

DEPARTMENT OF RAILWAYS AND CANALS

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# CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1904

*PRINTED BY ORDER OF PARLIAMENT*



OTTAWA

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1906



PART V

CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1904





# CANAL STATISTICS

FOR

SEASON OF NAVIGATION, 1904.

For the season 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 large decrease 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 1903.....	\$ 333,096 86
For 1904.....	291,676 97

By comparing the statistics of 1903 with 1904, it will be seen that the gross revenue has decreased \$41,419.89.

The increases and decreases are as follows :—

	Increase.	Decrease.
On the Welland Canal .....		\$ 19,320 86
" St. Lawrence Canals.....		16,627 99
" Chambly Canal.....	\$ 2,688 63	
" Ottawa Canals.....		7,277 49
" Rideau Canal.....		153 51
" St. Peter's Canal.....		535 59
" Trent Valley Canals.....		155 92
" Murray Canal.....		37 16
" Sault Ste. Marie Canal.....		
Total.....	\$ 2,688 63	\$ 44,108 52
Total decrease.....		41,419 89

STATEMENT of the Revenue, together with the increases and decreases of all the Canals for the seasons of Navigation from 1891 to 1904, 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.....	333,086 86	105,518 93	
1904.....	291,676 97		41,419 89

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## 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-three years is as follows :—

QUANTITY PASSED DOWN TO MONTREAL.		QUANTITY ON WHICH FULL TOLLS WERE PAID. (Free for 1904.)	
		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.....	198,246	23,711	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; in 1903, 40,641 tons and none in 1904.

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.

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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.

For the year 1904 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 decreased from 231,491 tons in 1895 to 198,216 tons in 1904 and the quantity passed down the Welland Canal from United States ports to United States, has decreased from 133,823 to 102,523 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 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
1904.....	154,625

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 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
1904.....	220,076

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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 1903 .....	400,067
1904.....	220,076
Showing a decrease of.....	179,991

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

	Tons.
For 1903 .....	253,959
1904.....	154,625
Showing a decrease of.....	99,334

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

	Tons.
For 1903 .....	327,840
1904.....	226,867
Showing a decrease of.....	100,973

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

	Tons.
For 1903 .....	3,793,973
1904.....	3,048,573
Showing a decrease of.....	745,400

The increases and decreases for 1904 as compared with 1903 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.....		179,991		44.99
" Canadian Pacific and Grand Trunk Railways.....		99,334		39.12
" New York Canals.....		100,973		30.79
" " Railways .....		745,400		19.65

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 393,748 tons in 1893 to 240,998 tons in 1904 and the quantity to Ontario ports, between Port Dalhousie and Cornwall, and an increase from 93,737 tons in 1893 to 103,803 tons in 1904. The quantity passed down to Montreal shows decrease from 508,016 tons in 1893 to 275,277 tons in 1904.

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## 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.
1890, 203 Cargoes, with an aggregate quantity of . . . . .	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
1904, 115 " " . . . . .	174,121

In the United States vessels there were in—

	Tons.
1889, 114 Cargoes with an aggregate quantity of . . . . .	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
1904, 118 " " . . . . .	150,359

Fifty-six Canadian and 16 American vessels took cargoes of 116,095 tons through to Montreal intact in 1904; 56 Canadian and 18 American of 99,582 tons 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 1904 and the four previous years is given below.

The total number of grain-laden vessels lightened at this port in 1904 was 57, against 117 the previous year.

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The quantity of grain lightened was as follows :—

Articles.	1899.	1900.	1901.	1902.	1903.	1904.
	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.
Wheat.....	390,162	272,609	393,490	577,697	670,302	175,117
Corn.....	638,143	448,256	556,911	529,651	834,718	408,976
Rye.....	7,065	Nil.	Nil.	Nil.	13,768	.....
Oats.....	Nil.	Nil.	76,236	5,824	2,765	15,353
Barley.....	Nil.	Nil.	27,115	Nil.	13,242	9,686

## WELLAND CANAL.

The total quantity of freight passed on the Welland Canal during the season of 1904 was 811,371 tons ; of this quantity 8,891 tons were way or local freight.

There were 626,163 tons of freight passed eastwards, and 185,208 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 1904 was 802,480 tons.

Of this quantity 620,078 tons were east bound and 182,402 west bound freight.

Of the east bound through freight, Canadian vessels carried 308,722 tons and United States vessels carried 311,356 tons ; and of the west bound through freight Canadian vessels carried 58,880 tons and United States vessels carried 123,522 tons, or a total of 367,602 tons for Canadian and 434,878 tons for American vessels.

## ST. LAWRENCE CANALS.

The total quantity of freight passed through these canals during 1904 was 1,427,316 tons ; of this quantity 995,770 tons passed eastward and 431,546 passed westward.

*East and west bound Through Freight.*

The total quantity of through freight was 841,598 tons ; of this quantity 645,999 tons were east bound and 195,599 tons were west bound.

*Way Freight.*

Of the total quantity of (way) or local freight 349,601 tons were east bound and 236,116 tons west bound freight.

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## 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.
1890.....	231,746	13,951
1891.....	309,953	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
1904.....	278,328	71,512

## 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.
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
1904.....	165,337	87,144	252,481

The total quantity of freight passed through the Welland Canal from United States ports to United States ports shows a decrease of 117,744 tons, as compared with the previous year ; and a decrease of 281,476 tons as compared with 1890.

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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 1904 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	458,396
1868 .....	6,157	1,161,821	641,711
1869 .....	6,069	1,231,903	688,700
1870 .....	7,356	1,311,956	747,567
1871 .....	7,729	1,478,122	772,756
<i>Season of navigation.</i>			
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	800,135	464,478
1887 .....	2,785	777,918	340,501
1888 .....	2,647	878,800	434,753
1889 .....	2,975	1,085,273	553,584
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
1904 .....	1,433	811,371	252,481



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The total quantity of freight passed through the several divisions of the canals during the season of 1904 is as follows :—

	Farm Stock.	Forest Produce of Wood.	Manufac- tures.	Merchan- dise.	Agricultural Products.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland. . . . .		181,705	63,317	191,599	374,750	811,371
St. Lawrence. . . . .	1,936	210,989	101,298	605,198	507,895	1,427,316
Chambly. . . . .	299	313,986	9,617	105,561	18,724	448,187
Ottawa. . . . .	1,758	313,216	455	10,013	10,551	335,993
Rideau . . . . .	8	22,564	3,965	20,687	7,896	55,120
St. Peters. . . . .	23	11,535	2,773	49,324	9,761	73,416
Murray. . . . .	7	5,128	6,748	13,945	2,611	28,439
Trent Valley. . . . .	111	44,414	175	800	189	45,689
Sault Ste. Marie. . . . .	133	81,442	99,589	3,607,008	1,242,533	5,030,705

The total quantity of freight moved on the Welland Canal was 811,371 tons, of which 374,750 tons were agricultural products.

On the St. Lawrence Canals the total quantity of freight moved was 1,427,316 tons, of which 507,895 were agricultural products, and 605,198 tons were merchandise.

On the Ottawa Canals the total quantity of freight moved was 335,993 tons ; of this quantity 313,216 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 tide-water, it will be observed that the quantity carried by the New York Canals was 361,333 tons in 1904, 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.		Tons.
In 1904. . . . .	4,632,082	In 1886. . . . .	*3,802,262
1903. . . . .	5,548,603	1885. . . . .	4,105,594
1902. . . . .	6,532,263	1884. . . . .	3,639,805
1901. . . . .	3,332,001	1883. . . . .	4,422,461
1900. . . . .	6,053,005	1882. . . . .	3,885,557
1899. . . . .	6,211,827	1880. . . . .	4,732,385
1898. . . . .	7,060,542	1869. . . . .	1,087,809
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. . . . .	5,565,381		
1890. . . . .	4,336,199		
1889. . . . .	3,654,984		
1888. . . . .	3,197,734		
1887. . . . .	3,847,766		

\* Flour and grain only.

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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-six 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.	2,271,090	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.	472,837	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
1904.	361,333	4,632,082	4,993,415	073

## SESSIONAL PAPER No. 20

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 1887. ....	16·3
1869.....	47·0	1888. ....	18·8
1870.....	38·9	1889.....	15·1
1871.....	38·9	1890.....	13·9
1872.....	40·1	1891.....	13·4
1873.....	34·9	1892.....	9·8
1874.....	31·7	1893.....	10·1
1875.....	28·4	1894.....	10·2
1876.....	24·6	1895.....	9·7
1877.....	28·3	1896.....	8·5
1878.....	27·1	1897.....	8·3
1879.....	23·7	1898.....	6·9
1880.....	25·1	1899.....	7·2
1881.....	18·5	1900.....	5·2
1882.....	19·0	1901.....	5·1
1883.....	18·7	1902.....	5·5
1884.....	19·0	1903.....	5·6
1885.....	17·1	1904.....	4·6
1886.....	16·9		

The quantity of freight carried by the canals and railways was less in 1904 by 3,773,013 tons than the quantity carried in 1903 and an increase of 56,057,321 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

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QUANTITY of freight carried—*Concluded.*

	Total Tonnage.	Proportion by canals.
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
1904 .....	68,510,495	·0459

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	1904 .....	1·5

Average twenty-four years.. 2·2

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STATEMENT of the Quantity of Grain and Rolling Freight passed down the St. Lawrence Canals from Coteau Landing to Montreal during the Years 1900, 1901, 1902, 1903 and 1904.

	GRAIN.									
	1900.		1901.		1902.		1903.		1904.	
	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.
Barley.....	600	24,907							3,526	139,231
Buckwheat.....	11	400								
Corn.....	154,815	5,525,845	71,459	2,552,107	11,732	418,791	109,937	3,920,137	61,675	2,292,679
Oats.....	16,803	1,063,029	7,831	460,043	3,899	229,262	338	19,865	900	56,541
Pease.....	112	4,700								
Rye.....	3,925	140,34	5,141	193,607	11,552	395,207	3,495	124,769	137,338	4,572,896
Wheat.....	126,963	4,215,721	207,403	6,913,434	216,305	7,298,486	175,954	5,837,504		
Total.....	303,259	10,917,156	291,834	10,119,191	243,488	8,251,746	289,724	9,902,215	203,499	6,971,347
	ROLLING FREIGHT.									
	1900.		1901.		1902.		1903.		1904.	
	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.	Tons.	Bushels.
Flax seed.....	3,779		17,208		11,606		6,347			
Flax and hemp.....	941									
Flour.....	8,255		7,290		10,615		9,733		3,798	
Furniture.....	1									
Lard and lard oil.....	1,695				689		18		54	
Meals.....	448		588						1,359	
Oil cake.....			1,255		5,900		9,415			
Meats.....										
Pork.....	418		372				464		214	
Seeds, all kinds.....					283		18			
All other vegetables.....										
Nails.....										
Oils.....										
Sugar.....	373		28							
Tallow.....									23	
Tin.....									15	
Merchandise.....	696		1		5				1	
Barrels, empty.....										
Firewood.....			1,935		180					
Lumber.....			439		379					
Woodenware.....			46							
Total.....	16,606		29,182		29,637		26,055		5,761	
Grand Total.....	319,865		327,016		273,145		315,779		209,260	

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COMPARATIVE STATEMENT of the Commerce through the United States St. Mary's Falls Canals and Canadian Sault Ste. Marie Canal, for the Seasons of 1903 and 1904.

	TRAFFIC FOR 1904.		TOTAL TRAFFIC FOR		INCREASE.	DECREASE.
	United States Canal.	Canadian Canal.	Season of 1904.	Season of 1903.	Amount.	Amount.
Vessels.....	12,153	3,962	16,115	18,595	.....	2,480
Lockages.....	7,293	3,022	10,315	11,642	.....	1,327
Tonnage registered.....	20,160,042	4,230,705	24,390,747	27,736,444	.....	3,345,697
Tonnage freight.....	26,517,916	5,080,705	31,598,621	34,674,437	.....	3,125,816
Passengers.....	21,606	16,274	37,880	35,175	.....	17,295
Coal (hard).....	880,417	111,337	992,354	1,143,065	.....	156,651
Coal (soft).....	4,583,501	875,382	5,464,883	5,788,628	.....	323,745
Flour.....	2,774,970	1,924,260	4,699,230	7,093,380	.....	2,394,150
Wheat.....	20,248,392	29,793,453	50,041,845	61,384,552	.....	11,342,707
Grain (excluding wheat).....	27,877,579	3,345,468	31,223,047	32,095,646	.....	872,599
Manufactured and pig iron.....	169,368	67,426	236,794	193,267	33,527	.....
Salt.....	277,805	88,328	366,233	454,882	.....	88,659
Copper.....	100,519	9,192	109,711	112,877	.....	3,166
Iron ore.....	17,207,260	2,432,778	19,640,038	21,634,838	.....	2,014,800
Lumber.....	894,324,000	18,787,980	913,111,980	1,077,132,000	.....	164,080,020
Soft ore.....	992	660	1,652	.....	1,652	.....
Silver ore.....	25,538	3,648	29,186	21,300	7,886	.....
Building stone.....	476,428	310,388	786,816	659,839	126,977	.....
Unclassified freight.....	.....	.....	.....	.....	.....	.....

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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 "
1904.....	223 "

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 "
1904.....	241 "

The average number of vessels passing per day through the two canals for the season of 1904 was sixty nine.

R. DEVLIN,  
*Compiler of Canal Statistics.*

OTTAWA, July 8, 1905.

Exports by Lake from Chicago to Canada during the Season of Navigation in 1904.

(*From Report of Board of Trade of Chicago.*)

Commodities.	Quantity.	Value.
Corn..... Bush.	3,281,834	\$ 1,790,998
Barley..... "	89,000	40,050
Flour..... Brls.	19,664	80,202
Oatmeal..... "	725	2,358
Oil cake..... Sacks.	3,441	13,644
Grass-seed..... "	600	2,133
Beef..... Brls.	80	900
Pork..... "	2,202	29,430
Unclassified..... Tons.	6,217	51,674
Total value .....		\$ 2,011,389

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## GRAIN FREIGHTS BY LAKE—SEASON OF 1904

The following were the current 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.

1904	To BUFFALO.		To OGDENSBURG.		To DEPOT HARBOUR.		To MONTREAL.		Erie CANAL, BUFFALO TO NEW YORK.		*CHICAGO TO NEW YORK, LAKE AND CANAL.	
	Wheat, per bush.	Corn, per bush.	Wheat, per bush.	Corn, per bush.	Wheat, per bush.	Corn, per bush.	Wheat, per bush.	Corn, per bush.	Wheat, per bush.	Corn, per bush.	Wheat, per bush.	Corn, per bush.
April 9	cts. 2	cts. 2										
" 16	2	2										
" 23	2	2										
" 30	2	2										
May 7	2	2										
" 14	2	2										
" 21	3	3										
" 28	3	3										
June 4	2½	2										
" 11	2	1										
" 18	1	1										
" 25	1	1										
July 2	1	1										
" 9	1	1										
" 16	1	1										
" 23	1	1										
" 30	1	1										
Aug. 6	1	1										
" 13	1	1										
" 20	1	1										
" 27	1	1										
Sept. 3	1	1										
" 10	1	1										
" 17	1	1										
" 24	1	1										
Oct. 1	1	1										
" 8	1	1										
" 15	1	1										
" 22	1	1										
" 29	1	1										
Nov. 5	1	1										
" 12	1	1										
" 19	1	1										
" 26	1	1										
Dec. 3	2	2										
" 10	2	2										

\* Exclusive of Buffalo charges.

No wheat shipped during 1904.

No wheat shipped during 1904.

No wheat shipped during 1904.



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## 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 1904 (as reported by the Secretary of the Merchants Exchange, Buffalo).

1904.		Wheat, Bushels.	Corn, Bushels.	1904.		Wheat, Bushels.	Corn, Bushels.
		cts.	cts.			cts.	cts.
April 26.			2	Aug. 4.		1 $\frac{1}{4}$	1 at 1 $\frac{1}{4}$
May 5.		2	2	" 17.			1
" 9.			1 $\frac{1}{2}$	Sept. 8.			1 at 1 $\frac{1}{4}$
" 10.			2	" 12.		1 $\frac{1}{2}$	1 $\frac{1}{2}$
" 12.			2 $\frac{1}{4}$	" 13.			1 $\frac{1}{4}$
" 16.		3	3	" 16.			1 $\frac{1}{2}$
" 31.			2 $\frac{1}{4}$ at 2 $\frac{1}{2}$	" 17.		1 $\frac{1}{2}$	1 $\frac{1}{4}$
June 1.			2 $\frac{1}{2}$	Oct. 10.			1 $\frac{1}{4}$
" 7.			1 $\frac{1}{2}$	" 29.			1 $\frac{1}{2}$
" 9.			1 $\frac{1}{2}$	" 31.		1 $\frac{1}{2}$	1 $\frac{1}{4}$
" 10.			1 $\frac{1}{2}$	Nov. 3.			1 $\frac{1}{2}$
" 13.			1 $\frac{1}{2}$	" 14.			1
" 15.			1 $\frac{1}{4}$	" 15.			1 $\frac{1}{2}$ at 1 $\frac{1}{2}$
" 17.			1 $\frac{1}{2}$	" 16.		1 $\frac{1}{2}$	1 $\frac{1}{4}$
" 18.			1	" 21.			1 $\frac{1}{2}$
" 27.			2 $\frac{1}{4}$ at 2 $\frac{1}{2}$	" 22.		1 $\frac{1}{2}$	1 $\frac{1}{4}$
" 29.			2 $\frac{1}{2}$	" 23.		1 $\frac{1}{2}$	1 $\frac{1}{2}$
July 18.		1		" 25.			1 $\frac{1}{4}$
" 22.			1 at 1	" 26.			1 $\frac{1}{4}$
" 23.		1		" 28.		2 $\frac{1}{4}$	2
" 25.			1	" 30.			1 $\frac{1}{4}$
" 26.			2 $\frac{1}{4}$ at 1	Dec. 1 to close.			1 $\frac{1}{4}$
" 30.			1				

Rates from Milwaukee about the same as from Chicago.

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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 rates on wheat each year in cents, per bushel : —

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

	May.	June.	July.	Aug.	Sept.	Oct.	Nov.
Grain, bushels.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
1895 { Wheat.....	1'2	1'2	1'1	1'6	2'1	3'0	3'0
{ 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
{ Corn.....	1'4	1'3	1'1	1'2	1'2	1'9	1'9
Highest rate, wheat, 1896, 2½c.; lowest, 1¼c.; average for the season, 1'7c.							
1897 { Wheat.....	1'3	1'2	1'3	1'5	2'0	1'8	1'5
{ Corn.....	1'2	1'1	1'2	1'4	1'8	1'7	1'4
Highest rate, wheat, 1897, 2½c.; lowest, 1c.; average for the season, 1'5c.							
1898 { Wheat.....	1'3	0'1	0'9	1'2	1'4	2'5	2'3
{ Corn.....	1'2	0'8	0'8	1'1	1'3	2'3	2'1
Highest rate, wheat, 1898, 3½c.; lowest, 1¼c.; average for the season, 1'5c.							
1899 { Wheat.....	2'0	2'0	2'2	2'5	3'1	3'5	2'5
{ Corn.....	1'8	1'9	2'0	2'3	3'2	3'4	2'3
Highest rate, wheat, 1899, 3½c.; lowest, 1½c.; average for the season, 2'5c.							
1900 { Wheat.....	1'8	1'9	2'1	1'6	1'7	1'7	2'0
{ Corn.....	1'6	1'7	2'0	1'5	1'6	1'5	1'8
Highest rate, wheat, 1900, 3c.; lowest, 1½c.; average for the season, 1'8c.							
1901 { Wheat.....	1'9	1'5	1'6	1'3	1'6	1'3	2'0
{ Corn.....	1'8	1'3	1'4	1'2	1'5	1'2	1'2
Highest rate, wheat, 1901, 2½c.; lowest, 1¼c.; average for the season, 1'60c.							
1902 { Wheat.....	1'3	1'3	1'2	1'6	1'5	1'7	1'9
{ Corn.....	1'2	1'1	1'1	1'4	1'4	1'6	1'7
Highest rate, wheat, 1902, 2½c.; lowest, 1¾c.; average for the season, 1'5c.							
1903 { Wheat.....	1'4	1'3	1'3	1'2	1'2	1'4	1'8
{ Corn.....	1'3	1'2	1'2	1'0	1'0	1'3	1'6
Highest rate, wheat, 1903, 2½c.; lowest, 1½c.; average for the season, 1'4c.							
1904 { Wheat.....	2'5	1'7	1'0	1'2	1'2	1'3	1'6
{ Corn.....	2'5	1'3	0'8	1'0	1'1	1'2	1'5
Highest rate, wheat, 1904, 3c.; lowest, 1c.; average for the season, 1'5c.							

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

The following statement shows the lake freights rates on wheat from Duluth to Buffalo, during the season of 1904 :—

1904.	Wheat, Bushels.	1904.	Wheat, Bushels.
	cts.		cts.
April 29.....	2	Aug. 6.....	13½
May 24.....	5	" 10.....	13½
" 27.....	4½	" 15.....	14½
June 1.....	4	" 21.....	1
" 7.....	3	Sept. 15.....	13-14
" 11.....	2	" 24.....	14½
" 16.....	1½	" 27.....	2
" 22.....	1½	Oct. 11.....	2½
" 27.....	1½-1½	Nov. 15.....	2½
" 29.....	1½	" 26.....	2½
July 7.....	1	Close.....	2½
" 11.....	1½		
" 29.....	1½		

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In 1885 the range of freights on wheat, Duluth to Buffalo, was  $1\frac{1}{2}$  to 5c.; in 1886,  $3\frac{1}{4}$  to 8c.; in 1887, 5 to 8c.; in 1888, 2 to 5c.; in 1889, 2 to 5c.; in 1890, 2 to 5c., in 1891,  $1\frac{1}{4}$  to  $9\frac{1}{2}$ c.; in 1892,  $2\frac{1}{4}$  to 4c.; in 1893,  $1\frac{1}{4}$  to  $3\frac{1}{2}$ c.; in 1894,  $1\frac{1}{4}$  to 3c.; in 1895, 2 to 6c.; in 1896,  $1\frac{1}{4}$  to 3c.; in 1897, 1 to  $2\frac{1}{2}$ c.; in 1898, 1 to  $3\frac{1}{2}$ c.; in 1899,  $2\frac{1}{2}$  to 6c.; in 1900,  $1\frac{1}{2}$  to  $3\frac{3}{4}$ c.; in 1901,  $1\frac{1}{8}$  to  $3\frac{3}{4}$ c.; in 1902, 1 to  $2\frac{1}{4}$ c.; in 1903,  $1\frac{1}{8}$  to  $2\frac{3}{4}$ c.; and in 1904, 1 to 5c.; per bushel.

The first departure by lake, at Duluth in 1904 was May 14; 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  $6\frac{1}{4}$  to  $7\frac{3}{4}$ c.; in 1888, at 4 to 5c.; in 1889, at—; in 1890,  $5\frac{3}{4}$ ,  $5\frac{1}{2}$ ,  $4\frac{1}{2}$ ,  $4\frac{1}{4}$ , 4c.; in 1891, during May,  $3\frac{3}{4}$ ,  $3\frac{1}{2}$ ,  $2\frac{1}{2}$ c.; during June, 3c.; and on July 25,  $2\frac{1}{2}$ c.; in 1892, 5c. in April; 5 to  $5\frac{1}{4}$ c. in May; 4c. in June;  $4\frac{1}{2}$ c. in July; 3c. in August; 6 to  $6\frac{1}{4}$ c. in October; in 1903, ranged from  $5\frac{1}{2}$  to  $4\frac{1}{2}$ c. in April;  $4\frac{1}{2}$  to  $4\frac{3}{4}$ c. in May; 4 to  $3\frac{1}{2}$ c. in June;  $2\frac{3}{4}$  to 3c. in July;  $3\frac{1}{2}$  to  $3\frac{3}{4}$ c. in September; no figures quoted after that date. In 1894 ranged from  $3\frac{1}{4}$  to  $3\frac{1}{2}$ c. in May;  $3\frac{1}{2}$ c. in June;  $2\frac{1}{2}$ c. in July;  $2\frac{1}{2}$  to  $3\frac{1}{4}$ c. in August; 4c. in September, and  $1\frac{1}{2}$ c. in October. On August 25 and November 3, 1894, wheat to Ogdensburg, at  $3\frac{1}{4}$ c. and  $4\frac{1}{4}$ c. respectively. In 1895, wheat to Kingston from 3c. to 5c. In 1896, wheat to Kingston from 3c. to  $5\frac{1}{2}$ c.; and in 1897, wheat to Kingston from 3c. to  $3\frac{1}{2}$ c., 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 1904 on the dates specified, as reported by the Secretary Merchant's Exchange, Buffalo.

Date, 1904.	Wheat and Corn per Bushel	Date, 1904.	Wheat and Corn per Bushel.
	cts.		cts.
Opening to April 1 .....	1	April 1 to July 14.....	$1\frac{1}{4}$
July 14 to August 1 .....	$1\frac{1}{2}$ - $1\frac{3}{4}$	August 1 to close .....	$1\frac{1}{4}$ - $1\frac{1}{2}$

The range for 1886 was  $1\frac{3}{4}$  to 3c.; for 1887,  $2\frac{1}{4}$  to 3c.; for 1888,  $1\frac{1}{2}$  to  $2\frac{1}{4}$ c.; for 1889,  $1\frac{1}{4}$  to 2c.; for 1890,  $1\frac{1}{2}$  to 2c.; 1891, 1 to 3c.; for 1892,  $1\frac{1}{2}$  to  $2\frac{1}{2}$ c.; for 1893, 1 to 2c.; for 1894, 1 to 2c.; for 1895, 1 to  $2\frac{1}{4}$ c.; for 1896,  $1\frac{1}{4}$  to  $1\frac{3}{4}$ c.; for 1897, 1 to  $1\frac{1}{4}$ c.; for 1898, 1 to  $1\frac{1}{2}$ c.; for 1899,  $1\frac{1}{2}$  to 2c.; for 1900,  $1\frac{1}{2}$  to 2c.; for 1901,  $1\frac{1}{4}$  to  $1\frac{1}{2}$ c.; for 1902,  $1\frac{1}{8}$  to 2c.; for 1903,  $1\frac{1}{8}$  to  $1\frac{1}{2}$ c.; and for 1904, 1 to  $1\frac{3}{4}$ c. per bushel.

From Toledo to Ogdensburg, wheat and corn shipped at 6 to 7c. in 1887; at  $4\frac{1}{2}$  to 6c. for wheat and 5c. for corn in 1888; and 5 to  $5\frac{1}{2}$ c. for wheat in 1889 per bushel. From Toledo, on October 8, 1887, corn shipped to Kingston at  $3\frac{1}{2}$ c. and on November 12, at  $4\frac{1}{2}$ c. per bushel. In 1888, corn Toledo to Kingston,  $4\frac{1}{2}$  to 3c.; and wheat at  $3\frac{1}{2}$  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  $6\frac{1}{2}$ c.; 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  $5\frac{3}{4}$ c. and wheat at  $5\frac{1}{2}$ c. per bushel. From 1889 to 1899, no shipments to Montreal or other places in Canada reported.

