wood is allowed to remain in either the canal or basin, or on the wharfs or banks after the first five days, an additional charge of four cents per cord. O. C. August 7, 1860. Con. O. C. Oct. 26, 1889, sec. 94.

(*b.*) The clause next preceding shall not only apply to the rates of toll to be collected on firewood on wharfs at Lachine and the Lachine Canal and basin, but are also extended and made applicable to the banks and grounds at Côte St. Paul and at Lachine. O. C. Jan. 27, 1862. Con. O. C. 1889, sec. 94.

CANAL BASINS IN MONTREAL PART OF MONTREAL HARBOUR.

Sec. **26.** Whereas under existing regulations for the collection of canal tolls, eastern bound vessels having paid the charges one way in full through the Welland Canal are chargeable one Section Canal Toll if re-entering the Lachine Canal;

And whereas vessels loaded with grain destined for the Montreal Harbour frequently unload only part of their cargoes on board sea-going vessels in the harbour, and re-enter the Lachine Canal for the purpose of unloading the balance of their cargoes either in elevators or mills located along the canal basins;

It is ordered that the Lachine Canal basins, within the Montreal city limits, be considered as part of the Montreal Harbour, in so far only as regards the collection of tolls on the class of vessels above referred to, which re-enter that portion of the canal for the purpose of unloading the balance of their cargoes, but that the same shall not apply any further, as in the event of vessels returning to the harbour to take cargo, in which case the usual toll shall be charged against them on passing out of the canal a second time into the harbour. O. C. Aug. 8, 1878. Con. O. C. Oct. 26, 1889, sec. 95. Free O.C. April 27, 1903.

PHOSPHATES.

Sec. **27.** Whereas vessels laden with grain for delivery in Montreal Harbour frequently carry also deck loads of phosphates, and being compelled to proceed at once to the harbour for the discharge of the grain, they pay tolls through to that point, subsequently re-entering the Lachine Canal for the storage of the phosphates, and in accordance with the existing regulations, paying canal dues a second time for such re-entry;

It is ordered that the Lachine Canal basins, within the Montreal city limits, be considered as part of the Montreal Harbour, for the purpose of the unloading of phosphates carried by vessels in addition to their grain cargoes as described in this section; it being, however, provided that in the event of their returning to the harbour to take cargo, the usual tolls shall be charged against such vessels on their passing out of the canal a second time. O. C. July 12, 1881. Con. O. C. Oct. 26, 1889, sec. 96. Free, O.C., April 27, 1903.

Extract from the Act, Canada, 1894, c. 48, amending and consolidating the Acts relating to the Harbour Commissioners of Montreal.

HARBOUR RATES WHARFAGE DUES IN ALL BASINS OF THE LACHINE CANAL ON SEA-GOING VESSELS.

Sec. **28.** The corporation may, from time to time, levy such rates as are approved of by the Governor in Council, upon all goods landed or shipped in the harbour, moved by rail on the harbour tracks, or deposited within the harbour, except arms, ammunition and military accoutrements, and other munitions of war for the use of the Government or for the defence of the Dominion. 40 V., c. 53, s. 2, part 2. For the purposes of this section, the lower basins of the Lachine Canal shall be held to form part of the harbour of Montreal, and the corporation may levy from all vessels entering the same through the harbour for the purpose of discharging or loading there, except canal craft trading between Montreal and places above Montreal, the same rates as may be levied in the harbour and under the same regulations and penalties. In all other respects the said lower basins shall be and remain under the jurisdiction of the Minister of Railways and Canals. 18 V., c. 143, s. 18; 40 V., c. 53, s. 2, part 2.

All property delivered or received by sea-going vessels in the Lachine Canal basins at Montreal (except the old lower basin) shall be charged wharfage dues as follows :—

All goods, wares and merchandise not elsewhere specified	25 cents per ton.
Hay, straw, pig and scrap iron, pot and pearl ashes	20 "
Apples, crates and their contents, flour and meal, fish, meats, pitch, potatoes, tar, horses, neat cattle, sheep and swine	15 "
Ballast, clay, fire-bricks, gypsum, lime, marble, phosphate, sand, salt	10 "
Coal and coke, grain and seeds of all kinds	6 "
Special—Bricks, 10 cents per 1,000; cordwood, 5 cents per cord; lumber, 10 cents per 1,000 feet, board measure.	
Bullion specie	Free.
Coal screenings	3 "

Each entry shall pay not less than 5 cents.

All property landed on the canal wharfs for re-shipment, or transhipped in canal waters, shall pay one wharfage only.

Lumber upon which tolls have been paid for passage down the Lachine Canal, and which is re-shipped from the wharfs or vessels into sea-going vessels, shall pay wharfage dues equal to one section of canal tolls, viz., $3\frac{3}{4}$ cents per 1,000 feet board measure. O.C. Jan. 26, 1883. Con. O.C. Oct. 26, 1889, secs. 98, 99, 100 and 101. O.C. May 18, 1892.

Sec. **29.**—*Standard for Estimating Weights.*

Ashes, pot or pearl	3 brls. to 1 ton.
Apples, flour, meal, potatoes	9 " 1 "
Fish, meat, pitch, tar	7 " 1 "
Horses	2 to 1 ton.
Neat cattle	3 to 1 "
Sheep	15 to 1 "
Swine	10 to 1 "

O.C. April 1, 1881. Con. O.C. Oct. 26, 1889, sec. 102.

TOLLS ON FLOATED TIMBER, ETC., ENTERING THE BASIN AT LACHINE.

