

8-9 EDWARD VII.

SESSIONAL PAPER No. 20a

A. 1909

DEPARTMENT OF RAILWAYS AND CANALS

CANAL STATISTICS

FOR THE

SEASON OF NAVIGATION

1907

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

PRINTED BY S. E. DAWSON, PRINTER TO THE KING'S MOST
EXCELLENT MAJESTY

1908

[No. 20a—1908.]

To His Excellency the Right Honourable Sir Albert Henry George, Earl Grey, Viscount Howick, Baron Grey of Howick, in the County of Northumberland, in the Peerage of the United Kingdom, and a Baronet; Knight Grand Cross of the Most Distinguished Order of Saint Michael and Saint George, &c., &c., &c., Governor General of Canada.

MAY IT PLEASE YOUR EXCELLENCY :

The undersigned has the honour to present to Your Excellency the report on Canal Statistics for the year ended December 31, 1907.

GEO. P. GRAHAM,
Minister of Railways and Canals.

To the Honourable GEORGE P. GRAHAM,
Minister of Railways and Canals.

SIR,—I have the honour to submit the annual report of the Comptroller of Railway Statistics in relation to the operations of the Canals of the Dominion for the year ended December 31, 1907.

I have the honour to be, Sir,
Your obedient servant,

M. J. BUTLER,
Deputy Minister of Railways and Canals.

OFFICE OF THE COMPTROLLER OF RAILWAY STATISTICS,
OTTAWA, 23rd May, 1908.

M. J. BUTLER, Esq.,
Deputy Minister of Railways and Canals.

SIR,—I have the honour to submit herewith Canal statistics for the year ended 31st December, 1907.

The water-borne traffic of the Dominion for the year 1907 was the largest on record. The total volume aggregated 20,543,639 tons, as compared with 10,523,185 tons for the preceding year. This represented an increase of 10,020,454 tons, or 95·2 per cent. For the ten year period the betterment was 13,925,164 tons, or 210·4 per cent—which must be regarded as an exceedingly satisfactory result.

The results for the past five years are as follow :—

1903.....	9,203,917
1904.....	8,256,236
1905.....	9,371,744
1906.....	10,523,185
1907.....	20,543,639

It may be helpful for comparative purposes, to observe the extent to which the traffic of Canadian railways has grown during the same period :—

1903.....	47,373,417 tons.
1904.....	48,097,957 "
1905.....	50,893,957 "
1906.....	57,966,713 "
1907.....	63,866,135 "

The principal expansion during the last year was in the business of the Sault Ste. Marie Canal, which showed an increase of 5,601,943 tons over 1906. As illustrating the growth of traffic through the Canadian canal at Sault Ste. Marie the following figures for the past decade are instructive :—

	1898.	1907.
Canadian registered tonnage.....	403,331	2,288,349
United States registered tonnage.....	2,354,606	9,887,633
Total tonnage.....	2,757,937	12,175,982
Lockages.....	2,520	4,596
Vessel passages.....	3,712	6,153

These results are exceedingly encouraging. They show that while the increase of United States tonnage through the so-called "Soo" canal was 315·6 per cent for the ten-year period, the increase of Canadian tonnage was 467·3 per cent. The betterment

8-9 EDWARD VII., A. 1909

in total traffic for the decade was 341.4 per cent ; and, since the number of passages grew by but 65.7 per cent, it is obvious that the carrying business of the upper lakes is rapidly developing a much larger type of steam vessel than has hitherto been in use. In this respect Canadian forwarders appear to be abreast with their American competitors.

A word or two of explanation may not be out of place at this point : At Sault Ste. Marie there are two canals of nearly equal capacity—one on the United States side of the St. Mary's river, and the other on the Canadian side. Both are free. It is optional with the captain of a vessel to take either canal. Hence, United States steamers pass through the Canadian canal, and Canadian vessels pass through the American canal. The total volume of traffic at that point may, therefore, only be measured by combining the returns of the two canals.

For 1907 the figures are as follow :—

Tonnage, Canadian canal.....	12,175,982
“ United States canal.....	58,217,214
Total	70,393,196

A change in the method of recording statistics will go into effect this year, whereby a discrimination will be made as to the products of either country passing through the canals at Sault St. Marie. Hitherto regard has only been had to the nationality of the vessels. In future a record will be kept of distinctly Canadian cargoes carried by water, and the information ought to be of considerable value. The new rule applies to all canals in the Dominion, although the difficulty of keeping a separate account arises chiefly at Sault St. Marie. This has been overcome by securing the co-operation of the United States authorities at that point. Under this system it will be possible thereafter to show the tonnage of Canadian grain brought down from the west by water, and to follow its course into the interior or to the seaboard.

The following tables in relation to traffic enable comparisons to be made over a period of 21 years :—

SESSIONAL PAPER No. 20a

STATEMENT of total Freight passed through the Canals, for the following Years :—

Years.	FROM CANADIAN TO CANADIAN Ports.		FROM CANADIAN TO UNITED STATES Ports.		FROM UNITED STATES TO UNITED STATES Ports.		FROM UNITED STATES TO CANADIAN Ports.		TONS.		TOTAL TONS.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	
1887.....	336,648	1,154,424	138,632	202,563	151,805	192,528	86,374	457,482	713,519	2,006,997	2,720,516
1888.....	335,165	1,146,260	138,127	174,239	214,407	223,429	81,611	428,357	789,310	2,761,597	2,761,597
1889.....	384,777	1,150,306	122,295	198,497	267,224	300,193	81,243	603,311	855,529	2,258,367	3,115,806
1890.....	361,593	1,137,011	144,368	133,188	216,813	320,324	50,749	563,021	789,506	2,913,047	2,123,542
1891.....	370,120	1,155,247	103,814	123,193	248,188	307,458	50,747	543,259	772,869	2,249,657	2,902,526
1892.....	327,560	1,322,137	173,538	135,737	241,034	302,983	47,396	481,301	789,528	2,242,208	3,031,736
1893.....	351,706	1,344,822	141,602	214,076	247,329	385,769	54,912	506,023	868,023	2,678,906	3,546,989
1894.....	399,155	1,140,606	204,175	89,614	231,172	363,107	46,029	568,866	789,522	2,162,138	2,942,715
1895.....	264,824	1,070,046	286,191	91,177	362,637	608,778	62,285	590,140	975,937	2,380,141	* 3,326,978
1896.....	243,533	1,619,608	100,519	1,197,245	3,538,054	117,385	867,040	1,867,792	6,123,281	7,991,073	7,991,073
1897.....	273,387	1,713,274	268,700	187,960	663,112	4,363,314	108,787	968,206	1,222,216	7,258,751	8,500,967
1898.....	263,989	1,819,887	187,253	98,967	929,508	2,425,121	81,615	912,135	1,362,365	5,256,110	6,618,475
1899.....	206,298	1,833,412	115,133	732,030	2,120,988	125,678	727,111	1,420,280	4,805,644	6,225,924	6,225,924
1900.....	312,201	1,632,915	270,033	81,714	1,339,915	105,165	703,563	1,253,586	3,758,107	5,013,633	5,013,633
1901.....	340,805	1,686,094	268,449	291,231	507,204	1,801,036	177,715	682,065	1,294,173	4,371,086	5,665,259
1902.....	529,085	2,064,480	308,212	342,484	515,828	3,000,636	190,243	562,229	1,543,368	5,969,829	7,513,197
1903.....	648,150	2,391,306	430,174	408,500	863,337	3,130,816	373,456	958,018	2,315,117	6,888,700	9,203,817
1904.....	606,737	2,047,419	511,887	276,578	699,784	2,778,903	483,736	861,063	2,302,203	8,394,033	8,256,236
1905.....	736,976	2,252,514	549,305	347,089	607,228	3,183,805	577,528	1,137,146	2,451,097	6,920,647	9,371,744
1906.....	1,238,929	2,355,835	627,064	234,919	991,508	3,595,256	482,239	997,385	3,339,770	7,183,415	10,523,185
1907.....	1,034,733	3,162,158	891,692	226,138	1,991,369	11,060,878	1,356,712	819,369	4,731,753	15,803,886	20,343,639

* Sault Ste. Marie canal opened in August, 1895.

STATEMENT of the Tonnage of Canadian and United States Vessels for the following years:—

CANADIAN VESSELS.

Years,	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.	Number of Vessels.	
	Up.		Down.	Up.		Down.	Up.		Down.	Up.		Down.	Up & Down.					
1887.....	1,201,529	1,194,665	162,554	36,277	1,071	65	30,778	221,013	1,395,932	1,452,020	2,847,952	18,99						
1888.....	1,113,290	1,120,774	158,209	34,368	1,252	.....	22,553	189,876	1,295,304	1,345,018	2,640,322	17,661					
1889.....	1,286,574	1,207,892	188,131	31,371	976	802	20,271	252,565	1,494,932	1,500,630	2,995,582	19,393						
1890.....	1,314,127	1,250,999	229,478	32,909	929	351	14,003	296,676	1,558,537	1,580,935	3,139,472	20,655						
1891.....	1,356,518	1,287,168	201,758	28,642	550	292	16,350	244,176	1,575,176	1,560,278	3,135,454	19,246						
1892.....	1,517,249	1,400,306	177,136	23,184	1,466	394	14,659	201,374	1,710,510	1,691,455	3,401,965	21,177						
1893.....	1,548,094	1,422,326	170,186	26,787	1,172	10	17,037	248,442	1,736,389	1,697,565	3,431,054	20,757						
1894.....	1,319,792	1,260,907	217,635	19,298	2,177	5	6,394	222,696	1,545,968	1,502,906	3,048,904	19,027						
1895.....	1,258,848	1,165,682	253,693	13,383	.....	.....	5,899	285,533	1,518,440	1,464,619	2,985,039	17,136					
1896.....	1,547,757	1,420,342	200,292	5,234	157	.....	4,115	271,809	1,732,321	1,697,385	3,449,706	20,976					
1897.....	1,629,192	1,482,951	215,785	11,378	.....	.....	3,533	207,898	1,792,227	1,740,737	21,466						
1898.....	1,704,661	1,649,255	215,393	4,927	493	518	6,895	255,927	1,927,348	1,870,927	3,797,985	21,309						
1899.....	1,863,643	1,774,789	242,817	32,436	925	3,691	42,290	346,980	2,151,675	2,150,886	4,308,571	23,579						
1900.....	1,797,293	1,681,340	205,926	14,922	2,909	64	38,015	358,781	2,074,143	2,055,107	4,129,250	21,755						
1901.....	1,615,952	1,587,221	279,007	82,541	3,300	2,908	97,332	312,603	1,965,591	1,984,673	3,980,264	20,860						
1902.....	1,914,167	1,840,787	241,356	97,492	1,874	2,164	101,335	286,520	2,928,732	2,926,363	4,485,635	22,198						
1903.....	2,061,258	2,088,969	340,383	13,614	7,018	3,082	188,896	379,612	2,597,555	2,615,277	5,212,882	23,767						
1904.....	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	21,851						
1905.....	2,059,097	2,031,766	312,773	188,138	11,820	3,191	262,401	322,005	2,646,691	2,545,100	5,191,191	23,726						
1906.....	2,271,776	2,264,476	292,705	153,595	24,420	5,506	202,276	309,367	2,791,477	2,735,144	5,526,321	25,498						
1907.....	2,661,317	2,661,948	337,822	129,246	9,153	7,331	238,172	383,922	3,147,095	3,181,816	6,328,911	28,833						

CANAL STATISTICS

SESSIONAL PAPER No. 20a

STATEMENT of the Tonnage of Canadian and United States Vessels, for the following years:—

UNITED STATES VESSELS.

YEARS.	From CANADIAN TO CANADIAN Ports,		From CANADIAN TO UNITED STATES Ports,		From UNITED STATES TO UNITED STATES Ports,		From UNITED STATES TO CANADIAN Ports,		Tons,		Total Tons. Up & Down.	Number of Vessels.		
	Up.		Down.		Up.		Down.		Up.					
	Montée.	Down.	Montée.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
1887.....	16,295	17,925	38,857	56,708	143,730	140,562	52,733	98,849	251,646	315,035	566,680	3,883		
1888.....	14,304	26,801	42,425	50,047	177,714	156,046	49,778	114,613	284,221	347,556	631,777	3,921		
1889.....	21,125	26,449	55,946	50,732	253,088	206,567	56,249	160,442	386,458	444,190	830,648	4,542		
1890.....	10,390	16,345	38,156	36,397	248,418	238,728	39,736	97,266	336,661	384,734	721,397	3,364		
1891.....	10,357	29,851	70,665	27,727	283,013	238,818	31,083	146,602	315,118	442,998	838,116	3,602		
1892.....	12,023	29,405	88,221	22,763	229,437	229,315	37,037	117,594	417,506	454,199	871,745	3,928		
1893.....	10,752	34,303	214,047	33,741	353,994	282,724	50,994	307,740	627,787	658,508	1,286,295	4,583		
1894.....	18,328	30,201	139,720	20,830	302,562	269,788	37,406	192,942	498,216	513,811	1,012,027	4,131		
1895.....	8,838	138,554	24,768	17,712	262,240	216,542	32,295	185,730	441,927	444,732	886,679	4,427		
1896.....	11,496	19,093	195,228	21,953	357,295	292,359	40,416	290,370	694,345	623,775	1,228,126	4,650		
1897.....	14,646	18,367	263,430	17,618	338,938	277,345	26,341	347,638	649,375	661,028	1,310,403	4,075		
1898.....	12,142	9,541	233,624	32,880	308,878	305,464	32,331	336,004	686,875	683,889	1,270,764	4,264		
1899.....	15,217	18,044	172,897	30,002	1,605,887	1,156,563	51,902	234,336	1,846,848	1,285,733	6,101			
1900.....	13,316	17,824	157,689	30,443	1,208,725	744,276	45,741	190,971	1,425,471	983,514	2,408,985	5,502		
1901.....	11,587	18,706	177,169	28,124	922,404	1,04,707	51,885	234,622	1,106,115	1,316,159	2,482,274	5,634		
1902.....	13,622	37,871	187,826	70,641	1,756,948	1,654,672	123,257	241,602	2,081,653	2,004,786	4,086,439	6,433		
1903.....	14,014	24,168	265,208	65,247	1,736,187	1,689,414	106,401	335,836	2,121,810	2,114,665	4,236,475	6,636		
1904.....	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	6,253		
1905.....	19,743	19,444	364,985	81,876	2,350,494	1,701,794	101,536	456,459	2,886,758	2,259,483	5,096,241	7,085		
1906.....	34,306	15,324	356,259	78,561	2,738,623	1,928,131	115,675	418,436	3,244,863	2,440,452	5,685,315	7,319		
1907.....	57,349	72,018	304,591	72,048	4,730,053	5,376,060	205,769	623,941	5,463,767	6,141,067	11,604,834	9,328		