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## 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 1904 (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 27.....	3 $\frac{1}{4}$	.....	Sept. 15.....	2 $\frac{3}{4}$	2 $\frac{5}{8}$
June 13.....	3 $\frac{1}{4}$	3	" 21.....	3	2 $\frac{5}{8}$
" 16.....	3 $\frac{1}{4}$	.....	" 29.....	3 $\frac{1}{4}$	2 $\frac{7}{8}$
July 6.....	2 $\frac{3}{4}$	.....	Oct. 5.....	3 $\frac{5}{8}$	3
" 20.....	2 $\frac{3}{4}$	.....	" 6.....	3 $\frac{1}{2}$	3
" 28.....	2 $\frac{3}{4}$	2 $\frac{1}{4}$	" 13.....	3 $\frac{5}{8}$	3 $\frac{1}{4}$
Aug. 5.....	2 $\frac{1}{2}$	2 $\frac{1}{4}$	" 17.....	3 $\frac{5}{8}$	3 $\frac{1}{4}$
" 17.....	2 $\frac{3}{4}$	2 $\frac{1}{4}$	" 18.....	3 $\frac{5}{8}$	3 $\frac{1}{4}$
" 20.....	2 $\frac{3}{4}$	2 $\frac{3}{4}$	" 19.....	3 $\frac{5}{8}$	3
" 31.....	2 $\frac{3}{4}$	2 $\frac{1}{4}$	" 27.....	3 $\frac{1}{2}$	.....
			Nov. 17.....	3 $\frac{1}{2}$	To close.

Freight on oats varied from 2 to 1 $\frac{3}{4}$ c. per bushel. Pine lumber, per 1,000 feet, was carried from Buffalo to Tonawanda to New York as follows; Opened at \$2; June, \$1.90; July, \$1.80 to \$1.90; August, \$1.65; September, \$1.85; October, \$1.85 to \$1.90, to close \$1.90. Rates to Albany opened \$1.50; June, \$1.50; July, \$1.50; August \$1.35; September \$1.50; October, \$1.50 to \$1.65, to close at \$1.65.

## SESSIONAL PAPER No. 20

## 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 on each :—

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

Grain.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.
	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.	Cents.
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, 2·8c.							
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, 3·5c.							
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, 4½c.; lowest, 3½c.; average for the season, 3·5.							
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, 3½c.; 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, 4½c.; lowest, 3½c.; average for the season, 4c.							
1904 { Wheat ..	3·5	3·2	2·7	2·6	2·8	3·5	3·7
{ Corn. ....	3·0	2·7	2·4	2·1	2·4	3·0	3·1
Highest rate, wheat, 1904, 3½c.; lowest, 2½c.; average for the season, 3·2c.							

NOTE.—Canals free of tolls since 1882.

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## 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	1.4
1871	61,319,313	12.6	3.1	1.4
1872	58,703,666	13.0	3.1	1.4
1873	65,498,955	11.4	3.1	1.4
1874	55,660,198	10.0	3.1	1.4
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	1
1882	51,501,503	5.4	1.0	1
1883	65,722,080	4.9	None.	1
1884*	58,011,800	4.2	do	1
1885*	52,671,000	3.8	do	1
1886*	75,570,850	5.0	do	1
1887*	87,073,570	4.6	do	1
1888*	73,977,390	3.4	do	1
1889*	92,290,550	4.8	do	1
1890*	91,994,680	3.8	do	1
1891*	135,315,510	3.5	do	1
1892*	138,872,560	3.5	do	1
1893*	140,796,410	4.6	do	1
1894*	105,435,577	3.2	do	1
1895*	121,225,437	2.2	do	1
1896*	172,474,664	3.7	do	1
1897*	204,964,103	2.8	do	1
1898*	221,383,945	2.8	do	1
1899*	158,393,184	3.0	do	1
1900*	157,655,968	2.5	do	1
1901	132,646,828	3.5	do	1
1902	124,624,386	3.8	do	1
1903	140,438,822	4.0	do	1
1904	100,838,000	3.2	do	1

NOTE.—Prior to 1870 tolls 6.21 cents per bushel, and the elevating charge 2 cents per bushel.

\* Including flax seed.

## SESSIONAL PAPER No. 20

## 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	2572	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	1632	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 0732	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	0602	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
1904	† 0363	0482	1038	† 0473	0550	1112

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

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## 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.	1904.	1903.	1902.	1901.	1900.
		\$	\$	\$	\$	\$
Liverpool	Grain	2019	2268	2085	2147	2498
"	Sacked flour	2100	2519	2350	2300	2790
"	Provisions	3656	4190	3625	3600	4884
Glasgow	Grain	2238	2443	2175	2410	3098
"	Sacked flour	2320	2538	2275	2438	3156
"	Provisions	4406	4688	4188	4516	5531
London	Grain	2150	2356	2175	2323	3110
"	Sacked flour	2225	2519	2400	2550	3501
"	Provisions	4406	4406	3906	4475	5587
Antwerp	"	4828	4969	4150	4625	5109
Hamburg	"	4600	4700	3900	4400	5000
Amsterdam	"	4200	4200	4000	4500	5100
Rotterdam	"	4200	4200	4000	4500	5100
Copenhagen	"	4688	4969	4200	4775	5531
Stockholm	"	4969	5250	4500	5325	6450
Stettin	"	4688	4969	4200	4775	5531
Bordeaux	"	5625	5625	5125	5425	6412

### 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 1903 and 1904.

(Buffalo Merchants' Exchange.)

	1904.	1903.
Freight on hard Coal, Buffalo to Chicago, per ton	43	49
" " Milwaukee "	44	49
" " Duluth "	32	38



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Total Values of Merchandise received from British North America for Immediate Transit across United States Territory, for Immediate Transshipment in Ports of the United States to British North America, and so shipped, during each Year from 1873 to 1904, 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, On- tario and the North- west Terri- tories.	British Columbia.	Newfound- land and Labrador.	Total.	Nova Scotia, New Brunswick, and Prince Edward Island.	Quebec, On- tario and the North- west Terri- tories.	British Columbia.	Newfound- land and Labrador.	Total.
\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1873.	495,289	2,894,164	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	7,150,636	19,833,169	317,534	.....	27,310,739
1875	443,570	17,342,433	256,074	18,042,577	8,999,596	20,283,620	517,050	.....	29,800,295
1876	261,443	22,134,275	195,047	22,591,962	9,102,000	14,658,358	638,836	94	24,419,888
1877	160,658	12,092,619	218,418	12,471,695	2,879,422	15,551,258	544,018	2,475	18,972,153
1878	163,978	11,627,114	290,079	12,061,095	889,539	11,436,470	524,013	934	12,883,587
1879	194,129	11,606,822	137,271	17,134,717	1,643,716	14,806,663	531,436	2,347	17,042,103
1880	215,131	16,782,315	137,271	17,002,046	1,778,836	20,837,827	719,268	288	23,356,264
1881	171,383	16,758,108	72,555	28,543,178	2,455,557	35,878,389	853,784	1,190	37,595,484
1882	164,990	28,295,083	113,018	29,802,820	2,732,665	34,005,845	853,784	7,335	39,342,568
1883	561,791	29,294,031	36,973	13,419,227	1,740,900	19,717,466	1,475,833	5,186	27,939,385
1884	656,223	12,574,953	188,041	13,523,613	1,635,442	16,448,342	1,613,293	781	19,700,458
1885	953,806	12,280,483	308,691	10,861,020	2,040,298	19,930,296	1,825,178	6,174	20,241,975
1886	336,864	359,104	32,079	11,504,721	1,621,748	13,459,169	635,841	70	22,187,959
1887	1,165,973	9,366,804	213,816	8,542,817	1,781,028	18,993,957	370,322	1,137	13,611,656
1888	1,525,048	6,417,701	372,954	11,336,123	2,484,787	21,440,198	913,106	2,704	22,146,975
1889	2,596,253	8,356,178	284,839	17,885,255	5,277,210	18,931,481	547,144	34,273	27,883,023
1890	3,070,657	12,449,772	306,897	19,780,470	5,605,614	21,095,992	428,188	6,962	26,790,111
1891	3,850,079	15,310,945	422,806	23,928,116	1,831,417	17,820,688	463,471	6,640	20,182,216
1892	4,393,062	19,005,704	201,373	17,342,093	1,834,745	19,329,714	558,991	7,894	21,722,294
1893	1,009,597	16,404,425	80,565	381,986	1,572,783	19,441,279	772,586	1,708	21,683,416
1894	1,070,676	15,649,881	348,063	273,467	1,682,538	17,660,241	1,312,797	8,130	20,663,676
1895	1,199,782	18,038,931	582,469	19,621,862	1,536,418	22,490,622	2,294,336	19,247	25,535,013
1896	1,118,055	22,497,151	611,322	20,143,665	1,215,513	19,005,819	4,685,559	27,147	31,478,271
1897	1,140,950	35,596,039	367,295	39,336,984	1,245,771	27,452,333	2,730,612	49,555	30,555,579
1898	1,618,369	30,673,265	3,708,928	563,031	1,161,875	24,634,780	4,687,000	74,924	30,555,579
1899	2,002,264	38,382,558	3,914,668	563,970	5,086,466	27,049,411	5,441,251	31,522	37,608,605
1900	1,788,641	54,332,135	4,531,932	639,241	1,268,469	32,250,453	1,949,975	18,849	35,327,736
1901	2,206,594	54,332,135	3,490,180	782,619	1,478,806	31,097,453	1,865,573	39,143	34,180,355
1902	2,191,174	42,259,796	4,125,305	715,465	1,478,806	31,097,453	1,865,573	39,143	34,180,355
1903	1,843,249	42,259,796	4,125,305	715,465	1,478,806	31,097,453	1,865,573	39,143	34,180,355
1904	1,843,249	42,259,796	4,125,305	715,465	1,478,806	31,097,453	1,865,573	39,143	34,180,355

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TOTAL VALUE OF Merchandise received from the Principal and other Foreign Countries for Immediate Transit across United States Territory or for Immediate Transshipment in Ports of the United States to other Foreign Countries, and so shipped, for each Year from 1868 to 1904 inclusive.

Year ending June 30.	COUNTRIES FOR 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	4,864,200	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	10,801,698	150,382	5,892,678	60,715	2,373,474	1,707,097	2,693,525	1,547,602	15,033,821	448,300	72,875	1,299,801	21,095,984
1870	10,910,455	302,806	7,215,973	163,977	3,304,227	2,049,422	2,946,053	2,116,249	16,689,037	321,381	135,915	983,275	21,811,800
1871	13,473,915	322,110	7,554,060	344,179	1,367,573	1,913,200	4,031,319	1,933,807	18,406,475	346,872	345,224	1,211,840	25,375,037
1872	17,633,281	227,232	9,276,166	174,104	2,227,422	1,847,162	2,743,175	2,263,819	24,042,700	358,151	179,570	1,797,496	31,385,290
1873	19,144,815	250,704	13,334,693	286,607	5,137,904	1,821,462	5,114,175	3,622,325	26,784,184	255,113	319,771	1,993,617	40,099,185
1874	18,832,900	211,307	14,163,690	151,420	4,563,893	926,390	5,301,201	3,806,642	27,316,738	665,214	520,435	1,096,387	38,850,676
1875	18,657,276	325,648	18,042,577	115,522	1,731,308	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	1,686,789	1,686,789	11,791,200	2,938,358	24,419,888	1,129,410	600,061	1,163,508	42,062,655
1877	13,304,985	337,897	22,591,902	158,852	1,045,451	1,400,793	7,758,591	1,108,288	18,977,153	329,577	396,311	776,933	29,256,773
1878	10,084,510	378,768	12,904,038	146,822	3,041,957	1,481,633	9,577,050	2,905,230	12,912,685	316,664	319,611	1,305,968	25,093,807
1879	8,795,340	521,917	12,681,085	222,320	1,954,942	1,521,153	8,175,931	2,252,572	12,889,587	339,968	174,757	1,272,032	23,397,749
1880	10,311,139	620,704	17,134,747	239,655	3,606,099	1,942,465	10,856,579	3,658,477	17,042,103	300,148	224,848	1,775,594	33,704,048
1881	14,898,052	721,344	17,002,046	217,444	5,662,926	3,812,038	11,392,806	5,336,361	37,395,484	800,025	319,257	2,421,526	58,065,450
1882	18,911,637	755,560	28,543,178	380,100	5,662,926	4,276,712	11,689,865	2,738,934	39,312,568	2,282,473	352,552	3,681,875	58,874,392
1883	20,432,999	1,149,195	29,802,820	381,309	3,125,068	4,276,712	11,689,865	2,738,934	39,312,568	2,282,473	352,552	3,681,875	58,874,392
1884	14,038,694	948,901	13,419,227	408,124	3,655,568	4,345,544	7,235,519	3,771,524	19,700,458	1,292,515	119,376	2,746,146	34,435,538
1885	11,064,186	1,140,548	13,523,613	308,203	4,853,354	4,588,229	8,510,097	3,803,566	20,241,079	1,270,389	452,700	2,743,223	37,038,264
1886	13,142,641	1,462,414	10,610,920	216,078	6,797,879	4,588,229	8,510,097	3,803,566	20,241,079	1,270,389	452,700	2,743,223	37,038,264
1887	17,977,200	1,670,052	11,041,721	111,635	6,780,853	4,730,760	10,652,219	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	4,534,268	10,653,195	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	9,034,736	5,032,610	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	639,650	9,731,256	5,898,703	10,656,465	5,097,434	27,335,678	4,944,149	1,215,891	6,430,301	55,689,496
1891	20,879,851	2,819,238	17,980,470	565,358	6,977,901	6,473,119	11,968,808	3,640,940	27,883,923	5,032,318	966,851	7,985,977	57,407,917
1892	21,334,783	2,939,571	13,885,573	1,383,455	11,054,445	8,436,228	19,511,287	6,995,419	26,704,114	4,933,911	1,472,980	9,299,451	69,567,737
1893	20,387,339	3,406,885	17,288,255	1,652,200	10,131,171	14,426,669	18,394,861	7,986,637	29,182,216	4,543,435	2,084,761	16,645,187	67,941,857
1894	19,641,622	3,717,749	17,342,093	1,898,367	9,410,742	19,031,011	18,394,861	7,986,637	29,182,216	4,543,435	2,084,761	16,645,187	67,941,857
1895	18,531,083	4,122,899	19,621,862	2,515,091	10,204,277	10,465,981	20,562,325	6,684,733	21,722,294	4,512,293	1,951,985	10,243,561	65,677,193
1896	17,420,751	3,460,489	20,143,605	1,797,161	11,668,243	13,272,521	20,922,260	7,942,844	21,788,416	5,210,697	1,890,705	12,907,932	69,762,770
1897	17,513,324	3,183,390	24,933,823	1,903,924	9,589,820	13,272,521	21,800,250	5,393,860	20,663,676	5,320,563	2,068,454	11,874,291	70,060,103
1898	18,931,256	3,775,038	29,336,984	2,625,521	9,468,587	11,587,060	33,276,036	3,807,811	26,250,638	5,543,843	1,728,780	10,411,607	81,029,375
1899	16,594,043	4,069,828	36,561,721	3,519,942	8,372,450	10,910,462	29,383,450	5,711,338	25,535,043	6,665,660	2,700,086	10,657,105	80,028,446
1900	23,152,039	4,515,706	44,127,899	4,243,695	9,316,066	13,793,937	37,383,450	6,488,592	31,478,271	6,965,660	3,484,521	12,751,038	98,551,462
1901	21,771,394	4,681,613	44,746,109	4,659,250	15,680,902	14,821,842	37,506,242	14,204,910	30,532,579	8,110,116	3,577,929	12,407,243	106,361,119
1902	22,782,353	4,826,666	47,769,988	5,303,403	10,508,013	13,305,527	50,307,083	6,701,903	37,608,666	8,083,313	3,128,575	14,696,320	118,525,800
1903	22,583,099	5,564,526	61,487,376	6,681,954	10,190,906	15,478,227	51,137,598	6,831,163	35,527,726	9,577,354	3,080,344	15,811,933	121,986,118
1904	23,491,354	4,622,814	48,943,815	7,001,399	12,763,500	17,197,068	39,310,136	8,623,603	34,180,975	10,878,351	3,882,760	17,144,125	114,019,950

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 1904 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	107,171,909		465,741,381	229,816,211	695,557,592	66.9
1860		298,164,895	134,001,399		279,082,902	121,030,394		597,247,757	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	27.7
1865		74,385,116	174,170,336		93,017,756	262,839,588		167,402,872	437,010,124	604,412,996	32.2
1866		112,040,335	333,471,703		213,671,466	351,754,928		325,711,861	685,230,691	1,010,938,552	33.9
1867		117,200,536	300,622,035		180,625,368	280,708,368		297,834,904	581,330,403	879,163,307	33.1
1868		122,965,225	348,659,583		175,164,748	301,886,491		297,081,573	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		153,287,077	309,140,510		190,732,324	329,786,978		352,664,172	755,822,576	1,132,472,258	31.2
1871	15,187,354	177,286,302	445,416,783	7,798,156	190,378,462	392,801,932	22,985,510	353,664,172	839,346,362	1,312,328,233	28.5
1872	17,635,681	174,739,884	471,806,765	10,015,089	108,044,799	363,929,379	27,650,770	345,341,101	966,723,651	1,340,839,221	25.8
1873	17,070,548	176,027,778	405,320,135	10,799,430	171,566,758	494,915,886	27,869,978	340,306,592	989,296,106	1,312,680,640	26.7
1874	14,513,335	157,872,726	382,949,568	8,509,205	174,424,216	533,885,971	23,022,540	350,451,994	884,788,517	1,119,434,544	25.8
1875	13,083,859	157,872,726	382,949,568	7,394,356	156,385,066	501,838,949	20,388,235	314,257,792	894,788,517	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	6,707,170	164,826,214	530,354,703	17,464,810	316,660,281	839,929,536	1,194,045,627	26.5
1878	12,965,999	146,499,282	307,407,595	7,511,365	166,551,624	569,583,564	20,477,364	313,650,906	876,391,129	1,210,513,889	25.9
1879	13,590,353	143,590,353	310,409,599	7,430,802	128,425,339	600,739,633	19,423,685	272,015,692	911,269,939	1,262,708,609	22.6
1880	15,142,465	149,317,368	503,494,913	5,838,928	160,029,269	720,770,521	20,981,393	258,346,577	1,224,265,434	1,503,583,404	17.18
1881	17,193,213	133,631,146	491,840,269	8,259,308	116,955,324	777,162,714	25,452,321	250,386,470	1,269,002,983	1,545,041,974	16.22
1882	22,854,946	130,266,826	571,517,892	12,118,377	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	504,175,576	25,089,844	104,418,210	634,331,348	48,092,892	240,420,500	1,258,596,024	1,498,211,302	15.54
1884	20,140,294	135,046,297	512,511,192	26,573,774	98,652,828	615,287,007	46,714,068	233,669,035	1,197,798,199	1,498,211,302	16.60
1885	21,149,476	112,864,052	443,513,891	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	121,305,493	543,392,216	21,389,666	72,901,253	621,802,292	48,951,725	194,356,746	1,165,194,502	1,408,502,979	13.80

5-6 EDWARD VII., A. 1906

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..	32,200,459	123,525,298	568,222,357	22,147,365	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	66,654,378	803,805,108	1,217,063,541	1,487,533,027	13.70		
1890..	40,621,361	124,948,948	623,740,190	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	81,083,844	916,023,675	72,047,224	220,173,735	1,564,559,631	1,857,680,610	11.85		
1893..	44,121,094	127,065,434	695,184,394	43,862,947	70,670,073	738,132,174	87,984,041	197,765,567	1,428,316,568	1,714,006,116	12.2		
1894..	29,623,095	121,567,193	503,810,384	40,221,427	73,707,023	719,212,122	78,844,522	195,268,216	1,273,022,436	1,547,135,194	13.3		
1895..	33,201,988	108,229,015	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	187,031,887	1,377,973,321	1,662,331,612	12.00		
1897..	35,812,020	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	581,073,550	83,870,907	78,562,088	1,064,390,307	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	96,779,252	1,193,220,689	154,895,650	195,084,192	1,894,444,424	2,244,424,266	9.3		
1901..	47,100,814	93,055,493	683,015,858	111,990,631	84,343,122	1,201,520,038	150,001,745	177,358,615	1,974,536,736	2,310,357,156	8.2		
1902..	53,366,711	102,188,002	744,766,235	123,824,337	83,631,965	1,174,263,079	180,191,048	185,819,987	1,919,029,314	2,285,040,339	8.8		
1903..	66,298,195	123,060,832	835,841,210	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		
1904..	66,233,120	132,253,065	790,395,186	152,736,889	97,482,054	1,210,968,328	220,976,009	229,735,119	2,001,203,514	2,451,914,642	10.3		

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 Transshipment Trade of the United States with the British North American Possessions, during each year from 1871 to 1904.

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	1,982,007	12,081,005	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.....	15,200,907	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	15,411,656
1889.....	8,303,171	3,032,932	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
1904.....	38,565,646	10,378,169	48,943,815	32,388,050	1,792,925	34,180,975

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

5-6 EDWARD VII., A. 1906

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

Years.	VEGETABLE FOOD						
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Vegetable Food.*
	Tons.	Tons.	Ton.	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	100,935
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	166,247	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	1,063,927	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	62,826	12,027	30,153
1904.....	1,297	101,260	68,381	88,628	89,894	2,621	16,584

\* Apples, meal all kinds, potatoes.



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

HEAVY GOODS.						
Total.	Railway Iron.	Other Iron	Salt.	Coal.	Ores.	Total.
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	1,528,358
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	33,309	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	90,636	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
361,333	40	25,321	109,711	707,340	80,191	922,603

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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	52,950	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	41,035	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
1904.....	35,049	165,138	116,444	27,171	16,582	.....	13,184

\* Fiscal.

† Apples, meat all kinds, pease, potatoes.



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through the Welland Canal, during a period of thirty-four years, ended Dec. 31, 1904.

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
373,568	11,381	9,957	1,093	4,164	113,525	39,683	179,803

5-6 EDWARD VII., A. 1906

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-six 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	47,060	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	1,066,834	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	508,596	.....	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. ....	62	129,683	184,996	53,472	33,564	10,478	25,621	438,434	.....	44' 11
1901. ....	3	211,317	86,240	45,624	87,337	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	61,060	12,027	510	445,818	.....	43' 31
1904. ....		47,318	57,277	31,507	78,430	1,413	.....	215,945	.....	72' 54

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

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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	2,036	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	.....	.....	463	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
1904.....	.....	.....	.....	8,477	.....	474	.....	8,951	....	96'66

\* Apples, meal, all kinds, potatoes.

5-6 EDWARD VII., A. 1906

F.—TABLE showing the Total Way and Through Tonnage of the undermentioned Articles cleared downward on the Welland Canal during a series of thirty-four 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	403,923
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
1904.....	35,046	164,515	116,444	27,171	16,582	.....	13,157	372,915

\* Fiscal.

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

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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-four years, ended December 31, 1904.

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	7,400	667	1,006	337,530	68,064	14,334	89,086	28,566	35,912	233,962
1870	10,482	124,695	80,761	1,391	7,400	.....	908	234,337	24,040	13,239	49,843	95,471	59,401	224,264
1871	10,805	127,727	101,329	1,929	1,188	3	392	243,366	4,659	13,826	40,507	170,242	62,942	292,176
1872	8,230	229,053	125,627	.....	5,948	.....	5,385	374,226	5,742	8,941	22,888	203,673	19,651	260,895
1873	1,884	113,832	54,188	2,611	2,946	500	1,920	177,908	14	4,123	12,931	192,767	34,451	244,451
1874	5,187	136,247	54,138	1,945	2,946	525	403	162,405	.....	5,531	29,395	167,110	25,808	227,844
1875	3,342	107,386	65,260	1,603	2,314	258	413	180,586	8,976	8,688	8,336	172,868	41,107	239,975
1876	1,316	65,542	60,026	839	277	.....	341	128,361	2,465	3,618	3,892	190,683	13,559	178,723
1877	159	53,791	33,401	1,531	296	.....	11	48,580	4,743	3,515	371	118,573	17,797	148,711
1878	.....	30,611	16,122	1,531	.....	.....	10	65,285	1,313	5,570	.....	83,858	6,464	92,954
1879	.....	34,329	30,031	1,531	.....	684	14	64,002	.....	4,076	.....	158,552	14,553	177,161
1880	107	30,227	32,433	537	731	.....	8,579	132,496	1,209	6,901	8	196,462	24,891	229,471
1881	2,041	54,382	66,128	735	9,874	.....	8,170	114,429	698	599	.....	210,790	15,100	227,187
1882	1,715	40,956	53,707	.....	882	.....	1	118,203	196	1,594	.....	198,416	15,029	215,639
1883	1,124	53,255	63,229	732	4,790	.....	13,201	172,888	.....	5,328	1	180,964	11,364	206,813
1884	7,591	53,258	91,048	1,752	12,050	179	10,859	157,530	15	4,406	56	82,780	627	87,828
1885	11,780	37,678	83,431	1,752	12,050	.....	11,598	189,825	63	1,601	896	173,279	2,369	177,258
1886	8,563	31,909	102,974	2	26,510	.....	17,225	236,208	.....	1,587	208	162,231	1,204	164,563
1887	5,017	39,229	147,042	.....	27,492	.....	29,497	275,619	.....	504	208	186,572	1,773	189,342
1888	9,204	31,527	180,842	6,519	52,823	.....	26,115	253,444	.....	576	705	183,895	.....	184,473
1889	6,802	32,097	127,494	6,433	36,935	864	31,992	311,389	.....	344	2	206,827	.....	207,171
1890	11,018	26,950	131,222	16,751	23,870	.....	36,352	244,550	.....	297	.....	188,521	.....	188,818
1891	6,988	28,187	198,777	28,095	27,621	.....	60,462	198,358	181	246	.....	149,490	.....	149,917
1892	17,795	53,846	103,329	16,737	16,137	490	46,456	300,407	965	15	.....	207,348	.....	207,494
1893	10,169	27,881	100,512	11,128	17,029	.....	41,887	276,242	770	339	4	156,814	.....	166,123
1894	16,224	34,878	175,094	14,173	14,969	.....	22,671	209,656	.....	331	1,646	88,931	.....	91,481
1895	7,237	28,919	169,057	6,909	12,732	1,197	18,198	141,892	.....	953	553	46,024	.....	46,977
1896	4,212	11,268	150,667	4,424	19,526	923	14,248	145,787	.....	80	105	46,702	.....	46,970
1897	6,118	12,926	81,777	2,402	19,526	2,149	14,016	143,732	83	214	.....	12,911	.....	13,125
1898	7,966	18,771	60,545	7,119	26,344	.....	12,675	142,634	.....	.....	.....	113,672	.....	113,635
1899	17,165	23,557	55,531	7,418	10,066	12,675	12,675	166,725	459	.....	.....	63,882	.....	63,882
1900	13,785	32,639	66,111	11,433	6,112	13,508	13,508	129,986	.....	.....	.....	.....	.....	.....
1901	6,082	15,917	108,911	16,621	16,497	4,174	13,679	129,986	.....	.....	.....	.....	.....	.....
1902	8,556	14,269	60,964	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* 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-four years, ended December 31, 1904.