Sec. **30.** The following rates of tolls shall be collected on floated timber, lumber and firewood entering the basin at Lachine and Lachine Canal :—

Kinds of Timber.	For receiving Timber, &c., to include use of Basin and Wharf for one Month.	For each succeeding month during the Season of Navigation.	For Wintering in Basin or on Wharf.
	Cents.	Cents.	Cents
Timber, square or round, of all kinds, above 12 x 12, per M cubic feet	25	20	35
Timber, round or flatted, of all kinds, under 12 x 12, per M lineal feet	20	15	30
Planks and boards to include all kinds of sawed lumber in rafts, per M feet, board measure	3	2	3
Saw logs, 12 feet long, if longer in same proportion per log	1	$\frac{1}{2}$	2
Floats, per 100	10	5	10
Traverses, per 100	10	5	10
Fence posts and rails, per M	10	5	10
Staves, barrel, per M	8	4	8
" pipe "	8	4	8
" West India, per M	8	4	8
Firewood on bank of canal between Lock No. 3 and Lock No. 5, and also on wharfs in canal basin at Lachine	3	3	3

Note.

Sec. **31.** (*a.*) No allowance shall be made for fractional parts of a month or winter season.

(*b.*) The firewood shall be corded across the bank while being delivered from the boat in such manner and at such points as the superintending engineer may direct.

(*c.*) The rates on timber to take effect upon the completion of the booms in Lachine Canal. O.C. June 8, 1860. Con. O.C. Oct. 26, 1889, secs. 103 and 104.

CHARGES ON VESSELS WINTERING IN LACHINE AND WELLAND CANALS.

Sec. **32.** The following rates per ton shall be charged for wintering vessels in the Lachine Canal, viz. :—For each boat, barge, scow or other vessel of ten tons measurement or under, seventy cents per vessel for the entire winter, and every ten tons above the first ten, an additional rate of eight cents, O.C. Aug. 22, 1879. Con. O.C. Oct. 26, 1889, sec. 97.

Sec. **32** (*a.*) The above rates shall also apply to the Welland Canal. (O.C. June 8th. 1901.)

CHARGES FOR WINTERING VESSELS IN RIDEAU CANAL.

Sec. **33.** The winterage dues for vessels wintering in the canal basin, at Ottawa, or other points along the line of the Rideau Canal, shall be as follows :—

In canal basin, Ottawa,	steamers	per season	$ 8 00
" "	barges	"	4 00
Inside locks "	steamers	"	50 00
other stations "	"	"	15 00

If the Minister of Railways and Canals deems it advisable, he is authorized to take security from parties wintering their vessels in locks against damage to Government property by fire. O.C. March 19, 1887. Con. O.C. Oct. 26, 1889, sec. 105.

CHARGES FOR WINTERING VESSELS IN THE OTTAWA RIVER CANALS AND LOCKS.

Sec. **34.** The charge for vessels wintering on the Ottawa River canals and locks, and the same is hereby prescribed accordingly, namely :

In Carillon Canal,	steamers	per season	$ 8 00
"	barges	"	4 00
Grenville Canal,	steamers	"	8 00
"	barges	"	4 00
Inside Locks, Ste. Anne, Carillon and Grenville Canals, steamers per season			25 00
" Culbute Canal, per season			15 00

Such security against damage by fire to be taken by way of bond as, in the opinion of the Minister of Railways and Canals, may seem desirable. O.C. Oct. 14, 1892.

Sec. **35.** No charges to be made for vessels wintering outside the locks of any government canal. O.C. Dec. 12, 1889.

CHARGES FOR REPAIRING VESSELS ON THE BANKS OF CANALS.

Sec. **36.** (*a.*) Persons using the banks of the Lachine Canal as a site for the repair of their vessels shall be subject to a charge of four dollars, payable in advance, for each vessel; the period during which such site may be occupied under any one payment being limited to six months, and permission for repairing being first obtained from the proper officer, in conformity with the existing canal regulations.

(*b.*) In the event of failure to remove vessels so occupying the banks at the expiration of the period named, no fresh permits having been obtained, such vessels may be sold under the 16th section of the canal regulations. O.C. March 5, 1880. Con. O.C. Oct. 26, 1889, sec. 106.

Sec. **37.** Rules with respect to the repairing of vessels on the banks of the Lachine Canal, the Beauharnois and the Chambly :—

(*a.*) Repairs shall only be executed at such points as may be indicated and approved by the superintending engineer.

(*b.*) For each vessel hauled up or beached for repairs, a charge of one dollar, over and above all other charges, shall be made, carrying the privilege of remaining one month, a further sum of one dollar being charged for each additional month, or fraction of a month, the vessel may remain.

(*c.*) In cases, however, where a vesssel hauled up for repairs upon the canal bank remains there throughout the winter, a charge of four dollars only shall be made (in addition to the ordinary winterage dues), the period covered being from the 1st of November to the 1st of June, inclusive.

(*d.*) Any vessel remaining on the canal bank after having wintered thereon shall be charged at the rate of one dollar a month or fraction of a month of her subsequent stay.

(*e.*) Any vessel remaining more than one year on the bank of the canal shall for such time as she may remain in excess of that period pay at the rate of two dollars a month or fraction of a month throughout the whole year.

(*f.*) All charges shall be payable at the collector's office in advance on the first day of each month.

(*g.*) These rules shall be understood as applying to all cases where the canal bank is used in any manner for the repairs of vessels, whether such vessels are actually hauled up or not. O. C. August 6, 1881. Con. O. C. Oct. 26, 1889, sec. 107.

DRY DOCK CHARGES.

Trent Valley Canal.

Sec. **38.** The following tolls and dues shall be charged for the use of the dry dock at Bobcaygeon, and of any of the locks on the Trent Valley Canal, during the winter or other shorter period:—

For Vessels	Wintering.	Per day.	Per week.
Over 15 tons	$30 00	$4 00	$12 00
15 tons and under	20 00	3 00	10 00

(O. C. Oct. 31, 1890.)

Rideau Canal.

Sec. **39.** The following tariff of tolls and regulations shall be, and the same are hereby established for the use of the dry dock on the Rideau Canal at Ottawa:—

(1) Steamers entering dock	$ 8 00
Each day or portion of a day after day of entrance	2 50
(2) Barges entering dock	5 00
Each day or portion of a day after day of entrance	2 50
(3) Steam yachts or launches	5 00
Each day or portion of a day after day of entrance	2 50
(4) Boats wintering in the dry dock from the close to the opening of navigation	50 00
For every day such boat remains in the dock after the opening of navigation	8 00

(5) No vessel of any class shall be in the dock over six days after notice is given in writing by the lockmaster that the dock is required for another vessel unless a satisfactory agreement between all parties interested is arrived at.