Articles,	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.	1897.
1. Bricks	13,635	10,299	12,359	14,273	12,001	14,727	10,725	9,122	10,855	10,903
2. Cement	16,878	6,432	3,164	5,406	4,822	10,734	10,531	9,652	7,829	12,820
3. Iron (all kinds)	32,756	44,186	39,798	23,107	17,986	30,197	25,887	28,471	30,334	41,949
4. Steel	39	10,056	198	7,067	3,606	1,258	1,565	2,759	13,716	6,854
5. Stone for cutting	13,208	19,930	13,891	13,750	3,972	357	106	1,243	1,350	1,713
6. Apples	3,387	3,695	4,329	7,566	7,190	3,929	5,160	3,473	16,716	5,204
7. Barley	14,185	8,821	27,840	16,594	20,700	29,358	10,186	15,328	19,168	
8. Corn	8,588	202,516	341,261	197,604	196,913	450,339	173,269	338,092	385,753	
9. Flour	23,830	11,416	20,706	20,684	25,746	26,136	43,751	50,343	49,576	15,930
10. Hay pressed	4,740	3,617	3,623	5,648	5,807	12,100	18,090	22,121	10,973	5,990
11. Meals (all kind)	12,643	20,313	22,211	27,021	33,097	37,272	61,426	48,008	47,889	44,014
12. Oats	30,529	31,977	33,857	64,300	90,682	53,620	30,957	20,158	48,962	82,527
13. Potatoes	779	632	880	814	950	417	252	232	394	1,528
14. Seeds	3,405	10,804	2,273	10,273	5,776	6,193	4,612	182	5,645	1,576
15. Agric. Products Vegetables.	9,100	4,026	21,901	10,700	8,321	15,639	10,589	1,484	5,811	6,945
16. Cattle	967	950	1,303	1,220	879	788	808	723	877	1,199
17. Horses	638	610	728	638	844	773	774	2,568	931	878
18. Pork	1,078	1,571	1,190	1,162	870	608	1,331	811	1,177	945
19. Sheep	709	542	633	699	662	528	675	793	613	646
20. Marble	4,639	4,502	4,476	3,500	3,214	2,168	853	898	32	534
21. Sugar	10,423	9,160	8,624	4,112	9,886	13,246	31,586	16,050	23,737	14,243
22. Whisky	1,347	1,416	1,580	1,681	1,335	1,050	1,183	1,498	1,054	
23. Firewood	135,048	100,636	109,785	115,089	169,971	220,516	177,905	202,938	218,204	271,112
24. Lumber sawn	798,449	899,209	745,929	673,020	760,251	671,926	642,742	587,226	600,580	595,522
25. Railway ties	25,966	16,022	10,799	10,165	12,589	9,418	3,926	6,383	4,440	
26. Square timber	48,270	79,791	74,895	25,301	48,983	47,871	48,359	64,875	57,618	86,104
27. Saw logs	43,313	36,927	27,093	36,307	44,156	33,137	29,299	29,075	28,220	40,313
28. Coal	507,155	553,868	470,808	511,729	517,261	637,382	466,234	534,400	379,111	
29. Iron ore	16,872	2,433	5,347	3	Nil.	Nil.	60	490	60	
30. Timber and other woods free	39,500	69,286	72,075	60,247	47,565	66,673	53,221	59,169	45,027	68,017
31. *Wheat, Corn, Flour, Iron, Salt, Coal	306,192	424,915	362,072	403,045	380,934	663,013	408,781	381,518	583,272	635,086
32. Wheat	155,248	185,180	143,962	230,840	301,486	285,799	279,720	209,984	335,469	370,167

* These articles were free, going westward, in the years when tolls were charged, and appear in this grouped form in the Statistics of the Department.

Tonnage of Articles carried through Canadian Canals from 1888 to 1907—Concluded.

SESSIONAL PAPER No. 20a

CANAL STATISTICS

Articles,	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
1. Bricks.....	9,873	11,075	18,343	18,697	17,884	11,086	9,097	23,814	17,713	20,953
2. Cement.....	19,351	6,938	10,628	20,079	22,614	28,600	25,539	31,942	46,619	78,347
3. Iron (all kinds).....	26,379	27,158	46,153	79,415	118,916	125,160	123,121	145,260	218,801	226,167
4. Steel.....	9,387	17,684	8,861	4,043	2,104	8,514	4,360	5,661	4,632	22,710
5. Stone for cutting.....	2,785	6,364	2,432	2,653	3,228	4,961	576	23,511	31,357	35,969
6. Apples.....	3,412	4,480	6,182	1,973	7,695	13,480	11,865	9,216	8,046	8,258
7. Barley.....	15,610	28,353	26,754	27,689	38,137	51,003	75,638	114,226	123,930	154,986
8. Corn.....	624,834	399,915	348,493	186,893	81,645	388,132	189,739	257,387	244,122	410,671
9. Flour.....	38,618	97,545	171,400	367,104	359,484	260,630	378,438	261,937	378,644	378,644
10. Hay pressed.....	5,880	15,492	25,998	38,277	41,137	50,129	32,176	33,354	26,811	25,121
11. Meals (all kind).....	25,680	21,310	17,175	15,812	20,321	29,089	24,174	14,814	27,472	49,612
12. Apples.....	73,079	63,495	96,062	72,578	46,717	60,621	72,723	101,258	205,286	343,984
13. Potatoes.....	1,820	2,528	3,505	4,409	4,802	6,804	5,351	7,429	5,863	6,355
14. Seeds.....	5,783	7,345	3,308	4,602	8,303	6,828	5,477	3,727	4,455	256,679
15. Agric. Products Vegetables.....	3,320	2,932	1,909	2,063	9,178	21,219	2,688	6,470	10,478	10,478
16. Cattle.....	1,615	1,299	972	1,886	1,638	1,236	1,766	1,468	932	592
17. Horses.....	1,064	1,049	1,049	1,192	1,258	1,144	1,605	1,346	1,685	784
18. Pork.....	3,412	2,317	1,074	1,720	1,740	1,483	1,337	1,213	834	1,185
19. Sheep.....	451	336	304	337	743	302	605	616	514	332
20. Marble.....	208	128	2,306	2,223	1,262	1,221	222	2,475	2,575	2,406
21. Sugar.....	17,401	20,238	20,313	11,890	14,333	8,190	9,203	27,275	42,801	62,634
22. Whisky.....	1,929	1,594	1,395	1,572	2,876	5,000	5,396	6,180	9,370	10,682
23. Firewood.....	187,216	212,076	227,108	217,105	307,172	320,765	40,254	423,633	468,133	511,999
24. Launder. sawn.....	595,261	567,109	521,262	472,954	557,607	583,522	476,436	591,928	645,257	533,294
25. Railway ties.....	6,467	16,423	7,587	12,568	7,653	4,663	3,788	7,470	5,668	3,371
26. Square timber.....	50,844	26,288	20,943	32,293	26,281	32,286	43,657	13,215	18,685	37,124
27. Saw logs.....	23,887	13,919	34,684	19,073	24,144	20,540	26,630	58,949	90,929	35,628
28. Coal.....	480,316	468,912	1,028,113	1,033,762	782,633	1,590,565	1,570,113	1,596,935	1,804,974	3,546,683
29. Iron ore.....	13,433	26,220	1,058,032	1,712,330	2,566,279	2,703,827	2,482,181	2,950,340	2,970,637	10,105,016
30. Tumbler and other woods free.....	28,452	32,624	38,296	48,666	68,615	68,487	64,808	68,629	70,015	.....
31. *Wheat, Corn, Flour, Iron, Salt, Coal.....	652,349	454,805	352,469	286,902	395,978	558,807	427,614	553,866	709,320	2,473,202
32. Wheat.....	299,635	325,086	293,638	669,557	1,369,218	1,433,288	1,202,716	1,248,567	1,406,741	1,406,741

* Wheat, corn, flour, iron, salt and coal form grouped item No. 31, although the same commodities appear separately in the list. This was because they were free in the years when tolls were collected. Tolls having been abolished this item hereafter will not appear in the statistical tables in the above form. Item 12 includes flaxseed.

8-9 EDWARD VII., A. 1909

It is gratifying to observe that not only has there been a very large increase in the aggregate volume of freight carried through the canals of Canada, but that a growing proportion of the traffic is in Canadian vessels, and from Canadian ports to Canadian ports. When the plan which is to be inaugurated this year—with respect to the country of origin—has been made effective, it will be possible to give an accurate analysis of the international character of our canal business.

The capital expenditure on the canals of Canada up to 31st March, 1907, aggregated \$91,734,718.21. This is apart from the outlay by the Imperial Government, the records relating to which were lost in the destruction by fire of the Ordnance Office, Montreal, in 1852. The details are as follows :—

Canal.	Construction.	Enlargement.		Total.
		\$	cts.	
St. Peter's.....	648,547 14			648,547 14
Lachine.....	2,589,532 85	9,008,217 93		11,597,750 78
Beauharnois.....	1,636,690 26			1,636,690 26
St. Lawrence River and Canals.....	18,442 85	3,293,397 95		3,311,840 80
Lake St. Louis.....		298,176 11		298,176 11
Lake St. Francis.....		75,906 71		75,906 71
Cornwall	1,945,624 73	5,278,659 97		7,224,284 70
	Farran's Point.....	877,099 57		
Williamsburg.	Galops.....	6,006,626 92		10,373,311 29
	Rapide Plat.....	2,158,242 00		
	Williamsburg.....	10,696 26		
Welland.....	7,693,821 03	19,582,045 37		27,275,869 40
Ste. Anne's.....	134,456 51	1,035,759 12		1,170,215 63
*Carillon and Grenville.....	63,053 64	4,119,039 32		4,182,092 96
Culbute.....	382,776 46			382,776 46
Rideau.....	4,085,889 21			4,085,889 21
St. Ours.....	121,537 65			121,537 65
Chamby.....	637,056 76			637,056 76
Murray.....	1,248,820 26			1,248,820 26
Trent.....	5,430,488 66			5,430,488 66
Tay.....	489,599 23			489,599 23
Sault Ste. Marie.....	4,639,180 62			4,639,180 62
Soulanges.....	6,904,683 58			6,904,683 58
Total.....	39,990,859 98	51,743,858 23		91,734,718 21

Through the much appreciated courtesy of Mr. Collingwood Schreiber, C.M.G., and Mr. Ernest Marceau, C.E., I have been able to present in an appendix certain important historical facts in relation to the canals of Canada which have not heretofore been available.

I have the honour to be, Sir,

Your obedient servant,

J. L. PAYNE,
Compt'r

CANAL STATISTICS FOR SEASON OF NAVIGATION, 1907

For the season of navigation of 1906 and 1907, all the canals were declared free, consequently no tolls were collected for the present year. The statistics as compiled shows the revenue as it would appear if tolls had been collected.

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

REVENUE.

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

For 1906	\$ 379,549 70
For 1907	456,781 86

By comparing the statistics of 1906 with 1907, it will be seen that the gross revenue has increased \$77,232.16.

The increases and decreases are as follows :—

	Increase.	Decrease.
On the Welland Canal	\$ 52,376 23	\$
" St. Lawrence Canals	23,428 21	.....
" Chamblly Canal	5,713 86	.....
" Ottawa Canals .....	.....	5,409 76
" Rideau Canals .....	.....	389 94
" St. Peter's Canal .....	.....	96 40
" Trent Valley Canals	252 36	.....
" Murray Canal	357 60	.....
" Sault Ste. Marie Canal .....	.....	.....
Total	\$ 83,128 26	\$ 5,896 10
Total increase	<u>77,232 16</u>	<u>.....</u>

STATEMENT of the Revenue, together with the increases and decreases of all the Canals for the seasons of Navigation from 1891 to 1907, 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
1905.....	356,405 68	64,728 71	.....
1906.....	379,549 70	23,144 02	.....
1907.....	456,781 86	77,232 16	.....

8-9 EDWARD VII., A. 1909

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-six 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.
1882.	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
1905.	341,431	42,061	129,270
1906.	404,935	33,351	176,119
1907.	635,573	42,032	163,295

* 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, 34,039 tons; in 1903, 40,641 tons; none in 1904, 1905 nor 1906.

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, 1897), 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.

SESSIONAL PAPER No. 20a

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.

For the year 1905, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1906, the canals were declared free of tolls. O.C., April 27, 1903.

For the year 1907, the canals were declared free of tolls. O.C., April 27, 1903.

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

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

During the last decade the quantity of agricultural products as above, passed down the Welland and St. Lawrence Canals to Montreal, has increased from 519,535 tons in 1898 to 635,573 tons in 1907, and the quantity passed down the Welland Canal from United States ports to United States, has increased from 144,612 to 163,295 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 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
1905.....	148,377
1906.....	386,963
1907.....	383,735

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 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
1905.....	375,630
1906.....	449,673
1907.....	684,697

8-9 EDWARD VII., A. 1909

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 1906.....	404,935
1907.....	<u>635,573</u>
Showing an increase of	<u>230,638</u>

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

	Tons.
For 1906.....	386,963
1907.....	<u>383,735</u>
Showing a decrease of	<u>3,228</u>

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

	Tons.
For 1906.....	294,467
1907.....	<u>239,844</u>
Showing a decrease of	<u>54,623</u>

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

	Tons.
For 1906.....	3,942,771
1907.....	<u>3,845,845</u>
Showing a decrease of	<u>96,926</u>

The increases and decreases for 1907 as compared with 1906 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.....		230,638	.....	56·94	.....
" Canadian Pacific and Grand Trunk Railways.....		.....	3,228	.....	'84
" New York Canals .....		.....	54,623	.....	18·55
" " Railways .....		.....	96,926	.....	2·47

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 312,319 tons in 1896 to 256,422 tons in 1907, and the quantity to Ontario ports between Port Dalhousie and Cornwall, and a decrease from 172,950 tons in 1896 to 168,455 tons in 1907. The quantity passed down to Montreal shows an increase from 479,442 tons in 1896 to 789,167 tons in 1907.

SESSIONAL PAPER No. 20a

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—

	Tons.
1893, 146 cargoes, with an aggregate quantity of'	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
1905, 167 "	239,418
1906, 205 "	344,605
1907, 255 "	427,813

In the United States vessels there were—

	Tons.
1893, 257 cargoes, with an aggregate quantity of	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
1905, 235 "	273,344
1906, 178 "	269,800
1907, 263 "	413,087

One hundred and two Canadian and 14 American vessels took cargoes of 168,796 tons through to Montreal intact in 1907; 74 Canadian and 10 American of 108,734 tons in 1906; 96 Canadian and 18 American of 180,206 in 1905; 56 Canadian and 16 American of 116,095 tons 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 1997, 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 1907 and the four previous years is given below.

The total number of grain-laden vessels lightened at this port in 1907 was 93, against 72 the previous year.

The quantity of grain lightened was as follows :—

Articles.	1903.	1904.	1905.	1906.	1907.
	Bush.	Bush.	Bush.	Bush.	Bush.
Wheat.....	670,302	175,117	679,840	1,009,474	1,428,300
Corn.....	834,718	408,976	104,027	110,629	112,036
Rye.....	13,768				
Oats.....	2,765	15,353		29,118	30,824
Barley.....	13,242	9,686		2,103	
Flax Seed.....					39,040

The quantity of wheat discharged at Port Colborne in 1907 and two previous years from vessels which did not enter the canal, is as follows :—

1905.	1906.	1907.
Bush.	Bush.	Bush.
108,459	383,437	74,014

WELLAND CANAL.