Year.	Total on New York Canals.	Total on Welland Canals.	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	177,968
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.....	1,062,355	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	607,537	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	8,869	165,725
1904.....	361,333	373,568	4,632,082	215,945	8,951	129,986

\* 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 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903 and 1904.

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	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						2,35 ,309	
Staves..... No.										
Firewood..... Cords										
	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		33,723		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										







## SESSIONAL PAPER No. 20

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.
	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.....	1,557				2,424				2,424
Oats.....					21,646				23,203
Pease.....					923				923
Rye.....	435		6,736				3,398		10,569
Coal.....	25,203		18,051		49,522		1,567		94,943
Miscellaneous merchandise..	485		916				100		1,501
Shingles, woodenware, &c....	2,077,748		772,739		14,855,338		19,949,079		37,654,904
Sawed lumber..... Ft. B.M	322,138		585,780		20,802		328,806		1,257,526
Square timber..... Cub. ft.			9						9
Firewood..... Cords.									
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		163,599
Barley.....					2,402		1,047		3,449
Oats.....	115				39,706		407		40,113
Pease.....	1,389				4				119
Rye.....	723		637		2,149				3,538
Coal.....	53,649		31,536		433		559		2,352
Miscellaneous merchandise..	1,078				43,344		3,564		132,093
Shingles, woodenware, &c....	6,847,279		5,344,258		14,984,483		18,770,405		45,946,425
Sawed lumber..... Ft. B.M	439,827		355,951		11,583		198,420		1,005,781
Square timber..... Cub. ft.	126		255						381
Firewood..... Cords.	1,000								1,000
Staves..... No.									
	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.....	944				7,119				7,119
Oats.....					27,197				28,141
Pease.....	2,961								2,961
Rye.....	1,960		362		357				2,679
Coal.....	71,300		32,312		12,874		7,469		123,955
Miscellaneous merchandise..	18								18
Shingles, woodenware, &c....	6,533,423		4,060,251		11,089,806		13,092,940		34,776,420
Sawed lumber..... Ft. B.M	362,441		204,682		9,384		149,531		724,038
Square timber..... Cub. ft.	165		264						429
Firewood..... Cords.									
Staves..... No.									

5-6 EDWARD VII., A. 1906

1.—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.		Sa l.		Steam.		Sail.		Steam and Sail	
	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	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	228	157,539	55	39,375	205	187,748	42	15,918	530	400,580
1904.	Tons.		Tons.		Tons.		Tons.		Tons.	
Wheat.....	116,794		33,302		14,269				164,365	
Corn.....	12,768		7,814		95,362				116,444	
Barley.....	2,619		824		23,728				27,171	
Oats.....					16,261				16,261	
Pease.....					3				3	
Rye.....										
Coal.....	1,925		7,187		17,133		7,668		33,913	
Iron ore.....	34,907				1,925				36,832	
Merchandise.....	29,567				60,548				90,115	
Shingles, woodenware, &c.....										
Sawed lumber..... Ft. B. M.	15,077,382		854,811		32,754,541		9,572,655		58,259,389	
Square timber..... Cub. ft.	944,508		744,000				149,000		1,837,508	
Firewood..... Cords					717				717	
Staves..... No.	634,000								634,000	

## SESSIONAL PAPER No. 20

## 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 1904, is as follows :—

Summary.	Tons.	Tons.
In Canadian steam vessels.....	53,735	58,880
" sail " .....	5,145	
Total quantity in Canadian vessels.....		
In United States steam vessels.....	117,712	123,522
" sail " .....	5,810	
Total in United States vessels.....		
Grand total freight passed UP the Welland Canal in Canadian and United States vessels.....		182,402

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STATEMENT of the quantity of Through Freight passed Up and Down the Welland Canal during the season of navigation in 1904.

Summary.	Tons.	Tons.
In Canadian steam vessels up .....	53,735	
" " down .....	243,299	
Total in Canadian steam vessels .....		297,025
In Canadian sail vessels up .....	5,145	
" " down .....	65,432	
Total in Canadian sail vessels .....		70,577
Total quantity in Canadian vessels .....		367,602
In United States steam vessels up .....	117,712	
" " down .....	284,756	
Total in United States steam vessels .....		402,468
In United States sail vessels up .....	5,810	
" " down .....	26,600	
Total in United States sail vessels .....		32,410
Total quantity in United States vessels .....		434,878
Total in Canadian and United States vessels .....		802,480
	Down or East Bound.	Up or West Bound
In Canadian vessels .....	308,722	58,880
" United States vessels .....	311,356	123,522
Total .....	620,078	182,402



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5-6 EDWARD VII., A. 1906

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.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4—Con.</i>													
Crockery....					5								
Furniture....	1		2			1				5		3	6
Glass, all kinds....					9	53	75	16		1		15	3
Molasses....				100	167	9	56	139			54	240	
Nails....								1				19	
Oil....				6	23	112	1,141	7,143	15,647	14,987	12,091	14,619	12,848
Paint....				2						17		5	
Pitch and tar....													
Rags....					4								
Rosin....												20	
Soda ash....										4			
Sugar....					1					112			
Stone, wrought....													
Tin....													
Tobacco....								96					87
White lead....									16				
Whisky, beer and other spirits....	6	1		101	101	46	4	74	11	32			766
Merchandise, not enumerated....	36	4	330	538	376	1,226	866	518	92	2,420	419	582	713
Total, class 4.....	60	28	351	801	679	1,580	2,215	7,969	15,798	19,366	12,577	15,569	14,456
<i>Class 5.</i>													
Barrels, empty....	1			1									
Hoops....								1	182	66	15		
Sawn lumber....	1,678	667	683	1,117	657	257	3,065	924	15,760	2,635	1,085		
Staves, pipe and barrel....	8					478							394
" West India and pipe....	260					4,716							
Timber, square, in vessels....													1,544
" " in rafts....	400				1,200	1,207	329	26			17		
Woodenware....			6										
Total, class 5.....	2,327	667	689	1,118	1,857	6,653	3,394	951	15,942	3,205	1,117		1,938
<i>Special Class.</i>													
Coal....													
Iron Ore....													17,362
Grand total.....	263,144	508,016	292,191	266,659	480,977	584,246	538,108	354,485	28,231	184,420	250,475	398,427	275,278



## SESSIONAL PAPER No. 20

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 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903 and 1904.

Articles.	1892.		1893.		1894.		1895.		1896.		1897.		1898.		1899.		1900.		1901.		1902.		1903.		1904.		
	Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		
<i>Class 3.</i>																											
Bricks.....					1	24	15	70	70	24	49	196	22	80	115												
Brimstone.....	1,570	3,169			2,281	1,859	1,686	837	996	997	1,931	5	20	23	32												
Cement and water lime.....	240				253			4	144	8	4	2,916	178	3,924	39												
Clay, lime and sand.....														181													
Cotton, raw.....	426	465			512		11	10	9	10	8	8	1	23	4												
Fish.....																											
Gypsum.....	1,171	6,576			20		1,687	6		4	74	748	11,735	39,641	283												
Iron, railway.....																											
" pig.....		74	25	56																							
" all other.....	387	543			114	1,831	727	559	699	1,318	1,428	4,950	2,904	5,845	3,782												
Salt.....	2,634	995			843	932	822	25	35		48	75	4	87	99												
Steel.....	269	426			248	528			19	18		3	11	332	58												
Stone for cutting.....	145						4	62							41												
Flour.....		3										16															
Hay.....						124																					
Meals.....					15																						
Oats.....																											
Potatoes.....																											
Seeds, all kinds.....					33	25	99	121	56	121	218	302	58	325	164												
Tobacco, raw.....																											
Agricultural products not enumerated, vegetables.....					5	26		4				1	1	6													
Hides and skins.....						26	1		1																		
Horses.....																											
Lard and lard oil.....	16					1																					
Meats other than pork.....									2																		
Pork.....																											
Wool.....	13										1																
All other articles not enumerated.....					10																						
Total, class 3.....	6,345	12,292			4,335	5,432	5,089	1,698	2,631	2,500	3,764	9,222	15,320	50,768	4,647												
<i>Class 4.</i>																											
Ashes, pot and pearl.....	88																										
Crockery and earthenware.....	8	98			107	12	83	4	33	3	5			32	291												
Dye woods, &c.....																											
Furniture.....	3							2			1																

5-6 EDWARD VII., A. 1906

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.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
<i>Class 4—Con.</i>													
Glass, all kinds.....	132	365	175	394	612	799	150	299	456	612	1,384	1,207	1,071
Manilla.....		11											34
Molasses.....	32	43	42	20	1							6	
Nails.....	276	472	500	1,149	409	129	229	518	130	675	1,292	2,878	2,009
Oil, in barrels.....	2	44	8	31	33	12	15	21	74	83	14	16	1,418
Paint.....	15	70	8	75	49	20	35	6	12	69	97	158	202
Pitch and tar.....	15	26	152	67	60	20	37	6	21	27	27	58	199
Rags.....								14			1	29	
Resin.....								15					1
Soda, ash.....	352	68	94	84	74	249	88	108	69	169	201	264	387
Stove, wrought.....	14				17	25	31						
Sugar.....	1,320	2,218	2,724	1,430	1,873	311	566	1,506	430	810	1,314	204	52
Tin.....	27	34	327	396	395	339	237	139	117	338	506	209	362
Turpentine.....													
White lead.....	6	35	2	7	10	5		1	4	11	37	80	82
Whiting.....	71	31	1	113	56	104	93	39	39	49	61	22	33
Whisky, beer, &c.....	290	26	53	77	51	93	98	178	285	131	182	452	432
Merchandise not enumerated.....	538	799	900	1,268	1,247	711	793	482	744	1,516	1,049	3,074	6,200
Total, class 4.....	3,125	4,343	5,104	5,123	4,970	2,844	2,405	3,491	2,447	4,492	6,169	9,294	13,379
<i>Class 5.</i>													
Barrels, empty.....													
Firewood in vessels.....													
Lumber, sawn, in vessels.....											3,600	40,026	40,425
Log, in vessels.....												611	
Railway ties in vessels.....													
Woodenware.....													
Total, class 5.....											3,600	40,637	40,425
<i>Special Class.</i>													
Coal.....													
Iron ore.....													
Total special class.....													
Grand total.....	9,470	16,545	9,439	10,555	10,050	4,542	4,436	5,991	6,211	13,714	25,289	100,689	71,512

## SESSIONAL PAPER No. 20

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 1892 to 1904 inclusive.

Articles.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
	Ton	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 3.</i>													
Bricks.....													
Cement and water line.....													
Fish.....		5	5	181		845	300		18				
from, railway.....				214		965	770		714		30		
" all other.....	1	102					324	1,008		105			
Salt.....								549					
Steel.....	1				498		2,951	13,522	3,110				
Stone for cutting.....													
Apples.....	6,433	16,751	28,065	7,904	11,128	14,173	6,909	2,424	2,462	7,119	7,418	11,433	16,621
Barley.....	131,222	198,777	105,329	100,512	175,094	169,057	150,667	81,777	60,545	55,531	66,117	108,917	60,964
Corn.....	11,018	6,588	17,795	10,169	16,224	7,257	4,212	6,118	7,966	17,168	13,785	6,082	8,536
Flour.....						301							
Hay, pressed.....													
Meal, all kinds.....	31,724	36,352	60,390	46,316	46,456	41,644	22,636	18,198	14,244	14,016	12,675	13,546	13,076
Oil cake.....			29						2,705	1,302	110	740	16,497
Oats.....	36,935	23,870	27,621	16,442	16,137	14,969	12,729	19,526	39,706	26,344	10,006	6,112	3
Pease.....							45		4			22	
Potatoes.....													
Rye.....		864			490		1,197	923	2,149			4,174	
Flaxseed.....								200				1,594	
Seeds, all kinds.....	50	16		14	78	299	44	11			10	27	
Tobacco.....										23			
Wheat.....	26,950	28,187	53,846	27,881	34,878	28,919	11,268	12,926	18,771	23,557	32,639	15,436	14,269
Agricultural products, vegetables.....									6	10		1	
Hides and skins, &c.....				8	41	23							
Horses.....		2	4		3		2		4			2	
Lard and lard oil, &c.....		1		6	1,348	1,444	3,671	864	1,588	1,680	2,413		
Meats, other than pork.....	29			30									
Pork.....	1	52	56	87	390	243	1,271	343	117	970	632	152	379
Sheep.....													
Tallow.....							359	201	631	119		482	134
Wool.....	70	80	1,484	1,536	900	197	89	130		3	752		
Total, class 3.....	244,434	311,647	294,654	211,300	303,665	280,319	219,434	158,720	154,680	147,947	146,581	108,720	130,499
<i>Class 4.</i>													
Agricultural implements.....													396
Crockery and earthenware.....													
Furniture.....				2			2	7		3	17		

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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 1892 to 1904 inclusive—*Concluded.*

Articles.	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4—Con.</i>													
Glass, all kinds.....													
Marble.....													
Melasses.....								8	57	4			
Nails.....			57				11	367	17	22	1,594	2,000	1
Oil, in barrels.....				30	1,005	198	119	2	36			4	17
Paint.....	44						3	1					
Rags.....													
Soda ash.....													
Stone, wrought.....													
Sugar.....				59	165	31			154	448	280		53
White lead.....				15			34	168	1	1			
Whisky, beer and all other spirits.....	46	83											
Merchandise.....	1,331	1,693	2,976	7,656	3,490	3,591	3,828	6,219	7,889	3,337	1,928	2,010	1,554
Total, class 4.....	1,421	1,782	3,033	7,762	5,160	3,820	3,986	6,783	8,164	3,805	4,218	4,017	2,021
<i>Class 5.</i>													
Empty barrels.....		9			10				5	282			
Firewood, in vessels.....					165						4		717
Lumber, sawn, in vessels.....	54,173	68,985	62,905	41,974	75,515	68,280	52,844	57,695	55,128	38,685	72,806	48,337	30,194
Masts and spars, in vessels.....						403							
Hop poles.....													154
Railway ties, in vessels.....				446									632
Shingles.....		13											
Staves, barrel.....				500		1,040							
Timber, square, in vessels.....	54				12	1							
Woodenware, &c.....													
Total, class 5.....	54,227	69,007	62,905	42,920	75,702	69,724	52,844	57,695	55,133	38,357	72,810	48,337	31,717
<i>Special Class.</i>													
Coal.....	651	2,123	727	603	1,255		759	2,293	992	357	501		1,100
Stone, not suitable for cutting.....													
Kryolite.....													
Total, special class.....	651	2,123	727	603	1,255		759	2,293	992	357	501		1,100
Grand total.....	300,733	384,559	361,319	262,585	385,782	353,863	277,023	225,491	218,969	190,476	224,110	221,974	165,337

## SESSIONAL PAPER No. 20

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 1904.

Names of Vessels.	Original quantity through the Welland Canal.	Quantity tranship- ped at Kingston.	Cargo through the St. Lawrence Canals to Montreal
	Tons.	Tons.	Tons.
Canadian steamer A. E. Ames.....	1,560	.....	1,560
" " ".....	1,620	.....	1,620
" " ".....	1,578	.....	1,578
" " ".....	1,548	.....	1,548
" " ".....	1,380	.....	1,380
" " Arabian.....	1,203	.....	1,203
" " ".....	1,193	.....	1,193
" " ".....	697	.....	697
" " ".....	1,200	.....	1,200
" " ".....	1,200	.....	1,200
" " Neepawah.....	1,845	.....	1,845
" " ".....	1,770	.....	1,770
" " ".....	1,815	.....	1,815
" " ".....	1,800	.....	1,800
" " ".....	1,770	.....	1,770
" " ".....	600	.....	600
" " ".....	1,845	.....	1,845
" " ".....	1,830	.....	1,830
" " Ostergothland.....	1,365	.....	1,365
" " H. M. Pellatt.....	1,561	.....	1,561
" " ".....	1,515	.....	1,515
" " ".....	1,531	.....	1,531
" " ".....	1,236	.....	1,236
" " ".....	1,320	.....	1,320
" " ".....	1,500	.....	1,500
" " ".....	1,540	.....	1,540
" " J. H. Plummer.....	1,620	.....	1,620
" " ".....	1,620	.....	1,620
" " ".....	1,619	.....	1,619
" " ".....	1,620	.....	1,620
" " ".....	1,560	.....	1,560
" " ".....	928	.....	928
" " ".....	1,440	.....	1,440
" " Sirius.....	1,471	.....	1,471
" " ".....	1,500	.....	1,500
" " ".....	1,503	.....	1,503
" " Turret Crown.....	2,100	.....	2,100
" " Wahcondah.....	1,640	.....	1,640
" " ".....	1,635	.....	1,635
" " ".....	1,635	.....	1,635
" " ".....	1,575	.....	1,575
" " ".....	1,490	.....	1,490
" " ".....	1,515	.....	1,515
" " ".....	1,530	.....	1,530
" barge Hamilton.....	1,949	.....	1,949
" " Melrose.....	1,500	.....	1,500
" " ".....	1,500	89	1,411
Total.....	70,972	89	70,883

Number of cargoes of wheat.....	47
Quantity through Welland to Kingston.....	70,972 tons.
" transhipped at Kingston.....	89 "
" taken to Montreal in vessels in which it arrived at Kingston.....	70,883 "



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 1904.

	Number of Cargoes.	Total Number.
Wheat.....	47	
Corn.....	28	
Total .....		75
	Tons.	Tons.
Quantity of wheat through the Welland Canal bound for Montreal.. . . .	70,972	
" corn " " "	45,339	
Total through the Welland Canal.....		116,311
Quantity of the above transhipped at Kingston—		
Wheat.....	89	
Corn.....	127	
Total transhipped... ..		216
Quantity of the above cargoes taken to Montreal in vessels in which it arrived at Kingston—		
Wheat . . . . .	70,883	
Corn.....	45,212	
Total quantity to Montreal ... ..		116,095
Grand total .....		116,311

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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 1904.

	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.
	86	84,334	24	22,442	105	133,644	....	....	215	240,470
	Tons.		Tons.		Tons.		Tons.		Tons.	
Barley.....	2,619		824		23,728		.....		27,171	
Corn.....	12,768		7,814		95,862		.....		116,444	
Oats.....	.....		.....		16,497		.....		16,497	
Pease.....	.....		.....		3		.....		3	
Bye.....	.....		.....		.....		.....		.....	
Wheat.....	116,794		33,302		14,269		.....		164,365	
Total .....	132,181		41,940		150,359		.....		324,480	

86 cargoes in Canadian vessels, steam, total quantity.....	132,181
--	---------

26	"	"	sail	"	.....	41,940
----	---	---	------	---	-------	--------

20	"	"	salmon	41,549
117	"	United States vessels, steam, total quantity	150,359	

111	"	United States vessels, steam, total quantity .....	100,000
...	"	" " " sail " .....	



## SESSICNAL PAPER No. 20

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 1904.

Summary.	Tons.	Tons.
Canadian steam—89 cargoes of grain.....	132,181	
" sail 26 " .....	41,940	
Total in Canadian vessels.....		174,121
United States steam—118 cargoes of grain.....	150,359	
" sail .....		
Total in United States vessels .....		150,359
Total in Canadian and United States vessels .....		324,480
Distributed as follows:—		
59 Canadian and 16 United States vessels arrived at Kingston and discharged part of their cargoes, taking the balance to Montreal. ....		116,095
156 vessels arrived at Kingston and discharged all their cargoes as follows:		
63 cargoes in Canadian vessels .....	100,466	
93 " United States vessels.....	107,703	
Quantity discharged by two Canadian vessels which took the balance to Montreal.....	216	
Total quantity discharged.....	208,385	
Total quantity of above transhipped from Kingston and Ogdensburg and taken to Montreal .....		*82,151
Quantity remaining at Kingston, Ogdensburg and other American ports.....		126,234
Total.....		324,480

\* Of this quantity 4,014 tons were transhipped from Kingston, being grain of 1903.

5-6 EDWARD VII., A. 1906

Q.—COMPARATIVE STATEMENT of the Quantity of Grain passed Down the Welland Canal to Kingston and Ogdensburg, during the Seasons of Navigation in 1903 and 1904.

	1903.		1904.	
	No. of Cargoes.	Tons.	No. of Cargoes.	Tons.
Quantity arrived at Kingston in Canadian vessels .....	170	218,840	115	174,121
Quantity arrived at Kingston and Ogdensburg in United States vessels .....	219	273,986	118	150,359
	389	492,826	233	324,480
Quantity transhipped at Kingston and Ogdensburg in Canadian vessels for Montreal.....		*252,354		82,151
Quantity taken to Montreal in vessels in which it arrived at Kingston.....		99,582		116,095
Quantity remaining at Kingston, Ogdensburg and Cardinal .....		140,890		126,234
Total .....		492,826		324,480

\* Of this quantity 4,014 tons were transhipped to Montreal in 1904. 75 vessels took their cargoes through in 1904 against 74 in 1903. 2 vessels discharged part of their cargo in 1904 against 7 in 1903. 156 vessels discharged all their cargo in 1904 against 308 in 1903.

R.—STATEMENT showing the Number of Vessels, their Tonnage, Number of Passengers, and Tons of Freight, passed down the rapids of St. Lawrence Canals, during the Season of Navigation in 1904.

	No. of Sections.	No. of Vessels.	Tonnage of Vessels.	No. of Passengers	Class Three.	Class Four.	Class Five.	Special Class.	Tolls.
									8 cts.
Prescott to Montreal..	4	115	59,377	15,033	145	928			2,156 34
" Lachine....	3	39	21,233	2,246	1,010	1,849			681 74
Valleyfield to Montreal	2	5	425						1 60
" Lachine..	1	111	22,530	2,882	1,272	462			185 95
Lachine to Montreal..	1	33	55,591	24,502	931	1,044	19		806 17
Total .....		303	159,156	44,663	3,358	4,283	19		3,831 80

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S.—The quantity of Coal passed through the Welland Canal during a series of years from 1885 to 1904, 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
1904.....	2,919		62,782	1,100	3,711	32,813	103,325	20,665 00

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. May 11, 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 1904 all tolls were free. O. C. April 23, 1903.

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T.—STATEMENT showing the quantity of Coal passed through the whole length of the St. Lawrence Canal during the seasons of 1885 to 1904, 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
1904. ....	9,670	320,973	330,643	*48,145 95

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.

## SESSIONAL PAPER No. 20

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 1893 to 1904, 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.
1893.	Tons.	Tons.	Tons.
Ashes, pot and pearl.....	23		
Barley.....	690	1,110	16,751
Bricks.....		1,251	
Corn.....	278,564	5,732	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 February 13, 1893, as follows:—For the season of 1893, the canal toll for the passage of the following food products: wheat, Indian corn, peas, 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.

5-6 EDWARD VII., A. 1906

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 Canal to entitle these products to free passage through the St. Lawrence Canals.

## SESSIONAL PAPER No. 20

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

Articles.	Quantity passed down to Montral.	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	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.....	304		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.

5-6 EDWARD VII., A. 1906

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 vegetables .....	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		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, of 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	
" in 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.



## SESSIONAL PAPER No. 20

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.

5-6 EDWARD VII., A. 1906

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 .....	141	644	
Seeds, all kinds .....			44
Spirits, beer, &c. ....	4		34
Steel .....	1,351	3,122	2,951
Stone for cutting .....		551	
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	110,893	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.

## SESSIONAL PAPER No. 20

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 kinds .....	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.

5-6 EDWARD VII., A. 1906

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.

## SESSIONAL PAPER No. 20

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		10
"    products, vegetable .....	3		
Ashes .....			7,119
Barley .....		2,322	357
Coal .....	14,319	4,828	48,609
Corn .....	4,965	2	
Flaxseed .....	1,400	218	15,768
Four .....	5		
Furniture .....	1		
Glass (all kinds) .....	246		
Hay, pressed .....			
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.

5-6 EDWARD VII., A. 1906

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.
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.

## SESSIONAL PAPER No. 20

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.
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 2,800 tons were transhipped to Montreal being grain for 1902.

5-6 EDWARD VII., A. 1906

U.—COMPARATIVE STATEMENT of the Quantity of Through Freight passed down the Welland Canal to Canadian Ports, &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.
1904.	Tons.	Tons.	Tons.
Agricultural implements.....	17	.....	393
Apples.....	1	.....	.....
Ashes.....	16	.....	3
Barley.....	9,697	853	16,621
Cement and water-lime.....	35	.....	.....
Coal.....	55,021	32,813	1,100
Corn.....	.....	3,950	57,473
Dye woods and dye stuffs.....	.....	2	.....
Flax seed.....	212	.....	.....
Flour.....	24,662	635	8,556
Furniture.....	6	12	.....
Glass, all kinds.....	3	.....	1
Hides and skins.....	10	1	.....
Iron, railway.....	8,170	.....	2,166
" all other.....	1,651	.....	1,306
" ore.....	17,362	.....	19,460
Meal, all kinds.....	57	.....	13,096
Nails.....	.....	18	.....
Oats.....	.....	.....	16,497
Oil, in barrels.....	12,843	.....	1,755
Oil cake.....	7,846	2	.....
Paint.....	.....	10	17
Pease.....	.....	.....	3
Pitch and tar.....	.....	180	.....
Pork.....	.....	.....	379
Salt.....	615	478	.....
Steel.....	16	1	.....
Spirits, &c.....	766	458	.....
Sugar.....	.....	.....	53
Tallow.....	.....	2	.....
Tin.....	87	28	.....
Wheat.....	* 133,528	18,908	11,929
Wool.....	.....	.....	134
Merchandise.....	713	102	1,554
Firewood.....	.....	.....	717
Hop poles.....	.....	.....	154
Railway ties.....	.....	.....	652
Sawn lumber, in vessels.....	.....	9,743	86,979
Square timber.....	1,544	35,607	.....
Salt barrels.....	394	.....	.....
Total.....	275,277	103,803	240,908

\* Of this quantity 4,014 tons were transhipped to Montreal, being grain of 1903.



## SESSIONAL PAPER No. 20

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.
1893.	Tons.	Tons.	Tons.
Barley .....	600	1,110	16,751
Corn .....	278,564	5,752	156,776
Oats .....	9,761	1,090	20,313
Pease .....	3,669	1	1
Rye .....	209,212	17,602	29,117
Wheat .....			
Total grain .....	501,896	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 .....	212,557	13,349	42,934
Wheat .....			
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
1896.			
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

† 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.