(6) All entrances and discharge of vessels are covered by entrance fee.

(7) All drying off of vessels of all classes in the locks at Ottawa or Hartwell's during the season of navigation is prohibited unless for special reasons.

The owners of vessels of all classes to render the required assistance to open and close the gate under the supervision of the superintending engineer.

Vessel owners to supply all blocks, &c., to shove their boats up to make the necessary repairs and all refuse to be properly cleared out to the entire satisfaction of the lockmaster before leaving the dock.

(O. C. Dec. 28, 1893.)

Sec. **40.** The use of horses for towage purposes between the lower entrance of the Cornwall Canal and lock No. 20, be prohibited during the works of enlargement of that portion of the Cornwall Canal.

(O.C. Aug. 20, 1890.)

Sec. **41.** As the prohibition of the use of horses for towing purposes, between the lower entrance of the Cornwall Canal and Lock No. 20 during the progress of the works of canal enlargement, has entailed the use of tugs and consequently expenses to the parties concerned, that all tugs, used solely for the purposes of towing on the section in question, be permitted to pass free of toll, up and down the canal between the lower entrance of the canal and lock No. 20, until the completion of the enlargement of the works on that section. (O. C. Sept. 27, 1890.)

SPECIAL RATES FOR 1902 ONLY.—1903. Free.

Sec. **42.** For season of 1902 the Canal Tolls for the passage of the following food products:—wheat, Indian corn, pease, barley, rye, oats, flax seed and buckwheat, for through passage eastward through the Welland Canal, be ten cents per ton, and for through passage eastward through the St. Lawrence Canals only, ten cents per ton; payment of the said toll of ten cents per ton through the Welland Canal to entitle these products to free passage through the St. Lawrence Canals, or any portion thereof. (O. C. April 1, 1902.) Also special rates, are granted to grain, &c., carried on the O. A. & P. S. and Canada Atlantic Railway systems, from Depot Harbour to Coteau Landing and thence by Canal to Montreal, as follows, viz.:—Wheat, Indian corn, pease, barley, rye, oats, flaxseed and buckwheat, 2½ cents per ton, and all rolling and package freight, 5 cents per ton. (O. C. April 1, 1902.) Free, O.C., April 27, 1903.

Sec. **43.** *(a.)* That for the current season of navigation of 1902, there shall be allowed in the case of steamships specially chartered for the conveyance of excursion parties, going and coming the same day, a reduction of one-half of the usual passenger tolls for passage through the Government canals, it being distinctly understood that no freight is to be carried by the said steamers on such excursions. (O. C. April 25, 1902.) Free, O.C., April 27, 1903.

Sec. **43.** *(b.)* Whereas the Canal Tolls payable for passage through the Welland and St. Lawrence Canals of barrel staves and headings, are 40 cents per 1,000 in the case of ordinary materials, such as those for sugar and flour barrels; while in the case of staves and headings for salt barrels the charge is 8 cents per 1,000 only.

And whereas application is made to have this distinction removed on the ground that sugar and flour cooperage is of the same weight as salt cooperage.

His Excellency in virtue of the provisions of chapter 38 of the Revised Statutes of Canada, intituled "An Act respecting the Department of Railways and Canals," and by and with the advice of the Queen's Privy Council for Canada, is pleased to order that Class 5 of the existing Tariff of tolls for passage through the Canals of the Dominion, established by the Order in Council of the 25th March, 1895, shall be and the same is hereby amended to the effect, and to that effect only, of removing the distinction between ordinary and salt barrel staves and headings, and making the tolls payable for these articles the same, namely, those at present charged on salt barrel staves and headings, on all the Canals of the Dominion. (O. C. May 28, 1897.)

SPECIAL RATES ON SAND AND STONE.

Sec. **43.** *(c.)* On the recommendation of the Acting Minister of Railways and Canals, the rate of tolls on sand and stone used in the construction of the bridge being built at Cornwall by the Ottawa and New York Railway was reduced from 15 and 20 cents to 7½ and 10 cents respectively. (O. C. August 27, 1898.)

APPENDIX B

DOMINION CANALS

The canal systems of the Dominion, under government control in connection with lakes and navigable rivers, are as follows :—

First.—The through route between Montreal and the head of Lake Superior (14 feet minimum depth of water.)

	Miles.
1. Lachine Canal	8½
Lake St. Louis and River St. Lawrence	16
2. Soulanges Canal	14
Lake St. Francis and River St. Lawrence	33
3. Cornwall Canal	11
River St. Lawrence	5
4. Farran's Point Canal	1
River St. Lawrence	10
5. Rapide Plat Canal	3½
River St. Lawrence	4
6. Galops Canal	7¼
River St. Lawrence and Lake Ontario	236
7. Welland Canal	26¾
Lake Erie, Detroit River, Lake St. Clair, Lake Huron, &c.	580
8. Sault Ste. Marie Canal	1¼
Lake Superior to Port Arthur	266
Total	1,223¼
To Duluth	1,357
Chicago	1,286

Second.—Ottawa to Lake Champlain.

1. Grenville. 2. Carillon. 3. St. Anne's. 4. Chambly. 5. St. Ours Canals.

Third.—Ottawa to Kingston and Perth.

1. Rideau Canal.

Fourth.—Lake Ontario at Trenton to Lake Huron at mouth of River Severn.

1. Trent Canal (not completed).

Fifth.—Ocean to the Bras d'Or Lakes.

1. St. Peter's Canal.

RIVER ST. LAWRENCE AND LAKES.