The total quantity of freight passed on the Welland Canal during the season of 1907 was 1,614,132 tons ; of this quantity 9,811 tons were way or local freight.

There were 1,223,968 tons of freight passed eastwards, and 390,164 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 1907 was 1,604,321 tons.

Of this quantity 1,214,544 tons were east bound and 389,777 west bound freight.

Of the east bound through freight, Canadian vessels carried 593,384 tons and United States vessels carried 621,160 tons ; and of the west bound through freight Canadian vessels carried 143,456 tons and United States vessels carried 246,321 tons, or a total of 736,840 tons for Canadian and 867,481 tons for American vessels.

ST. LAWRENCE CANALS.

The total quantity of freight passed through these canals during 1907 was 2,100,466 tons ; of this quantity 1,316,354 tons passed eastward and 784,112 passed westward.

East and west bound Through Freight.

The total quantity of through freight was 1,607,257 tons ; of this quantity 1,206,824 tons were east bound and 400,433 tons were west bound.

Way Freight.

Of the total quantity of (way) or local freight 109,530 tons were east bound and 383,679 tons west bound freight.

SESSIONAL PAPER No. 20a

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.
1893.....	508,016	16,545
1894.....	292,191	9,439
1895.....	266,659	10,505
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
1905.....	448,704	72,482
1906.....	554,231	96,791
1907.....	789,167	1,281

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.
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
1905.....	190,547	112,549	303,096
1906.....	237,226	84,205	321,431
1907.....	218,997	177,660	396,657

The total quantity of freight passed through the Welland Canal from United States ports to United States ports shows an increase of 75,226 tons as compared with the previous year ; and a decrease of 235,010 tons as compared with 1893.

8-9 EDWARD VII., A. 1909

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 1907 inclusive:—

Fiscal Year.	Aggregate number of Vessels.	Total quantity transported on the Welland Canal.	Quantity passed from United States ports to United States ports.
	Number.	Tons.	Tons.
1867.....	5,405	933,260	458,386
1868.....	6,157	1,161,821	641,711
1869.....	6,069	1,231,903	688,700
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.....	4,212	1,038,050	477,809
1876.....	4,789	1,099,810	488,815
1877.....	5,129	1,175,398	493,841
1878.....	4,429	968,758	373,738
1879.....	3,960	865,664	284,043
1880.....	4,104	819,934	179,605
1881.....	3,332	686,506	194,173
1882.....	3,334	790,643	282,806
1883.....	3,267	1,005,156	432,611
1884.....	3,138	837,811	407,079
1885.....	2,738	784,928	384,509
1886.....	3,589	980,135	464,478
1887.....	2,785	777,918	340,501
1888.....	2,647	878,800	434,753
1889.....	2,975	1,085,273	563,584
1890.....	2,882	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	789,779	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
1905.....	1,595	1,092,050	305,096
1906.....	1,536	1,201,967	321,431
1907.....	1,982	1,614,132	396,743

SESSIONAL PAPER No. 20a

The total quantity of freight passed through the several divisions of the canals during the season of 1907 is as follows:—

	Farm Stock.	Forest Produce of Wood.	Manufactures.	Merchandise.	Agricultural Products.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland.....	1	170,097	124,035	372,696	947,303	1,614,132
St. Lawrence.....	766	359,833	174,268	741,404	824,195	2,100,466
Chamblly.....	182	482,025	7,578	123,645	11,852	625,282
Ottawa.....	766	271,257	2,333	56,015	7,479	337,850
Rideau.....	8	30,018	7,618	37,807	6,918	82,369
St. Peters.....	4	8,527	3,188	48,330	13,118	73,167
Murray.....	23	2,926	6,073	38,618	4,762	52,402
Trent Valley.....	445	63,128	909	4,447	877	69,806
Sault Ste. Marie.....	51	97,989	223,956	12,933,101	2,333,068	15,588,165

The total quantity of freight moved on the Welland Canal was 1,614,132 tons, of which 947,303 tons were agricultural products.

On the St. Lawrence canals the total quantity of freight moved was 2,100,466 tons, of which 824,195 were agricultural products, and 741,404 tons were merchandise.

On the Ottawa canals the total quantity of freight moved was 337,850 tons; of this quantity 271,257 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 that the quantity carried by the New York Canals was 521,111 tons in 1907, 572,080 tons in 1906, 346,200 tons in 1905, 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 1907.....	5,349,284	In 1893.....	5,107,426
1906.....	5,350,042	1892.....	5,913,013
1905.....	4,475,888	1891.....	5,565,381
1904.....	4,632,082	1890.....	4,336,199
1903.....	5,548,603	1889.....	3,654,984
1902.....	6,532,263	1888.....	3,197,734
1901.....	3,334,001	1887.....	*3,847,766
1900.....	6,053,005	1886.....	*3,802,262
1899.....	6,211,827	1885.....	4,105,594
1898.....	7,060,542	1884.....	3,639,805
1897.....	5,673,638	1883.....	4,422,461
1896.....	5,183,540	1882.....	3,885,557
1895.....*	3,798,574	1880.....	4,732,385
1894.....	4,281,056	1869.....	1,087,809

* Flour and grain only.

8-9 EDWARD VII., A. 1909

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-eight years:—

	Canals.	Railways.	Total.	Proportions by Canals.
				Tons.
1869.....	1,302,613	1,087,809	2,390,342	.545
1870.....	1,295,010	1,766,467	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	2,313,241	3,648,791	.357
1876.....	1,064,293	2,875,803	3,940,096	.270
1877.....	1,498,984	2,493,683	3,992,667	.375
1878.....	1,912,734	3,695,764	5,608,498	.341
1879.....	1,833,399	4,353,617	6,187,016	.296
1880.....	2,371,090	4,732,385	7,103,475	.333
1881.....	1,116,561	4,983,722	6,100,283	.183
1882.....	1,118,776	3,885,557	5,004,333	.223
1883.....	1,379,000	4,422,461	5,801,461	.237
1884.....	1,236,986	3,639,805	4,876,791	.253
1885.....	1,063,310	4,105,594	5,168,904	.205
1886.....	1,489,886	3,800,262	5,292,148	.281
1887.....	1,539,403	3,847,766	5,387,169	.285
1888.....	1,166,958	3,197,734	4,364,692	.267
1889.....	1,296,896	3,654,984	4,951,880	.262
1890.....	1,167,901	4,336,199	5,504,100	.212
1891.....	1,092,355	3,565,381	4,657,736	.234
1892.....	937,999	5,913,013	6,851,012	.137
1893.....	1,452,563	5,107,426	6,599,989	.284
1894.....	1,400,129	4,281,056	5,681,185	.327
1895.....	602,505	3,798,574	4,401,079	.159
1896.....	957,182	5,183,540	6,140,722	.156
1897.....	744,575	5,673,638	6,418,213	.116
1898.....	653,027	7,060,542	7,713,569	.085
1899.....	577,486	6,211,827	6,789,313	.086
1900.....	472,857	6,053,005	6,525,862	.073
1901.....	557,099	6,334,601	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
1905.....	346,200	4,475,888	4,822,088	.072
1906.....	572,080	5,350,042	5,992,122	.097
1907.....	521,111	3,845,845	4,366,956	.119

SESSIONAL PAPER No. 20a

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 1850.....	68·9	In 1888.....	18·8
1869.....	47·0	1889.....	15·1
1870.....	38·9	1890.....	13·9
1871.....	38·9	1891.....	13·4
1872.....	40·1	1892.....	9·8
1873.....	34·9	1893.....	10·1
1874.....	31·7	1894.....	10·2
1875.....	28·4	1895.....	9·7
1876.....	24·6	1896.....	8·5
1877.....	28·3	1897.....	8·3
1878.....	27·1	1898.....	6·9
1879.....	23·7	1899.....	7·2
1880.....	25·1	1900.....	5·2
1881.....	18·5	1901.....	5·1
1882.....	19·0	1902.....	5·5
1883.....	18·7	1903.....	5·6
1884.....	19·0	1904.....	4·6
1885.....	17·1	1905.....	4·5
1886.....	16·9	1906.....	4·5
1887.....	16·3	1907.....	4·4

The quantity of freight carried by the canals and railways was more in 1907 by 5,332,563 tons than the quantity carried in 1906, and an increase of 75,123,611 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	15,148,174	·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

8-9 EDWARD VII., A. 1909

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
1905.....	73,753,141	.0458
1906.....	82,244,222	.0458
1907.....	87,576,785	.0405

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

Year.	Wheat.	Year.	Wheat.
1881.....	3·2	1895.....	1·9
1882.....	2·5	1896.....	1·7
1883.....	3·5	1897.....	1·5
1884.....	2·1	1898.....	1·5
1885.....	2·0	1899.....	2·5
1886.....	3·6	1900.....	1·8
1887.....	4·1	1901.....	1·6
1888.....	2·7	1902.....	1·5
1889.....	2·5	1903.....	1·4
1890.....	1·9	1904.....	1·5
1891.....	2·5	1905.....	1·7
1892.....	2·2	1906.....	1·7
1893.....	1·6	1907.....	1·5
1894.....	1·2		
		Average twenty-seven years	2·2

SESSIONAL PAPER No. 20a

COMPARATIVE STATEMENT of the Commerce through the United States, St. Mary's Falls Canals and Canadian Sault Ste. Marie Canal, for the seasons of 1906 and 1907.

	Traffic of 1906.		Total Traffic for		Increase.	Decrease.
	United States canal.	Canadian Canal.	Season of	Season of	Amount.	Amount.
			1907.	1906.		
Vessels	Number	14,091	6,349	20,440	22,155	1,715
Lockages.....	"	9,424	4,596	14,029	14,523	503
Tonnage registered.....	Net tons	32,001,110	12,115,969	44,117,079	41,148,917	2,968,162
" freight.....	"	42,631,846	15,588,165	58,220,011	51,754,331	6,465,680
Passengers.....	Number	32,875	30,660	63,535	63,209	326
Coal (hard).....	Net tons	1,261,428	260,590	1,522,018	1,016,580	605,438
" (soft)	"	7,636,668	2,273,237	9,909,905	7,727,820	2,182,085
Flour.....	Barrels	3,406,322	3,109,113	6,515,435	6,539,537	24,102
Wheat.....	Bushels	48,842,276	49,397,984	98,240,260	84,366,309	13,873,951
Grain (excluding wheat).....	"	21,040,692	16,806,490	37,847,182	54,364,759	16,517,577
Manufactured & pig iron. Net tons		203,398	127,245	330,643	451,948	121,305
Salt.....	Barrels	389,843	71,029	460,872	468,343	7,471
Copper.....	Net tons	74,302	19,384	93,686	108,548	14,862
Iron ore	"	29,521,033	10,066,079	39,587,112	35,401,261	4,186,851
Lumber.....	ft. B.M.	600,714,000	37,601,546	638,315,546	887,519,198	249,203,652
Silver ore	Net tons					
Building stone.....	"	678	23,674	24,352	7,567	16,785
Unclassified freight.....	"	524,897	590,632	1,115,529	947,635	167,894

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

1889.....	234 days	1899.....	231 days
1890.....	228 "	1900.....	238 "
1891.....	225 "	1901.....	230 "
1892.....	233 "	1902.....	256 "
1893.....	219 "	1903.....	249 "
1894.....	234 "	1904.....	223 "
1895.....	231 "	1905.....	245 "
1896.....	232 "	1906.....	249 "
1897.....	234 "	1907.....	233 "
1898.....	241 "		

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

1895.....	87 days	1902.....	264 days
1896.....	218 "	1903.....	256 "
1897.....	238 "	1904.....	241 "
1898.....	243 "	1905.....	255 "
1899.....	239 "	1906.....	253 "
1900.....	238 "	1907.....	238 "
1901.....	246 "		

The average number of vessels passing per day through the two canals for the season of 1907 was eighty-seven.

R. DEVLIN,
Compiler of Canal Statistics.

OTTAWA, May 8, 1908.

8-9 EDWARD VII., A. 1909

C—TABLE showing the Tonnage of the undermentioned Articles moved

Years.	VEGETABLE FOOD.							Other Vegetable Food.*
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1869.....	71,051	670,534	256,475	99,012	92,309	13,489	99,743	
1870.....	54,978	658,524	193,129	123,191	117,941	19,520	127,727	
1871.....	41,211	748,549	672,057	113,992	129,891	34,563	109,935	
1872.....	20,534	403,903	902,753	120,061	92,959	13,357	120,753	
1873.....	19,307	803,064	637,296	70,586	70,023	30,160	114,735	
1874.....	29,134	772,163	519,203	98,654	59,408	8,215	280,821	
1875.....	17,635	744,293*	282,031	104,475	62,717	8,309	86,090	
1876.....	9,290	416,376	365,254	96,494	52,147	19,949	104,783	
1877.....	8,923	448,043	723,458	139,453	66,045	35,948	77,114	
1878.....	5,904	844,555	734,993	89,534	85,029	64,613	88,106	
1879.....	7,164	949,466	621,180	96,144	23,164	59,210	77,071	
1880.....	8,266	966,052	1,156,619	106,247	20,893	26,340	86,673	
1881.....	6,926	444,832	475,823	81,587	30,321	15,484	61,588	
1882.....	9,372	642,215	251,687	96,650	22,180	43,372	53,300	
1883.....	9,047	573,740	522,978	58,787	51,607	95,246	67,595	
1884.....	7,251	790,409	198,216	65,008	52,696	71,462	51,944	
1885.....	6,869	565,922	359,982	64,587	8,234	10,211	47,505	
1886.....	9,005	993,129	354,765	62,854	7,278	3,073	59,782	
1887.....	4,089	936,840	446,617	75,458	35,365	6,717	47,678	
1888.....	3,287	491,419	499,218	41,100	70,315	12,532	49,087	
1889.....	4,429	484,141	592,550	66,110	63,674	36,329	49,663	
1890.....	3,489	353,738	616,702	90,754	48,438	21,657	33,123	
1891.....	3,126	756,101	142,141	71,903	16,362	68,771	33,951	
1892.....	4,879	620,768	150,269	51,596	72,444	4,236	33,807	
1893.....	2,367	1,093,927	252,283	49,651	24,714	6,518	20,656	
1894.....	2,909	903,361	275,377	89,700	100,874	5,288	22,620	
1895.....	2,240	280,550	94,403	77,868	87,839	205	59,400	
1896.....	7,963	408,872	100,227	109,967	197,713	77,210	55,230	
1897.....	3,206	180,035	312,776	100,337	50,345	66,387	31,489	
1898.....	1,854	69,986	364,248	89,906	76,244	7,745	43,044	
1899.....	1,247	282,422	92,670	78,627	93,733	5,931	22,856	
1900.....	1,171	138,302	189,013	63,204	36,435	10,478	34,254	
1901.....	747	214,854	87,392	55,502	88,521	10,326	99,757	
1902.....	1,328	291,938	33,001	75,314	44,678	18,503	24,291	
1903.....	1,075	143,832	191,351	71,837	62,326	12,027	30,153	
1904.....	1,297	101,260	68,381	88,626	82,824	2,631	16,584	
1905.....	230	110,085	26,223	96,847	94,437	3,717	14,661	
1906.....	300	190,663	134,413	120,497	104,726	3,992	17,489	
1907.....	179	251,777	89,623	92,102	64,001	2,155	21,274	

* Apples, meal of all kinds, potatoes.