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

5-6 EDWARD VII., A. 1906

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.
1897.	Tons.	Tons.	Tons.
Barley.....			14,173
Corn.....	264,396	11,103	115,689
Oats.....	6,847	3,046	15,234
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	115,989	128,207
Total.....	581,047	169,246	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	23,602	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
1900.			
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.....	+241,661	17,525	84,589
Other articles.....	43,570	95,680	93,287
Total.....	288,231	113,205	177,876

\* 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.

+ Of this quantity, 12,171 tons came down in 1899 and were transhipped to Montreal in 1900.

## SESSIONAL PAPER No. 20

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.
1901.	Tons.	Tons.	Tons.
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.			
Wheat.....			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
1904.			
Barley.....	9,697	853	16,621
Corn.....	55,021	3,950	57,473
Oats.....			16,497
Pease.....			3
Rye.....			
Wheat.....	**133,528	18,908	11,929
Total grain.....	198,246	23,711	102,523
Other articles.....	77,031	80,092	138,475
Total.....	375,277	103,803	240,998

\*Of this quantity, 12,171 tons came down in 1899 and were transhipped to Montreal in 1900.

†Of this quantity, 9,321 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.

\*\*Of this quantity, 4,014 tons were transhipped to Montreal, being grain of 1903.

5-6 EDWARD VII., A. 1906

COMPARATIVE STATEMENT showing the quantity of Vegetable Food and Lumber passed through the Canals during the Years ended 31st December, 1903 and 1904.

VEGETABLE FOOD.												Lumber.	Total.					
Flour.		Wheat.		Corn.		Barley.		Oats.		Rye.				Buck-wheat.		All other.		
Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		Tons.		
Welland Canal, 1903.																		
" 1904.																		
Increase.																		
Decrease.																		
St. Lawrence Canals, 1903.																		
" 1904.																		
Increase.																		
Decrease.																		
Chamblay Canal, 1903.																		
" 1904.																		
Increase.																		
Decrease.																		
Ottawa Canals, 1903.																		
" 1904.																		
Increase.																		
Decrease.																		
Rideau Canal, 1903.																		
" 1904.																		
Increase.																		
Decrease.																		

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St. Peter's Canal, 1903.....	2,234	273	16	2,996	.....	2	7,014	17,635	30,174
" 1904.....	1,691	8	4	1,703	.....	3	5,456	6,919	15,784
Increase.....	543	265	12	1,293	.....	1	1,558	10,720	14,390
Decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trent Valley Canals, 1903.....	1,226	.....	.....	.....	.....	.....	298	4,459	5,983
" 1904.....	69	.....	.....	.....	.....	.....	120	.....	189
Increase.....	1,157	.....	.....	.....	.....	.....	178	4,459	5,794
Decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Murray Canal, 1903.....	73	8	1,004	296	350	92	1,084	3,041	7,240
" 1904.....	21	32	607	38	98	48	437	452	1,992
Increase.....	52	24	337	168	292	44	1,247	2,589	5,248
Decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sault Ste. Marie Canal, 1903.....	312,210	1,260	28,192	35,289	2,725	1,248	17,609	51,044	1,416,595
" 1904.....	213,845	893,523	35,163	31,136	1,375	.....	15,469	31,370	1,222,181
Increase.....	98,365	73,195	6,971	4,153	1,350	1,248	2,140	19,674	194,414
Decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total increase.....	90,707	217,652	32,026	3,664	19,451	1,464	8,774	109,436	734,984
Total decrease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for year 1903..... 3,281,791									
" 1904..... 2,546,807									

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

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## CANAL

## COMPARATIVE STATEMENT for Years

	January.	February.	March.	April.	May.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Welland Canal, 1903 .....			0 42	8,012 23	20,769 75
" 1904 .....		10 00			9,077 95
Increase .....		10 00			
Decrease .....			0 42	8,012 23	11,691 80
St. Lawrence Canals, 1903 .....	8 50		25 00	526 14	16,907 34
" " 1904 .....	43 28	58 33		827 16	15,053 14
Increase .....	34 78	58 33		301 02	
Decrease .....			25 00		1,854 20
Chambly Canal, 1903 .....				30 27	2,984 25
" 1904 .....				8 77	4,120 27
Increase .....					1,136 02
Decrease .....				21 50	
Ottawa Canals, 1903 .....	75 00			17 60	5,002 99
" 1904 .....				730 09	3,050 09
Increase .....				712 49	
Decrease .....	75 00				1,952 90
Rideau Canal, 1903 .....					566 96
" 1904 .....					599 43
Increase .....					32 47
Decrease .....					
St. Peter's Canal, 1903 .....	28 34			129 17	303 74
" 1904 .....					312 44
Increase .....					8 70
Decrease .....	28 34			129 17	
Trent Valley Canals, 1903 .....				20 71	130 22
" 1904 .....				31 00	59 06
Increase .....				10 29	
Decrease .....					71 16
Murray Canal, 1903 .....				22 48	107 17
" 1904 .....				6 02	93 20
Increase .....					
Decrease .....				16 46	13 97
Sault Ste. Marie Canal, 1903 .....					
" 1904 .....					
Increase .....					
Decrease .....					
Total Increase .....		68 33	25 42		
Total Decrease .....	68 56			7,155 56	14,406 84

## SESSIONAL PAPER No. 20

## REVENUE.

ended December 31, 1903 and 1904.

June.	July.	August.	September.	October.	November.	December.	Total.
\$ cts. 21,919 34 19,229 71	\$ cts. 17,827 43 19,988 30	\$ cts. 17,115 53 14,436 17	\$ cts. 15,702 06 18,947 26	\$ cts. 22,063 51 16,557 73	\$ cts. 12,704 40 15,709 77	\$ cts. 1,082 64 3,919 56	\$ cts. 137,197 31 117,876 45
2,689 63	2,160 87	2,679 36	3,245 20	5,505 78	3,005 37	2,836 92	19,320 86
19,988 36 18,288 16	21,975 31 18,761 67	22,566 71 18,364 01	19,238 41 15,415 15	17,540 49 15,413 37	11,186 79 11,529 01	484 51 66 29	130,447 56 113,819 57
1,700 20	3,213 64	4,202 70	3,823 26	2,127 12	342 22	418 22	16,627 99
3,916 11 2,854 60	5,657 21 4,643 75	4,470 31 5,006 71	3,013 24 4,480 24	3,168 44 4,248 17	1,532 41 2,098 32		24,772 24 27,460 87
1,061 51	1,013 46	536 40	1,467 04	1,079 73	565 91		2,688 63
5,626 00 3,640 94	4,802 80 3,216 80	4,572 66 3,312 87	3,813 03 2,156 78	3,384 14 3,792 91	2,235 99 2,352 24		29,530 21 22,252 72
1,985 06	1,586 00	1,259 79	1,656 25	408 77	116 25		7,277 49
737 13 610 72	1,007 89 724 56	748 73 1,201 82	785 09 701 36	753 62 761 97	566 33 426 78	15 00	5,180 15 5,026 64
126 41	283 33	453 09	83 73	8 95	139 55	15 00	153 51
391 42 339 26	502 73 341 88	582 99 423 10	364 09 421 70	392 02 467 84	330 04 304 61	276 80 154 92	3,301 34 2,765 75
52 16	160 85	159 89	57 61	75 82	25 43	121 88	535 59
227 76 203 90	294 38 360 01	316 53 346 26	253 77 201 71	233 90 139 21	85 80 22 00	14 00	1,533 07 1,377 15
23 86	65 63	29 73	52 06	64 69	63 80	14 00	155 92
120 90 115 49	219 09 214 98	254 81 257 11	147 43 165 35	185 85 163 74	77 25 81 93		1,134 98 1,097 82
5 41	4 11	2 30	17 92	22 11	4 68		37 16
7,644 24	4,034 89	7,280 22	827 53	6,146 43	3,805 65	2,295 82	41,419 89

Total reserve for 1903. .... \$333,066 86  
 " 1904. .... 291,676 97

RICHARD DEVLIN, *Compiler of Canal Statistics.*

5-6 EDWARD VII., A. 1906

## APPENDIX A.

No. 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 1904.

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.
Ashes, pot and pearl.								19			19				\$ 3 80
Apples.								1			1				0 20
Agricultural products, not enumerated, vegetables.	1														
Agricultural products, not enumerated, animals.	2														
Agricultural implements.	4														0 15
Barley.								14	2		414	0 30			0 30
Bones.	264							7,779	4	27,171	27,171	0 60	82 00		82 60
Bricks.		2,771							264		264	29 25	2,717 10		2,717 10
Brimstone.															
Buckwheat.															
Cement and water lime.	4														
Clay, lime and sand.	421								35		39	0 60	7 00		7 60
Coal.	2,919							32,813	421	33,913	103,225	23 15	6,782 60		23 15
Corn.							3,711	52,556	69,412	116,444	116,444	13,882 40	11,644 40		20,605 00
Cattle.		2,924													11,644 40
Cattle (raw).															
Crockery and earthenware.	165								107		107	16 05			16 05
Dye wood and dye stuffs.								2	2						0 40
Fish.									52		52	7 80			7 80
Flax and hemfl.															
Flour.	3	2,612						23,878	3	35,046	35,049	0 45	6,800 44		6,800 89
Furniture.	4							18	4	18	22	0 60	3 60		4 20
Gypsum.	2								2		2	0 30			0 30
Glass (all kinds).															
Hay (pressed).	70	3		70					140	4	144	21 00	0 80		21 80
Hags.															
Horses.															
Hides and skins, horns and hoofs.															
		11								11	11			2 20	2 20



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Ice.....	40	5,134	40	5,292	80	10,336	80	11,381	3 25	2,067 20	3 25
Iron, railway.....	1,045	111	111	1,045	602	95	602	95	115 50	2,212 70	2,212 70
" pig.....	491	309	111	491	5,333	3,018	5,333	3,018	90 30	7 13	97 43
" all other.....	5,632	9	130	5,632	36,813	36,813	36,813	36,813	889 88	629 17	1,569 05
Iron ore.....									1,841 10	1,841 10	1,841 10
Kryolite chemical ore and other ore except iron.....											
Lard and lard oil.....	30								4 50		4 50
Meal, all kinds.....	27	77		13,076	30	13,153	27	13,180	3 80	2,630 60	2,634 40
Meats, other than pork.....	1				1		1	1	0 15		0 15
Marble.....											
Manilla.....	15				15		15	15	2 25		2 25
Molasses.....	1				1		1	1	0 15		0 15
Nails.....	1,963		40		2,009	18	2,009	18	301 35	3 60	304 45
Oats.....		85									
Oil (in barrels).....	167	9,731	29	16,497	427	16,382	427	16,382	1,604 50	1,604 50	1,604 50
Oil cake.....					231	4,871	231	4,871	2,929 60	2,929 60	2,984 65
Pease.....						7,818		7,818	1,569 60	1,569 60	1,569 60
Potatoes.....							3	3	30	30	30
Pork.....	5						5	379	384	75 80	76 55
Paint.....	55		18	17	10	73	73	27	10 95	5 40	16 35
Pitch and tar.....	12				180	180	12	180	1 80	36 00	37 80
Rags.....											
Rye.....											
Flax seed.....		130			22			212		21 20	21 20
Rosin.....											
Salt.....	489				604			1,093		218 60	218 60
Stone intended for cutting.....											
" wrought.....											
" not suitable for cutting, unwrought.....											
Seeds, all kinds.....	6		34		15		55		8 25		8 25
Sheep.....											
Soda ash.....											
Steel.....	110				994	125	1,104	125	157 20	11 50	168 70
Sugar.....	55				889	53	944	53	141 60	10 60	152 20
Spirits, beer, &c.....	540	45	8		8	1,179	548	1,224	82 20	244 80	327 00
Tobacco (raw).....											
Tallow.....	2				87		87	2	13 05	0 40	13 45
Tin.....	1		188			115	189	115	28 35	23 00	51 35
Turpentine.....											
Wheat.....	623	146,585		14,293		3,601	623	164,515	11 69	16,462 75	16,474 44
White lead.....	13						13		1 95		1 95
Whiting.....	19						19		2 85		2 85
Wool.....				134				134		26 80	26 80
All other goods and merchandise not enumerated.....											
Bark.....	7,291	101	73	1,554	20,569	795	27,933	2,450	4,174 91	475 84	4,650 75
Barrels, empty.....											
Boat knees.....											

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No. (A) 1.—GENERAL STATEMENT showing the Quantity of each Article transported on the Welland Canal, &amp;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.				
Flores.														
Firewood, in vessels														
" rafts.		2,670				717			390	3,387	3,777	26 00	184 80	210 80
Hoops														
" rafts.														
Hop poles						154				154	154		18 41	18 41
Lumber, sawn, in vessels.		3,501				30,194				97,409	97,409		17,459 61	17,459 61
" rafts														
Masts, spars, and telegraph poles, in vessels.														
" rafts.														
Railway ties, in vessels.	106					652			481	652	1,133	38 50	104 24	142 74
" rafts.														
Saw logs.	313	612							596	612	1,208	15 91	33 31	49 22
Staves and headings, barrel										95	95		3 04	3 04
" pipe.														
" W. India.														
Staves, salt barrel.										299	299		47 68	47 68
Shingles														
Split posts and fence rails, in vessels.														
" rafts.														
Timber, square, in vessels		19,115						18,036	20	37,151	37,171	3 00	5,572 52	5,575 52
" rafts		34								34	34		0 95	0 95
Traverses														
Woodenware and wood partly manufactured						18			18		18	7 20		7 20
Total freight paying tolls	22,426	197,135	1,785	56,785	85,774	165,337	3,711	206,906	113,696	626,163	739,839	20,213 99	82,405 59	102,619 58
Articles having paid full tolls on the St. Lawrence Canal, free:														
Bricks	115								115		115			
Brimsone	12								12		12			
Cement and water lime	36								39		39			
Fish									4		4			
Iron, railway.	283								283		283			

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" all other.	2,361	1,421	3,782	3,782	3,782
Steel	46	12	38	38	38
Salt	99		99	99	99
Stone, for cutting		41		41	41
Meals, all kinds.		25		25	25
Seeds, all kinds	115	49		164	164
Meats, other than pork	25			25	25
Crockery and earthenware	291			291	291
Dry woods, &c.		2		2	2
Furniture	1			1	1
Glass, all kinds	633	1		1,071	1,071
Manilla	34	1,038		34	34
Nails	1,851	138		2,009	2,009
Oils, in barrel	42	6		1,418	1,418
Paint	192	10		202	202
Pitch and tar	199	199		199	199
Soda ash	13	374		387	387
Sugar	52			52	52
Tin	239	123		362	362
White lead	22	60		82	82
Whiting	20	13		33	33
Whiskey	14	291		432	432
Merchandise, not enumerated	5,611	589		6,200	6,200
Firewood, in vessels.		40,425		40,425	40,425
Coal	10,200			10,200	10,200
Iron ore		2,861		2,861	2,861
Grand total freight.	45,056	197,135	56,785	185,208	626,163
					811,371
Total tolls on vessels					7,428 17
" passengers					57 40
" free goods					87,681 95
Total tolls					27,699 56
Fines					89,862 45
"Panages					117,562 01
Harbour dues					10 00
Other receipts					304 44
Total revenue, exclusive of hydraulic rents.					27,699 56
					89,862 45
					117,876 45

\* Amount of damages not included in above \$2,487.56.

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Card Statistics.*













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Hides and skins, horns and hoofs.....	40	40	80	80	3 25	3 25	3 25
Ice.....	150	150	150	150	11 25	11 25	11 25
Iron, railway.....	1	1	1	1	7 13	7 13	7 13
" pig.....	1	1	1	1	27 77	27 77	27 85
" all other.....							
Iron ore.....							
Kryofite, chemical ore and other ore, except iron.....							
Lard and lard oil.....	10	10	10	10	1 25	1 25	1 25
Meat, all kinds.....							
Meats, other than pork.....							
Marble.....							
Manilla.....							
Melasses.....							
Nails.....		85	85	85	14 80	14 80	11 80
Oats.....							
Oil (in barrels).....							
Oil cake.....							
Pease.....							
Potatoes.....							
Pork.....							
Paint.....							
Pitch and tar.....							
Rags.....							
Rye.....							
Flax seed.....							
Rosin.....							
Salt.....							
Stone intended for cutting.....							
" wrought.....							
" not suitable for cutting, unwrought.....							
Seeds, all kinds.....							
Sheep.....							
Soda ash.....							
Steel.....	64	64	64	64	1 20	1 20	9 30
Sugar.....							
Spirits, beer, etc.....							
Tobacco (raw).....							
Tallow.....							
Tin.....							
Turpentine.....							
Wheat.....	623	623	623	623	11 69	11 69	37 94
White lead.....							
Whiting.....							
Wool.....							
All other goods and merchandise not enumerated.....	137	137	137	137	5 51	5 51	7 55
Bark.....							

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

Articles.	From Canadian to Canadian Ports.		From Canadian 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.		cts.	cts.		cts.	cts.
Barrels, empty.....														
Boat knees.....														
Floates.....														
Fire wood, in vessels.....		2,670							2,670			137 00	137 00	
" " rafts.....														
Hoop poles.....														
Lumber, sawn, in vessels.....														
" " rafts.....									687			55 79	55 79	
Masts, spars, and telegraph poles, in vessels.....														
Masts, spars and telegraph poles, in rafts.....														
Railway ties, in vessels.....	106		375				481		481	38 50			38 50	
" " rafts.....	313	612	283				596	612	1,208	15 91	33 31	49 22	49 22	
Saw logs.....														
Staves and headings, barrel " " W. India " " " " " "														
Staves, salt barrel.....														
Slung logs.....														
Split posts and fence rails, in vessels.....														
Split posts and fence rails, in rafts.....														
Timber, square, in vessels.....														
" " rafts.....		84						34	34			0 95	0 95	
Traverses.....														
Woodware and wood partly manufactured.....														
Total, freight paying tolls.....	2,108	4,825	698			1,260	2,806	6,085	8,891	137 89	342 98	480 87	480 87	

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Total way tolls on vessels .....	802 97	369 00	1,171 97
" " passengers .....	.....	.....	.....
Total way tolls .....	940 86	711 98	1,652 84

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*



## SESSIONAL PAPER No. 20

Iron, railway.....	277	680	.....	277	680	957	37 68	41 29	78 97
" pig.....	1,262	844	.....	2,114	844	2,958	186 55	101 25	287 80
" all other.....	22,057	2,232	.....	24,238	2,252	26,490	1,891 30	147 64	2,038 94
Iron ore.....	1,000	.....	.....	2,861	.....	2,861	113 05	.....	113 05
kryolite, chemical ore and other ore, except iron.....	.....	216	.....	.....	504	504	.....	43 20	43 20
laid and lard oil.....	89	288	.....	89	288	377	10 96	40 27	51 23
Meal, all kinds.....	153	203	.....	163	203	366	21 58	12 34	21 58
Meats, other than pork.....	42	10	.....	42	10	52	5 44	0 73	6 17
Marble.....	4	.....	.....	4	.....	4	0 40	.....	0 40
Manilla.....	78	.....	.....	78	.....	78	15 56	.....	15 56
Molasses.....	658	266	.....	658	266	924	101 25	22 30	123 55
Nails.....	3,370	338	270	3,640	338	3,978	696 10	45 30	741 40
Oats.....	16,516	16,516	.....	19,516	19,516	20,214	17 79	1,170 82	1,188 61
Oil, in barrels.....	1,526	923	325	3,221	923	4,144	624 22	139 70	783 92
Oil cake.....	14	1,472	.....	14	1,472	1,486	1 30	73 60	74 90
Pease.....	15	1,913	.....	15	1,913	1,928	1 21	172 87	174 08
Potatoes.....	103	94	.....	103	94	197	4 12	7 86	11 98
Pork.....	289	306	.....	289	306	595	26 31	21 00	47 40
Paint.....	1,203	454	183	1,478	454	1,932	292 06	81 35	373 41
Pitch and tar.....	287	44	16	298	44	572	68 32	7 00	75 32
Rags.....	383	86	10	393	86	479	68 04	16 60	84 64
Rye.....	3	.....	.....	.....	3	3	.....	0 30	0 30
Flax seed.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rosin.....	12	10	.....	1,470	10	1,480	74 75	0 50	75 25
Salt.....	3,323	440	20	3,353	440	3,793	370 45	31 16	401 61
Stove intended for cutting.....	3	.....	.....	3	.....	303	0 23	11 26	11 49
" wrought.....	604	.....	.....	604	.....	626	33 23	4 40	37 63
" not suitable for cutting, unwrought.....	11,700	.....	.....	11,700	11,700	11,700	.....	235 20	235 20
Seeds, all kinds.....	5,046	111	114	5,160	111	5,271	243 07	8 74	251 81
Sheep.....	5	51	.....	5	56	0 32	3 78	3 78	4 10
Soda ash.....	968	6	828	1,796	6	1,802	355 65	0 30	355 95
Steel.....	874	95	15	889	95	984	118 48	13 47	131 95
Sugar.....	3,071	258	.....	3,071	258	3,329	567 00	25 50	592 50
Spirits, beer, &c.....	1,201	288	374	1,575	288	1,863	274 05	54 00	328 05
Tobacco, raw.....	13	13	.....	13	26	1 43	0 52	0 52	1 95
Tallow.....	23	23	.....	23	23	23	1 15	1 15	1 15
Tin.....	600	17	323	923	17	940	169 11	1 60	170 71
Turpentine.....	10	15	.....	10	15	25	1 64	2 70	4 34
Wheat.....	141,622	1	.....	141,622	1	141,623	0 08	3,839 27	3,839 35
White lead.....	400	41	75	475	41	516	90 55	7 90	98 45
Whiting.....	681	14	115	796	14	810	158 80	2 05	160 85
Wool.....	.....	5	.....	.....	5	5	.....	0 28	0 28
All other goods and mer- chandise, not enumerated.....	23,359	13,000	1,763	26,480	14,355	40,835	4,163 42	2,086 60	6,250 02
Barrel.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrels, empty.....	540	21	.....	540	21	561	39 63	1 29	40 92
Boat knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Floats.....	58	.....	.....	58	.....	58	.....	.....	3 99

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No. (A) 6.—GENERAL STATEMENT showing the Quality of each Article transported on the St. Lawrence Canals—*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.	\$.	cts.				
Fire wood, in vessels.....	28,000	1,611	100,338	.....	.....	.....	.....	.....	137,338	1,611	138,949	8,797	86	8,762 17
" " rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hoops.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hoop poles.....	68	.....	.....	.....	.....	.....	.....	.....	68	.....	68	2	00	2 00
Lumber, sawn, in vessels.....	34,883	5,496	961	.....	.....	.....	.....	.....	35,844	5,496	41,340	1,691	81	1,849 23
" " rafts.....	.....	320	.....	.....	.....	.....	.....	.....	.....	320	320	157	42	1,819 23
Mats, spars, and telegraph poles, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	27	14 27
Mats, spars, and telegraph poles, in rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railway ties, in vessels.....	.....	19,918	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saw logs.....	107	.....	.....	.....	.....	.....	.....	.....	107	.....	107	.....	.....	.....
Staves and headings, barrel pipe.....	612	.....	.....	.....	.....	.....	.....	.....	612	.....	612	14	00	14 00
" " West India.....	480	.....	.....	.....	.....	.....	.....	.....	554	.....	554	46	92	46 92
" " pipe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Staves, salt barrel.....	428	.....	.....	.....	.....	.....	.....	.....	428	.....	428	.....	.....	.....
Slings.....	35	.....	.....	.....	.....	.....	.....	.....	35	.....	42	1	14	28 08
Split posts and fence rails, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Split posts and fence rails, in rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Timber, square, in vessels.....	50	44	.....	.....	.....	.....	.....	.....	50	44	94	4	00	2 28
" " rafts.....	3,090	3,471	.....	.....	.....	.....	.....	.....	3,090	3,471	6,561	77	25	14 00
Traverses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodenware and wood partly manufactured.....	47	443	.....	.....	.....	.....	.....	.....	47	443	490	13	10	46 92
Total freight, heretofore paying tolls, now free.....	181,263	432,970	120,210	.....	1,578	2,162	312,272	717,441	1,029,713	24,644	91	65,045	18	89,690 09
Articles having passed the full length of the Welland Canal, free:—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Articles having passed the full length of the Welland Canal, free:—

Agricultural implements.....					17	17
Annual products.....					1	1
Apples.....					1	1
Ashes.....					16	16
Barley.....	421			9,276	9,087	9,087
Cement and water lime.....	35				35	35
Corn.....	16,450				55,021	55,021
Flax and hemp.....	159				159	159
Flax seed.....	31				53	53
Flour.....	1,169				24,662	24,662
Furniture.....					6	6
Glass.....	3				3	3
Hides and skins.....	10				10	10
Iron railway.....	2,968				8,170	8,170
Iron, all other.....	310				1,651	1,651
Mead.....	57				57	57
Merchandise.....	15				713	713
Oil cake.....					7,846	7,846
Oils.....	7,296				12,848	12,848
Salt.....	100				615	615
Steel.....					16	16
Tin.....					87	87
Wheat.....	132,928				133,528	133,528
Whisky, &c.....					706	706
Square timber (in vessels).....	1,544				1,544	1,544
Staves.....					394	394
Iron ore.....	5,769				17,362	17,362
Coal, free per O. C.....	112,096				3,651	3,651
Grand total, freight.....	293,359	602,675	121,910		995,770	1,427,316
Total tolls on vessels.....						
" " passing str.....					9,246	9,246
" " free goods.....					1,814	1,814
Total tolls.....					7,678	7,678
Fines.....					3,296	3,296
Draughts.....					55	55
Wharfage and storage.....					776	776
Other receipts.....					1,142	1,142
Total revenue, exclusive of hydraulic routes.....					113,819	113,819

\* Amount of damages not included in above, \$1,199.07.

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, JULY 8, 1905

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## APPENDIX A—Continued.

No. (A) 5.—GENERAL STATEMENT showing the Quantity of each Through Article transported on the St. Lawrence Canals, and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1904.