The River St. Lawrence with the system of canals established on its course above Montreal, and the Lakes Ontario, Erie, St. Clair, Huron and Superior, with connecting canals, afford a course of water communication extending from the Straits of Belle Isle to Port Arthur, at the head of Lake Superior, a distance of 2,200 statute miles. The distance to Duluth is 2,343 statute miles. The distance to Chicago, 2,272 miles.

From the Straits of Belle Isle, at the mouth of the St. Lawrence, to Montreal, the distance is 986 miles. From Quebec to Montreal, the distance is 160 miles. Owing to the shallowness of the waters on a portion of the river between these two places, particularly through Lake St. Peter, vessels drawing more than from ten to twelve feet were formerly barred from passage for the greater part of the season of navigation. In 1826, the question of deepening the channel was first definitely mooted, but it was not until 1844 that any dredging operations were begun. In that year, the deepening of a new straight channel was commenced, but the scheme was abandoned in 1847. In 1851 the deepening of the present channel was begun. At that time the depth of the channel at low water was 10 feet 6 inches. By the year 1869, this depth had been increased to 20 feet, by 1882 to 25 feet, and by the close of 1888 the depth of 27½ feet, at low water, was attained for a distance of 108 miles from Montreal to a point within tidal influence. This work is now being continued by the government of Canada, which in 1888, under the provisions of the Act 51 Vic., ch. 5, of that year, assumed the indebtedness. The channel has a minimum width of 300 feet, extending to 550 feet at points of curvature. The channel is lighted and buoyed.

Navigation, which is closed by ice during the winter months, opens about the end of April.

Montreal has by this work been placed at the head of ocean navigation, and here the canal systems of the River St. Lawrence begin, overcoming the various rapids by which the river channel upwards is obstructed, and giving access through the St. Lawrence canals, the Welland canal, the great lakes and the Sault Ste. Marie canal, to the head of Lake Superior.

The difference in level between the point on the St. Lawrence, near Three Rivers, where tidal influence ceases, and Lake Superior, is about 600 feet.

The Dominion canals, constructed between Montreal and Lake Superior, are the Lachine, Soulanges, Cornwall, Farran's Point, Rapide Plat, Galops, Murray, Welland and Sault Ste. Marie. Their aggregate length is 73 miles; total lockage (or height directly overcome by locks), 551 feet. The number of locks through which a vessel would pass in its passage from Montreal, at the head of ocean navigation, to the head of Lake Superior is 48. The Soulanges canal takes the place of the Beauharnois canal; the latter may be abandoned for navigation purposes.

Communication between Lakes Huron and Superior is obtained by means of the Canadian Sault Ste. Marie canal, and also by the St. Mary's Falls canal, situated on the United States side of the River St. Mary. Both these canals are free of toll.

It is important to note that the enlargement of the canals on the main route between Montreal and Lake Erie comprises locks of the following minimum dimensions: Length, 270 feet; width, 45 feet; depth of water on sills, 14 feet. The length of the vessels to be accommodated is limited to 255 feet. At Farran's, in the canal of that name, the lock is 800 feet long. A similar lock is built at Iroquois on the Galops canal, the object being to pass a full tow at one lockage.

LACHINE CANAL.

Length of canal	8½ statute miles.
Number of locks	5
Dimension of locks	270 feet by 45 feet.
Total rise or lockage	45 feet.
Depth of water on sills. at two locks	18 "
Depth of water on sills. at three locks	14 "
Average width of new canal	150 "

The old lift locks, 200 feet by 45 feet, are still available, with 9 feet of water on mitre sills.

The canal consists of one channel, with two distinct systems of locks, the old and the enlarged. There are two lock entrances at each end.

The canal extends from the city of Montreal to the town of Lachine, overcoming the St. Louis rapids, the first of the series of rapids which bars the ascent of the River St. Lawrence. They are 986 miles distant from the Straits of Belle Isle.

SOULANGES CANAL.

Length of canal	14 statute miles.
Number of locks { lift	4
Number of locks { guard	1
Dimensions of locks	280 feet by 45 feet.
Total rise or lockage	84 feet.
Depth of water on sills	15 "
Breadth of canal at bottom	100 "
Breadth of canal at water surface	164 "
Number of arc lights	219 of 2,000 c. p. each.

The canal extends from Cascade Point to Coteau Landing, overcoming the Cascade Rapids, Cedar Rapids and Coteau Rapids.

From the head of the Lachine to the foot of the Soulanges, the distance is sixteen miles.

CORNWALL CANAL.

Length of canal	11 statute miles.
Number of locks	6
Dimensions of locks	270 feet by 45 feet.
Total rise or lockage	48 feet.
Depth of water on sills	14 "
Breadth of canal at bottom	100 "
Breadth of canal at water surface	164 "

The old lift locks, 200 feet by 45 feet, are also available, with nine feet of water on mitre sills.

From the head of the Soulanges to the foot of the Cornwall Canal there is a stretch through Lake St. Francis, of $32\frac{3}{4}$ miles, which is being made navigable for vessels drawing fourteen feet.

The Cornwall Canal extends past the Long Sault Rapids from the town of Cornwall to Dickinson's Landing.

WILLIAMSBURG CANALS.

The Farran's Point, Rapide Plat and Galops canals are collectively known as the Williamsburg Canals.

FARRAN'S POINT CANAL.

Length of canal	1 mile.
Number of locks	1
New lock	800 feet by 45 feet.
Old lock	200 "
Total rise or lockages	$3\frac{1}{2}$ feet.
Depth of water on sills of new lock	14 "
Depth of water on sills of old lock	9 "
Breadth of canal at bottom	90 "
Breadth of canal at water surface	154 "

From the head of the Cornwall canal to the foot of Farran's Point canal, the distance on the River St. Lawrence is five miles. The latter canal enables vessels ascending the river to avoid Farran's Point Rapid, passing the full tow at one lockage. Descending vessels run the rapids with ease and safety.

RAPIDE PLAT CANAL.