SESSIONAL PAPER No. 20a

on all Canals in the State of New York, during a series of thirty-nine 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
1,833,390	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	1,522,358
1,167,901	5,800	26,804	93,181	830,154	202,072	1,157,291
1,092,355	1,960	36,770	81,232	881,502	215,686	1,217,150
937,999	524	40,073	93,216	832,397	136,612	1,102,822
1,450,116	536	25,204	52,094	741,934	102,275	922,043
1,400,129	267	22,614	70,353	609,368	37,641	740,243
602,505	4,263	59,402	71,334	766,723	144,076	1,045,798
957,182	1,568	74,651	83,309	682,167	89,998	931,692
744,575	5,080	71,117	66,879	646,803	76,311	866,190
653,027	6,288	101,216	85,525	626,616	73,199	892,844
577,486	2,725	69,106	91,068	777,743	205,234	1,145,876
472,857	833	49,036	88,635	809,187	103,514	1,051,205
557,099	709	30,110	100,030	774,538	90,656	996,093
489,053	15	24,077	111,430	567,911	115,983	819,416
512,601	181	21,577	111,955	733,369	101,752	968,834
361,333	40	25,321	109,711	707,310	80,191	922,603
346,200	1,030	26,409	108,801	646,440	62,574	845,254
572,080	.....	18,162	154,580	545,941	31,446	750,129
521,111	.....	7,779	90,077	593,056	29,585	720,497

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. †
1869*.....	Tons. 45,674	Tons. 313,825	Tons. 120,599	Tons. 20,951	Tons.....	Tons. 904	Tons. 1,937
1872.....	26,651	239,998	254,902	6,035	7,752	64	2,745
1873.....	30,665	355,847	180,169	8,225	1,194	3	3,777
1874.....	24,019	413,212	181,151	18,871	5,954	513	8,677
1875.....	13,964	253,835	103,749	35,751	3,383	917	6,337
1876	15,778	201,906	144,501	18,455	24,496	1,454	3,198
1877.....	13,558	253,953	169,196	19,870	2,810	2,439	2,355
1878.....	9,121	191,982	185,931	10,979	3,088 .....	.....	2,302
1879.....	10,710	274,570	144,506	4,655	1,239	440	2,444
1880.....	12,679	242,020	163,738	17,772	477	1,016	1,480
1881.....	9,959	127,832	101,075	24,509 .....	.....	1,844	2,086
1882.....	12,261	215,056	54,799	20,126	611	3,226	403
1883.....	13,471	152,794	182,269	10,436	731	1,642	10,983
1884.....	13,683	144,851	118,811	7,155	10,746	1,320	9,168
1885.....	13,334	124,206	117,536	15,801	1,116 .....	.....	1,912
1886.....	19,474	154,169	219,442	1,595	4,911	564	14,657
1887.....	23,949	221,927	114,938	9,574	12,050 .....	.....	12,533
1888.....	16,983	160,963	194,886	5,906	26,629	811	13,608
1889.....	7,931	126,664	353,595	4,272	28,356	2,673	18,552
1890.....	14,461	118,002	327,394	10,830	27,728	1,549	20,876
1891.....	13,517	198,658	185,180	8,113	52,959	65,888	28,042
1892.....	17,046	232,019	192,548	6,433	37,173	9,392	32,815
1893.....	15,235	258,392	441,092	18,599	31,283	3,671	36,981
1894.....	33,628	270,993	169,233	28,353	27,962	567	60,673
1895.....	44,044	203,088	164,894	8,689	18,236	1,007	46,463
1896.....	42,425	320,563	320,444	11,368	28,178	9,405	56,591
1897.....	9,065	324,743	390,615	14,173	25,161	8,483	44,674
1898.....	5,578	207,647	437,861	12,286	17,502	16,127	23,182
1899.....	11,625	197,732	204,004	2,907	24,037	923	18,460
1900.....	10,968	137,800	163,509	4,035	41,055	3,538	14,815
1901.....	18,978	151,586	67,756	7,119	28,485	2,961	14,024
1902.....	22,282	225,171	67,647	7,418	11,232	4,079	12,963
1903.....	25,998	259,031	210,758	14,656	7,911	4,904	13,994
1904.....	35,049	165,138	116,444	27,171	16,582 .....	.....	13,184
1905.....	38,512	254,458	180,921	55,432	36,072	1,711	9,883
1906.....	18,294	326,798	211,805	31,446	49,306	1,784	10,739
1907.....	22,739	488,565	271,693	13,240	73,369	2,270	22,683

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

SESSIONAL PAPER No. 20a

through the Welland Canal, during a period of thirty-seven years, ended Dec. 31, 1907.

HEAVY GOODS.							
Total.	Railway Iron.	Other Iron.	Salt.	Iron and Salt having paid full tolls on St. Lawrence Canals.	Coal.	Ores.	Total.
Tons. 503,860	Tons. 468,06	Tons. 16,924	Tons. 91,575	Tons. 37,153	Tons. 103,126	Tons. 58,781	Tons. 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
576,989	2,651	10,912	226	4,221	172,642	22,381	213,033
650,172	3,747	8,493	100	16,204	147,587	5,862	181,993
894,559	961	4,923	246	18,761	267,212	25,040	317,143

8-9 EDWARD VII., A. 1909

E.—TABLE showing the tonnage of the undermentioned Articles cleared at Buffalo and Tonawanda, for transit through the Erie Canal, for a series of thirty-nine 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	11' 75	.....
1881.	1,491	386,605	458,318	86	24,751	107	7,484	878,842	162' 06	.....
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	1,086,834	240,767	38,986	21,981	6,156	243	1,395,391	77' 43
1894.	.....	327	887,908	265,947	60,707	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	.....
1896.	.....	6,971	402,114	89,726	101,151	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	.....
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	.....
1901.	.....	3	211,317	86,240	45,624	87,357	10,326	32,862	473,729	.....
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
1905.	.....	107,281	24,917	78,780	91,418	3,572	1,653	307,621	.....	60' 88
1906.	.....	189,038	125,172	76,071	104,337	3,992	175	498,785	.....	35' 31
1907.	.....	248,409	75,243	55,614	65,970	2,155	7,961	453,352	.....	40,83

* Apples, meal all kinds, pease, potatoes.

SESSIONAL PAPER No. 20a

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

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oat.	Rye.	Other Articles *	Total.
	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
1871.....	10,043	123,173	70,218	72,675	1,806	6,250	13,259	297,424
1872.....	4,773	57,865	27,148	62,172	684	6,751	10,425	169,818
1873.....	4,061	53,361	10,578	46,337	670	6,019	10,739	131,765
1874.....		108,288	46,127	77,007	1,103	7,053	3,747	243,325
1875.....	1,728	32,690	3,034	75,083	3,308	4,989	5,931	126,763
1876.....	967	21,890	1,324	63,336	117	5,703	6,638	99,975
1877.....	855	28,955	3,308	80,306	316	6,603	6,556	126,899
1878.....	1,394	24,171	1,383	50,381		10,598	5,222	93,149
1879.....	734	25,740	9,268	71,693		16,623	3,110	127,168
1880.....	951	17,466	15,656	82,743		12,598	5,996	135,410
1881.....	758	25,352	8,064	62,793	206	14,444	4,027	115,638
1882.....	813	20,274	4,401	70,862	416	22,265	7,773	126,804
1883.....	432	22,634	535	32,557		14,384	1,967	72,507
1884.....	404	5,932	413	48,391		12,173	2,819	70,132
1885.....	519	6,484	22	45,264		4,613	2,945	59,847
1886.....	737	9,579	154	42,261		1,671	4,814	59,216
1887.....	790	675	2	44,580		716	1,370	48,133
1888.....	384	2,206	168	6,237			2,196	11,191
1889.....	473	8,002	8,950	40,096	16	1,405	1,003	59,945
1890.....	545	10,783	10,408	26,639	8	4,635	2,356	54,969
1891.....	292	4,298	1,652	27,418		2,130	3,620	39,410
1892.....	273	4,806	5,657	5,283		199	2,340	18,558
1893.....	119	2,036	3,968	8,476		237	2,784	17,620
1894.....	8	10,293	10,514	17,160			2,609	40,584
1895.....	66	3,073	7,352	1,900	1,816		258	14,465
1896.....		1,825	7,778	7,552			2,468	19,623
1897.....		6,588	5,550	7,349	498	219	245	20,449
1898.....	160	2,111	5,886	1,450	16		784	10,407
1899.....	216	3,106	4,478	2,400			2,346	12,546
1900.....	214	485	1,404	2,400			463	4,906
1901.....	245	526		5,375			120	6,266
1902.....	1.....	159		3,678	3		632	4,472
1903.....					8,239		570	8,809
1904.....					8,477		474	8,951
1905.....			438		3,821		436	4,695
1906.....					1,107			1,107
1907.....					494			494

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

8-9 EDWARD VII., A. 1909

F.—TABLE showing the Total Way and Through Tonage of the undermentioned Articles cleared downward on the Welland Canal during a series of thirty-seven years, ended December 31, 1907.

VEGETABLE FOOD.

Year.	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Other Articles. †	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons:
1869*	44,110	310,090	119,541	3,920	.....	680	1,541	479,882
1872	26,648	231,056	254,534	693	7,594	64	2,300	524,889
1873	30,660	345,720	180,042	643	1,188	3	3,557	563,813
1874	24,017	406,157	181,128	377	5,953	.....	3,301	620,933
1875	13,930	248,555	103,477	813	3,383	500	4,304	374,962
1876	15,735	194,559	144,501	1,110	24,496	1,454	2,949	384,807
1877	13,588	248,894	169,185	10,216	2,810	2,405	1,833	448,931
1878	8,854	188,106	185,931	1,217	3,088	.....	2,100	389,296
1879	10,588	271,545	114,276	803	1,196	.....	2,387	430,795
1880	12,467	240,601	162,891	.....	477	.....	1,418	417,853
1881	9,655	121,393	103,075	252	.....	6	1,371	235,752
1882	12,205	205,876	54,797	537	.....	1,954	225	275,594
1883	13,256	146,741	182,143	975	731	518	10,971	355,335
1884	13,626	135,804	118,811	270	10,746	477	9,018	288,752
1885	13,322	114,090	117,536	618	1,116	.....	1,628	248,310
1886	19,418	146,151	218,897	.....	4,891	.....	14,581	403,928
1887	23,940	210,755	114,938	1,711	12,050	.....	12,149	375,543
1888	16,973	150,833	194,886	555	26,629	811	13,358	404,045
1889	7,922	120,498	353,595	197	28,356	1,918	18,273	530,759
1890	14,461	114,924	327,394	6,519	27,728	1,121	20,836	512,983
1891	13,517	196,326	185,177	8,113	52,959	65,071	27,595	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	83,923
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
1905	38,512	247,599	180,921	55,432	36,072	1,711	9,882	570,129
1906	18,227	326,789	111,243	31,446	49,306	1,411	10,739	549,161
1907	22,689	485,565	271,693	13,240	73,369	2,270	22,683	894,509

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

CANAL STATISTICS

SESSIONAL PAPER No. 20a

G.—Table showing the Tonnage of the undenominated Articles passed through the Welland Canal in transit between Ports in the United States during a series of thirty-seven years, ended December 31, 1907.

YEARS	VEGETABLE FOOD.						HEAVY GOODS.											
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	Tons.	* Other articles.	Total.	Railway Iron.	Other Iron.	Salt.	Tons.	Coal.	Ores.	Total.	Tons.	
1869.....	30,681	211,085	91,149	2,942	7,400	607	1,006	357,530	68,064	14,334	89,086	28,566	35,912	235,462	224,264	59,401		
1872.....	10,482	124,696	89,761	1,391	—	—	608	234,337	24,040	13,239	49,843	35,741	203,673	292,176	19,651	260,805		
1873.....	—	—	10,805	127,727	1,926	1,188	—	243,366	4,659	13,826	40,507	19,242	192,767	244,166	227,844	244,166		
1874.....	—	—	—	229,053	125,627	5,948	—	5,308	37,426	5,742	8,941	22,888	12,931	192,767	34,616	227,844		
1875.....	—	—	1,881	113,882	54,188	2,611	500	1,920	17,760	—	4,123	12,931	29,395	175,808	175,808	41,107		
1876.....	—	—	5,187	96,247	58,138	525	403	162,405	413	180,586	8,976	8,688	8,336	172,808	172,808	238,975		
1877.....	—	—	3,342	107,396	65,260	1,603	2,314	180,586	413	128,361	10,713	3,892	150,583	153,535	153,535	178,723		
1878.....	—	—	1,316	60,026	839	277	—	128,361	—	128,361	—	—	—	—	—	—		
1879.....	139	53,791	33,401	16,122	1,151	464	—	11	87,826	2,466	3,648	6,318	118,573	148,747	148,747	148,747		
1880.....	—	—	—	30,611	296	—	—	—	48,580	4,743	3,515	3,711	65,945	18,380	92,964	18,380		
1881.....	—	—	—	31,320	30,031	1,924	—	—	65,285	1,313	5,570	—	83,868	6,464	97,205	6,464		
1882.....	—	—	107	30,257	32,133	537	—	684	14	64,002	—	4,076	—	14,533	—	177,161		
1883.....	—	—	2,041	54,382	66,128	735	731	8,577	132,496	1,209	6,901	8	196,402	24,891	229,471	229,471		
1884.....	—	—	1,715	40,956	53,707	9,874	—	8,170	114,422	698	599	—	—	—	—	227,187		
1885.....	—	—	124	53,235	63,235	732	882	—	118,243	—	1,594	—	210,790	15,100	210,790	15,100		
1886.....	—	—	7,591	53,258	94,048	4,790	—	13,201	172,888	156	5,328	—	198,416	15,029	215,039	15,029		
1887.....	—	—	—	37,678	83,431	1,732	12,050	—	10,850	157,530	15	4,406	—	189,964	13,364	206,813		
1888.....	—	—	11,780	37,678	83,431	1,732	—	—	—	—	—	—	182,780	6,77	187,828	6,77		
1889.....	—	—	8,563	39,099	102,974	1,732	26,510	179	—	11,598	1,601	56	173,250	2,306	177,286	2,306		
1890.....	—	—	5,017	39,229	147,045	2,7492	—	—	256,295	17,229	297	—	896	227,476	1,204	231,163		
1891.....	—	—	9,294	31,227	180,627	6,519	27,030	—	20,497	275,619	504	268	162,231	1,620	164,563	1,620		
1892.....	—	—	6,802	32,097	127,494	8,113	52,823	—	253,441	292	705	186,172	705	186,172	186,172	186,172		
1893.....	—	—	11,018	26,350	131,222	6,433	36,935	—	31,992	244,560	576	—	183,846	—	184,473	—		
1894.....	—	—	6,588	188,777	188,777	1,751	23,870	864	36,352	161,388	344	—	206,827	—	207,171	—		
1895.....	—	—	17,795	53,846	105,329	28,065	27,621	—	60,462	198,362	297	—	188,358	—	188,358	—		
1896.....	—	—	10,169	27,881	100,512	7,394	17,920	—	46,316	269,802	181	246	149,490	—	149,490	—		
1897.....	—	—	16,224	34,878	175,694	11,128	16,137	490	46,456	300,407	146	—	207,348	—	207,348	—		
1898.....	—	—	7,257	28,919	169,057	14,173	14,969	—	41,887	276,242	965	15	165,143	—	166,143	—		
1899.....	—	—	—	—	—	—	—	—	—	22,071	292	339	—	4	166,814	157,927		
1900.....	—	—	6,118	81,977	2,424	1,751	12,732	1,197	206,656	770	—	—	—	—	166,814	157,927		
1901.....	—	—	7,966	18,771	60,545	2,402	39,706	2,149	14,892	351	1,646	563	—	98,361	91,481	98,361		
1902.....	—	—	17,165	55,531	55,531	7,119	23,344	—	14,787	953	—	—	46,924	—	46,924	—		
1903.....	—	—	13,785	32,639	66,111	7,418	10,606	—	14,016	143,732	83	80	46,702	—	46,702	—		
1904.....	—	—	6,082	15,439	108,917	11,112	4,174	—	12,675	142,634	214	—	12,911	—	12,911	—		
1905.....	—	—	—	8,556	14,289	6,064	16,621	16,497	—	129,986	439	—	113,072	—	113,072	—		
1906.....	—	—	24,634	15,483	93,622	9,197	10,892	—	13,079	129,986	1	169	63,882	—	63,882	—		
1907.....	—	—	15,215	13,410	135,240	9,206	11,323	—	10,678	162,930	169	—	73,464	—	73,464	—		
	—	—	18,898	21,811	124,474	2,812	4,741	—	22,001	194,820	30	—	35,523	—	35,523	—		