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.
Adzes, put and pearl	44	3,245						113	44	3,358	44		8 80		8 80
Apples.											3,358		503 70		503 70
Argricultural products, not enumerated, vegetables.	44	1,605					10		44	1,615	1,659		6 60	212 25	248 85
Argricultural products, not enumerated, animal.	5	2,891							5	2,891	2,891		0 75	420 15	420 00
Argricultural implements.		5								5				1 00	1 00
Barley.		6,751								6,751	6,751			675 10	675 10
Bricks.	892	5	131						1,023	5	1,028		153 45	0 75	154 20
Bones.	4								4		4		0 60		0 60
Brimstone.	12								12		12		1 80		1 80
Buckwheat.		630								630	630		63 09		63 00
Cement and water lime.	548	91	9						557	91	648		13 65		97 20
Clay, lime and sand.	240		25						265		269		0 15		30 30
Coal.		61,727								320,973	320,973		48,145 95		48,145 95
Corn.	10		10						10		20		1 50		1 50
Cattle.		135								135	135		20 25		20 25
Cotton (raw).															
Crockery and earthenware.	345	161							348	161	479		63 60	32 20	95 80
Dye wood and dyo stuffs.	6		3						9		9		1 80		1 80
Fish.	8		7						15		15		2 25		2 25
Flax and hemp.			41						49		49		7 35		7 35
Flour.	7	1,827							7	1,827	1,834		1 05	274 05	275 10
Furniture.	430	927							430	927	1,357		86 00	185 40	271 40
Gypsum.															
Glass, all kinds.	2								2		2		0 30		0 30
Hay, pressed.	1,361	101	1,341						2,705	101	2,806		511 00	20 20	501 20
Hogs.		4							4		4		0 15		0 15
Horses.		61								64	64			9 60	9 60



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Hides and skins, horns and hoofs.	2				2	0 30	0 30	0 30
Iron, railway...	225	138	12	225	363	33 75	20 70	54 45
" pig	704	675	2,031	776	1,451	116 10	101 25	217 65
" all other	5,976	525	1,861	8,007	2,861	1,201 05	78 75	1,279 80
Iron ore	1,000					143 05		143 05
Kryolite chemical ore and other ore, except iron.		261			216		10 80	10 80
Lard and lard oil.	42	255		42	255	6 30	38 25	44 55
Mead, all kinds	18	31	106	124	31	18 60	4 65	23 25
Meats, other than pork	25	2		25	2	3 75	0 30	4 05
Marble								
Manilla	74	69		74	74	14 80		14 80
Molasses	11	183		11	60	2 20	12 00	14 20
Nails	2,832	8,855	270	3,102	183	620 40	36 60	657 00
Oats		8,855			8,825		882 50	882 50
Oil, in barrels	1,163	742	325	2,858	742	571 60	148 40	720 00
Oil cake								
Potatoes		1,636			1,636		165 65	165 65
Pork...	4	51		4	11		1 65	1 65
Pitch	1,222	389	183	1,405	51	0 30	7 65	8 04
Pitch and tar.	195	32	16	211	389	281 00	77 80	358 80
Rags...	120	81	10	130	32	42 20	6 40	48 60
Rye		3			211	26 00	16 20	42 20
Flax seed					3		0 30	0 30
Rosin	2			2		0 40		0 40
Salt	882	120	20	902	1,031	134 83	19 35	154 18
Stones, intended for cutting, wrought...	16	22		16	22	3 20	4 40	7 60
" " not suitable for cutting, unwrought...								
Seeds, all kinds.	271	23	114	385	23	57 75	3 45	61 20
Sheep	928		828					
Soda ash...	654	88	15	1,756	1,756	351 20		351 20
Steel...	2,250	82		639	88	100 35	13 20	113 55
Sugar	450	263	374	2,259	82	451 00	16 40	468 00
Spirits, beer, &c.				829	263	165 78	52 60	218 38
Tobacco, raw.	3			3		0 45		0 45
Tallow								
Tin...	338	13	323	661	661	132 20		132 20
Turpentine	1			1	13	0 20	2 60	2 80
Wheat		3,975			3,975		397 50	397 50
White lead	252	39	75	327	39	65 40	7 80	73 20
Whiting	650	9	115	765	9	133 00	1 80	154 80
Wood								
All other goods and merchandise not enumerated.	14,111	8,079	1,760	504	15,871	3,171 15	1,715 10	4,886 25
Bark...								

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No. (A) 5.—GENERAL STATEMENT showing the Quantity of each through Article transported on the St. Lawrence Canals, &amp;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.	cts.	
Barrels, empty.....	60	1							60	1	61	11 42	0 12		11 54	
Boat knees.....																
Floats.....	19,494	109,293							128,787		128,787	8,585 80			8,585 80	
Firewood, in vessels.....																
" in rafts.....																
Hoops.....																
Hop poles.....																
Lumber, sawn, in vessels.....	426	6,839							7,265		7,265	789 15			789 15	
" in rafts.....																
Masts, spars and telegraph poles, in vessels.....																
Masts, spars and telegraph poles, in rafts.....																
Railway ties, in vessels.....																
" in rafts.....																
Saw logs.....		480														
Staves and headings, barrel pipes.....									74	554	554	46 02		46 02	46 92	
" W. India.....																
Staves, salt barrel.....		428								428	428	28 08		28 08	28 08	
Shingles.....																
Split posts and fence rails, in vessels.....																
Split posts and fence rails, in rafts.....	30	4							30	4	34	1 50	0 17		1 67	
Timber, square, in vessels.....																
" in rafts.....																
Traverses.....																
Woodenware and wood partly manufactured.....	22	144							22	144	166	8 80	47 20		56 00	
Total freight heretofore paying tolls, now free.....	58,423	107,724	126,136		1,370		259,947		185,929	307,671	5,83,600	18,205 62	54,575 59		72,781 21	

## SESSIONAL PAPER No. 20

Articles having passed the full length of the Welland Canal, free:—

[illegible]

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

No. (A) 6. GENERAL STATEMENT showing the Quantity of each Way Article transported on the St. Lawrence Canals, and the Amount of Tolls heretofore collected now free during the Season of Navigation in 1904.

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.		
Ashes, pot and pearl.....	34	660							34	660	694	3 35	26 09		29 44
Apples.....	149	158							149	158	307	12 66	13 25		25 91
Agricultural products not enumerated, vegetables.....	1,773	397							1,773	397	2,170	79 82	29 45		109 27
Agricultural products not enumerated, animal.....	114	40							114	40	154	14 53	2 00		16 53
Agricultural implements.....	6	5,770							6	5,770	5,776	0 57	144 29		144 86
Barley.....	3,538	80			1,441				4,999	80	5,079	210 99	3 01		214 00
Bricks.....	14								14		14		1 09		1 09
Bones.....	1,500								1,500		1,500	147 75			147 75
Brimstone.....															
Buckwheat.....	506	97			179				685	97	782	44 84	3 77		48 61
Cement and water lime.....	21,533	30,717			3,728				25,261	30,717	55,978	1,030 18	1,221 90		2,252 08
Clay, lime and sand.....															
Coal.....	926	6,438		1,340	16,354				926	24,132	24,132	347 56	1,642 70		1,990 26
Corn.....	84	66,411			5,691				84	72,102	73,028	3 49	26 71		30 20
Cattle.....															
Cotton (raw).....	97	44							97	44	141	13 83	2 95		16 78
Crockery and earthenware.....	14	1			46				60	61	111	3 70	0 10		3 80
Dye wood and dye stuffs.....	80	17							80	17	97	6 56	0 68		7 24
Fish.....															
Flax and hemp.....	1,573	4,643							1,573	4,643	6,218	108 97	222 63		331 60
Floor.....	244	493							244	493	737	32 70	27 10		59 80
Furniture.....															
Gypsum.....	298	38							298	38	336	44 91	2 00		46 91
Glass (all kinds).....	3,809	4,717							3,809	4,717	8,526	145 46	231 83		377 29
Hay (pressed).....	57	13							57	13	70	3 30	0 69		3 99
Hogs.....	379	770		2					381	770	1,151	20 01	38 94		58 95
Horses.....															



No. (A) 6.—GENERAL STATEMENT showing the Quantity of each Way Article transported on the St. Lawrence Canals—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.	11 1/2	\$ cts.	\$ cts.	\$ cts.
Barrels, empty.....	480	20							480	20	500	28 21	1 17	29 38
Boat knees.....														
Floats.....	58								58		58	3 99		3 99
Firewood, in vessels.....	8,506	1,611	45						8,551	1,611	10,162	172 06	54 85	226 91
" rafts.....														
Hoops.....														
Hop poles.....	68								68		68	2 00		2 00
Lumber, sawn in vessels.....	28,579	5,496							28,579	5,496	34,075	902 66	157 42	1,060 08
" rafts.....		320								320	320		14 27	14 27
Masts, spars, and telegraph poles in vessels.....														
Masts, spars, and telegraph poles in rafts.....		19,918								19,918	19,918		497 95	497 95
Railway ties, in vessels.....														
" rafts.....	107								107		107		2 28	2 28
Saw-logs.....	612								612		612		14 00	14 00
Staves and headings, barrel														
" pipe.....														
" West														
India.....														
Staves, salt barrel.....	7	35							7	35	42	1 14	4 66	5 80
Shingles.....														
Split posts and fence rails, in vessels.....														
Split posts and fence rails, rafts in.....	20	40							20	40	60	2 50	0 50	3 00
Timber, square, in vessels.....	3,090	3,471							3,090	3,471	6,561	77 25	87 81	165 06
" rafts.....														
Traverses.....														
Woodenware and wood partly manufactured.....	25	299							25	299	324	4 30	47 90	52 20







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Iron, railway.....	5	5	5	0 49
" ing.....	18	18	18	1 27
" all other.....				
Iron ore.....				
Kryolite, chemical ore and other ore, except iron.....				
Lard and lard oil.....	13	13	13	1 29
Meal, all kinds.....				
Meats, other than pork.....				
Marble.....				
Manilla.....				
Molasses.....				
Nails.....				
Oats.....	971	971	971	89 44
Oil (in barrels).....				
Oil cake.....				
Pease.....				
Potatoes.....	304	304	304	18 23
Pork.....	35	35	35	2 09
Print.....				
Print and tar.....	78	78	78	14 82
Rags.....	154	154	154	29 13
Rye.....	5	5	5	0 49
Flax seed.....				
Rosin.....				
Salt.....				
Stone intended for cutting.....				
" wrought.....				
" not suitable for cutting, unwrought.....				
Seeds, all kinds.....	432	432	432	37 09
Sheep.....				
Soda ash.....				
Steel.....	3	3	3	0 37
Sugar.....	4	4	4	0 49
Spirits, beer, &c.....				
Tobacco (raw).....	7	7	7	0 70
Tallow.....	2	2	2	0 38
Tin.....				
Turpentine.....				
Wheat.....	1	1	1	0 19
White lead.....				
Whiting.....				
Wool.....				
All other goods and merchandise not enumerated.....	3	3	3	298 13
Bark.....	1,811	1,811	1,811	15 48
Barrels, empty.....	118	118	118	335 39
Boat knees.....				
Floats.....	37,850	37,850	37,850	381 00
Firewood, in vessels.....	44	44	44	0 60
" rafts.....	9,432	9,432	9,432	0 17
Hoops.....	60	60	60	
	2	2	2	

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No. (A) 7.—GENERAL STATEMENT showing the Quantity of each Article transported on the Ottawa Canals, and the Amount of Revenue Collected, &c.—*Continued.*

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Hop poles.....	10	211,583					10	237,870	237,870	16,955 92
Lumber, sawn, in vessels.....		1		26,287					1	0 25
" " rafts.....										
Masts, spars and telegraph poles, in vessels.....										
" " rafts.....		200						200	200	2 01
Railway ties, in vessels.....										
" " rafts.....		25						25	25	4 00
Saw-logs.....										
Staves and headings, barrel.....										
" " pipe.....										
" " West India.....										
Staves, salt barrel.....										
Shingles.....										
Split posts and fence rails, in vessels.....		2						2	2	0 33
" " rafts.....										
Timber, square, in vessels.....										
" " rafts.....		5,275						5,275	5,275	58 56
Traverses.....										
Woodenware and wood partly manufactured.....										
Total freight heretofore paying tolls now free	292	283,639		26,287			292	312,986	313,278	15,674 46
Free, per Order in Council—										
Floats.....										
Railway ties.....		19,340						19,340	19,340	
Timber, square.....		25						25	25	
Coal.....		3,080						3,080	3,080	
" " rafts.....		270						270	270	
Freight, grand total.....	562	309,144		26,287			562	335,431	335,993	

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Total tolls on vessels.....	2,324 20
"    passengers.....	245 97
"    free goods.....	\$298 41
Other receipts.....	
Total tolls.....	22,244 72
Total revenue, exclusive of hydraulic rents.....	8 00
	22,252 72

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

5-6 EDWARD VII., A. 1906

## APPENDIX A—Continued.

No. (A) 8.—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 1904.

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.		
Ashes, pot and pearl												\$ cts.
Apples.....		1,404								1,404	1,404	108 24
Agricultural products not enumerated, vegetables.												
" " annual												
Agricultural implements.....	53	8							53	8	61	2 35
Barley.....												
Bricks.....	331						1,117		331	1,117	1,448	144 34
Bones.....												
Brunstone.....												
Buckwheat.....		3									3	0 30
Cement and water lime.....	161					603			161	603	764	65 70
Clay, lime and sand.....	101					6,240			101	6,240	6,341	644 67
Coal.....	754	13				81,279			754	81,292	82,046	7,999 01
Corn.....	5	5		192					197	5	202	20 20
Cattle.....	7	159							7	159	166	5 73
Cotton (raw).....												
Crockery and earthenware.....		41								41	41	4 10
Dye wood and dye stuffs.....							37			37	37	3 70
Fish.....												
Flax and hemp.....												
Flour.....	1,237	2							1,237	2	1,239	41 58
Furniture.....												
Gypsum.....												
Glass (all kinds).....												
Hay (pressed).....	5			6,913						6,918	7,682	796 39
Hogs.....												
Horses.....	6	20							6	20	26	1 01
Hides and skins, horns and hoofs.....												
Ice.....												
Iron, railway.....	29						42		29	42	71	5 21
" pig.....							1,158			1,158	1,158	115 80
" all other.....	114	1					801		114	802	916	84 16

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	9,720	9,720	9,720	9,720	486 00
Iron ore.....	437	437	437	437	31 85
Kryolite chemical ore and other ore, except iron.					
Lard and lard oil.....					
Meal, all kinds.....			10	10	1 00
Meats, other than pork.....					
Marble.....					
Manilla.....					
Molasses.....	73	73	73	73	2 63
Nails.....	79	79	79	79	2 43
Oats.....	1,152	1,152	1,152	1,152	38 65
Oil (in barrels).....					
Oil cake.....	106	106	6	112	4 34
Peanut.....					
Potatoes.....	10	10	70	80	3 28
Pork.....	16	16	16	16	0 69
Paint.....					
Pitch and tar.....		397	397	397	39 70
Rags.....					
Rye.....					
Flax seed.....					
Rosin.....					
Salt.....	144	2,347	144	2,357	262 93
Stone intended for cutting.....				145	4 34
" wrought.....					
" not suitable for cutting, unwrought.....					
Seeds, all kinds.....	15	250	250	250	52 62
Sheep.....	2		15	15	0 52
Soda ash.....			2	107	3 77
Steel.....					
Sugar.....	169	1,793	1,793	1,793	179 30
Spirits, beer, &c.....	20	1	169	171	5 98
Tobacco (raw).....			20	21	0 71
Tallow.....					
Tin.....					
Turpentine.....					
Wheat.....	3				
White lead.....			3	3	0 10
Whiting.....					
Wool.....					
All other goods and merchandise not enumerated.....	1,488	2,927	3,853	6,575	525 26
Bark.....					
Barrels, empty.....	42		42	123	9 35
Beet knees.....					
Boats.....					
Floats.....					
Firewood, in vessels.....	12		262,582	262,854	8,779 21
" " rafts.....					
Hoops.....					
Hop poles.....					
Lumber, sawn, in vessels.....	464	610	45,931	46,547	2,766 11
" " rafts.....					

No. (A) 8.—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.		
Masts, spars, and telegraph poles, in vessels.												\$ cts.
" " rafts.		100								100	100	3 34
Railway ties, in vessels.									2,045		2,045	162 79
" " rafts.				2,045								
Saw-logs.												
Staves and headings, barrel												
" " pipe.												
" " West India												
Staves, silt barrel									33		33	4 54
Shingles.		33										
Split posts and fence rails, in vessels												
" " rafts.										2,407	2,407	74 55
Timber, square, in vessels.												
" " rafts.												
Traverses.												
Woodenware and wood partly manufactured.												
Total freight heretofore paying tolls, now free.	5,403	11,890	319,552						325,015	123,172	448,187	23,489 58
Total tolls on vessels.												3,913 91
" " passengers												48 38
Total tolls.												27,451 87
Fines.												2,000
Other receipts.												7 00
Total revenue exclusive of hydraulic rents.												27,460 87

RICHARD DEVLIN,  
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.



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No. (A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal, &amp;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.		
Kyrolite-chemical ore and other ore, except iron.		28										\$ cts.
Lard and lard oil.	55	2							35	28	28	75
Meal, all kinds.	6	24							6	24	37	1 75
Meats, other than pork.	1								1		1	03
Marble.											1	03
Manilla.	20	43							20	43	63	5 59
Molasses.	224	1							224	1	225	19 61
Nails.	178	29							178	29	207	20 26
Oats.	175	752							175	752	927	37 75
Oil in (barrels).	163	97							163	97	260	23 42
Oil cake.	10	14							10	14	24	70
Pease.												
Potatoes.	2	6							2	6	8	24
Pork.	122	3							122	3	125	3 03
Paint.	47	16							47	16	63	5 92
Pitch and tar.	59								59		59	5 22
Rags.	32	32							32	32	64	5 69
Rye.												
Flax seed.												
Rosin.												
Salt.	1,454	271							1,454	283	1,737	48 31
Stone intended for cutting.	3	2							3	2	5	07
" wrought.												18
" not suitable for cutting, unwrought.												89
Seeds, all kinds.	35	2							35	2	37	
Sleep.												
Soda ash.												
Steel.	69	1							69	1	70	1 70
Sugar.	149	178							149	178	327	34 02
Spirits, beer, &c.	326	45							326	45	371	32 68
Tobacco (raw).	2	57							2	57	59	1 39
Tallow.		8								8	8	19
Tin.	5	5							5	5	10	89
Turpentine.												
Wheat.	4	1,797							4	1,797	1,801	42 07
White lead.	99	5							99	5	104	9 56



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	8	1	1	1	1	8	1	9	80
Wining.....		1						1	03
Wool.....		765				1,415		765	208 63
All other goods and merchandise not enumerated.		2				5		2	05
Bark.....		42						42	2 83
Barrels, empty.....									
Boat knees.....		480				25		480	9 09
Boats.....		999				5,392		999	142 72
Fire wood, in vessels.....		54						54	1 20
" rafts.....									
Hoops.....									
Hop poles.....									
Lumber, sawn, in vessels.....		5,773				839		14,561	974 74
" rafts.....		8						88	6 47
Masts, spars, and telegraph poles, in vessels.....									
" rafts.....		30				30		30	1 50
Railway ties, in vessels.....		338				338		338	13 46
" rafts.....									
Saw logs.....									
Staves and headings, barrel.....		50						50	1 00
" " pipe.....									
" " West India.....									
Staves, salt barrel.....									
Shingles.....		80				5		285	86 89
Split posts and fence rails, in vessels.....									
" rafts.....									
Timber, square, in vessels.....									
" rafts.....									
Traverses.....		260				260		260	1 65
Woodenware and wood partly manufactured.....									
Total freight paying tolls.....	20,389	19,968				9,081		54,528	2,621 28
Coal, free, per Order in Council.....	592					592		592	
Grand total freight.....	20,981	19,968				9,081		55,120	
Total tolls on vessels.....									
" passengers.....									
Total tolls.....									
Total tolls on free coal.....									
Wharfage.....									4,804 98
Winterage.....									15 66
Other receipts.....									124 00
Total revenue, exclusive of hydraulic rents.....									
5,026 64									

RICHARD DEVLIN,  
Comptroller of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.



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" all other.	74	82	74	82	156	1 56
Iron ore	5		5		5	0 65
Kryolite chemical ore and other ore, except iron.						
Lard and lard oil						
Lead, all kinds.	490	15	490	15	565	5 65
Meats, other than pork.	114		114		114	1 14
Marble.	17		17		17	0 17
Manilla.	13		13		13	0 13
Molasses.	281	1	281	1	282	2 82
Nails.	42		42		42	0 42
Oats.	1,667	36	1,667	36	1,703	17 03
Oil (in barrels).	273	33	273	33	306	3 06
Oil cake.						
Pease.						
Potatoes.	4,700	41	4,700	41	4,741	47 41
Pork.	136	4	136	4	130	1 30
Paint.	9		9		9	0 09
Pitch and tar.	89	35	89	35	124	1 24
Rags.						
Rye.						
Flax seed.						
Rosin.						
Salt.	420		420		420	4 20
Stone intended for cutting.	14		14		14	0 14
" wrought.						
" not suitable for cutting, unwrought.	90	4,373	90	4,373	4,463	44 63
Seeds, all kinds.						
Sheep.	6		6		6	0 06
Soda ash.						
Steel.	5		5		5	0 45
Sugar.	145		145		145	1 45
Spirits, beer, &c.	43	4	43	4	47	0 47
Tobacco (raw).						
Tallow.	1		1		1	0 01
Tin.	30		30		30	0 30
Turpentine.	1		1		1	0 01
Wheat.						
White lead.						
Whiting.						
Wool.						
All other goods and merchandise not enumerated.	841	6	841	6	847	8 47
Dark.						
Barrels, empty.	18	20	18	20	38	0 38
Boat knees.						
Floats.						
Fire wood, in vessels.		159		159	159	1 59
" rafts.						
Hoops.						
Hop poles.		10		10	10	0 10
Lumber, sawn, in vessels.	6,557	362	6,557	362	6,919	69 19

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No. (A) 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peter's Canal, &amp;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.		
Lumber, sawn, in rafts.....	2	90							2	90	92	
Masts, spurs and telegraph poles, in vessels "                    "                    rafts.....												0 92
Railway ties, in vessels.....												
"                    "                    rafts.....	20	952							20	952	972	9 72
Saw logs.....												
Staves and headings, barrel "                    "                    pipe "                    "                    West India.....												
Staves, salt barrel.....												
Slungtees.....	228	23							228	23	251	2 51
Split posts and fence rails, in vessels "                    "                    rafts.....	1,397	300							1,397	300	1,697	16 97
Timber, square, in vessels.....	676	309							1,136	309	1,435	14 35
"                    "                    rafts.....					450							
Traverses.....												
Woodenware and wood partly manufactured.....												
Total freight heretofore paying tolls now free.	22,851	50,115					450		23,301	50,115	73,416	734 16
Total tolls on vessels.....												2,011 59
Other receipts.....												20 00
Total receipts.....												2,765 75

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

DEPARTMENT OF RAILWAYS AND CANALS,  
 OTTAWA, July 8, 1905.

## APPENDIX A—Continued.

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 1904.

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## SESSIONAL PAPER No. 20

[illegible]

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

5-6 EDWARD VII., A. 1906

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 1904.

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.		
Ashes, pot and pearl.....	38	376							38	376	414	7 90
Apples.....	281	204							281	204	485	9 34
Agricultural products, not enumerated, vegetables.	177	185							177	185	362	6 94
"    "    animal.....												
Agricultural implements.....												
Barley.....		607								607	607	11 40
Bricks.....	60	94							60	94	154	2 90
Bones.....												
Brinstone.....	1								1			
Buckwheat.....		48								48	1	0 02
Cement and water lime.....	82	141							82	141	223	0 90
Clay, lime and sand.....												4 23
Coal.....	25	7							25	7	32	31 73
Cattle.....		5								5	5	0 61
Cotton (raw).....	119	126					1,691		119	126	245	0 10
Crockery and earthenware.....												6 20
Dye wood and dye stuffs.....	1								1		1	0 03
Fish.....	2								2		2	0 04
Flax and hemp.....												
Flour.....	16	5							16	5	21	0 40
Furniture.....	166	136							166	136	302	8 29
Gypsum.....												
Glass (all kinds).....	169	65							169	65	234	5 90
Hay (pressed).....												
Hags.....												
Horses.....	2								2		2	0 04
Hides and skins, horns and hoofs.....												
Ice.....												
Iron, railway.....	176	161							176	161	337	6 40



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" pig	112	50	112	50	162	3 04
" all other.	390	171	390	171	561	10 82
Iron ore.						
Kryolite, chemical ore and other ore, except iron						
Lard and lard oil.	20	81	20	81	101	1 98
Meat, all kinds.	2	11	2	11	13	0 26
Meats other than pork.	5	2	5	2	7	0 14
Marble.						
Manilla.						
Molasses.	5	7	5	7	12	0 31
Nails.	296	130	296	130	426	10 78
Oats.	38	38	38	38	38	0 72
Oil (in barrels)	496	773	496	773	1,259	31 88
Oil cake.						
Peanse.						
Potatoes.	10		10		10	0 20
Pork.	3	47	3	47	50	0 98
Paint.	593	323	593	323	916	23 07
Pitch and tar.						
Rags.	11	29	11	29	40	1 01
Rye.	42	56	42	56	98	1 84
Flax seed.						
Resin.						
Salt.	375	67	375	67	442	8 39
Stone intended for cutting.	1		1		1	0 02
" wrought.	28	24	28	24	52	1 30
" not suitable for cutting, unwrought.	2,072	225	2,072	225	2,297	22 97
Seeds, all kinds.	54		54		54	1 03
Sheep.						
Soda ash.	70		70		70	1 76
Steel.	112	93	112	93	206	3 94
Sugar.	642	182	642	182	824	20 72
Spirits, beer, &c.	145	265	145	265	410	10 37
Tobacco (raw).						
Tallow.						
Tin.	13	162	13	162	175	4 38
Turpentine.		8		8	8	0 20
Wheat.	259		259		259	4 87
White lead.	38	57	38	57	95	2 42
Whiting.	50	20	50	20	79	1 99
Wool.	1	11	1	11	12	0 24
All other goods and merchandise not enumerated.	4,980	4,438	4,980	4,438	9,418	235 59
Bark.						
Barrels, empty.						
Boat knees.		20		20	20	0 38
Boat seats.						
Boats.						
Firewood in vessels.	1,038					
" " rafts.						
Hoops.						
Hor poles.						
		3,156			4,194	34 96

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No. (A) 12. — GENERAL STATEMENT showing the Quantity of each Article transported on the Murray 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.		
Lumber, sawn, in vessels.....	133								452		452	\$ cts. 5 08
" " rafts.....			319									
Masts, spars, and telegraph poles, in vessels.....			187						187		187	1 18
" " rafts.....												
Railway ties, in vessels.....	175	107							175	107	282	2 82
" " rafts.....												
Saw logs.....												
Staves and headings, barrel.....												
" " pipe.....												
" " West India.....												
Staves, salt barrel.....												
Shingles.....	13								13		13	0 95
Split posts and fence rails, in vessels.....												
" " rafts.....												
Timber, square, in vessels.....												
" " rafts.....												
Travellers.....												
Woodenware and wood partly manufactured.....												
Total freight heretofore paying tolls, now free..	13,278	9,807	3,662				1,692		16,940	11,499	28,439	555 96
Total tolls on vessels.....												276 99
" " passengers.....												264 87
Total revenue, exclusive of hydraulic rents.....												1,097 82

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 28, 1905.RICHARD DEVLIN,  
*Comptroller of Canal Statistics.*

## SESSIONAL PAPER No. 20

APPENDIX A.—*Continued.*

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste Marie Canal, during the Season of Navigation, 1904.