Length of canal	$3\frac{2}{3}$ miles.
Number of locks	2
Dimensions of locks	270 feet by 45 feet.
Total rise or lockage	$11\frac{1}{2}$ feet.
Depth of water on sills	14 "
Breadth of canal at bottom	80 "
Breadth of canal at surface of water	152 "

The old lift lock, 200 feet by 45, is also available, with nine feet of water on mitre sills.

From the head of Farran's Point canal to the foot of Rapide Plat canal, there is a navigable stretch of $10\frac{1}{2}$ miles. This canal was formed to enable vessels ascending the river to pass the rapids at that place Descending vessels run the rapids safely.

GALOPS CANAL.

Length of canal	$7\frac{1}{3}$ miles.
Number of locks	3
Dimensions of locks. { one of which is a guard lock. }	2–270 by 45.
	1–800 by 45.
Total rise of lockage	$15\frac{1}{2}$ feet.
Depth of water on sills	14 "
Breadth of canal at bottom	80 "
Breadth of canal at surface of water	144 "

From the head of Rapide Plat canal to Iroquois, at the foot of the Galops canal, the St. Lawrence is navigable $4\frac{1}{2}$ miles. The canal enables vessels to overcome the rapids at Pointe aux Iroquois, Point Cardinal and the Galops.

MURRAY CANAL.

Length between eastern and western pier heads.	$5\frac{1}{6}$ miles.
Breadth at bottom	80 feet.
Breadth at water surface	120 "
Depth below lowest known lake level	11 "

No locks.

This canal extends through the Isthmus of Murray, giving connection westward between the head waters of the Bay of Quinté and Lake Ontario, and thus enabling vessels to avoid the open lake navigation.

WELLAND CANAL.

Main line from Port Dalhousie, Lake Ontario, to Port Colborne, Lake Erie.

	Old Line.	Enlarged or New Line.
Length of canal	$27\frac{1}{2}$ miles	$26\frac{3}{4}$ miles.
Pairs of guard-gates (formely 3)		2
Number of locks { lift	26	25
Number of locks { guard	1	1
Dimensions	1 lock 200 x 45 1 lock 200 x 45 1 (tidal) 230 x 45 24 locks 150 x 45	270 feet x 45 feet.
Total rise or lockage $326\frac{3}{4}$ feet	$326\frac{3}{4}$ feet	$326\frac{3}{4}$ feet.
Dept of water on sills	$10\frac{1}{2}$ "	14

WELLAND RIVER BRANCHES.

Length of canal—	
Port Robinson Cut to River Welland	2,622 feet.
From the canal at Welland to the river, via lock at Aqueduct	300 "
Chippewa Cut to River Niagara	1,020 "
Number of locks—one at Aqueduct and one at Port Robinson	2
Dimensions of locks	150 by 26½ feet.
Total lockage from the canal at Welland down to River Welland	10 feet.
Depth of water on sills	9 feet 10 inches.

GRAND RIVER FEEDER.

Length of canal	21 miles,
Number of locks	2
Dimensions of locks	1 of 150 by 26½ feet. 1 of 200 by 45 "
Total rise or lockage	7 to 8 feet.
Depth of water on sills	9 feet.

PORT MAITLAND BRANCH.

Length of canal	1¾ miles.
Number of locks	1
Dimensions of locks	185 feet by 45 feet.
Total rise of lockage	7½ feet.
Depth of water on sills	11 "

The Welland canal has two entrances from Lake Ontario, at Port Dalhousie, one for the old, the other for the new canal.

From Port Dalhousie to Allanburg, 11¾ miles, there are two distinct lines of canal in operation, the old line and the enlarged or new line.

From Allanburg to Port Colborne, a distance of 15 miles, there is only one channel, the old canal having been enlarged.

From the head of the Welland canal there is a deep water navigation through Lake Erie, the Detroit River, Lake St. Clair, the St. Clair River, Lake Huron and River St. Mary to the Sault canal, a distance of about 580 miles. From the Sault the distance through Lake Superior to Port Arthur is 266 miles, and to Duluth 400 miles.

SAULT STE. MARIE CANAL,

Length of canal, between the extreme ends of the entrance piers	5,967 feet.
Number of locks	1
Dimensions of locks	900 ft. by 60 ft.
Depth of water on sills (at lowest known water level)	20 ft. 3 inches.
Total rise or lockage	18 feet.
Breath of canal at bottom	141 ft. 8 inches.
Breadth at surface of water	150 feet.

This canal has been constructed through St. Mary's Island, on the north side of the rapids of the River St. Mary, and, with that river, gives communication on Canadian

territory between Lakes Huron and Superior. The masonry pier of the bridge carrying the Canadian Pacific Railway over the canal, which stood in the channel of the canal, forming an obstruction to navigation, has been removed; the swing now spanning the full width of the channel or prism of the canal.

MONTREAL, OTTAWA AND KINGSTON.

This route extends from the harbour of Montreal to the port of Kingston, passing through the Lachine canal, the navigation section of the lower River Ottawa, and the Ottawa canals, to the city of Ottawa; thence by the River Rideau and the Rideau canal to Kingston, on lake Ontario—a total distance of 245⅝ miles.

After leaving the Lachine canal the works constructed to overcome difficulties of navigation are:

Ottawa River Canals.

The Ste. Anne's Lock.
Carillon Canal.
Grenville Canal.
Rideau Canal.

The total lockage (not including that of the Lachine canal) is 509 feet—(345 rise 164 fall)—and the number of locks is 55.

The following table exhibits the intermediate distances from Montreal harbour:—

Sections of Navigation.	Intermediate Distance.	Total Distance, from Montreal.
	Miles.	Miles.
The Lachine Canal	8½	
From Lachine to Ste. Anne's lock	15	23
Ste. Anne's lock and piers	⅛	23
Ste. Anne's lock to Carillon canal	27	50
The Carillon canal	¾	51
The Carillon to Grenville Canal	6¼	57
The Grenville canal	¾	63
From the Grenville canal to entrance of Rideau navigation	56	119
Rideau navigation ending at Kingston	126¼	245

STE. ANNE'S LOCK.