* Apples, meal all kinds, pease, potatoes.

8-9 EDWARD VII., A. 1909

H.—TABLE showing the Tonnage of Vegetable Food carried on each of the Lines of Canals and the two principals railways, competing for the Carrying Trade between Lake Erie and Tidewater, for a series of thirty-seven years, ended December 31, 1907.

Year.	Total on New York Canals.	Total on Welland Canal.	Total on New York Central and Erie Railways.	Quantity cleared at Buffalo and Tonawanda by Erie Canal.	Quantity cleared at Oswego by Canal.	Quantity cleared through the Welland Canal in transit between ports in the United States.
1869*	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	126,801	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	180,825
1889	1,296,896	542,043	3,654,984	1,155,175	59,945	236,208
1890	1,167,901	519,291	4,336,199	953,397	54,969	275,619
1891	1,092,355	367,177	3,565,381	1,000,171	39,410	253,444
1892	937,999	527,426	5,913,013	870,570	18,558	244,550
1893	1,452,563	805,253	5,107,426	1,395,391	17,620	311,389
1894	1,400,129	591,409	4,281,056	1,331,101	40,584	293,148
1895	602,505	486,421	3,798,574	508,596	14,465	209,802
1896	957,182	788,974	5,183,540	877,144	19,623	300,407
1897	744,575	816,914	5,673,638	688,635	20,449	276,242
1898	653,927	720,183	7,060,542	607,557	10,407	209,656
1899	577,486	459,688	6,211,827	527,863	12,546	141,892
1900	472,857	375,720	6,053,005	438,434	4,906	145,787
1901	557,099	290,909	6,334,001	473,729	6,266	143,732
1902	489,053	350,792	6,532,263	436,943	4,472	142,634
1903	512,601	537,252	5,548,603	445,518	8,809	165,725
1904	361,333	373,568	4,632,082	215,945	8,951	129,986
1905	346,200	576,989	4,475,888	307,621	4,695	162,930
1906	572,080	650,721	5,350,942	498,785	1,107	195,133
1907	522,111	804,559	5,349,284	453,352	434	194,820

* Fiscal.

SESSIONAL PAPER No. 20a

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 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1906, 1907.

ARTICLES.	CANADIAN VESSELS.			AMERICAN VESSELS.			TOTAL.	
	Steam.		Sail.	Steam.		Sail.	Steam and Sail.	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
1896.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Wheat.....	113,331	90,979	78,741	34,476	317,527			
Corn.....	9,360	3,855	218,315	88,914	320,440			
Barley.....	240	.....	11,128	.....	11,368			
Oats.....	441	1,270	24,847	1,620	28,178			
Peas.....	1,403	1,354	.....	273	3,030			
Rye.....	5,035	644	2,837	454	8,970			
Coal.....	7	11,106	1,255	629	11,997			
Miscellaneous merchandise	29,820	1,452	82,319	4,374	117,965			
Shingles, woodenware, &c.....	134	.....	22	.....	156			
Sawed lumber Ft. B.M.	2,123,213	.....	18,259,810	27,796,146	48,179,169			
Square timber Cub. ft.	942,923	1,649,145	.....	246,024	2,838,092			
Staves.....	.....	.....	.....	.....	.....
No.	.....	.....	.....	55	55			
Firewood.....	Cords.	.....	.....	.....	.....
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	225	131,907	163	76,760	388	382,231	144	86,675
1897.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Wheat.....	121,762	55,724	106,064	37,891	321,441			
Corn.....	33,634	15,244	274,355	66,822	390,615			
Barley.....	.....	.....	14,173	.....	14,173			
Oats.....	223	.....	23,515	1,168	24,906			
Peas.....	1,851	.....	.....	.....	1,851			
Rye.....	2,047	919	5,517	.....	8,483			
Coal.....	3,873	3,947	368	1,615	9,803			
Miscellaneous merchandise	15,739	3,290	70,968	4,174	94,071			
Shingles, woodenware, &c.....	1,268	5	404	.....	1,677			
Sawed lumber Ft. B.M.	1,573,447	.....	20,284,446	20,673,202	42,531,095			
Square lumber Cub. ft.	1,327,823	2,217,629	.....	616,093	4,161,545			
Staves.....	.....	.....	.....	.....	2,577,160			
No.	2,577,160	4	.....	.....	4			
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	126,398	104	59,532	354	355,702	195	108,720
1898.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Wheat.....	95,567	36,157	54,934	18,355	205,013			
Corn.....	56,538	30,455	284,059	66,761	437,813			
Barley.....	.....	.....	9,465	2,821	12,286			
Oats.....	.....	.....	17,329	.....	17,329			
Peas.....	260	.....	45	.....	305			
Rye.....	3,564	1,480	9,135	1,948	16,127			
Coal.....	575	1,916	759	2,620	5,870			
Miscellaneous merchandise	19,385	4,104	47,271	8,758	79,518			
Shingles, woodenware, &c.....	2	9	.....	.....	11			
Sawed lumber Ft. B.M.	4,910,669	1,641,783	16,220,972	24,484,283	47,257,707			
Square timber Cub. ft.	825,545	1,183,821	.....	388,410	2,397,776			
Firewood.....	.....	.....	.....	.....	249			
No.	.....	.....	.....	.....	249			

8-9 EDWARD VII., A. 1909

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.
1899.								
	Tons.		Tons.		Tons.		Tons.	
Wheat	91,901		80,928		16,250		7,244	
Corn	28,015		18,905		138,834		18,250	
Barley					2,424		2,424	
Oats	1,557				21,646			
Peas							23,203	
Rye					923		923	
Coal	435		6,736				3,398	
Miscellaneous merchandise	25,263		18,651		49,522		1,567	
Shingle, woodenware, &c	485		916				100	
Sawed lumber Ft. B.M.	2,077,748		772,739		14,855,338		19,949,079	
Square timber Cub. ft.	322,138		585,780		20,802		32,806	
Firewood Cords.			9				1,257,526	
Staves No.							9	
1900.								
	Tons.		Tons		Tons.		Tons.	
Wheat	67,694		43,157		23,066		2,130	
Corn	39,597		31,248		78,701		13,963	
Barley					2,402		1,047	
Oats					39,706		407	
Peas	115				4		119	
Rye	1,389				2,149		3,538	
Coal	723		637		433		559	
Miscellaneous merchandise	53,649		31,536		43,344		3,564	
Shingles, woodenware, &c	1,078						1,078	
Sawed lumber Ft. F.M.	6,847,279		5,344,258		14,984,483		18,770,405	
Square timber Cub. ft.	439,827		355,951		11,583		198,420	
Firewood Cords.	126		255				381	
Staves No.	1,000						1,000	
1901.								
	Tons.		Tons.		Tons.		Tons.	
Wheat	57,641		58,973		31,955		1,241	
Corn	7,350		4,689		55,717		67,756	
Barley					7,119		7,119	
Oats	944				27,197		28,141	
Peas								
Rye	2,961						2,961	
Coal	1,960		362		357		2,679	
Miscellaneous merchandise	71,300		32,312		12,874		7,469	
Shingles, woodenware, &c	18						123,955	
Sawed lumber Ft. B.M.	6,533,423		4,060,251		11,089,806		13,002,940	
Square timber Cub. ft.	362,441		204,682		9,384		149,531	
Firewood Cords.	165		264				429	
Staves No.								

SESSIONAL PAPER No. 20a

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.
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	
Peas.....	.....	.....		.....	.....		.....
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	3,256,157		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.
	239	151,850	76	45,918	243	252,094	69	27,854
	627	477,716						
1903.	Tons.	Tons.		Tons.	Tons.		Tons.	
Wheat.....	148,378	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	
Peas.....	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.	.....	641,030		.....	.....		641,000	
	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		95,862	.....		116,444	
Barley.....	2,619	824		23,728	.....		27,171	
Oats.....	.....	.....		16,261	.....		16,261	
Peas.....	.....	.....		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		32,751,541	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	

8-9 EDWARD VII., A. 1909

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

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	252	182,373	91	48,692	319	286,656	64	29,120	726	546,841
- 1905.		Tons.		Tons.		Tons.		Tons.		Tons.
Wheat.		188,706		18,575		28,757		2,512		238,550
Corn.		6,385		6,636		163,371		4,526		180,921
Barley.		6,870		1,451		47,111				55,432
Oats.		8,225		2,570		21,535		3,742		36,072
Peas.						76				76
Rye.						1,711				1,711
Coal.		18,756		35,324		28,330		8,678		91,088
Iron ore.		14,358		8,023						22,381
Merchandise.		29,375		7,485		74,975		3,126		114,961
Shingles, woodenware, &c.				2,748,941		2,325				2,325
Sawed lumber.	Ft. B. M.	2,867,147				38,290,831		12,479,698		54,589,200
Square timber.	Cub. ft.	355,000		951,524						538,000
Firewood.	Cords.			183,000		900				900
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	328	238,690	121	66,355	305	310,622	43	15,758	797	631,425
1906.		Tons.		Tons.		Tons.		Tons.		Tons.
Wheat.		250,493		34,355		35,578				320,436
Corn.		8,177				202,250		1,378		49,306
Barley.		8,546		5,046		17,854				31,446
Oats.		21,900		16,083		11,323				49,306
Peas.						11				11
Rye.				5		1,406				1,411
Coal.		30,455		47,242		24,190		9,836		111,243
Iron ore.		5,862								5,862
Merchandise.		35,383		7,009		110,263		50		152,705
Shingles, woodenware, &c.		16		37		851				904
Sawed lumber.	Ft. BM.	3,471,514		235,624		25,711,196		10,769,755		40,188,089
Square timber.	Cub. ft.	375,000		200,000						575,000
Firewood.	Cords.	110		18		1,093				1,221
Staves.	No.					300,000				300,000
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	375	290,509	148	81,070	408	397,616	76	36,921	1,007	806,116
1907.		Tons.		Tons.		Tons.		Tons.		Tons.
Wheat.		294,298		50,808		130,818		4,429		480,303
Corn.		6,713		514		259,895		4,571		271,693
Barley.		8,726		468		4,046				13,240
Oats.		49,689		16,647		7,033				73,369
Peas.						25				25
Rye.						2,270				2,270
Coal.		31,506		47,373		50,183		14,493		143,555
Iron ore.		12,040		8,950						20,990
Merchandise.		21,545		9,436		5,231		6,235		42,447
Shingles, woodenware, &c.						2,222				2,222
Sawed lumber.	Ft. B. M.					14,395,124		11,201,446		25,596,570
Square timber.	Cub. ft.	558,090		323,000						881,090
Firewood.	Cords.					660				660

SESSIONAL PAPER No. 20a

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 1907 is as follows :—

Summary.	Tons.	Tons.
In Canadian steam vessels.....	128,851	
" sail "	14,605	
Total quantity in Canadian vessels		143,456
In United States steam vessels.....	219,160	
" sail "	27,161	
Total in United States vessels.....		246,321
Grand total freight passed UP the Welland Canal in Canadian and United States vessels.....		389,777

8-9 EDWARD VII., A. 1909

STATEMENT of the quantity of Through Freight passed Up and Down the Welland
Canal during the Season of Navigation in 1907.

Summary.	Tons.	Tons.
In Canadian steam vessels, up	128,851	
" " down	452,647	
Total in Canadian steam vessels		581,498
In Canadian sail vessels, up	11,605	
" " down	140,737	
Total in Canadian sail vessels		155,342
Total quantity in Canadian vessels		736,849
In United States steam vessels up	219,160	
" " down	572,755	
Total in United States steam vessels		791,915
In United States sail vessels up	27,161	
" " down	48,405	
Total in United States sail vessels		75,566
Total quantity in United States vessels		867,481
Total in Canadian and United States vessels		1,604,321
	Down or East Bound	Up or West Bound
In Canadian vessels	593,384	143,456
In United States vessels	627,160	246,321
Total	1,214,544	389,777

STATEMENT O

In Canadian steam

"

T

In Canadian sail v-

" "

T

T

In United States s

"

T

In United States

"

T

T

T

In Canadian vesse

In United Stat-s

T

SESSIONAL PAPER No. 20a

K.—STATEMENT showing the Quantity of Freight passed Eastward, from Lake Erie, through the whole length of the Welland and St. Lawrence canals, to Montreal, during the seasons of navigation in 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906 and 1907.

A 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.

SESSIONAL PAPER No. 20a

—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 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906 and 1907.

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.*

SESSIONAL PAPER No. 20a

M.—STATEMENT showing the Quantity of Freight passed Eastward through the West and Canal, from United States Ports to United States Ports, during the Season of Navigation from 1895 to 1907 inclusive.