Articles.	From Canadian to Canadian 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.				
Ashes, pot and pearl												
Apples	3,159						5,388		5,388			\$ cts.
Agricultural products not enumerated, vegetables.	25						25		25			\$ cts.
Agricultural products not enumerated, animal.												\$ cts.
Agricultural implements.	25			54			25	54	79			
Barley		3,243		20,751		5,726	25	35,163	35,163			
Bricks	132						132		132			
Bones												
Brimstone	12						12		12			
Buckwheat												
Cement and water lime.	8,340	35			572		21,275	35	21,310			
Clay, lime and sand.		3,400			437,048		987,319	11,460	11,460			
Coal	5,380			8,000					987,319			
Corn												
Cattle	34	12		2			34	14	48			
Cotton (raw).												
Crockery and earthenware	221											
Dye wood and dye stuffs.												
Fish.		263		564								
Flax and hemp.		624										
Flour.	7	64,977										
Furniture.	80											
Gypsum.												
Glass (all kinds)	900											
Hay (pressed).	2,348											
Hogs					187		900		900			
Horses							2,535		2,535			
Hides and skins, horns and hoofs.	32	23	1	7		18	33	48	81			
		43		16				59	59			

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No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste. Marie Canal—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.
Ice.....	2,323	5,945					19,434		21,757	5,945	27,702						
Iron, railway.....	11,229						5,077		16,306	9,454	25,760						
" pig.....	12,164	992			118		780		13,062	992	13,964						
Iron ore.....		41,841		85,861	32	229,852		46,692	32	2,432,746	2,432,778						
Kryolite, chemical ore and other ore, except iron.....		1,337				8,515				9,852	9,852						
Lard and lard oil.....	13	949				9,130			13	10,070	10,070						
Meat, all kinds.....																	
Meats, other than pork.....																	
Marble.....	499								499		499						
Manilla.....	25								25		25						
Molasses.....	2,653								2,653		2,653						
Nails.....	66	855				27,818		2,397	66	31,070	31,136						
Oats.....	1,167								1,167		1,167						
Oil (in barrels).....								679		679	679						
Oil cake.....																	
Peanut.....	5	6							5	6	11						
Potatoes.....	2								2		2						
Pork.....	92								92		92						
Paint.....	35								35		35						
Pitch and tar.....																	
Rags.....																	
Rye.....						1,375				1,375	1,375						
Flax seed.....		4,439				41,790		150		46,379	46,379						
Rosin.....																	
Salt.....	2,340				10,284	40			12,624		12,624						
Stone intended for cutting.....										40	40						
" wrought.....																	
" not suitable for cutting, unwrought.....	1,241	15			2,352				3,593	15	3,608						
Seeds, all kinds.....	45								45		45						
Sheep.....	4								4		4						
Soda ash.....																	
Steel.....	13								13		13						
Sugar.....	1,214				2,193				3,407		3,407						



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## 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.
<i>Class No. 1.</i>		\$ cts.		\$ cts.		\$ cts.
Canadian vessels, steam.....	346,538	5,651 06	940,270	6,667 11	74,159	253 48
United States vessels, steam.....	368,596	6,338 48	209,643	1,431 65	404	6 85
Canadian vessels, sail.....	88,511	1,893 36	918,115	8,036 36	27,778	310 99
United States vessels, sail.....	48,368	936 08	69,221	789 70	260,625	3,342 50
Total, class No. 1.....	852,013	14,018 98	2,137,249	16,924 82	362,966	3,913 91
<i>Class No. 2.</i>	No.		No.		No.	
Passengers.....	1,251	123 45	105,788	5,111 34	2,833	48 38
<i>Class No. 3.</i>	Tons.		Tons.		Tons.	
Bricks.....	264	29 25	6,107	368 20	1,448	144 34
Brimstone.....			1,512	149 53		
Cement and water lime.....	39	7 60	1,430	145 81	764	65 70
Clay, lime and sand.....	421	23 15	56,217	2,282 98	6,341	644 67
Fish.....	52	7 80	112	9 49		
Gypsum.....	2	0 30	2	0 30		
Iron (railway).....	11,381	2,212 70	957	78 97	71	5 21
“ (pig).....	697	97 43	2,958	287 80	1,158	115 50
“ (all other).....	9,260	1,509 05	26,490	2,038 94	916	84 16
Steel.....	1,229	168 70	984	131 95	1,793	179 30
Salt.....	1,093	218 60	3,793	401 61	145	4 94
Stone, for cutting.....			303	11 49		
Apples.....	1	0 20	4,052	533 14	1,404	108 24
Barley.....	27,171	2,717 10	12,527	819 96		
Buckwheat.....			630	63 00	3	0 30
Corn.....	116,444	11,644 40	73,038	1,991 76	262	20 20
Cotton (raw).....			0 49	7 35		
Flax and hemp.....			8,052	606 70	1,239	41 58
Flour.....	35,049	6,800 89	8,590	377 44	14,600	796 59
Hay (pressed).....			366	33 92	10	1 00
Meals (all kinds).....	13,180	2,634 40	1,486	74 00		
Oil cake.....	7,848	1,569 60	20,214	1,188 61	1,152	38 65
Oats.....	16,582	1,664 50	1,928	174 08		
Pease.....	3	0 30	197	11 98	80	3 28
Potatoes.....			3	0 30		
Rye.....						
Flax seed.....	212	21 20	5,271	251 81	15	0 52
Seeds (all kinds).....	55	8 25	26	1 95		
Tobacco (raw).....			141,623	3,839 35	3	0 10
Wheat.....	165,138	16,474 44				
All other agricultural products, vegetable.....	1	0 15	1,966	274 76		
Bones.....			18	1 69		
Cattle.....			595	50 45	166	5 73
Hogs.....			70	3 99		
Hides and skins, horns and hoofs.....	11	2 20	50	3 84		
Horses.....			1,215	68 55	26	1 01
Lard and lard oil.....	30	4 50	377	51 23		
Meats (other than pork).....	1	0 15	52	6 17		
Pork.....	384	76 55	595	47 40	16	59
Sheep.....			56	4 10	107	3 77
Tallow.....	89	13 45	23	1 15		
Wool.....	134	26 80	5	0 28		
All other agricultural products, animal.....	2	0 30	4,976	530 17		
Total, class No. 3.....	406,773	47,933 96	388,915	16,927 12	31,659	2,265 68

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A—Continued.

of Tolls hitherto collected (now free) during the Season of Navigation in 1904.

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.
	8 cts.		8 cts.		8 cts.		8 cts.		8 cts.	
202,865	214 92	132,086	900 71	138,271	1,097 37	24,643	493 13	98,420	502 68	1,434,764
2,382	8 28	85,435	1,205 00	1,106	22 89	74,836	1,497 95	28,282	115 45	2,443,550
12,664	44 08			24,191	526 91	86	1 72	91	6 00	120,278
3,394	9 71	9,315	218 58	6,077	125 16	934	18 79			230,113
221,305	276 99	226,830	2,324 29	169,645	1,772 33	100,499	2,011 59	126,793	624 13	4,230,705
No.		No.		No.		No.		No.		No.
21,643	264 87	20,497	245 97	17,253	411 37			33,598	245 73	16,274
Tons.		Tons.		Tons.		Tons.		Tons.		Tons.
154	2 90	3	0 30	199	5 18	633	6 33	157	3 64	132
1	0 02									12
223	4 23	8	0 16	885	21 01	880	8 80			21,310
		7,775	461 15	5,681	144 70	367	3 67			11,460
2	0 04			14	0 35	2,298	22 98			858
						647	6 47			
337	6 40	5	0 49	6	0 15	2	0 02			27,702
162	3 04			50	1 43					25,760
561	10 82	18	1 27	495	12 79	156	1 56	15	0 15	13,964
206	3 94			70	1 70	5	0 05			13
442	8 39			1,737	48 31	420	4 20	4	0 24	12,924
1	0 02			3	0 07	14	0 14	225	1 05	40
414	7 90	121	7 05	275	7 00	210	2 10			5,388
697	11 40			66	1 55	4	0 04			35,163
48	0 90			5	0 12	3	0 03			
32	0 62			15	0 41	8	0 08			
										624
21	0 40	96	7 83	637	16 03	1,691	16 91			213,845
		5,821	535 31	574	13 64	456	4 56			2,535
13	0 26			30	0 75	505	5 05			10,070
				24	0 70					679
33	0 72	971	89 44	927	37 75	1,703	17 03			31,136
								120	1 20	
16	0 20	304	18 23	8	0 24	4,741	47 41			11
98	1 84	5	0 49							1,375
										46,379
54	1 03			37	0 89					45
				59	1 39					
259	4 87			1,801	42 07			69	0 69	893,823
485	9 34	6	0 52	34	0 85	171	1 71			25
						2	0 02			
5	0 10	934	72 86	1	0 03	15	0 15	2	0 02	48
		119	8 75	1	0 03			109	1 09	
		12	1 08	2	0 06					59
2	0 05	273	13 89	6	0 18	2	0 02			81
101	1 58	13	1 29	57	1 57					13
7	0 14			1	0 03	114	1 14			
50	0 98	35	2 09	125	3 03	130	1 30			2
		432	37 09			6	1 05			4
		7	0 70	8	0 19	1	0 01			2
12	0 24			1	0 03					1,494
362	6 94	3,160	283 21	3,171	200 14	9	0 09			54
4,707	89 69	20,118	1,543 20	17,005	564 37	15,193	151 93	701	8 08	1,356,730

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## 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.
<i>Class No. 4.</i>		\$ cts.		\$ cts.		\$ cts.
Ashes, pot and pearl. . . . .	19	3 80	44	8 80		
Agricultural implements. . . . .	414	82 60	159	17 53	61	2 35
Crockery and earthenware. . . . .	107	16 05	620	112 58	41	4 10
Dye woods and dye stuffs. . . . .	2	0 40	70	5 60	37	3 70
Furniture. . . . .	22	4 20	2,094	331 20		
Glass (all kinds). . . . .	144	21 80	3,142	608 11		
Marble. . . . .			4	0 40		
Manilla. . . . .	15	2 25	78	15 56		
Molasses. . . . .	1	0 15	924	123 55	73	2 53
Nails. . . . .	2,027	304 95	3,978	741 40	79	2 83
Oil (in barrels). . . . .	15,030	2,984 65	4,144	783 92	112	4 34
Paint. . . . .	100	16 35	1,932	373 41		
Pitch and tar. . . . .	192	37 80	572	75 32	397	39 70
Rags. . . . .			479	81 64		
Rosin. . . . .			1,480	75 25	2,347	262 93
Soda ash. . . . .			1,802	355 95		
Sugar. . . . .	997	152 20	3,329	592 50	171	5 98
Stone (wrought). . . . .			626	37 63		
Tim. . . . .	304	51 35	940	170 71		
Turpentine. . . . .			25	4 34		
White lead. . . . .	13	1 95	516	98 45		
Whiting. . . . .	19	2 85	810	160 85		
Whisky and all other spirits. . . . .	1,772	327 00	1,863	328 05	21	071
Merchandise (not enumerated). . . . .	30,383	4,650 75	40,835	6,250 02	6,575	525 26
Total, class No. 4. . . . .	51,561	8,661 10	70,466	11,355 77	9,914	854 42
<i>Class No. 5.</i>						
Bark. . . . .						
Barrels (empty). . . . .			561	40 92	165	9 35
Boat knees. . . . .						
Floats. . . . .			58	3 99		
Firewood (in vessels). . . . .	3,777	210 80	138,949	8,702 71	262,854	8,779 21
" (in rafts). . . . .						
Lumber sawn (in vessels). . . . .	97,409	17,459 61	41,340	1,849 23	46,547	2,766 21
" (in rafts). . . . .			320	14 27		
Hoops. . . . .						
Railway ties (in vessels). . . . .	1,133	142 74			2,045	162 79
" (in rafts). . . . .			107	2 28		
Masts, spars and telegraph poles (in vessels). . . . .						
Masts, spars and telegraph poles (in rafts). . . . .			19,918	497 95	100	3 34
Square timber (in vessels). . . . .	37,171	5,575 52	91	4 67	2,407	74 55
" (in rafts). . . . .	34	95	6,561	165 06		
Woodenware and wood partly manufactured. . . . .	18	7 20	490	108 20		
Shingles. . . . .			42	5 80	33	4 54
Split posts and fence rails (in vessels). . . . .						
" " (in rafts). . . . .						
Sawlogs. . . . .	1,203	49 22	612	14 00		
Staves and headings (barrel). . . . .	95	3 04	554	46 92		
" " (pipe). . . . .						
" " (West India). . . . .						
" " (salt barrel). . . . .	299	47 68	428	28 08		
Traverses. . . . .						
Hop poles. . . . .	154	18 41	68	2 00		
Total, class No. 5. . . . .	141,298	23,515 17	210,102	11,546 08	314,151	11,799 99



## SESSIONAL PAPER No. 20

## A—Continued.

of Tolls hitherto collected (now free) during the Season of Navigation in 1904.

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.	
		9	0 99	294	26 95	11	0 11			25
245	6 20	16	2 86	76	6 79	10	0 10			221
1	0 03			2	0 18	2	0 02			
322	8 29	95	11 41	78	7 08	26	0 26	3	0 09	80
234	5 90	95	17 48	106	9 93	26	0 26			900
				1	0 09	17	0 17			
				63	5 59	13	0 13			490
12	0 31			225	19 61	282	2 82			25
426	10 78			207	20 26	42	0 42			2,653
1,269	31 88			260	23 42	306	3 06			1,167
916	23 07			63	5 92	9	0 09			92
		78	14 82	59	5 22	124	1 24			33
40	1 01	154	29 13	64	5 69					
70	1 76									
824	20 72	3	0 57	327	34 02	145	1 45			3,407
52	1 30			2	0 18					
175	4 38	2	0 38	10	0 89	30	0 30			337
8	0 20					1	0 01			
95	2 42	1	0 19	104	9 56					130
79	1 99			9	0 80					23
410	10 37	4	0 49	371	32 68	47	0 47			908
9,418	235 59	1,814	298 13	2,180	208 03	847	8 47	38	1 14	148,457
14,596	366 20	2,271	376 45	4,501	422 89	1,938	19 38	41	1 23	158,968
				2	0 05			73	2 75	
20	0 38	118	15 68	47	2 83	38	0 38			8
		37,894	335 39	505	9 09			8,970	75 60	
4,194	34 96	9,432	381 90	6,391	142 72	159	1 59	13,757	145 47	741
		60	0 60	54	1 20					28,815
452	5 08	237,880	16,955 92	14,561	974 74	6,919	69 19			31,328
		1	0 25	88	6 47					42
		2	0 17							
282	282			338	13 46					
		25	4 00					63	1 25	
187	1 18					92	0 92	4,403	68 56	11
		200	2 01	30	1 50					65
						1,435	14 35			2,450
		5,275	58 56					220	10 00	935
13	0 95	2	0 33	285	86 89	251	2 51	106	4 46	10,038
						1,697	16 97			
						972	9 72	16,822	143 40	1
				50	1 00					7,016
				260	1 65					
						10	0 10			
5,148	45 37	290,889	17,754 81	22,611	1,241 60	11,573	115 73	44,414	451 49	81,450

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## APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Special Class.</i>		\$ cts.		\$ cts.		\$ cts.
Coal.....	103,325	20,665 00	345,105	49,439 67	82,046	7,999 01
Kryolite or chemical ore.....			504	43 20	437	31 85
Iron ore.....	36,822	1,841 10	2,861	143 05	9,720	486 00
Stone (unwrought, not suitable for cutting).....			11,760	235 20	260	52 62
Ice.....	80	3 25				
Total, special class.....	140,227	22,509 35	360,230	49,861 12	92,463	8,569 48
Total freight and tolls.....	739,859	117,562 01	1,029,713	111,726 25	448,187	27,451 87
Timber and other wood, free.....	40,425	2,695 00	1,938	94 29		
Wheat, corn, flour, iron, salt, coal, &c., free.....	31,087	4,886 95	395,665	38,692 52		
Grand totals (passengers and tonnage of vessels not included) ....	811,371	125,143 96	1,427,316	150,513 06	448,187	27,451 87

DEPARTMENT OF RAILWAYS AND CANALS,

OTTAWA, July 8, 1905.

## SESSIONAL PAPER No. 20

A—*Concluded.*

of Tolls hitherto collected, now free, during the Season of Navigation in 1904.

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.	
1,691	31 73			10,383	391 67	40,244	402 44			987,319
				28	0 75	5	0 05			9,852
										2,432,778
2,297	22 97					4,463	44 63	533	2 49	3,608
3,988	54 70			10,411	392 42	44,712	447 12	533	2 49	3,433,557
28,439	1,097 82	313,278	22,244 72	54,528	4,804 98	73,416	2,745 75	45,689	1,333 15	5,030,705
		22,445	194 91							
		270	13 50	592						
28,439	1,097 82	335,993	22,453 13	55,120	4,804 98	73,416	2,745 75	45,689	1,333 15	5,030,705

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

5-6 EDWARD VII., A. 1906

## SUPPLEMENTARY

No. (A) 15.—SUMMARY STATEMENT of Traffic on the undermentioned Canals during the description of property passed through and the amount

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
		\$ cts.		\$ cts.		\$ cts.
Vessels of all kinds.....	852,013	14,818 98	2,137,249	16,924 82	362,966	3,913 91
Passengers.....	No. 1,251	123 45	No. 105,788	5,111 34	No. 2,833	48 38
<i>Forest—Produce of Wood.</i>						
	Tons.		Tons.		Tons.	
Bark.....						
Boat knees.....						
Floats.....			58	3 99		
".....Free						
Firewood.....	3,777	210 80	138,949	8,762 71	262,854	8,779 21
".....Free	40,425					
Hoops and hop poles.....	154	18 41	68	2 00		
Lumber, sawed.....	97,409	17,459 61	41,660	1,863 50	46,547	2,766 21
Masts, spars, &c.....			19,918	497 95	100	3 34
Railway ties.....	1,133	142 74	107	2 28	2,045	162 79
".....Free						
Saw-logs.....	1,208	49 22	612	14 00		
Staves, all kinds.....	394	50 72	982	75 00		
".....Free			394			
Shingles.....			42	5 80	33	4 54
Split posts and rails.....						
Timber, square.....	37,205	5,576 47	6,655	169 73	2,407	74 55
".....Free			1,544			
Traverses.....						
Total.....	181,705	23,507 97	210,989	11,896 96	313,986	11,790 64
<i>Farm Stock.</i>						
Cattle.....			595	50 45	166	5 73
Hogs.....			70	3 99		
Horses.....			1,215	68 55	26	1 01
Sheep.....			56	4 10	197	3 77
Total.....			1,936	127 09	299	10 51
<i>Produce of Animals.</i>						
Bones.....			18	1 69		
Horns and hoofs, hides and skins (raw) ..	11	2 20	50	3 84		
" " " Free			10			
Lard and lard oil.....	30	4 50	377	51 23		
Meats other than pork.....	1	0 15	52	6 17		
" " " Free	25					
Pork.....	384	76 55	595	47 40	16	59
Tallow.....	89	13 45	23	1 15		
Wool.....	134	26 80	5	0 28		
Agricultural products not enumerated (animal).....	2	0 30	4,976	530 17		
" " " Free			1			
Total.....	676	123 95	6,107	641 93	16	59

SESSIONAL PAPER No. 20

APPENDIXA—*Continued.*

Season of Navigation ended 31st December, 1904, showing the total quantity of each of Tolls heretofore collected thereon, 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.
221,305	276 99	226,830	2,324 29	169,645	1,772 33	100,499	2,011 59	126,793	624 13	4,230,705
No. 21,643	264 87	No. 20,497	245 97	No. 17,253	411 37	No.	.....	No. 33,598	245 73	No. 16,274
Tons.		Tons.		Tons.		Tons.		Tons.		Tons.
				2	0 05			73	2 75	
		37,894	335 39	505	9 09			8,970	75 60	
4,194	34 96	9,492	382 50	6,445	143 92	159	1 59	13,757	145 47	29,556
		2	0 17			10	0 10			
452	5 08	237,881	16,956 17	14,649	981 21	6,919	69 19			31,370
187	1 18	200	2 01	30	1 50	92	0 92	4,403	68 56	76
282	2 82	25	4 00	338	13 46			63	1 25	
		25								
				50	1 00	972	9 72	16,822	143 40	7,016
13	0 95	2	0 33	285	86 89	251	2 51	106	4 46	10,038
		5,275	58 56			1,697	16 97			1
		3,080				1,435	14 35	220	10 00	3,385
				260	1 65					
5,128	44 99	313,216	17,739 13	22,564	1,238 77	11,535	115 35	44,414	451 49	81,442
5	0 10	934	72 86	1	0 03	15	0 15	2	0 02	48
		119	8 75	1	0 03			109	1 09	
2	0 04	273	13 89	6	0 18	2	0 02			81
		432	37 09			6	0 06			4
7	0 14	1,758	132 59	8	0 24	23	0 23	111	1 11	133
						2	0 02			
		12	1 08	2	0 06					59
101	1 98	13	1 29	57	1 57					13
7	0 14			1	0 03	114	1 14			
50	0 98	35	2 09	125	3 03	130	1 30			2
		7	0 70	8	0 19	1	0 01			2
12	0 24			1	0 03					1,494
362	6 94	3,160	283 21	3,171	200 14	9	0 09			54
532	10 28	3,227	288 37	3,365	205 05	256	2 56			1,624

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## SUPPLEMENTARY APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Agricultural Products.</i>		\$ cts.		\$ cts.		\$ cts.
Agricultural products not enumerated (vegetable).....	1	0 15	1,966	274 76		
Apples.....	1	0 20	4,052	533 14	1,404	108 24
".....Free			1			
Barley.....	27,171	2,717 10	12,527	819 96		
".....Free			9,697			
Buckwheat.....			630	63 00	3	0 30
Cotton (raw).....						
Corn.....	116,444	11,644 40	73,038	1,991 76	202	20 20
".....Free			55,021			
Flax and hemp.....			49	7 35		
".....Free			159			
Flour.....	35,049	6,800 89	8,052	606 70	1,239	41 58
".....Free			24,662			
Hay (pressed).....			8,590	377 44	14,600	796 59
Meals (all kinds).....	13,180	2,634 40	366	33 92	10	1 00
".....Free	25		57			
Manilla.....	15	2 25	78	15 56		
".....Free	34					
Oats.....	16,582	1,664 50	20,214	1,188 61	1,152	38 65
Pease.....	3	0 36	1,928	174 08		
Potatoes.....			197	11 98	80	3 28
Rye.....			3	0 30		
Seeds—flax, clover and grass.....	267	29 45	5,271	251 81	15	0 52
".....Free	164		53			
Tobacco (raw).....			26	1 95		
Wheat.....	165,138	16,474 44	141,623	3,839 35	3	0 10
".....Free			133,528			
Total.....	374,074	41,968 08	501,788	10,191 67	18,708	1,010 46
<i>Manufactures.</i>						
Ashes (pot and pearl).....	19	3 80	44	8 80		
".....Free			16			
Agricultural implements.....	414	82 60	159	17 53	61	2 35
".....Free			17			
Barrels (empty).....			561	40 92	165	9 35
Bricks.....	264	29 25	6,107	368 20	1,448	144 34
".....Free	115					
Cement and water lime.....	39	7 60	1,430	145 81	764	65 70
".....Free	39		35			
Crockery and earthenware.....	107	16 05	620	112 58	41	4 10
".....Free	291					
Furniture.....	22	4 20	2,094	331 20		
".....Free	5		6			
Glass of all kinds.....	144	21 80	3,142	608 11		
".....Free	1,671		3			
Iron, railway.....	11,381	2,212 70	957	78 97	71	5 21
".....Free	283		8,170			
" pig.....	697	97 43	2,958	287 80	1,158	115 80
" all other.....	9,260	1,509 05	26,490	2,038 94	916	84 16
".....Free	3,782		1,651			
Molasses.....	1	0 15	924	123 55	73	2 53
Nails.....	2,027	301 95	3,978	741 40	79	2 83
".....Free	2,009					
Oil.....	15,030	2,984 65	4,144	783 92	112	4 34
".....Free	1,418		12,848			
Oil cake.....	7,848	1,569 60	1,486	74 90		
".....Free			7,846			

## SESSIONAL PAPER No. 20

## A—Continued.

Canals and the amount of Tolls collected, &amp;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.	Tolls.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	Free.
485	9 34	6	0 52	34	0 85	171	1 71			25
414	7 90	121	7 05	275	7 00	210	2 10			5,388
607	11 40			66	1 55	4	0 04			35,163
48	0 90			5	0 12	3	0 03			
32	0 61			15	0 41	8	0 08			
										624
21	0 40	96	7 83	637	16 03	1,691	16 91			213,845
		5,821	535 31	574	13 64	456	4 56			2,535
13	0 26			30	0 75	505	5 05			10,070
				63	5 59	13	0 13			490
38	0 72	971	89 44	927	37 75	1,703	17 03			31,136
								120	1 20	
10	0 20	304	18 23	8	0 24	4,741	47 41			11
98	1 84	5	0 49							1,375
54	1 03			37	0 89					46,424
				59	1 39					
259	4 87			1,801	42 07			69	0 69	893,823
2,079	39 47	7,324	658 87	4,531	128 28	9,505	95 05	189	1 89	1,240,909
		9	0 99	294	26 95	11	0 11			25
20	0 38	118	15 68	47	2 83	38	0 38			8
154	2 90	3	0 30	199	5 18	633	6 33	157	3 64	132
223	4 23	8	0 16	885	21 01	880	8 80			21,310
245	6 20	16	2 86	76	6 79	10	0 10			221
322	8 29	95	11 41	78	7 08	26	0 26	3	0 09	80
234	5 90	95	17 48	106	9 93	26	0 26			900
337	6 40	5	0 49	6	0 15	2	0 02			27,702
162	3 04			50	1 43					25,760
561	10 82	18	1 27	495	12 79	156	1 56	15	0 15	13,964
12	0 31			225	19 61	282	2 82			25
425	10 78			207	20 26	42	0 42			2,653
1,269	31 88			260	23 42	306	3 06			1,16
				24	0 70					679

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## SUPPLEMENTARY APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Manufactures—Con.</i>		\$ cts.		\$ cts.		\$ cts.
Paint .....	100	16 35	1,932	373 41		
" .....	202					
Pitch and tar .....	192	37 80	572	75 32	397	39 70
" .....	199					
Rosin .....			1,480	75 25	2,347	262 93
Soda ash .....			1,802	355 95		
" .....	387					
Spirits, whisky, &c. ....	1,772	327 00	1,863	328 05	21	0 71
" .....	432		766			
Steel .....	1,229	168 70	984	131 95	1,793	179 30
" .....	58		16			
Sugar .....	997	152 20	3,329	592 50	171	5 98
" .....	52					
Tin .....	304	51 35	940	170 71		
" .....	362		87			
White lead .....	13	1 95	516	98 45		
" .....	82					
Turpentine .....			25	4 34		
Whiting .....	19	2 85	810	160 85		
" .....	33					
Woodenware .....	18	7 20	490	108 20		
Total .....	63,317	9,609 23	101,298	8,237 61	9,617	929 33
<i>Merchandise.</i>						
Brimstone (crude) .....			1,512	149 55		
" .....	12					
Clay, lime and sand .....	421	23 15	56,217	2,282 98	6,341	644 67
Coal .....	103,325	20,665 00	345,105	49,439 67	82,046	7,999 01
" .....	10,200		122,325			
Dye woods and dye stuffs .....	2	0 40	70	5 60	37	3 70
" .....	2					
Fish .....	52	7 80	112	9 49		
" .....	4					
Gypsum .....	2	0 30	2	0 30		
Ores (all kinds) .....	36,822	1,841 10	3,365	186 25	10,157	517 85
" .....	2,861		17,362			
Marble .....			4	0 40		
Rags .....			479	84 64		
Salt .....	1,093	218 60	3,793	401 61	145	4 94
" .....	99		615			
Stone (all kinds) .....			12,689	284 32	260	52 62
" .....	41					
All other goods and merchandise (not enumerated) .....	30,463	4,654 00	40,835	6,250 02	6,575	525 26
" .....	6,200		713			
Total .....	191,599	27,410 35	605,198	59,094 83	105,561	9,748 05
Grand totals (passengers and tonnage of vessels not included) .....	811,371	117,562 01	1,427,316	111,726 25	448,187	27,451 87

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.