	Old Lock.	New Lock.
Length of canal	⅛ mile.	⅛ mile.
Number of locks	1	1
Dimensions of locks	190 x 45 feet	200 x 45 feet.
Total rise or lockage	3 feet.	3 feet.
Depth of water on sills	6 "	9 "

This work, with guide piers above and below, surmounts the Ste. Anne's rapids between Ile Perrot and the head of the Island of Montreal, at the outlet of that portion of the River Ottawa which forms the Lake of Two Mountains, 23½ miles from Montreal harbour.

THE CARILLON CANAL.

Length of canal	$\frac{3}{4}$ mile.
Number of locks	2
Dimensions of locks	200 x 45 feet.
Total rise or lockage	16 feet.
Depth of water on sills	9 "
Breadth of canal at bottom	100 "
Breadth of canal at water surface	110 "

This canal overcomes the Carillon rapids.

From Ste. Anne's lock to the foot of the Carillon canal there is navigable stretch of 27 miles, through the Lake of Two Mountains and the River Ottawa.

By the construction of the Carillon dam across the River Ottawa the water at that point is raised 9 feet, enabling the river above to be used for navigation.

GRENVILLE CANAL.

Length of canal	$5\frac{3}{4}$ miles.
Number of locks	5
Dimensions of locks	200 x 45 feet.
Total rise or lockage	$43\frac{3}{4}$ feet.
Depth of water on sills	9 "
Breadth of canal at bottom	40 to 50 feet.
Breadth of canal at surface of water	50 to 80 feet.

This canal, by which the Long Sault Rapids are avoided, is about 56 miles below the city of Ottawa, up to which point the River Ottawa affords unimpeded navigation.

RIDEAU NAVIGATION.

The Rideau system connects the River Ottawa, at the city of Ottawa, with the eastern end of Lake Ontario, at Kingston.

Length of navigation waters	$126\frac{1}{4}$ miles.
Number of locks going from Ottawa to Kingston	35 ascending. 14 descending.
Total, lockage $446\frac{1}{2}$ feet	$282\frac{1}{4}$ rise and 164 fall at high water.
Dimensions of locks	134 x 33 feet.
Depth of water on sills	5 feet.
Navigation depth through the several reaches	$4\frac{1}{2}$ feet.
Breadth of canal reaches at bottom	60 feet in earth. 54 feet in rock.
Breadth of canal at surface of water	80 feet in earth.

PERTH BRANCH.

Length of canal	6 miles.
Number of locks	2
Dimensions of locks	134 feet x 32 feet.
Total rise or lockage	26 "
Depth of water on sills	5 " 6 inches.
Length of dam	200 "
Breadth of canal at bottom	40 "
Breadth of canal at surface at water	40 " in rock. 60 " in clay.

The Perth branch of the Rideau canal affords communication between Beveridge's bay, on Lake Rideau, and the town of Perth.

The summit level of the Rideau system is at upper Lake Rideau, but several of the descending reaches are also supplied by waters which have been made tributary to them. The following description gives the sources of supply :—

From the summit, the route towards Ottawa follows the Rideau river, and that towards Kingston follows the River Cataraqui. The supply of water for the canal is derived from the reserves given in detail below.

These may be divided into three systems, viz :—

1. The summit level, supplied by the Wolfe lake system.

2. The eastern descending level to Ottawa, supplied by the River Tay system, discharging into Lake Rideau.

3. The south-west descending level to Kingston, supplied by the Mud lake system formerly known as the Devil lake system, discharging into Lake Openicon.

Lake Openicon receives the waters of Buck lake and Rock lake.

All these waters on the descending level, supplemented by those of Lake Loughboro', flow into Cranberry lake, which, discharging through Round Tail outlet, forms the River Cataraqui. The river, rendered navigable by dams at various points, affords a line of navigation to Kingston.

RICHELIEU AND LAKE CHAMPLAIN.

This system, commencing at Sorel, at the confluence of the Rivers St. Lawrence and Richelieu, 46 miles below Montreal, extends along the River Richelieu, through the St. Ours lock to the basin of Chambly ; thence, by the Chambly canal, to St. Johns, and up the River Richelieu to Lake Champlain. The distance from Sorel to the boundary line is 81 miles.

At Whitehall, the southern end of Lake Champlain is entered, and connection is obtained with the River Hudson, by which the city of New York is directly reached. From the boundary line to New York the distance is 330 miles.

The following table shows the distances betweeu Sorel and New York :—

Section of Navigation.	Intermediate Distance.	Total Distances.
	Miles.	Miles.
Sorel to St. Ours lock	14	14
St. Ours Lock to Chambly Canal	32	46
Chambly canal	12	58
Chambly canal to boundary line	23	81
Boundary line to Champlain canal	111	192
Champlain canal to junction with Erie canal	66	258
Erie Canal, from junction to Albany	7	265
Albany to New York	146	411

ST. OURS LOCK DAM.

Length	$\frac{1}{8}$ mile.
Number of locks	1 "
Dimensions of lock	200 feet by 45 feet.
Total rise of lockage	5 "
Depth of water on sills	7 feet at low water.
Length of dam in eastern channel	300 "
Length of dam in western channel	690 "

At St. Ours, 14 miles from Sorel, the River Richelieu is divided by a small island into two channels. The St. Ours lock is in the eastern channel.

There is a navigable depth in the Richelieu of 7 feet between St. Ours lock and Chambly basin, a distance of 32 miles.

CHAMBLY CANAL.

Length of canal	12 miles.	
Number of locks	9	
Dimensions of locks :—		
Guard lock, No. 1 at St. Johns	122 feet.	From 22½ to 24 feet wide.
Lift " 2	124 "	
" " 3, 4, 5, 6	118 "	
" " 7, 8, 9 combined	125 "	
Total rise or lockage	74 "	
Depth of water on sills	7 "	
Breadth of canal at bottom	36 "	
Breadth of canal at surface of water	60 "	

This canal succeeds the 32 miles of navigable water between St. Ours lock and Chambly basin. The canal overcomes the rapids between Chambly and St. Johns.