Articles.	1895.		1896.		1897.		1898.		1899.		1900.		1901.		1902.		1903.		1904.		1905.		1906.		1907.	
	Tons.																									
<i>Class 3.</i>																										
Bricks.....			845																							
Cement and water lime																										
Fish.....																										
Iron, railway			181																							
" all other.....			214																							
Salt.....																										
Steel.....																										
Stone for cutting.....																										
Apples.....																										
Barley.....																										
Corn.....																										
Flour.....																										
Hay, pressed.....																										
Mead, all kinds.....																										
Marble.....																										
Nails.....																										
Oil cake.....																										
Oats.....																										
Pearse.....																										
Potatoes.....																										
Rye.....																										
Flax seed.....																										
Seeds, all kinds.....																										
Tobacco.....																										
Wheat.....																										
Agricultural products, vegetables.....																										
Hides and skins, &c.....																										
Horses.....																										
Lard and lard oil, &c.....																										
Meats, other than pork.....																										
Pork.....																										
Sheep.....																										
Tallow.....																										
Wool.....																										
Total, class 3.....																										
<i>Class 4.</i>																										
Agricultural implements.....																										
Crockery and earthenware.....																										
Furniture.....																										

Total, class 3.....

Class 4.

Agricultural implements.....

Crockery and earthenware.....

Furniture.....

5

494

494

494

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

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 1895 to 1907 inclusive.—Concluded.

Articles.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
<i>Class 4—Con.</i>													
Marble ..							8	57					
Molasses ..						11							
Nails ..					307	17		22	1,594	2,000	1		3
Oil, in barrels ..		1,006	198	119	2	36							8
Paint ..				3		1			4			1	1
Rags ..													
Soda ash ..													
Stone, wrought ..	59	165	31				154	448	280		53	840	26,675
Sugar ..											7		4
White lead ..													
Whiting, beer and all other spirits ..	15			34	108	1	1						21
7,656 3,990 3,591				3,828	6,219	7,889	3,327	1,928		3			30
Merchandise ..													41,621
Total, class 4 ..	7,762	5,160	3,820	3,986	6,783	8,164	3,805	4,218	4,017	2,021	2,666	3,660	67,768
<i>Class 5.</i>													
Empty barrels ..			10										
Firewood, in vessels ..	165												
Lumber, sawn, in vessels ..	75,515	68,280	52,844	37,635	55,128	38,635	72,806	74			717	2,700	2
Masts and spars, in vessels ..		403									30,194	15,26	1,980
Top poles ..													
Railway ties in vessels ..													
Shingles ..													
Split posts ..													
Staves, salt barrels ..													
Timber, square, in vessels ..	500		1,010	1									
Woodenware, &c ..		12											
Total, class 5 ..	42,420	75,702	61,724	52,844	57,635	55,133	38,367	72,810	48,337	31,717	20,751	32,863	18,516
<i>Special class.</i>													
Coal ..	603	1,255				759	2,293	992	357	501		1,100	3,346
Stone, not suitable for cutting ..													4,400
Kryolite ..													110,347
Iron ore ..													2,734
Total, special class ..	603	1,255				759	2,293	992	357	501		1,100	3,346
Grand total ..	262,585	385,782	353,863	277,023	225,491	218,969	190,476	224,110	221,074	165,337	190,547	237,226	306,743

SESSIONAL PAPER No. 20a

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 through the St. Lawrence Canals to Montreal during the season of Navigation in 1907.

Name of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal.
			Tcns.
Canadian Steamer Advance	1,080	180	1,080
" " "	1,109	180	929
" " "	600	600	600
" " "	1,136	126	1,010
" " "	1,125	—	1,125
" " "	1,129	—	1,129
" " "	1,110	—	1,110
" " A. E. Ames	1,620	—	1,620
" " "	1,560	—	1,560
" " "	1,605	—	1,605
" " "	1,575	—	1,575
" " "	1,560	—	1,560
" " "	1,575	—	1,575
" " "	1,380	—	1,380
" " "	1,440	—	1,440
" " "	1,425	—	1,425
" " Arabian	1,200	—	1,200
" " "	1,184	—	1,184
" " "	1,201	—	1,201
" " "	1,163	—	1,163
" " "	1,195	—	1,195
" " "	1,124	—	1,124
" " "	1,200	—	1,200
" " Bickerdike	1,390	—	1,390
" " "	1,455	—	1,455
" " "	1,380	—	1,380
" " "	1,364	—	1,364
" " "	1,360	—	1,360
" " "	1,370	—	1,370
" " City of Ottawa	918	—	918
" " "	900	—	900
" " City of Montreal	960	—	960
" " "	870	—	870
" " "	900	—	900
" " Carleton	2,048	—	2,048
" " Carunna	1,320	—	1,320
" " "	1,301	—	1,301
" " "	1,341	—	1,341
" " Edmonton	706	—	706
" " "	1,686	—	1,686
" " Haddington	2,220	—	2,220
" " "	2,220	—	2,220
" " "	2,278	—	2,278
" " "	2,250	—	2,250
" " "	2,297	—	2,297
" " "	2,250	—	2,250
" " "	2,229	—	2,229
" " Neepawah	1,350	—	1,350
" " "	1,770	—	1,770
" " "	750	—	750
" " Nevada	1,440	—	1,440
" " "	1,380	—	1,380
" " "	1,170	—	1,170
" " H. M. Pellatt	1,417	—	1,417
" " "	1,290	—	1,290
" " "	1,380	—	1,380
" " "	1,461	—	1,461
" " "	1,290	—	1,290
" " "	1,348	—	1,348
" " "	1,464	—	1,464
" " "	1,398	—	1,398

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 through the St. Lawrence Canals to Montreal during the season of Navigation in 1907.—*Concluded.*

Name of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped at Kingston.	Cargo through the St. Lawrence Canals to Montreal.
	Tons.	Tens.	Tons.
Canadian Steamer J. H. Plummer.....	1,357	.....	1,357
" " "	1,290	.....	1,290
" " "	1,260	.....	1,260
" " "	1,170	.....	1,170
" " "	1,399	.....	1,399
" " "	1,350	.....	1,350
" " "	1,110	.....	1,110
" " Pollux	1,380	.....	1,380
" " Rosedale.....	823	.....	823
" " "	510	.....	510
" " Stormount.....	1,771	.....	1,771
" " "	2,233	799	1,434
" " "	2,118	.....	2,118
" " Turret Cape.....	2,013	.....	2,013
" " Turret Chief.....	2,070	.....	2,070
" " Wancondah.....	1,630	.....	1,630
" " "	768	.....	768
" " "	1,593	.....	1,593
" " Barge Hamilton.....	1,908	.....	1,908
United States Steamer Bermuda.....	1,650	.....	1,650
" " J. S. Keefe.....	2,310	.....	2,310
" " Jno. Lambert.....	2,250	.....	2,250
" " "	1,588	.....	1,588
" " "	750	.....	750
" " Marshall.....	1,560	83	1,477
" " R. Wallace	2,280	45	2,235
Total	125,658	1,233	124,425

Number of cargoes of Wheat..... 87

Quantity through Welland Canal to Kingston..... 125,658 tons.

" transhipped at Kingston..... 1,233 "

" taken to Montreal in vessels in which it arrived at Kingston.. 124,425 "

SESSIONAL PAPER No. 20a

N.—STATEMENT showing the number of Vessels which took their Cargoes of Corn through the Welland Canal from Ports west of Port Colborne, the quantity transhipped at Kingston, and the quantity of each cargo through the St. Lawrence Canals to Montreal, during the Season of Navigation in 1907.

Names of Vessels.	Original Quantity through the Welland Canal.	Quantity transhipped to Kingston.	Cargo through the St. Lawrence Canal to Montreal.
	Tons.	Tons.	Tons.
Canadian Steamer Cataract.....	1,114	.....	1,114
" " City of Ottawa.....	476	.....	476
" " City of Montreal.....	672	.....	672
" " Iona	353	.....	353
United States Steamer J. H. Devereux—.....	1,972	.....	1,972
" " J. S. Keeffe	2,259	.....	2,259
" " J. Lambert	668	.....	668
" " "	1,487	.....	1,487
" " J. Sharples	2,156	.....	2,156
Total.....	11,157	.....	11,157
Number of Cargoes of Corn.....	9	.....	Tons.
Quantity through Welland Canal to Kingston.....	.....	.....	11,157
" transhipped at Kingston .....	.....	.....	.....
" taken to Montreal in vessels in which it arrived at Kingston .....	.....	.....	11,157

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 1907.

—	Number of Cargoes.	Total Number.
Wheat	87	.....
Corn	9	.....
Total.....	96	.....
—	Tons.	Tons.
Quantity of wheat through the Welland Canal bound for Montreal.....	125,658	.....
" corn " "	11,157	.....
Total through the Welland Canal.....	136,815	.....
Quantity of the above transhipped at Kingston—	.....	.....
Wheat	1,233	.....
Corn .....	.....	.....
Total transhipped.....	1,233	.....
Quantity of the above cargoes taken to Montreal in vessels in which it arrived at Kingston—	.....	.....
Wheat.....	124,425	.....
Corn.....	11,157	.....
Total quantity to Montreal.....	135,582	.....
Grand total.....	136,815	.....

8-9 EDWARD VII., A. 1909

O.—STATEMENT showing the Quantity of Grain passed Down the Welland Canal to Kingston, Ogdensburg and other Ports; in Canadian and United States vessel entering the Canal at Port Colborne, during the season of Navigation in 1907.

ARTICLES.	CANADIAN VESSELS.				UNITED STATES VESSELS.				TOTAL.	
	Steam.		Sail.		Steam.		Sail.		Steam and Sail.	
	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.	No.	Tonnage.
	216	225,656	39	37,592	257	315,325	6	4,369	518	582,942
Barley		8,726		468		4,046				13,240
Corn		6,713		514		259,895		4,571		271,693
Oats		49,689		16,647		7,033				73,369
Pease						25				25
Rye						2,270				2,270
Wheat		294,248		50,808		130,818		4,429		480,363
Total.....		359,376		68,437		404,087		9,000		840,900

	Tons.
216 Cargoes in Canadian Vessels, Steam, total quantity.....	359,376
33 " " Sail " "	68,437
257 " United States " Steam " "	404,087
6 " " " Sail " "	9,000

P.—STATEMENT of the Quantity of Grain arrived at Kingston, Ogdensburg and Prescott, in Vessels which passed Down the Welland Canal, during the season of Navigation in 1907.

Summary.	Tons.	Tons.
Canadian Steam—216 Cargoes of Grain	359,376	
" Sail 39 "	68,437	
Total in Canadian Vessels.....		427,813
United States Steam—257 Cargoes of Grain	404,087	
" Sail 6 "	9,000	
Total in United States Vessels.....		413,087
Total in Canadian and United States Vessels.....		840,900
Distributed as follows :—		
120 Canadian and 14 United States Vessels arrived at Kingston and discharged part of their cargoes, taking the balance to Montreal		168,796
287 Vessels arrived at Kingston and discharged all their cargoes, as follows :—		
171 Cargoes in Canadian Vessels.....	274,855	
116 " United States Vessels	191,922	
Quantity transhipped and taken to Montreal		466,777
Quantity remaining at Kingston, Ogdensburg, Prescott and American Pmts.....		205,327
Total.....		840,900

SESSIONAL PAPER No. 20a

Q.—COMPARATIVE STATEMENT of the Quantity of Grain passed DOWN the Welland Canal to Kingston and Ogdensburg, during the Seasons of Navigation in 1906 and 1907.

		1906.		1907.	
		No. of Cargoes	Tons.	No. of Cargoes	Tons.
Quantity arrived at Kingston in Canadian vessels.....	205	344,605		255	427,813
Quantity arrived at Kingston and Ogdensburg in United States vessels.....	188	269,800		263	413,087
Total	333	614,405		518	840,900
Quantity transhipped at Kingston and Ogdensburg in Canadian vessels for Montreal.....		269,773			*466,777
Quantity taken to Montreal in vessels in which it arrived at Kingston.....		135,162			168,796
Quantity remaining at Kingston, Ogdensburg and Cardinal.....		209,470			205,327
Total		614,405			840,900

* Of this quantity, 2,994 tons were transhipped from Kingston, being grain of 1906. 134 vessels took their cargoes through in 1907, against 108 in 1906. 287 vessels discharged all their cargoes in 1907, against 185 in 1906.

8-9 EDWARD VII., A. 1909

S.—The quantity of Coal passed through the Welland Canal during a series of years from 1885 to 1907, inclusive, and the amount of Tolls heretofore collected thereon, now free, is as follows :—

YEARS.	From Canadian Ports to Canadian Ports.		From United States Ports to United States Ports.		From United States Ports to Canadian Ports.		Total.	Amount of Tolls paid. — Rate 20 cents a ton.
	Up.	Down.	Up.	Down.	Up.	Down.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
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	135,525	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	61,013	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
1905.....			70,118	3,346	11,436	37,742	172,642	*34,528 40
1906.....	60		29,123	4,400	7,161	106,843	147,587	*29,517 40
1907.....	2,857		110,347	.....	10,453	143,555	267,212	*53,442 40

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 1906 all tolls were free. O.C. April 23, 1903.

* These tolls were "free" by O.C. April 27, '03.

SESSIONAL PAPER No. 20a

T.—STATEMENT showing the quantity of Coal passed through the whole length of the St. Lawrence Canal during the seasons of 1885 to 1907 inclusive.

YEARS.	Quantity passed up free of Tolls.	Quantity passed down to Montreal.	Total Quantity passed up and down.	Amount of Tolls Quantity passed down 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.....	6,558	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	165,009	24,722 37
1898.....	400	175,609	201,994	30,231 80
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.....	9,679	320,973	330,643	*48,145 95
1905.....	8,518	345,589	354,107	*51,808 33
1906.....	6,989	313,080	320,069	*47,905 93
1907.....	1,281	406,978	408,259	*50,440 20

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

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

8-9 EDWARD VII., A. 1909

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 1896 to 1907 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.
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	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	3,900
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. 20a

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, vegetables.			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
Meat, 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		12	197
Merchandise not enumerated	1,214	347	3,591
Firewood, in vessels			
Hoops	257	8	
Lumber, sawn in vessels	478	1,158	69,710
Masts	" " rafts	5	403
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 1899 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.