## SESSIONAL PAPER No. 20

A—Continued.

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

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.
916	23 07			63	5 92	9	0 09			92
		78	14 82	59	5 22	124	1 24			33
70	1 76									
410	10 37	4	0 49	371	32 68	47	0 47			908
206	3 94			70	1 70	5	0 05			13
824	20 72	3	0 57	327	34 02	145	1 45			3,407
175	4 38	2	0 38	10	0 89	30	0 20			357
95	2 42	1	0 19	104	9 56					130
8	0 20					1	0 01			
79	1 99			9	0 80					23
6,748	159 98	455	67 09	3,965	248 92	2,773	27 73	175	3 88	99,589
1	0 02									12
		7,775	461 15	5,681	144 70	367	3 67			11,460
1,691	31 73			10,383	391 67	40,244	402 44			987,319
		270		592						
1	0 03			2	0 18	2	0 02			
2	0 04			14	0 35	2,298	22 98			858
						647	6 47			
				28	0 75	5	0 05			2,442,630
				1	0 09	17	0 17			
40	1 01	154	29 13	64	5 69					
442	8 39			1,737	48 31	420	4 20	4	0 24	12,624
2,350	24 29			5	0 25	4,477	44 77	758	3 54	3,648
9,418	235 59	1,814	298 13	2,180	208 03	847	8 47	38	1 14	148,457
13,945	301 10	10,013	788 41	20,687	800 02	49,324	493 24	800	4 92	3,607,008
28,439	1,097 82	335,993	22,244 72	55,120	4,804 98	73,416	2,745 75	45,689	1,333 15	5,030,705

RICHARD DEVLIN,  
*Compiler of Canal Statistics.*

5-6 EDWARD VII., A. 1906

APPENDIX A—Continued.  
No. (A) 17.—STATEMENT showing the amount of Tolls accrued each month during the Season of Navigation ended December 31, 1904.

Canals and Offices.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
<b>WELLAND CANAL.</b>										
Chippawa .....	240 59	34 24	330 50	94 11	95 35	11,525 45	11,525 45	0 30	3,395 13	795 29
Collborne .....	6,626 18	13,369 35	15,473 41	11,694 44	15,077 98	3,696 99	4,903 60	12,935 03	3,395 13	89,396 97
Dalhousie .....	2,065 58	5,670 65	4,116 65	2,553 97	3,696 99	27 67	58 82	3,408 84	517 67	26,983 45
Dunville .....	81 66	102 60	17 72	0 75	27 67	8 19	18 98	11 35	.....	300 37
St. Catharines .....	36 44	8 53	13 46	44 82	44 82	.....	.....	4 81	.....	135 23
Total, Welland Canal .....	9,050 45	19,185 37	19,951 74	14,388 09	18,906 18	16,506 85	15,099 00	5,660 53	3,912 80	117,562 01
<b>St. LAWRENCE CANALS.</b>										
Beauharnois .....	19 01	26 94	23 94	43 74	41 22	30 96	30 96	11 47	.....	197 28
Cardinal .....	215 37	404 67	280 59	306 67	198 18	220 86	220 86	162 45	40 26	1,829 65
Cornwall .....	6,424 84	8,294 06	8,244 76	8,625 93	6,034 82	6,213 40	6,213 40	3,882 77	1 15	47,721 23
Kingston .....	2,629 46	1,398 78	1,915 60	1,061 19	1,167 13	1,292 65	1,292 65	868 07	.....	11,084 44
Lachine .....	490 04	566 70	518 98	743 22	750 40	520 39	520 39	385 90	.....	3,975 63
Montreal .....	4,114 11	5,823 69	6,572 11	6,767 37	5,807 88	5,748 63	4,598 58	38,935 71	3 34	38,935 71
Scotlanges .....	852 28	1,057 26	1,071 28	693 91	1,293 01	1,072 71	1,072 71	1,500 48	21 54	7,382 91
Total, St. Lawrence Canals .....	14,745 11	17,672 16	18,627 26	18,152 63	15,292 13	15,099 00	15,099 00	11,410 17	66 29	111,726 25
<b>CHAMBLEY CANAL.</b>										
Chamblay .....	244 52	1,422 19	2,779 44	2,977 81	2,990 29	2,398 30	2,398 30	1,429 51	.....	14,242 06
St. John's .....	3,805 75	1,369 69	1,730 77	1,919 34	1,377 74	1,681 64	1,681 64	535 61	.....	12,359 94
St. Ours .....	8 77	123 32	131 54	109 56	112 25	161 23	161 23	133 20	.....	849 87
Total, Chamblay Canal .....	4,120 27	2,854 60	4,641 75	5,006 71	4,480 28	4,241 17	4,241 17	2,098 32	.....	27,451 87
<b>OTTAWA CANALS.</b>										
Ottawa .....	2,505 49	2,635 38	2,119 54	2,005 11	1,324 31	2,054 46	2,054 46	1,570 44	.....	14,944 07
Carleton .....	32 16	10 19	6 38	6 43	19 60	9 87	9 87	3 89	.....	88 52
Grenville .....	353 73	776 58	854 02	1,031 27	586 35	1,517 96	1,517 96	639 44	.....	5,753 35
St. Anne's .....	0 75	150 71	224 79	270 06	226 52	210 62	210 62	138 47	.....	1,458 78
Total, Ottawa Canals .....	3,042 09	3,640 94	3,216 80	3,312 87	2,156 78	3,792 91	3,792 91	2,352 24	.....	22,244 72

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RIDEAU CANAL.											
Kingston Mills.....	117 19	114 07	166 73	171 51	176 57	113 72	62 71	.....	.....	922 50	.....
Ottawa.....	235 42	314 29	263 16	577 95	278 94	474 49	297 64	.....	.....	2,371 89	.....
Smith's Falls.....	106 82	175 06	282 31	419 96	234 45	155 56	136 43	.....	.....	1,510 50	.....
Total, Rideau Canal.....	459 43	603 42	712 20	1,169 42	689 96	743 77	426 78	.....	.....	4,804 98	.....
ST. PETER'S CANAL.											
St. Peter's.....	312 44	339 26	341 88	423 10	421 70	447 84	304 61	154 92	.....	2,745 75	.....
TRENT VALLEY CANALS.											
Bobcaygeon.....	1 00	73 64	87 11	104 89	77 11	84 69	.....	.....	.....	447 27	.....
Buckhorn.....	.....	7 97	33 55	38 91	35 16	8 80	.....	.....	.....	136 64	.....
Peterborough.....	12 00	78 37	169 65	131 10	37 10	.....	.....	.....	.....	428 52	.....
Barleigh.....	15 33	8 49	20 51	20 28	21 29	33 72	3 35	.....	.....	122 97	.....
Hastings.....	0 25	4 98	7 50	15 88	4 50	1 25	3 75	.....	.....	38 11	.....
Fencelon Falls.....	9 50	30 45	42 29	35 20	26 55	10 75	14 90	.....	.....	169 64	.....
Total, Newcastle District Canals.....	1 00	293 90	360 01	346 26	201 71	139 21	22 00	.....	.....	1,333 15	.....
MURRAY CANAL.											
Brighton.....	6 02	115 49	214 98	257 11	165 35	163 74	81 93	.....	.....	1,097 82	.....
Grand Total.....	1,498 04	44,615 08	48,066 62	43,055 59	42,224 09	41,134 49	32,356 58	4,134 01	.....	288,966 55	.....

RICHARD DEVLIN.

*Compiler of Canal Statistics.*

DEPARTMENT OF RAILWAYS AND CANALS.

OTTAWA, July 8, 1905.

5-6 EDWARD VII., A. 1906

## 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, 1904, 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.				
WELLAND CANAL.													
Canadian vessels, steam.....	598	111,848	108,740	54,450	9,543	536	188	7,406	53,807	174,260	172,278	346,538	5,651 06
" sail.....	201	25,352	28,924	19,096	.....	.....	1,117	298	13,724	44,746	43,765	88,511	1,893 36
Total, Canadian..	799	137,200	137,664	73,546	9,543	536	1,305	7,704	67,531	219,006	216,043	435,049	7,544 42
United States vessels, steam.....	475	1,892	35	27,728	12,104	142,296	126,855	8,033	49,653	179,949	188,647	368,596	6,338 48
" sail.....	139	1,322	.....	17,600	2,055	11,943	6,255	289	8,924	31,154	17,214	48,368	936 08
Total, United States.....	634	3,214	35	45,328	14,159	154,239	133,090	8,322	58,577	211,103	205,861	416,964	7,274 56
Grand total, Welland Canal.....	1,433	140,414	137,699	118,874	23,702	154,735	134,395	16,026	126,108	430,109	421,904	852,013	14,818 98
St. LAWRENCE CANALS.													
Canadian vessels, steam.....	3,768	466,867	385,896	35,038	.....	44	140	.....	52,285	501,949	488,321	940,270	6,667 11
" sail.....	3,764	449,859	363,166	48,067	.....	1,315	.....	.....	55,708	499,241	418,874	918,115	8,036 36
Total, Canadian.....	7,532	916,726	749,062	83,105	.....	1,359	140	.....	107,993	1,001,190	857,195	1,858,385	14,703 47
United States vessels, steam.....	799	510	2,421	75,788	.....	22,052	23,442	1,499	83,931	99,849	109,794	209,643	1,431 65
" sail.....	347	1,852	8,077	21,952	.....	2,639	389	11,626	22,686	38,069	31,152	69,221	789 70
Total, United States.....	1,146	2,362	10,498	97,740	.....	24,691	23,831	13,125	106,617	137,918	140,946	278,864	2,221 35
Grand total, St. Lawrence Canals ....	8,678	919,088	759,560	180,845	.....	26,050	23,971	13,125	214,610	1,139,108	998,141	2,137,249	16,924 82

## SESSIONAL PAPER No. 20

[illegible]

5-6 EDWARD VII., A. 1906

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.													
United States vessels, steam.....	1	86	.....	.....	.....	.....	.....	.....	.....	86	.....	86	1 72
" sail.....	6	533	321	.....	80	.....	.....	.....	.....	533	401	934	18 79
Total, United States.....	7	619	321	.....	80	.....	.....	.....	.....	619	401	1,020	20 51
Grand total, St. Peter's Canal.....	1,654	52,467	47,705	.....	80	.....	.....	247	.....	52,714	47,785	100,499	2,011 59
TRENT VALLEY CANALS.													
Canadian vessels, steam.....	1,804	49,093	49,327	.....	.....	.....	.....	.....	.....	49,093	49,327	98,420	502 68
" sail.....	469	14,474	13,808	.....	.....	.....	.....	.....	.....	14,474	13,808	28,282	115 45
Total, Canadian.....	2,273	63,567	63,135	.....	.....	.....	.....	.....	.....	63,567	63,135	126,702	618 13
United States vessels, steam.....	14	43	48	.....	.....	.....	.....	.....	.....	43	48	91	6 00
" sail.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, United States.....	14	43	48	.....	.....	.....	.....	.....	.....	43	48	91	6 00
Grand total, Trent Valley Canals.....	2,287	63,610	63,183	.....	.....	.....	.....	.....	.....	63,610	63,183	126,793	624 13
MURRAY CANAL.													
Canadian vessels, steam.....	528	69,305	66,093	.....	1,046	.....	.....	.....	.....	105,699	97,166	202,865	214 92
" sail.....	178	4,448	4,928	.....	2,323	171	.....	.....	.....	6,942	5,722	12,664	44 08
Total, Canadian.....	706	73,753	71,021	.....	38,717	1,046	171	.....	.....	112,641	102,888	215,529	259 00
United States vessels, steam.....	33	282	303	.....	1,604	.....	.....	.....	.....	1,886	496	2,382	8 28
" sail.....	29	61	166	.....	2,531	.....	100	.....	.....	2,692	702	3,394	9 71
Total, United States.....	62	343	469	.....	4,135	.....	100	.....	.....	4,578	1,198	5,776	17 99
Grand total, Murray Canal.....	768	74,096	71,490	.....	42,852	1,046	271	.....	.....	117,219	104,086	221,305	276 99



5-6 EDWARD VII., A. 1906

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.				
CANADIAN VESSELS.													
Steam and Sail.													
Welland.....	799	137,200	137,664	73,546	9,543	556	1,205	7,704	67,531	219,006	216,043	435,049	7,544 42
St. Lawrence.....	7,532	916,736	749,062	83,105	..	1,359	140	..	107,993	1,001,190	857,195	1,858,385	14,793 47
Chambly.....	795	45,636	44,607	4,686	..	..	..	..	7,008	50,322	51,615	101,937	564 47
Ottawa.....	1,712	43,163	171,602	..	2,750	..	..	..	..	43,163	174,352	217,515	2,105 71
Rideau.....	3,790	77,156	76,639	3,563	..	..	..	..	5,104	80,719	81,743	162,462	1,624 28
St. Peter's.....	1,647	51,848	47,384	..	..	..	..	247	..	63,967	64,384	99,479	1,991 08
Trent Valley.....	2,273	63,567	63,135	..	..	..	..	..	..	112,641	126,702	215,702	618 13
Murray.....	706	73,753	71,021	38,717	1,046	171	..	..	30,821	102,888	102,888	259 00	
Sault Ste. Marie. . .	2,637	429,211	546,772	95,628	146,401	3,089	2,778	229,959	101,204	757,887	797,155	1,555,042	..
Total Canadian.....	21,851	1,838,260	1,907,886	299,245	159,740	5,175	4,223	237,910	319,661	2,380,590	2,391,510	4,772,100	29,410 56
UNITED STATES VESSELS.													
Welland.....	634	3,214	35	45,328	14,159	154,159	133,090	8,322	58,577	211,103	203,861	416,964	7,274 56
St. Lawrence.....	1,146	2,362	10,498	97,740	..	24,691	23,831	13,125	106,617	137,918	140,946	278,864	2,221 35
Chambly.....	2,680	5	1,221	125,713	..	..	..	..	134,090	125,718	135,311	261,029	3,349 44
Ottawa.....	93	1,241	302	..	7,672	..	..	..	..	1,241	8,074	9,315	218 58
Rideau.....	292	1,013	3,074	650	1,571	..	..	..	875	1,663	5,520	7,183	148 05
St. Peter's.....	7	619	321	..	80	..	..	..	..	619	401	1,020	20 51
Trent Valley.....	14	43	48	4,135	..	100	..	..	..	43	48	91	6 00
Murray.....	62	343	469	4,135	..	..	..	..	729	4,578	1,198	5,776	17 99
Sault Ste. Marie.. .	1,325	1,982	822	2,155	16,511	1,285,286	1,318,164	46,634	4,809	1,335,357	1,340,306	2,675,663	..
Total United States.....	6,253	10,122	16,890	275,721	39,993	1,464,316	1,475,085	68,081	305,697	1,818,240	1,837,665	3,655,905	13,256 48
Grand total, Canadian and United States.....	28,104	1,848,382	1,924,776	574,966	199,733	1,469,491	1,479,308	305,991	625,358	4,198,830	4,229,175	8,428,005	42,667 04

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.RICHARD DEVLIN,  
*Comptroller of Canal Statistics.*



APPENDIX A—Continued.

No. (A) 18.—COMPARATIVE STATEMENT of Grand Total Freight passed through the undermentioned Canals during the Seasons of Navigation 1903 and 1904, 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.		
1903.												
Welland .....	64,380	189,802	51,763	39,350	149,151	221,674	4,796	291,603	270,090	732,829	1,002,919	136,842 89
St. Lawrence.....	322,831	852,190	117,407	.....	338	5,661	18,001	364,758	438,597	1,222,609	1,631,206	123,189 47
Chambly.....	6,334	7,375	218,567	.....	.....	.....	.....	113,495	225,101	121,470	346,571	24,759 24
Ottawa.....	922	396,561	.....	38,490	.....	.....	.....	7,082	922	435,551	436,473	29,439 21
Rideau .....	24,168	21,640	1,913	6,317	.....	.....	.....	.....	26,081	35,039	61,120	4,999 77
St. Peters.....	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	1,068 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	2,391,365	430,174	408,500	863,337	3,130,816	373,456	958,018	2,315,117	6,888,700	9,203,817	325,466 97
1901.												
Welland .....	45,656	197,135	49,297	56,785	87,144	165,337	3,711	206,906	185,208	626,163	811,371	117,562 01
St. Lawrence.....	293,359	602,675	121,910	.....	1,578	2,162	14,699	390,933	431,546	995,770	1,427,316	111,726 25
Chambly.....	5,463	11,890	319,652	.....	.....	.....	.....	111,282	325,015	123,172	448,187	27,451 87
Ottawa.....	562	309,144	.....	26,287	.....	.....	.....	.....	562	335,431	335,993	22,244 72
Rideau .....	20,981	19,968	839	4,251	.....	.....	.....	9,081	21,820	33,990	55,120	4,804 98
St. Peters.....	22,851	50,115	.....	.....	.....	.....	450	.....	23,301	50,115	73,416	2,745 75
Trent Valley .....	32,185	13,504	.....	.....	.....	.....	.....	.....	32,185	13,504	45,689	1,333 15
Murray.....	13,278	9,807	3,662	.....	.....	.....	.....	1,692	16,940	11,499	28,439	1,097 82
Sault Ste. Marie .....	173,002	833,261	16,627	189,255	611,062	2,611,404	464,935	131,139	1,265,626	3,765,079	5,030,705	No Tolls.
Grand total .....	606,737	2,047,499	511,887	276,578	699,784	2,778,903	483,795	851,053	2,302,293	5,954,033	8,256,236	288,966 55

RICHARD DEVLIN,  
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

5-6 EDWARD VII., A. 1906

## APPENDIX A—Continued.

No. (A) 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals, for the Years ending December 31, 1903 and 1904.

Articles.	1903.	1904.	Increase.	Decrease.
<i>Class No. 1.</i>	Tons.	Tons.	Tons.	Tons.
Canadian vessels, steam . . . . .	3,383,786	3,392,010	8,224	346,696
United States vessels, steam. . . . .	3,562,930	3,216,234		637,332
Canadian vessels, sail . . . . .	1,829,046	1,191,714		45,498
United States vessels, sail. . . . .	673,545	628,047		
Total, class No. 1. . . . .	9,449,307	8,428,005	8,224	1,029,526
<i>Class No. 2.</i>	No.	No.	No.	No.
Passengers. . . . .	236,823	219,137		17,686
<i>Class No. 3.</i>	Tons.	Tons.	Tons.	Tons.
Bricks. . . . .	11,086	9,097		1,989
Brimstone. . . . .	2,014	1,525		489
Cement and water lime. . . . .	28,600	25,539		3,061
Clay, lime and sand. . . . .	117,244	88,262		28,982
Fish. . . . .	5,593	3,336		2,257
Gypsum. . . . .	1,498	651		847
Iron, railway. . . . .	93,746	40,461		53,285
" pig. . . . .	20,784	30,785	10,001	
" all other. . . . .	59,678	51,875		7,803
Steel. . . . .	8,515	4,300		4,215
Salt. . . . .	32,844	20,258		12,586
Stone, for cutting. . . . .	359	586	227	
Apples. . . . .	13,480	11,865		1,615
Barley. . . . .	51,003	75,538	24,535	
Buckwheat. . . . .	2,153	689		1,464
Corn. . . . .	338,132	189,739		148,393
Cotton, raw. . . . .	25			25
Flax and hemp. . . . .	3,775	673		3,102
Flour. . . . .	359,848	260,630		99,218
Hay, pressed. . . . .	50,129	32,576		17,553
Meals, all kinds. . . . .	29,989	24,174		5,815
Oil cake. . . . .	13,018	10,037		2,981
Oats. . . . .	66,621	72,723	6,102	
Pease. . . . .	1,934	2,051	117	
Potatoes. . . . .	6,804	5,351		1,453
Rye. . . . .	16,672	1,481		15,191
Flax seed. . . . .	78,162	46,591		31,571
Seed, all kinds. . . . .	6,828	5,477		1,351
Tobacco, raw. . . . .	73	85	12	
Wheat. . . . .	1,433,288	1,202,716		230,572
All other agricultural products, vegetable. . . . .	3,219	2,688		531
Bones. . . . .	402	20		382
Cattle. . . . .	1,236	1,766	530	
Hogs. . . . .	384	299		85
Hides and skins, horns and hoofs. . . . .	265	134		131
Horses. . . . .	1,573	1,605	32	
Lard and lard oil. . . . .	802	591		211
Meats, other than pork. . . . .	229	175		54
Pork. . . . .	1,313	1,337	24	
Sheep. . . . .	687	605		82
Tallow. . . . .	159	130		29
Wool. . . . .	2,601	1,646		955
All other agricultural products, animal. . . . .	10,633	11,734	1,101	
Total, class No. 3. . . . .	2,877,398	2,241,801	42,681	678,278
<i>Class No. 4.</i>				
Ashes, pot and pearl. . . . .	194	63		131
Agricultural implements. . . . .	589	973	384	
Crockery and earthenware. . . . .	1,400	1,336		64
Dye woods and dye stuffs. . . . .	137	114		23
Furniture. . . . .	2,675	2,720	45	
Glass, all kinds. . . . .	4,750	4,647		103
Marble. . . . .	1,521	22		1,499
Manilla. . . . .	1,108	659		449
Molasses. . . . .	1,777	1,542		235
Nails. . . . .	11,782	9,412		2,370
Oil, in barrels. . . . .	22,955	22,288		667
Paint. . . . .	2,645	3,112	467	

## SESSIONAL PAPER No. 20

No. (A) 19.—COMPARATIVE STATEMENT of the Traffic on all the Canals for the Years ended December 31, 1903 and 1904.—*Concluded*

ARTICLES.	1903.	1904.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.
<i>Class No. 4—Concluded.</i>				
Pitch and tar.....	2,843	1,455		1,388
Rags.....	833	737		96
Rosin.....	4,434	3,827		607
Soda ash.....	1,555	1,872	317	
Sugar.....	8,190	9,203	1,013	
Stone, wrought.....	111	680	569	
Tin.....	1,255	1,818	563	
Turpentine.....	126	34		92
White lead.....	572	859	287	
Whiting.....	930	940	10	
Whiskey and all other spirits.....	5,000	5,396	396	
Merchandise, not enumerated.....	231,118	240,547	9,429	
Total, class No. 4.....	308,500	314,256	13,480	7,724
<i>Class No. 5.</i>				
	Tons.	Tons.	Tons.	Tons.
Bark.....	209	75		134
Barrels (empty).....	1,693	957		736
Boat knees.....				
Floats.....	44,797	47,427	2,630	
Firewood (in vessels).....	320,765	440,254	119,489	
" (in rafts).....	125	28,929	28,804	
Lumber sawn (in vessels).....	583,522	476,436		107,086
" (in rafts).....	2,936	451		2,485
Hoops.....	1	2	1	
Railway ties (in vessels).....	4,603	3,798		805
" (in rafts).....	615	195		420
Masts, spars and telegraph poles (in vessels).....	499	4,693	4,194	
" " (in rafts).....	21,030	20,313		717
Square timber (in vessels).....	34,286	43,557	9,271	
" (in rafts).....	7,522	13,025	5,503	
Woodenware and wood partly manufactured.....	116	508	392	
Shingles.....	12,720	10,770		1,950
Split posts and fence rails (in vessels).....	2,105	1,697		408
" " (in rafts).....		1	1	
Saw logs.....	20,540	26,630	6,090	
Staves and Headings (barrel).....	96	699	603	
" " (pipe).....				
" " (West India).....				
" " (salt barrel).....		727	727	
Traverses.....	20	260	240	
Hop poles.....	2	232	230	
Total, class No. 5.....	1,058,202	1,121,636	178,175	114,741
<i>Special Class.</i>				
Coal.....	1,590,595	1,570,113		20,482
Kryolite or chemical ore.....	18,314	10,826		7,488
Iron ore.....	2,703,827	2,482,181		221,646
Stone (unwrought, not suitable for cutting).....	18,517	22,921	4,404	
Ice.....	1,080	80		1,000
Total, special class.....	4,332,333	4,086,121	4,404	250,616
Total, freight.....	8,576,433	7,763,814		812,619
Timber and other wood, free.....	68,487	64,808		3,679
Wheat, corn, flour, iron, salt, coal, &c., free.....	558,897	427,614		131,283
Grand totals (passengers and tonnage of vessels not included).....	9,203,817	8,256,236		947,581
Total, increase and decrease.....			238,740	1,186,321
Freight, grand total, decrease.....				947,581

DEPARTMENT OF RAILWAYS AND CANALS,  
OTTAWA, July 8, 1905.

RICHARD DEVLIN,  
*Compiler of Statistics.*

5-6 EDWARD VII., A. 1906

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 1904.