TRENT CANAL.

The term 'Trent canal' is applied to a series of water stretches, which do not, however, form a connected system of navigation, and which, in their present condition, are efficient only for local use. By various works this local use has been extended, and by others, now in progress and contemplation, this will become a through route between Lake Ontario and Lake Huron.

The series is composed of a chain of lakes and rivers, extending from Trenton, at the mouth of the River Trent, on the Bay of Quinté, Lake Ontario, to Lake Huron.

Many years ago the utilizing of these waters for the purpose of through water communication between Lake Huron and Lake Ontario was projected.

The course, as originally contemplated and modified, is as follows :—

Through the River Trent, Rice lake, the River Otonabee and Lakes Clear, Stony, Lovesick, Deer, Buckhorn, Chemong, Pigeon, Sturgeon and Cameron to Lake Balsam, the summit water, about 165 miles from Trenton ; from Lake Balsam by a canal and the River Talbot to Lake Simcoe ; thence by the River Severn to Georgian bay, Lake Huron ; the total distance being about 200 miles, of which only about 15 or 20 miles will be actual canal.

The full execution of the scheme, commenced by the Imperial government in 1837, was deferred. By certain works, however, below specified, sections of these waters have been made practicable for navigation, and the whole scheme is now being carried out. A branch of the main route, extending from Sturgeon lake south, affords communication with the town of Lindsay, and, through Lake Scugog to Port Perry, a distance of 190 miles from Trenton.

The following table gives the distance of navigable and unnavigable reaches :—

	Navigable Miles.	Unnavigable Miles.
From Trenton, Bay of Quinté to Nine Mile rapids.	—	9
Nine Mile rapids to Percy landing	19½	—
Percy landing to Heeley's Falls dam	—	14½
Heeley's Falls dam to Peterborough	51¾	—
Peterborough to Lakefield	—	9
Lakefield to a point across Balsam lake	61	—
	132¼	32¾
Total distance, Bay of Quinté to a point across Balsam lake		165
From Sturgeon Point on Sturgeon lake, 48¾ miles from Lakefield, the branch through the town of Lindsay to Port Perry at the head of Lake Scugog		27

The works by which the Trent navigation has been improved comprise canals, with locks and bridges, at Young Point, Burleigh Rapids, Lovesick, Buckhorn Rapids, Bobcaygeon, Fenelon Falls and Rosedale ; also dams at Lakefield, Young's Point, Burleigh Falls, Lovesick, Buckhorn, Bobcaygeon and Fenelon Falls. By these works there is afforded communication between Lakefield, 9½ miles from Peterborough, and Balsam lake, the headwaters of the system ; opening up a total of about 160 miles of direct and lateral navigation.

At Lakefield, 9½ miles from Peterborough, the dam at the head of the Nine Mile rapids of the River Otonabee, maintains navigation on Lake Katchewannoe up to Young's Point.

At Young's Point, 5 miles from Lakefield, the dam between Lake Katchewannoe and Clear lake controls the water level through Clear and Stony lakes up to the foot of the Burleigh canal. The lock here, it should be observed, is controlled by the Provincial government.

At Burleigh Rapids, 10 miles from Young's Point, a canal, about 2¼ miles in length, passes the Burleigh and Lovesick rapids, and gives communication between Stony lake and Deer bay.

At Buckhorn rapids, 7 miles from Burleigh Rapids, there is a canal about one-fourth of a mile long.

At Bobcaygeon, 15¾ miles from Buckhorn Rapids, a dam, 553 feet long, controls the water level up to Fenelon Falls.

At Fenelon Falls, 15 miles from Bobcaygeon, a canal about one-third of a mile in length connects Sturgeon lake with Cameron lake.

The following is a list of the locks with their dimensions :—

1	Lock at	Rosedale, (maintained by the Ontario government)	100′ x 30′ x 4′ 6′ to 6′ 6″ depth water on mitre sill.
2	Locks at	Fenelon	134′ x 33′ x 5′ 0″ to 7′ 6″ depth water on mitre sill.
1	"	Lindsay	134′ x 33′ x 5′ 0″ to 7′ 6″ " "
1	"	Bobcaygeon	134′ x 33′ x 5′ 8″ to 7′ 0″ " "
1	"	Buckhorn	134′ x 33′ x 5′ 0″ to 9′ 0″ " "
1	"	Lovesick	134′ x 33′ x 5′ 0″ to 9′ 4″ " "
2	"	Burleigh	134′ x 33′ x 6′ 0″ to 8′ 0″ " "
1	"	Young's Point (a Provincial government work)	134′ x 33′ x 5′ 0″ to 14′ 0″ depth water on mitre sill.
1	"	Peterborough	134′ x 33′ x 5′ 0″ to 10′ 0″ depth water on mitre sill.
1	"	Hastings	134′ x 33′ x 7′ 0″ to 10′ 6″ " "
1	"	Chisholm's	134′ x 33′ x 5′ 0″ to 8′ 6″ " "
13			

ST. PETER'S CANAL, CAPE BRETON.

Length of canal	About 2,400 feet.
Breadth at water line	55 feet.
Lock	One tidal lock, 4 pairs of gates.
Dimensions	200 feet by 48 feet.
Depth of water on sills	18 " at lowest water.
Depth through canal	19 "
Extreme rise and fall of tide in St. Peter's Bay	4 "

This canal connects St. Peter's bay on the northern side of Cape Breton, Nova Scotia, with the Bras d'Or lakes. It crosses an isthmus half a mile in width, and gives access from the Atlantic.

BEAUHARNOIS CANAL.

Length of canal	12 statute miles.
Number of locks	9.
Dimensions of locks	200 feet by 45 feet.
Total rise or lockage	82½ "
Depth of water on sills	9 "
Breadth of canal at bottom	80 "
Breadth of canal at water surface	120 "

As the new Soulanges canal is now opened for navigation, it is to be presumed that the Beauharnois canal will be abandoned for navigation purposes.