8-9 EDWARD VII., A. 1909

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

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1898.	Tons.	Tons.	Tons.
Agricultural products, vegetable.....	56	.....	.....
Ashes	73	.....	.....
Barley.....	3,960	1,417	6,909
Cement and water-lime.....	.....	.....	300
Clay, lime and sand.....	52	1	.....
Coal .....	.....	4,536	759
Corn.....	*310,498	13,338	116,317
Flaxseed.....	5,687	9	.....
Flour.....	653	.....	4,212
Furniture.....	.....	.....	2
Glass	75	.....	.....
Horses	4	.....	.....
Iron, railway.....	.....	674	770
" pig .....	.....	4,187	.....
" all other	6,217	257	324
" ore .....	.....	13,433	.....
Lard, and lard oil.....	.....	.....	3,671
Meal, all kinds.....	.....	.....	22,626
Molasses.....	56	.....	.....
Oats.....	3,975	625	12,729
Oil, in barrels.....	1,141	15	119
Paint.....	.....	.....	3
Pease.....	260	.....	45
Pork.....	.....	.....	1,271
Rye	*16,133	39	.....
Salt	144	544	.....
Seeds, all kinds.....	.....	.....	44
Spirits, beer, &c.....	4	.....	34
Steel.....	1,351	3,122	2,951
Stone for cutting.....	.....	554	.....
Tallow.....	.....	.....	359
Wheat	*184,706	15,860	8,612
Wool .....	.....	.....	89
Merchandise not enumerated.....	866	25	3,828
Firewood, in vessels.....	.....	747	.....
Lumber, sawn, in vessels.....	3,065	2,840	72,897
Railway ties.....	.....	190	.....
Shingles.....	.....	11	.....
Square timber.....	329	48,369	.....
Total	539,305	110,893	258,871

* Of this quantity of corn, 2,349 tons came down to Ogdensburg and Prescott in 1887, 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. 20a

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.....	6	.....	.....
Horses.....	1	.....	.....
Iron, ore.....	.....	26,125	.....
" all kinds.....	5,063	.....	194
Lard and lard oil.....	.....	3	964
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
Paints.....	.....	.....	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.....	*269,978	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 Dunville 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.

8-9 EDWARD VII., A. 1909

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 United States Ports.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.
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 1889, 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. 20a

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

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports.
1901.	Tons.	Tons.	Tons.
Agricultural implements.....	1,785		
" products, vegetable.....	3		10
Ashes.....			
Barley.....			7,119
Coal.....			357
Corn.....	14,319	4,828	48,609
Flaxseed.....	4,965	2	
Flour.....	1,400	218	15,768
Furniture.....	5		
Glass (all kinds).....	1		
Hay, pressed.....	246		
Iron, pig.....		1,790	
" all other.....	1,178	589	
" ore.....		98,452	525
Lard and lard oil.....	1,155	827	
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.

8-9 EDWARD VII., A. 1909

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	12	.....	399
Barley . . . . .	.....	.....	7,418
Coal.	15,976	.....	35,562
Corn.	1,719	10,335	55,593
Fish. . . . .	.....	1	.....
Flour.	6,755	5,897	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	.....
Firewood, in vessels. . . . .	.....	288	.....
Lumber, sawn, in vessels.	1,085	1,178	97,300
Saw logs. . . . .	.....	28	.....
Square timber, in vessels. . . . .	.....	20,838	.....
Staves (barrel) . . . . .	.....	35	.....
Woodenware.	17	.....	.....
Total.	250,475	55,733	361,078

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

SESSIONAL PAPER No. 20a

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	1	.....
" products.....	14	.....	.....
Ashes.....	14	.....	.....
Barley.....	2,206	1,017	11,433
Coal.....	.....	30,009	.....
Corn.....	116,223	13,846	80,689
Flax and hemp.....	.....	5	.....
Flaxseed.....	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	13,549
Meal, all kinds.....	348	.....	.....
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.....	.....	.....	153
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.....	582	117	482
Merchandise not enumerated.....	.....	210	2,012
Firewood, in vessels.....	.....	3,086	9
Lumber, sawn, in vessels.....	.....	54	76,563
Shingles.....	.....	.....	.....
Timber, square, in vessels.....	.....	26,324	.....
Total.....	390,786	111,360	213,449

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

8-9 EDWARD VII., A. 1909

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.
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 . . . . .	.....	32,813	1,100
Corn	55,921	3,950	57,473
Dye woods and dye stuffs . . . . .	.....	2	.....
Flaxseed	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	12,848	.....	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	*133,428	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, in vessels	1,544	35,697	.....
Salt barrels	394	.....	.....
Total	275,277	103,803	240,998

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

SESSIONAL PAPER No. 20a

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.
1905.	Tons.	Tons.	Tons.
Agricultural implements.....			552
Barley.....	43,607	2,628	9,197
Bricks.....		15	
Clay, lime and sand.....	22	200	
Coal.....	29,351	58,391	3,346
Corn.....	84,204	3,095	93,622
Crockery and earthenware.....	93		
Flax seed.....	15,694		
Flour.....	14,571	14,458	9,483
Glass, all kinds.....	21	4	
Hay, pressed.....		200	
Hides and skins.....		46	
Iron, railway.....	10	1,531	
" pig.....		980	
" all other.....	384	2,160	
" ore.....	3,837	18,544	
Lard and lard oil.....	2,847		
Meats, other than pork.....			87
Meal, all kinds.....	270	200	9,336
Molasses.....	820	63	
Nails.....	64		1
Oats.....	21,404	3,776	10,892
Oil, in barrels.....	20,700	3,082	
Oil cake.....	9,229	662	223
Paint.....		42	
Pease.....			76
Pitch and tar.....	53		
Pork.....			273
Rags.....			4
Rye.....	1,711		
Salt.....	168	36	
Seeds, all kinds.....			43
Soda ash.....	59	8	
Spirits, &c.....	635	104	
Steel.....	48		
Sugar.....	2,019		
Tallow.....	53		
Tin.....	53		
Tobacco.....	204		
Wheat.....	*190,505	32,562	15,483
White lead.....			7
Wool.....			21
Merchandise.....	851	205	2,008
Barrels, empty.....			3
Firewood.....			2,700
Railway ties.....			2,218
Sawn lumber, in vessels.....	3,957	12,794	74,279
Square timber, "	1,260	9,500	
Shingles.....			62
Split posts, in vessels.....			12
Total.....	448,704	165,286	234,017

* Of this quantity 2,809 tons were transhipped to Montreal, being grain of 1904.

8-9 EDWARD VII., A. 1909

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.
1906.	Tons.	Tons.	Tons.
Agricultural products, vegetables.			1
Agricultural implements.			494
Ashes.	42		
Barley.	21,196	984	9,266
Cement and water-line.		1	
Coal.		106,843	4,400
Corn.	55,559	15,688	140,558
Flaxseed.	80,570	3,392	756
Flour.	9,174	70	8,916
Furniture.	6		
Glass, all kinds.	11		
Hides, skins, &c.	2		
Iron, all other.	269	1,070	27
" pig.		1,691	
" railway.		1,091	
Lard and lard oil.	4,810	2	
Meal, all kinds.	60		10,668
Nails.		11	
Oats.	37,164	819	11,323
Oils.	18,995	5,134	
Ore, iron.		5,862	
Pease.		11	
Pork.		268	
Rye.	1,405	6	
Salt.	75	19	
Seeds, all kinds.		3	3
Soda ash.	30		
Steel.		2	
Sugar.			840
Spirits, all kinds.	614	370	
Wheat.	*289,611	15,834	14,972
Wool.			89
Merchandise.	466	337	2,324
Barrels, empty.			2
Firewood.		54	3,609
Lumber sawn, in vessels.	100	39,207	27,701
Railway ties,		849	
" staves.	1,500		
Shingles.			53
Timber, square, in vessels.	1,500	10,000	
Total.	523,159	209,628	236,003

* Of this quantity 4,191 tons were transhipped to Montreal, being grain of 1905.

SESSIONAL PAPER No. 20a

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

Articles.	Quantity passed down to Montreal.	Quantity passed down to Canadian Ports between Port Dalhousie and Cornwall.	Quantity passed down to United States Ports. ^a
1907.	Tons.	Tons.	Tons..
Barley.....	9,936	492	2,812
Cement and water-lime.....		58	.....
Coal.....	70,489	73,066	.....
Corn.....	106,299	31,901	133,493
Flour.....	3,730	61	18,898
Glass, all kinds.....	4		.....
Hay, pressed.....		81	.....
Hides and skins, &c.....		1	.....
Iron, pig.....		3,360	1,303
" all other.....	124	106	30
" ore.....		20,990	.....
Lard and lard oil.....		86	.....
Meal, all kinds.....		682	21,976
Nails.....			3
Oats.....	67,063	1,535	4,741
Oil.....	22,111	10,995	7
Oil cake.....			114
Pease.....			25
Pork.....			429
Paint.....		11	1
Pitch and tar.....	101	30	.....
Rye.....	2,263	2	2
Flaxseed.....	49,159	1,635	.....
Salt.....	143	103	.....
Seeds, all kinds.....	20		17
Soda, ash	15		.....
Sugar.....		5	1,250
Spirits, all kinds.....	1,224	561	.....
Wheat.....	*450,009	8,072	22,222
White lead.....			4
Wool.....			30
Merchandise, not enumerated.....	2,294	15	3,776
Barrels, empty.....			1
Firewood, in rafts.....			1,980
Lumber, sawn, in vessels.....		1,595	41,087
Railway ties.....	"		2,151
Shingles.....	4,180	13,442	.....
Square timber.....			70
Total	789,167	168,455	256,422

^a Of this quantity, 2,94 tons were transhipped to Montreal, being grain of 1906.

8-9 EDWARD VII., A. 1909

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &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.
		Tons.	Tons.
1896.			
Barley.....	240	181,330	11,128 118,426
Corn.....	12,373	1,454	14,351
Oats.....	3,020	10	.....
Rye.....	8,323	647	.....
Wheat.....	254,763	51,564	16,467
Total grain.....	†461,049	73,386	160,372
Other articles.....	18,393	99,564	150,977
Total.....	749,442	172,959	311,349
1897.			
Barley.....	.....	264,396	14,173 115,689
Corn.....	.....	6,774	3,046 15,233
Oats.....	.....	2,078	3
Pease.....	.....	8,435	48
Rye.....	.....	278,498	39,057 12,661
Total grain.....	.....	*560,254	53,257 157,756
Other articles.....	.....	20,793	114,989 122,207
Total.....	.....	581,047	166,246 285,963
1898.			
Barley.....	.....	3,960	1,417 6,909
Corn.....	.....	310,498	13,338 116,317
Oats.....	.....	3,975	625 12,729
Pease.....	.....	260	45
Rye.....	.....	16,133	39
Wheat.....	.....	184,706	15,860 8,612
Total grain.....	.....	**519,532	31,279 144,612
Other articles.....	.....	19,773	79,614 114,259
Total.....	.....	539,305	110,893 258,871

+ Of this amount, 5,290 tons came down to Kingston in 1895, was stored there, and transhipped to Montreal in 1906.

* 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 in 1898.

SESSIONAL PAPER No. 20a

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &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.
1899.	Tons.	Tons.	Tons.
Barley	568	.....	1,828
Corn	150,999	16,594	43,854
Oats	10,250	1	13,139
Pease . . . . .	.....	.....	.....
Rye	923	.....	.....
Wheat	169,978	24,602	9,190
Total grain	‡ 332,736	40,197	68,011
Other articles	21,739	68,671	104,727
Total	354,485	108,958	172,732
1900.			
Barley	1,288	563	1,598
Corn	109,358	9,844	44,406
Oats	8,925	348	30,840
Pease	115	.....	4
Rye	3,078	160	300
Wheat	121,896	6,610	7,541
Total grain	**244,661	17,525	84,589
Other articles	43,670	95,680	93,287
Total	288,231	113,205	177,876
1901.			
Barley . . . . .	.....	.....	.....
Corn	14,319	4,828	49,609
Oats	1,584	853	23,704
Pease . . . . .	.....	.....	.....
Rye	2,961	.....	.....
Wheat	132,702	8,051	9,057
Total grain	†151,566	13,732	83,370
Other articles	32,854	128,614	91,799
Total	184,420	142,346	175,169
1902.			
Barley . . . . .	.....	.....	7,418
Corn	1,719	10,335	55,583
Oats	1,412	.....	9,764
Pease . . . . .	.....	.....	.....
Rye	4,079	.....	.....
Wheat	200,975	12,452	8,389
Total grain	‡208,215	22,787	81,165
Other articles	42,260	32,946	179,914
Total	250,475	55,733	261,078

* 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.

† Of this quantity, 9,324 tons came down in 1900 and were transhipped to Montreal in 1901.

‡ Of this quantity, 6,096 tons came down in 1901 and were transhipped to Montreal in 1902.

8-9 EDWARD VII., A. 1909

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal, &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.
1903.			
Barley.....	2,206	1,017	11,433
Corn.....	116,223	13,846	80,689
Oats.....	2,438	.....	5,315
Pease.....	63	.....	22
Rye.....	4,200	.....	644
Wheat.....	226,746	14,199	13,725
Total grain.....	\$351,936	29,662	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
1905.			
Barley.....	43,607	2,628	9,197
Corn.....	84,204	3,095	93,622
Oats.....	21,404	3,776	10,892
Pease.....	.....	.....	76
Rye.....	1,711	.....	.....
Wheat.....	190,505	32,562	15,483
Total grain.....	**341,431	42,061	129,270
Other articles.....	107,273	123,225	104,747
Total.....	448,704	165,286	234,017
1906.			
Barley.....	21,196	984	9,266
Corn.....	55,559	15,688	140,558
Oats.....	37,164	819	11,323
Pease.....	.....	11	.....
Rye.....	1,405	6	.....
Wheat.....	***289,611	15,843	14,972
Total grain.....	404,935	33,351	176,119
Other articles.....	118,224	176,277	59,884
Total.....	523,159	209,628	236,003

§ 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.

** Of this quantity, 2,809 tons were transhipped to Montreal, being grain of 1904.

*** Of this quantity, 4,191 tons were transhipped to Montreal, being grain of 1905.

SESSIONAL PAPER No. 20a

U.—STATEMENT showing the Quantity of Through Freight passed down the Welland Canal &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.
1907.	Tons.	Tons.	Tons.
Barley.....	9,936	492	2,812
Corn.....	106,299	31,901	133,493
Oats.....	67,063	1,565	4,741
Pease.....			25
Rye.....	2,266	2	2
Wheat.....	+450,009	8,072	22,222
Total grain.....	635,573	42,032	163,295
Other articles	153,594	126,423	93,127
Total.....	789,167	168,455	256,422

† Of this quantity, 2,994 tons were transhipped to Montreal, being grain of 1906.

COMPARATIVE STATEMENT showing the quantity of Vegetable Food and Lumber passed through the Canals during the years ended,¹
December 31, 1906 and 1907.