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	29	232	6	48	21	168	6	48
10	9	90	4	40	3	30	8	80
15	5	75	1	15	5	75	4	60
20	7	140	2	40	2	40	1	20
25	6	150	.....	.....	3	75	3	75
30	7	210	1	30	1	30	3	90
35	5	175	1	35	1	105	2	70
40	3	120	.....	.....	2	80	2	80
50	2	100	1	50	3	150	2	100
55	1	55	.....	.....	1	55	1	55
60	.....	.....	1	60	.....	.....	.....	.....
65	2	130	.....	.....	1	65	.....	.....
70	1	70	.....	.....	.....	.....	1	70
75	3	225	.....	.....	1	75	.....	.....
80	.....	.....	1	80	.....	.....	1	80
85	1	85	.....	.....	1	85	.....	.....
90	.....	.....	.....	.....	1	90	.....	.....
95	.....	.....	.....	.....	2	190	1	95
100	1	100	.....	.....	.....	.....	.....	.....
110	1	110	.....	.....	1	110	.....	.....
130	1	130	.....	.....	.....	.....	1	130
150	2	300	1	150	2	300	.....	.....
160	1	160	1	160	.....	.....	.....	.....
165	.....	.....	.....	.....	.....	.....	.....	.....
175	.....	.....	1	175	1	175	.....	.....
190	.....	.....	1	190	1	190	1	190
195	1	195	1	195	2	390	2	390
220	2	440	.....	.....	.....	.....	.....	.....
230	.....	.....	1	230	1	230	.....	.....
260	.....	.....	1	260	.....	.....	.....	.....
265	1	265	.....	.....	.....	.....	1	265
285	.....	.....	.....	.....	1	285	2	570
295	.....	.....	1	295	.....	.....	.....	.....
305	.....	.....	.....	.....	1	305	1	305
310	.....	.....	.....	.....	.....	.....	1	310
315	.....	.....	1	315	.....	.....	1	315
320	.....	.....	1	320	.....	.....	1	320
330	.....	.....	.....	.....	.....	.....	.....	.....
360	3	1,080	.....	.....	.....	.....	.....	.....
400	1	400	.....	.....	1	400	.....	.....
415	2	830	1	415	.....	.....	1	415
455	1	455	.....	.....	1	455	.....	.....
460	.....	.....	.....	.....	.....	.....	1	460
485	1	485	1	485	3	1,445	3	1,455
495	2	990	.....	.....	.....	.....	.....	.....
500	1	500	.....	.....	1	500	1	500
520	.....	.....	.....	.....	.....	.....	.....	.....
530	2	1,060	.....	.....	.....	.....	.....	.....
555	2	1,110	.....	.....	2	1,110	.....	.....
560	.....	.....	.....	.....	1	560	.....	.....
575	1	575	.....	.....	.....	.....	.....	.....
585	1	585	.....	.....	.....	.....	.....	.....
595	1	595	.....	.....	.....	.....	.....	.....
600	.....	.....	.....	.....	.....	.....	1	600
615	.....	.....	1	615	.....	.....	.....	.....
645	.....	.....	1	645	.....	.....	1	645
660	.....	.....	.....	.....	1	660	.....	.....

## SESSIONAL PAPER No. 20

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.
675	1	675			1	675		
690					1	690		
719					1	719	2	1,438
739					1	739		
742	1	742	1	742			1	742
771					1	771	1	771
802	1	802	1	802	1	802		
870					2	1,740	1	870
882			1	882				
908			1	908	1	908		
929					3	2,787		
940					4	3,760	1	940
959					3	2,877		
977	1	977	1	977	1	977		
989	2	1,978	1	989	3	2,967		
994	2	1,988					1	994
1,023	1	1,023			1	1,023		
1,029					1	1,029		
1,035	1	1,035			1	1,035		
1,041			1	1,041	1	1,041		
1,054					2	2,108		
1,078					1	1,078		
1,118	1	1,118						
1,160	1	1,160			2	2,236		
1,172	4	4,688			1	1,172		
1,202	2	2,404						
1,203					1	1,203		
1,330					1	1,330		
1,425					2	2,850		
1,441	1	1,441			3	4,323		
1,547					1	1,547		
1,550					3	4,650		
1,565					1	1,565		
1,906					1	1,906		
1,913					1	1,913		
Total . . .	128	32,253	39	11,189	117	60,859	62	14,163

## ST. LAWRENCE CANALS.

8	64	512	7	56	7	56	1	8
10	10	100	4	40				
15	11	165	2	30				
20	5	100	3	60	1	20		
25	13	325	1	25	2	50		
30	3	90	2	60				
35	5	175	1	35	2	70	2	70
40	2	80	3	120	1	40	1	40
45	2	90	2	90	1	45		
50	5	250	4	200			2	100
55	2	110	1	55				
60	2	120	4	240	2	120		
65	2	130	1	65	1	65		
70	5	350	5	350				
75	1	75	6	450				
80			3	240				

5-6 EDWARD VII., A. 1906

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1904.

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.
85	6	510	3	255	1	185	7	595
90	3	270	6	540			14	1,260
95	1	95	2	190	1	95	42	3,990
100	3	300	12	1,200	1	100	4	400
105	1	105	11	1,155	1	105		
110			4	440			6	660
115			11	1,265				
120			6	720	1	120		
125		125	1	125	1	125		
130			6	780				
135	1	135	5	675				
140			6	840				
145	1	145	10	1,450	1	145		
150	2	300	19	2,850			5	750
155	1	155	13	2,015				
160			8	1,280			2	320
165			6	990				
170			3	510				
175			1	175				
180			1	180				
185			1	185				
190			4	760				
195	1	195						
215	1	215						
225	1	225	5	1,125				
230			1	230				
235	1	235	2	470				
245			1	245				
250	1	250	1	250				
255	1	255	1	255				
260	1	260	1	260				
265			1	265				
275			1	275				
280	1	280			1	280		
285	2	570	3	855			1	255
290			1	290				
295			2	590			1	295
300			4	1,200				
305			1	305				
310			3	930				
315	1	315						
320			3	960				
330			2	660				
335			5	1,675				
340	1	340	1	340				
345			1	345			1	345
360	1	360	3	1,080				
365			3	1,095				
370	2	740	2	740				
375	1	375	1	375				
385			2	770				
395			1	395				
400			1	400	1	400		
410	1	410						
412	1	412						
418			1	418				
419			1	419				
434			1	434				
435							1	435
438	1	438						

## SESSIONAL PAPER No. 20

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1904.

## 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.
439							1	439
442			1	444				
450			1	450				
454			1	454				
470	1	470						
473							1	473
475			2	950				
480	1	480						
481			1	481				
484	1	484						
487			1	487				
499			1	499				
500	1	500						
502	1	502						
508	1	508						
516			2	1,032				
518			1	518				
521			1	521				
541	1	541						
544	1	544	1	544				
548	1	548						
567			1	567				
576	1	576						
578			3	1,734				
586			2	1,172				
590			1	590				
599	1	599						
600	2	1,200					3	1,800
603	1	603						
607			2	1,214				
648	1	648						
677	1	677						
680	1	680						
681			1	681				
719					1	719		
740			1	740				
742			1	742				
771	1	771						
810					1	810		
814					1	814		
919					2	1,838		
920					1	920		
929					1	929		
944					2	1,888		
955					1	955		
969			1	969				
970			1	970				
977	1	977						
987							3	2,961
989	1	989						
992	1	992						
996	1	996			1	996		
999	1	999			1	999		
1,010	1	1,010						
1,019	1	1,019						
1,020	1	1,020						
1,038	1	1,038						
1,142	3	3,426						
1,147					1	1,147		
1,171			1	1,171				

5-6 EDWARD VII., A. 1906

No. (A) 20.—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1904.  
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.
1,184			1	1,184				
1,190	1	1,190						
1,197	1	1,197						
1,365					1	1,365		
1,375					1	1,375		
1,913					1	1,913		
1,937					1	1,937		
	203	37,338	273	56,459	43	20,626	98	15,226

RIDEAU, OTTAWA AND CHAMBLY CANALS.

8	126	1,608	120	960	12	96		
10	19	190	15	150	3	30		
15	12	180	10	150	1	15		
20	7	140	17	340	2	40		
25	2	50	7	175	1	25		
30	2	60	1	30	2	60		
35	2	70	2	70	2	70		
40	1	40	2	80				
45	2	90	3	135				
50	5	250	6	300				
55	2	110	2	110				
60	1	60	3	180				
65			1	65				
70	3	210	1	70				
75							2	150
80	1	80	2	160			6	480
85			1	85			20	1,700
90			2	180			97	8,730
95	1	95	3	285			265	25,175
100	1	100	7	700			51	5,100
105			1	105			32	3,360
110	1	110	2	220			46	5,060
115			3	345			8	920
120			3	360			6	720
125			2	250			2	250
130			2	260			2	250
135	1	135	3	405			2	270
140			7	980				
145			11	1,595			1	145
150	1	150	20	3,000				
155	1	155	18	2,790				
160			5	800				
165			5	825				
170	1	170	2	340				
175			1	175				
180	1	180	2	360				
195	1	195	1	195				
225			2	450				
230			1	230				
260	1	260						
265			1	265				
275			1	275				
295	1	295						
575	1	575						
397			1	397				
635			1	635				
Total....	197	4,958	300	19,482	23	336	540	52,310



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 1904.

WELLAND CANAL.

CANADIAN.						UNITED STATES.					
Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,441 tons...	38	28,961	1	250 to 1,041 tons...	15	9,691	1	250 to 994 tons...	23	12,330
2	200 " 249 " .....	2	440	2	200 " 249 " .....	1	230	2	200 " 249 " .....	...	...
3	150 " 199 " .....	4	635	3	150 " 199 " .....	5	876	3	150 " 199 " .....	3	580
4	100 " 149 " .....	3	340	4	100 " 149 " .....	...	...	4	100 " 149 " .....	1	130
5	50 " 99 " .....	10	1,665	5	50 " 99 " .....	3	190	5	50 " 99 " .....	6	400
6	Under 50 " .....	71	1,192	6	Under 50 " .....	15	298	6	Under 50 " .....	29	523
	Total.....	128	32,253		Total.....	39	11,189		Total.....	62	14,163

ST. LAWRENCE CANALS.

1	250 to 1,592 tons...	48	31,781	1	250 to 1,184 tons...	76	33,693	1	250 to 1,937 tons...	19	19,285	1	250 to 987 tons...	12	7,933
2	200 " 249 " .....	3	475	2	200 " 249 " .....	9	2,070	2	200 " 249 " .....	...	...	2	200 " .....	...	...
3	150 " 199 " .....	4	650	3	150 " 199 " .....	56	8,945	3	150 " 199 " .....	...	...	3	150 " .....	7	1,070
4	100 " 149 " .....	6	685	4	100 " 149 " .....	72	8,650	4	100 " 149 " .....	5	595	4	100 " .....	10	1,060
5	50 " 99 " .....	22	1,600	5	50 " 99 " .....	31	2,385	5	50 " 99 " .....	5	465	5	50 " .....	63	5,845
6	Under 50 " .....	120	1,887	6	Under 50 " .....	29	716	6	Under 50 " .....	14	281	6	Under 50 " .....	6	218
	Total.....	203	37,33		Total.....	273	56,459		Total.....	43	29,626		Total.....	98	15,236

RIDEAU, OTTAWA AND CHAMBLEY CANALS.

1	250 to 575 tons...	3	1,130	1	250 to 635 tons...	4	1,572	1	250 to — tons...	...	...	1	250 to — tons...	...	...
2	200 " 249 " .....	...	...	2	200 " 249 " .....	3	680	2	200 " 249 " .....	...	...	2	200 " 249 " .....	...	...
3	150 " 199 " .....	5	830	3	150 " 199 " .....	54	8,485	3	150 " 199 " .....	...	...	3	150 " 199 " .....	...	...
4	100 " 149 " .....	3	345	4	100 " 149 " .....	41	5,220	4	100 " 149 " .....	...	...	4	100 " 149 " .....	150	16,075
5	50 " 99 " .....	13	805	5	50 " 99 " .....	21	1,435	5	50 " 99 " .....	...	...	5	50 " 99 " .....	336	36,235
6	Under 50 " .....	173	1,828	6	Under 50 " .....	177	2,090	6	Under 50 " .....	23	336	6	Under 50 " .....	...	...
	Total.....	197	4,958		Total.....	300	19,482		Total.....	23	336		Total.....	540	52,310

DEPARTMENT OF RAILWAYS AND CANALS,

OTTAWA, July 8, 1905.

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.	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.
<i>Class No. 1.</i>																		
Vessel, steam..... per ton	0	01 $\frac{1}{2}$	0	01 $\frac{1}{2}$	0	02 $\frac{1}{4}$	0	00 $\frac{3}{4}$	0	00 $\frac{3}{4}$	0	01 $\frac{1}{4}$	0	00 $\frac{5}{8}$	0	01 $\frac{1}{2}$	0	0 $\frac{3}{4}$
" sail and other.....	0	02 $\frac{1}{4}$	0	02 $\frac{1}{4}$	0	03 $\frac{3}{4}$	0	01 $\frac{1}{2}$	0	01 $\frac{1}{4}$	0	02 $\frac{1}{4}$	0	01	0	02 $\frac{3}{8}$	0	0 $\frac{1}{4}$
<i>Class No. 2.</i>																		
Passengers, 21 years of age and upwards...	0	10	0	10	0	20	0	10	0	05	0	08	0	02 $\frac{1}{4}$	0	09 $\frac{3}{4}$	0	1 $\frac{1}{4}$
" under 21 years each.....	0	05	0	05	0	10	0	05	0	02	0	04	0	01 $\frac{1}{4}$	0	04 $\frac{1}{2}$	0	0 $\frac{3}{8}$
<i>Class No. 3.</i>																		
Bricks, cement and water lime.....	15	0	20	0	20	0	15	0	10	0	07	0	06	0	19 $\frac{3}{4}$	0	1 $\frac{1}{8}$	
Clay, lime and sand.....																		
Brimstone.....																		
Corn.....																		
Flour.....																		
Iron, railway.....																		
" pig.....																		
" all other, including steel (O.C., Feb. 1, 1888).....																		
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.....																		
<i>Class No. 4.</i>																		
All other articles not enumerated.....	0	15	20		0	20	0	20	0	10	0	26	0	14	0	29	0	2 $\frac{1}{2}$

SESSIONAL PAPER No. 20

## REVENUE.

## TARIFF OF TOLLS.

OF THE DOMINION OF CANADA, 1902.—(1904—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 Charge- able at Fenelon Falls.	Tolls Charge- able at Bobcaygeon.	Tolls Charge- able at Buckhorn.	Tolls Charge- able at Burleigh.	Tolls Charge- able at Fenelon Falls.	
§ cts.	§ cts.	§ cts.	§ cts.	§ cts.	§ cts.
0 00 $\frac{3}{16}$ 0 00 $\frac{1}{4}$	0 00 $\frac{3}{16}$ 0 00 $\frac{1}{4}$	0 00 $\frac{3}{16}$ 0 00 $\frac{1}{4}$	0 00 $\frac{3}{16}$ 0 00 $\frac{1}{4}$	0 00 $\frac{3}{4}$ 0 01	0 00 $\frac{3}{16}$ 0 00 $\frac{1}{4}$
01 0 00 $\frac{1}{2}$	0 01 0 00 $\frac{1}{2}$	0 01 0 00 $\frac{1}{2}$	0 01 0 00 $\frac{1}{2}$	0 04 0 02	0 01 0 00 $\frac{1}{2}$
01	01	01	01	0 04	0 01
0 03	0 03	0 03	0 03	0 12	0 03



## 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 Charge- able at Fenelon Falls.	Tolls Charge- able at Babcaeygeon.	Tolls Charge- able at Buckhorn.	Tolls Charge- able at Burleigh.	Tolls Charge- able at Fenelon Falls.	Tolls Charge- able at Peterborough and Hastings.
\$ cts.	\$ cst.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
0 01	0 01	0 01	0 01	0 04	0 01
0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 01	0 00 $\frac{1}{4}$
0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 01	0 00 $\frac{1}{2}$
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 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$
0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 00 $\frac{1}{4}$	0 01	0 00 $\frac{1}{4}$
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 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 03	0 00 $\frac{3}{4}$
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 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 03	0 00 $\frac{3}{4}$
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 05 $\frac{1}{2}$	0 05 $\frac{1}{2}$	0 05 $\frac{1}{2}$	0 05 $\frac{1}{2}$	0 22	0 05 $\frac{1}{2}$
0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 00 $\frac{1}{2}$	0 02	0 00 $\frac{1}{2}$
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 03 $\frac{1}{2}$	0 03 $\frac{1}{2}$	0 03 $\frac{1}{2}$	0 03 $\frac{1}{2}$	0 14	0 03 $\frac{1}{2}$
0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 00 $\frac{3}{4}$	0 03	0 00 $\frac{3}{4}$
Free.	Free.	Free.	Free.	Free.	Free

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*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 traffic 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. WILSON & CO. PRINTERS

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.

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## 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.....	1 1/2
2. From Chippawa Cut, or any part thereof, to Dunnville, Port Maitland or Port Colborne.....	1 1/2
3. From Dunnville to Port Colborne.....	1 1/2
4. From Thorold to St. Catharines or Port Dalhousie.....	1 1/2
5. From Maitland, Dunnville, Colborne or Port Robinson to Marshville and intermediate places.	2 1/2
6. From Marshville or intermediate places to Port Maitland, Dunnville, Port Colborne and Port Robinson.....	2 1/2
7. From Port Robinson to Allanburg or Thorold.....	2 1/2
8. From Port Robinson to St. Catharines or Port Dalhousie.....	2 1/2
9. From St. Catharines to Port Dalhousie.....	1 1/2
10. From Dunnville to Maitland.....	1 1/2
11. From Port Robinson through the Lock and Chippawa Cut.....	1 1/2
12. From Port Colborne to Port Maitland.....	1 1/2
13. From Chippawa Cut through Lock to Port Robinson.....	1 1/2
14. From Colborne, Dunnville, Maitland and Marshville to Thorold.....	2 1/2
15. From Colborne, Dunnville, Maitland and Marshville to St. Catharines.....	2 1/2
16. Through the Chippawa Cut only.....	1 1/2
17. Through the Port Robinson Lock only.....	1 1/2

*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.....	3
Vessels and property passing from Chambly to St. Johns, to pay.....	3

*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.

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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	
Biscuit and crackers, 9 barrels. ....	1	board measure .....	1
Bricks, common, 1,000. ....	2	Boat knees, 4. ....	1
Butter, 22 kegs or 7 barrels. ....	1	Firewood, 1 cord .....	3
Cattle, 3. ....	1	Hop poles, 60 or 40 cubic feet. ....	1
Cement and water lime, 7 barrels. ....	1	Shingles, 12 M. or bundles. ....	1
Fire-bricks, 1,000. ....	3	Split posts and fence rails, 1 mille. ....	1
Fish, 7 barrels. ....	1	Staves and headings, pipe, 1 mille. ....	8
Flour, 9 barrels. ....	1	" " W. India, 1 mille. ....	4
Gypsum and manganese, 6 barrels. ....	1	" " barrel, 1 mille. ....	2½
Horses, 2 .....	1	" " salt barrel, 1 mille. ....	0½
Lard and tallow, 7 barrels or 22 kegs. ....	1	Saw-logs, standard, 1 .....	0½
Liquors and spirits, 215 gallons. ....	1	Square timber, 50 cubic feet .....	1
Liquids, all others, 215 gallons. ....	1	Telegraph poles, 10, or 40 cubic feet. ....	1
Nuts, 9 barrels. ....	1	Masts and spars, 40 cubic feet. ....	1
Oysters, 6 barrels. ....	1	Railroad ties, 16, or 50 cubic feet. ....	1
Pork, 7 barrels. ....	1	All other woodenware, or partly manufac-	
Refined oil in bulk, 250 gals., O.C., July 24, '00.	1	tured wood, 40 cubic feet as per tariff. ....	1
Salt, 7 barrels. ....	1	Traverses, 40 cubic feet, or 5 pieces. ....	1
Seeds, 9 barrels. ....	1	Floats, 50 lineal feet .....	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
Iron, bars " \ per hhd., 10 cents; per qr. cask. ....	7
Iron, pig " per ton .....	24
Salt, except at the St. Gabriel sheds " .....	12
Salt at the St. Gabriel sheds, Montreal, after the first 48 hours " per 100 minots. ....	36
Bales, crates, cases, &c. " per bag .....	½
Coals " per ton weight or measurement. ....	24
	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.



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(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.

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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., 3½ 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 enterin 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 flattened, 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	3	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 (a.) The above rates shall also apply to the Welland Canal. (O.C. June 8th, 1901.)

## CHARGES FOR WINTERING VESSELS IN RIDEAU CANAL.

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

## CHARGES FOR REPAIRING VESSELS ON THE BANKS OF CANALS.

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## 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,  $2\frac{1}{2}$  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.

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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  $7\frac{1}{2}$  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 .....	<u>1,223¼</u>
To Duluth.....	1,357
Chicago.....	<u>1,286</u>

*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.

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## 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 } at two locks. . . . .	18 "
} at three locks. . . . .	14 "
Average width of new canal. . . . .	150 "



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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
{ 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 "



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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 }	2-270 by 45.
{ a guard lock. }	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 $\frac{1}{8}$ 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 (formerly 3)...		2
Number of locks {	lift..... 26	25
	guard..... 1	1
Dimensions.....	{ 1 lock 200 x 45	{ 270 feet x 45 feet.
	{ 1 lock 200 x 45	
	{ 1 (tidal) 230 x 45	
	{ 24 locks 150 x 45	
Total rise or lockage	326 $\frac{3}{4}$ feet.... 326 $\frac{3}{4}$ feet	326 $\frac{3}{4}$ feet.
Depth of water on sills.....	10 $\frac{1}{2}$ "	14

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## 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.
Breadth 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

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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 245 $\frac{3}{4}$  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.	Interme- diate Distance.	Total Distance, from Montreal.
	Miles.	Miles.
The Lachine Canal.....	8 $\frac{1}{2}$	
From Lachine to Ste. Anne's lock .....	15	23
Ste. Anne's lock and piers.....	$\frac{1}{8}$	23
Ste. Anne's lock to Carillon canal.....	27	50
The Carillon canal.....	3	51
The Carillon to Grenville Canal .....	6 $\frac{1}{4}$	57
The Grenville canal.....	$\frac{3}{4}$	63
From the Grenville canal to entrance of Rideau navigation.....	56	119
Rideau navigation ending at Kingston.....	126 $\frac{1}{4}$	245

## STE. ANNE'S LOCK.

	Old Lock.	New Lock.
Length of canal.....	$\frac{1}{8}$ mile.	$\frac{1}{8}$ 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, 23 $\frac{1}{2}$  miles from Montreal harbour.

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## 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...	$\left\{ \begin{array}{l} 35 \text{ ascending.} \\ 14 \text{ descending.} \end{array} \right.$
Total lockage.....	$446\frac{1}{2}$ feet $\left\{ \begin{array}{l} 282\frac{1}{4} \text{ rise and} \\ 164 \text{ fall} \end{array} \right.$ 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.	$\left\{ \begin{array}{l} 60 \text{ feet in earth.} \\ 54 \text{ feet in rock.} \end{array} \right.$
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.....	$\left\{ \begin{array}{l} 40 \text{ " in rock.} \\ 60 \text{ " in clay.} \end{array} \right.$

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 between Sorel and New York :—

Section of Navigation.	Interme- diate 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 “

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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.

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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	—
	<hr/> 132¼	<hr/> 32¾
Total distance, Bay of Quinté to a point across Balsam lake. .		165
From Sturgeon Point on Sturgeon lake, 48¾ miles from Lake- field, the branch through the town of Lindsay to Port Perry at the head of Lake Scugog.....		<hr/> 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 Katchewanoe up to Young's Point.

At Young's Point, 5 miles from Lakefield, the dam between Lake Katchewanoe 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" " "
- " " Chisholms. . . . 134' x 33' x 5' 0" to 8' 6" " "

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## 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.



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## 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.	
			Inter- mediate.	Total to Straits of Belle-Ile.
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.....	8 $\frac{1}{2}$	994 $\frac{1}{2}$
Lachine.....	Beauharnois .....	Lake St. Louis.....	15 $\frac{1}{2}$	1,009 $\frac{3}{4}$
Beauharnois.....	Ste. Cécile.....	Beauharnois Canal .....	11 $\frac{1}{2}$	1,021
Ste. Cécile.....	Cornwall .....	Lake St. Louis.....	32 $\frac{1}{2}$	1,053 $\frac{1}{2}$
Cornwall.....	Dickinson's Landing.....	Cornwall Canal.....	11 $\frac{1}{2}$	1,065 $\frac{1}{2}$
Dickinson's Landing.....	Farran's Point.....	River St. Lawrence.....	5	1,070 $\frac{1}{2}$
Farran's Point.....	Upper end of Croyle's Island.....	Farran's Point.....	$\frac{3}{4}$	1,071
Upper end Croyle's Island.	Williamsburg or Morrisburg.....	River St. Lawrence.....	10 $\frac{1}{2}$	1,081 $\frac{1}{2}$
Williamsburg.....	Rapide Plat .....	Rapide Plat Canal .....	4	1,085 $\frac{1}{2}$
Rapide Plat.....	Point Iroquois Village.....	River St. Lawrence.....	4 $\frac{1}{2}$	1,090
Point Iroquois Village.....	Upper end Presqu'île .....	Point Iroquois Canal .....	3	1,093
Presqu'île.....	Point Cardinal, Edwardsburg ..	Junction Canal.....	2 $\frac{1}{2}$	1,095 $\frac{1}{2}$
Point Cardinal .....	Head of Galops Rapids.....	Galops Canal.....	2	1,097 $\frac{1}{2}$
Galops Rapids .....	Prescott .....	River St. Lawrence.....	7 $\frac{1}{2}$	1,105
Prescott .....	Kingston.....	" .....	59	1,164
Kingston.....	Port Dalhousie.....	Lake Ontario.....	170	1,334
Port Dalhousie.....	Port Colborne .....	Welland Canal.....	26 $\frac{3}{4}$	1,360 $\frac{3}{4}$
Port Colborne.....	Amherstburg .....	Lake Erie .....	232	1,592 $\frac{1}{4}$
Amherstburg.....	Windsor .....	River Detroit.....	18	1,610 $\frac{3}{4}$
Windsor.....	Foot of St. Mary's Island.....	Lake St. Clair.....	25	1,635 $\frac{3}{4}$
Foot of St. Mary's Island.....	Sarnia .....	River St. Clair.....	33	1,668 $\frac{3}{4}$
Sarnia.....	Foot of St. Joseph's Island.....	Lake Huron .....	270	1,938 $\frac{3}{4}$
Foot of St. Joseph's Island.....	Foot of Sault Ste. Marie.....	River St. Mary.....	47	1,985 $\frac{3}{4}$
Sault Ste. Marie.....	Head of Sault Ste. Marie.....	Sault Ste. Marie Canal..	1	1,986 $\frac{3}{4}$
Head of Sault Ste. Marie.....	Pointe aux Pins .....	River St. Mary.....	7	1,993 $\frac{3}{4}$
Pointe aux Pins .....	Port Arthur.....	Lake Superior.....	266	2,259 $\frac{3}{4}$
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 2,259 $\frac{3}{4}$  miles from the Straits of Belle-Ile to the head of Lake Superior, 71 miles are artificial navigation, and 2,188 $\frac{3}{4}$  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.

5-6 EDWARD VII., A. 1906

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 Arti- ficial 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.....	4½	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.....	14½	3	27 0	3	850	68	0'13
6	Burritt's.....	40½	1	10 6	1	240	14	1'50
7	Nicholson.....	43½	2	15 2	1	500	9	0'50
8	Clowes.....	44½	1	10 0	1	481	16	0'05
9	Merrickville.....	46½	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 Sly's.....	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.....	83½	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.....	97½	4	60 0	1	360	60	0'25
20	Brewer's Upper Mills.....	108½	2	19 0	1	200	20	1'75
21	" Lower Mills.....	110	1	14 2	1	200	12	4'25
22	Kingston Mills.....	120½	4	46 8	1	6,042	14	0'25
23	Kingston.....	126½						
Total fall at low water.....				165 4				
Total.....			47		24	15,472		16'46

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