SESSIONAL PAPER No. 20

ST. LAWRENCE NAVIGATION—TABLE OF DISTANCES.

FROM STRAITS OF BELLE-ILE TO PORT ARTHUR, AT HEAD OF LAKE SUPERIOR, BY WATER.

From	To	Sections of Navigation.	Statute Miles. Intermediate.	Statute Miles. Total to Straits of Belle-Isle.
Straits of Belle-Ile	Cape Whittle	Gulf of St. Lawrence	240	240
Cape Whittle	West Point, Anticosti	"	201	441
West Point, Anticosti	Father Point	River St. Lawrence	202	643
Father Point	Rimouski	"	6	649
Rimouski	Bic	"	12	661
Bic	Isle Verte	"	39	700
Isle Verte (opp. Saguenay)	Quebec	"	126	826
Quebec	Three Rivers	" to Tide-water	74	900
Three Rivers	Montreal	"	86	986
Montreal	Lachine	Lachine Canal	8½	994½
Lachine	Beauharnois	Lake St. Louis	15¼	1,009¾
Beauharnois	Ste. Cécile	Beauharnois Canal	11¼	1,021
Ste. Cécile	Cornwall	Lake St. Louis	32¾	1,053¾
Cornwall	Dickinson's Landing	Cornwall Canal	11½	1,065¼
Dickinson's Landing	Farran's Point	River St. Lawrence	5	1,070¼
Farran's Point	Upper end of Croyle's Island	Farran's Point	¾	1,071
Upper end Croyle's Island	Williamsburg or Morrisburg	River St. Lawrence	10½	1,081½
Williamsburg	Rapide Plat	Rapide Plat Canal	4	1,085½
Rapide Plat	Point Iroquois Village	River St. Lawrence	4½	1,090
Point Iroquois Village	Upper end Presqu'Ile	Point Iroquois Canal	3	1,093
Presqu'Ile	Point Cardinal, Edwardsburg	Junction Canal	2⅝	1,095⅝
Point Cardinal	Head of Galops Rapids	Galops Canal	2	1,097⅝
Galops Rapids	Prescott	River St. Lawrence	7⅜	1,105
Prescott	Kingston	"	59	1,164
Kingston	Port Dalhousie	Lake Ontario	170	1,334
Port Dalhousie	Port Colborne	Welland Canal	26¾	1,360¾
Port Colborne	Amherstburg	Lake Erie	232	1,592¾
Amherstburg	Windsor	River Detroit	18	1,610¾
Windsor	Foot of St. Mary's Island	Lake St. Clair	25	1,635¾
Foot of St. Mary's Island	Sarnia	River St. Clair	33	1,668¾
Sarnia	Foot of St. Joseph's Island	Lake Huron	270	1,938¾
Foot of St. Joseph's Island	Foot of Sault Ste. Marie	River St. Mary	47	1,985¾
Sault Ste. Marie	Head of Sault Ste. Marie	Sault Ste. Marie Canal	1	1,986¾
Head of Sault Ste. Marie	Pointe aux Pins	River St. Mary	7	1,993¾
Pointe aux Pins	Port Arthur	Lake Superior	266	2,259¾
Port Arthur to Lake Shebandowan			45	
Lake Shebandowan to North-west Angle			312	
North-west Angle to Winnipeg			95	
Pointe aux Pins to Duluth			390	

Of the 2,259¾ miles from the Straits of Belle-Ile to the head of Lake Superior, 71 miles are artificial navigation, and 2,188¾ open navigation.

Straits of Belle-Ile to Liverpool, 1,942 geographical or 2,234 statute miles.

The total fall from Lake Superior to Tide-water is about 600 feet.

The steamboat voyage from Collingwood to Port Arthur is 532 miles.

TABLE of distances of Stations between the cities of Ottawa and Kingston,

No. of Station.	Name of Station.	Distances from Ottawa.	Locks.		Dams.			Length of Artificial Canal at each Station in miles.
			No.	Lift at Low Water.	No.	Length.	Height.	
		Miles.		Rise. Ft. In.		Feet.	Feet.	
1	Ottawa	0	8	82 0	3	230 1,320 1,616	13 33 14	
2	Hartwell's	4¼	2	22 0	...	100	28	4·00
3	Hogsback	5½	2	13 6	1	320	60	
4	Black Rapids	9½	1	10 0	1	300	12	0·13
5	Long Island	14¾	3	27 0	3	850	68	6·13
6	Burritt's	40¾	1	10 6	1	240	14	1·50
7	Nicholson	43¾	2	15 2	1	500	9	0·50
8	Clowes	44½	1	10 0	1	481	16	0·05
9	Merrickville	46¾	3	25 0	1	150	6	0·33
10	Maitland	55	1	4 9	1	270	8	0·13
11	Edmunds	59½	1	10 10	1	343	8	0·06
12	Old Slys	60½	2	15 6	1	250	20	0·25
13	Smith's Falls	61½	4	33 9	2	600	24	0·13
14	First Rapids or Poonamalie	64	1	7 9	1	260	5	1·25
15	Narrows	83¼	1	4 0	1	600	9	0·06
	Total rise at low water		...	292 3				
				Fall.				
16	Isthmus	87½	1	4 0	...	.....	.....	1·25
17	Chaffey's	92	1	12 6	....	.....	.....	0·13
18	Davis	94½	1	9 0	1	300	15	0·06
19	Jones' Falls	97¼	4	60 0	1	300	60	0·25
20	Brewer's Upper Mills	108¼	2	19 0	1	200	20	1·75
21	" Lower Mills	110	1	14 2	1	200	12	4·25
22	Kingston Mills	120¼	4	46 8	1	6,042	14	0·25
23	Kingston	126¼	....	.....	....	.....	.....	.....
	Total fall at low water	.....	....	165 4	....	.....	.....	.....
	Total	.....	47	.....	24	15,472	.... ..	16·46

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CANAL STATISTICS FOR SEASON OF NAVIGATION IN 1903.

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