DEPARTMENT OF RAILWAYS AND CANALS

8-9 EDWARD VII., A. 1909

VEGETABLE FOOD.							Lumber.	Total.
	Flour.	Wheat.	Corn.	Buckwheat.	Rye.	Buckwheat.	All kinds.	Tons.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Welland canal, 1906.....	18,294	326,738	211,805	31,446	49,306	1,784	1,739	64,555
" 1907.....	22,739	488,365	271,693	13,240	73,349	2,270	2,683	729,127 938,120
Increase.....	4,445	161,767	59,888	.....	24,063	486	11,944	.....
Decrease.....	.....	.....	.....	18,206	.....	.....	26,394	17,993
St. Lawrence canals, 1906.....	14,737	336,246	83,483	27,989	47,412	1,407	6,607	86,579
" 1907.....	7,585	501,888	135,166	14,399	73,455	2,729	6,377	83,794
Increase.....	.....	105,642	51,683	.....	26,043	1,322	.....	.....
Decrease.....	7,132	.....	.....	13,590	.....	716	230	2,217
Chambly canal, 1906.....	945	11	24	5	1,065	.....	1,584	38,926
" 1907.....	904	9	113	.....	1,938	.....	1,297	82,818
Increase.....	.....	.....	89	5	873	.....	.....	102,570
Decrease.....	41	.....	2	.....	.....	.....	297	87,084
Ottawa canals, 1906.....	57	.....	5	.....	1,510	.....	275	290,811
" 1907.....	57	.....	5	.....	1,429	.....	1,467	229,971
Increase.....	.....	40	.....	5	.....	.....	2	301,693
Decrease.....	.....	.....	.....	.....	81	.....	1,192	223,332
Ridvan canal, 1906.....	416	896	204	50	1,226	.....	462	26,172
" 1907.....	426	957	729	.....	1,185	13	126	29,426 26,080
Increase.....	.....	10	.....	525	.....	13	3	3,528
Decrease.....	.....	.....	61	.....	50	41	336	3,346

SESSIONAL PAPER No. 20a

St. Peter's canal, 1905.....	1,460	39	1,968	5,933	9,403	18,743
" 1906.....	1,384	23	3,136	5,806	7,331	17,704
Increase.....						
Decrease.....						
Trent Valley canals, 1906.....	76	16	4	1,288	127	2,072
" 1907.....	17	221	7	15	18	959
Increase.....						
Decrease.....						
Murray canal, 1906.....	54	474	16	23	18	214
" 1907.....	34	27	51	94	12	1,815
Increase.....	75	....	....	840	....	4,381
Decrease.....	41	....	....	746	....	5,201
Sault Ste. Marie canal, 1906.....	268,108	1,031,679	4,068	85,547	144,031	1,545
" 1907.....	345,457	1,481,959	2,604	126,433	180,307	766
Increase.....						
Decrease.....						
Total, increase,.....	77,349	450,329	1,464	40,946	45,256	8,227
Total, decrease,.....	74,482	777,287	110,675	9,840	97,412	21,445
Total, increase,.....						978,060
Total, decrease,.....						118,864

Total for year 1906.....

" 1907.....

3,393,017

4,371,077

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MRY 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics

8-9 EDWARD VII., A. 1909

CANAL
COMPARATIVE STATEMENT for years

	January.	February.	March.	Avril.	May.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Welland canal, 1906				8,433 33	21,269 06
" 1907				9,532 60	29,034 40
Increase				1,099 29	7,765 34
Decrease					
St. Lawrence canals, 1906	115 26	183 61	306 30	1,343 02	14,056 89
" 1907	256 18	45 50		238 52	18,227 97
Increase	140 92	138 11			4,171 08
Decrease			306 30	1,104 50	
Chamby canal, 1906				27 55	2,757 49
" 1907				5 47	4,422 86
Increase					1,665 37
Decrease				22 08	
Ottawa canals, 1906				737 27	4,695 15
" 1907					3,652 26
Increase					
Decrease				737 27	1,042 89
Rideau canal, 1906				59 64	820 93
" 1907					777 97
Increase					
Decrease				59 64	42 96
St. Peter's canal, 1906	12 60			66 69	293 33
" 1907	21 77				256 83
Increase	9 17			66 69	36 50
Decrease					
Trent Valley canals, 1906				2 45	129 13
" 1907				7 30	81 55
Increase				4 85	
Decrease					47 58
Murray canal, 1906				67 20	71 79
" 1907				3 23	187 97
Increase				63 97	116 18
Decrease					
Sault Ste. Marie canal, 1906					
" 1907					
Increase					
Decrease					
Total, Increase	150 09	138 11	306 30	950 01	12,548 04
Total, Decrease					

SESSIONAL PAPER No. 20a

REVENUE.

ending December 31, 1906 and 1907.

June.	July.	August.	September.	October.	November.	December.	Total.
\$ cts. 19,379 35 29,001 85	\$ cts. 20,870 82 29,975 41	\$ cts. 23,532 03 33,013 06	\$ cts. 20,561 70 28,476 86	\$ cts. 23,716 09 33,134 15	\$ cts. 21,329 33 21,398 84	\$ cts. 4,282 76 3,183 51	\$ cts. 163,374 45 216,750 68
9,622 50	9,104 59	9,481 03	7,915 16	9,418 06	69 51	..... 1,099 25	53,376 23
.....
21,383 27 22,280 09	23,149 03 26,787 14	21,725 20 24,103 17	22,051 88 25,124 30	18,878 04 23,988 87	18,758 11 21,632 02	1,071 06 3,466 12	143,021 67 166,449 88
896 82	3,638 11	2,677 97	3,072 42	5,110 83	2,873 91	2,395 06	23,428 21
.....
4,534 66 5,007 81	5,461 24 6,159 84	5,156 43 5,880 94	4,187 80 5,288 88	5,438 83 6,218 77	2,625 18 2,839 19	79 28	30,189 18 35,903 04
473 15	698 60	724 51	1,101 08	779 94	214 01	79 28	5,713 86
.....
4,662 76 3,524 54	5,359 49 3,726 43	5,359 07 4,246 26	4,039 69 3,737 76	3,817 99 4,083 54	2,067 78 2,358 65	.....	30,739 20 25,329 44
1,138 22	1,633 06	1,112 81	301 93	265 55	290 87	.....	5,409 76
.....
931 80 932 09	1,058 24 1,293 63	1,516 15 1,343 62	1,179 91 946 65	847 82 833 56	693 42 590 45	.....	7,107 91 6,717 97
.....	235 39	.....	233 26	.....	.....	.....	.....
29	.....	172 53	233 26	14 26	102 97	.....	389 94
.....
324 20 286 69	328 45 319 57	377 93 340 68	377 88 376 60	375 75 376 57	329 84 348 05	172 03 235 54	2,658 70 2,562 30
.....
37 51	8 88	37 25	1 28	.....	18 21	63 51	96 40
.....
190 04 196 71	266 24 347 23	279 32 346 95	130 00 211 34	119 44 168 61	58 95 68 24	.....	1,175 57 1,427 93
.....
6 67	80 99	67 63	81 34	49 17	9 29	.....	252 36
.....
166 44 194 43	241 95 349 14	329 06 381 28	163 53 216 39	123 85 234 62	118 10 73 56	1 10	1,283 02 1,640 62
.....
27 99	107 19	52 22	52 86	110 77	..... 44 54	1 10	357 60
.....
.....
9,851 69	12,222 93	11,680 77	11,686 39	15,720 88	3,328 29	1,437 50	77,232 16

Total, Revenue for 1905..... \$379,549 70

" 1906. 456,781 86

RICHARD DEVLIN, Compiler of Canal Statistics.

APPENDIX A.

No. 1.—GENERAL STATEMENT showing the Quantity of each Article transported on the Welland Canal and the Amount of Tolls heretofore collected (now free) during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to American Ports.		From American 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.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Ashes, pot and pearl.....																	
Apples.....																	
Agricultural products not enumerated, vegetables.....	52																
Agricultural products not enumerated, animal.....																	
Agricultural implements.....	3,800	9,194															
Barley.....	600																
Bricks.....																	
Bones.....																	
Brimestone.....																	
Buckwheat.....																	
Cement and water lime.....	1,841																
Clay, lime and sand.....	239																
Coal.....	1,282																
Corn.....																	
Cattle.....																	
Cotton (raw).....																	
Crockery and earthenware.....	135																
Dye wood and dye stuffs.....																	
Fish.....																	
Flax and hemp.....																	
Flour.....	50	2,276															
Furniture.....	3																
Gypsum.....																	
Glass (all kinds).....	279	4															
Hay (pressed).....	1,036	81															
Hogs.....																	
Horses.....																	
Hides and skins, horns and hoofs.....																	
Ice.....		1															

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

Iron, railway.....	961	961	961	961	961	961	961	961	961	961	961	961	961	961	961	961	961
" pig.....	533	3,300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	144 15
" all other.....	6,542	1,754	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	940 55
" ore.....	.....	.....	1,316	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	932 60
Kryolite or chemical ore.....	2,734	.....	19,236	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,033 30
Lard and lard oil.....	12	.....	96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,115 30
Meal, all kinds.....	540	.....	21,976	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,049 50
Meat, other than pork.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	136 70
Marble.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 20
Manilla.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19 00
Molasses.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,531 60
Nails.....	1,883	.....	60,336	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Oats (in barrels).....	1,58	21,303	1	1,441	3	2,292	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Oil cake.....	.....	.....	114	7	11,803	1559	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Pearse.....	.....	.....	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Potatoes.....	.....	.....	.....	129	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Pork.....	10	.....	.....	1	11	122	122	10	429	10	114	114	114	114	114	114	22 80
Paint.....	122	.....	.....	.....	131	86	86	131	131	131	131	131	131	131	131	131	20 70
Pitch and tar.....	86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26 20
Rags.....	.....	.....	2	2,268	.....	.....	.....	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270	22 80	
Rye.....	7,145	.....	.....	43,649	.....	.....	.....	50,794	50,794	50,794	50,794	50,794	50,794	50,794	50,794	2 50	
Flax seed.....	.....	.....	.....	.....	160	.....	.....	246	246	246	246	246	246	246	246	246	
Rosin.....	86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salt.....	.....	.....	Stone, intended for cutting.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" not suitable for cutting, unright.....	938	.....	17	.....	20	.....	.....	938	938	938	938	938	938	938	938	938	87 30
Seeds, all kinds.....	.....	.....	.....	.....	15	32	32	15	15	15	15	15	15	15	15	15	7 40
Sheep.....	32	.....	509	.....	5	1,728	1,728	47	1,728	1,728	1,728	1,728	1,728	1,728	1,728	1,728	7 80
Soda ash.....	124	.....	24,825	1,250	5	24,949	1,255	5	26,204	26,204	26,204	26,204	26,204	26,204	26,204	26,204	259 20
Suet.....	457	593	30	1,192	687	1,785	1,785	1,192	2,472	2,472	2,472	2,472	2,472	2,472	2,472	2,472	3,993 35
Sugar.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	460 05	
Spirits, beer, &c.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tobacco (raw).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tallow.....	.....	.....	132	.....	.....	.....	.....	132	132	132	132	132	132	132	132	132	
Tin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19 80	
Turpentine.....	.....	.....	.....	.....	.....	.....	.....	21,892	21,892	21,892	21,892	21,892	21,892	21,892	21,892	21,892	
Wheat.....	322,465	.....	.....	4	.....	60	60	4	488,565	488,565	488,565	488,565	488,565	488,565	488,565	488,565	48,532 31
White lead.....	60	.....	.....	21	30	81	81	30	64	64	64	64	64	64	64	64	9 80
Whiting.....	60	.....	.....	.....	.....	.....	.....	.....	81	81	81	81	81	81	81	81	12 15
Wool.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30	30	30	30	30	30	30	6 60
All other goods and merchandise not enumerated.....	18,088	1,101	23	37,845	3,776	1,472	1,472	55,956	6,349	62,305	62,305	62,305	62,305	62,305	62,305	62,305	9,638 43
Bark.....	.....	.....	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	0 20
Barrels, empty.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0 20
Boat knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
																	132 00
																	1,980

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

DEPARTMENT OF RAILWAYS AND CANALS

8-9 EDWARD VII., A. 1909

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.				
rafts.....														
Hoops.....														
Hop poles.....														
Lumber sawn in vessels.....														
" " raft.....														
Masts, spars, and telegraph poles, in vesselss.....														
Railway ties, in vessels.....														
" " raft.....														
Saw logs.....	254													
Staves and headings, barrel " " pipe.....														
Staves, salt barrel, barrel " " W. India.....														
Shingles.....														
Split posts and fence rails, in vessels.....														
" " raft.....														
Timbers square, in vessels, " " raft.....														
Traverses.....														
Woodware and wood partly manufactured.....	8													
Total freight heretofore paying tolls, now free, articles having passed the full length of the St. Lawrence Canals, free:—	39,989	452,519	2,611	26,773	177,660	219,083	10,453	525,583	290,713	1,223,968	1,454,681	40,390 33 149,126 06	189,516 39	
Bricks.....	550				6						556		556	
Cement and water lime.....	100				13						13		13	
Clay, lime and sand.....					39						100		100	
Fish.....					39						39		39	
Iron, railway.....					4,119						4,119		4,119	

SESSIONAL PAPER No. 20a

" pig.....	7,655	763	763	7,655	7,655
" all other.....	6,224	3	3	6,224	6,224
Steel.....	2,538	.....	.....	2,538	2,538
Hay, pressed.....	30	1	1	30	30
Lard and lard-oil.....	15	.....	15	15	15
Meats, other than pork.....	456	.....	456	456	456
Crockery and earthenware.....	2	.....	2	2	2
Dye woods and dye-stuffs.....	35	.....	35	35	35
Furniture.....	2,906	628	628	3,534	3,534
Glass (all kinds).....	15	.....	15	15	15
Manilla.....	50	.....	50	50	50
Molasses.....	3,331	20	20	3,331	3,331
Nails.....	126	.....	126	126	126
Oils.....	291	4	291	295	295
Paint.....	50	.....	50	50	50
Rags.....	25	.....	25	25	25
Rosin.....	5,948	37	37	37	37
Soda ash.....	5	98	98	6,046	6,046
Sugar.....	1,173	5	5	1,173	1,173
Stone, wrought.....	1	.....	1	1	1
Tin.....	283	17	17	283	283
Turpentine.....	1	356	356	18	18
White-lead.....	684	1,625	1,625	1,040	1,040
Whiting.....	14,873	101,389	101,389	16,498	16,498
Whiskey & all other spirits.....	.....	2,337	2,337	101,989	101,989
Merchandise.....	.....	.....	.....	2,337	2,337
Pulpwood.....	.....	.....	.....	.....	.....
Lumber, sawn (in vessels).....	91,495	452,519	110,556	26,773	177,650
Grand total freight..	91,495	452,519	110,556	26,773	177,650
				219,083	10,453
				525,553	390,164
				1,223,968	1,614,132
Total tools on vessels.....				12,643	12,643
" passengers.....				14,064	14,064
" free goods.....				106	106
				82	82
				07	07
				26,707	26,707
				50	50
				296	296
				89	89
Fines.....				.....	.....
* Damages.....				.....	.....
Harbour dues.....				.....	.....
Wharfage.....				.....	.....
				282	282
				56	56
				32	32
				34	34
				216,750	216,750
				68	68
Total revenue, exclusive of hydraulic rents.....				.....	.....

* Amount of damages, not included in above, \$1,062.23.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1907.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. 2.—GENERAL STATEMENT showing the Quantity of each Through Article transported on the Welland Canal and the Amount of Tolls heretofore collected (now free) during the Season of navigation in 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total Tons.		Amount of Tolls, Up.		Amount of Tolls Down.		Total Amount of Tolls.		
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Ashes, pot and pearl . . .																	
Apples																	
Agricultural products not enumerated, vegetables	52																
Agricultural products not enumerated, animal																	
Agricultural implements	3,850																
Barley	9,194																
Bricks	600																
Bones																	
Brimestone																	
Buckwheat																	
Cement and water lime	1,841																
Clay, lime and sand	239																
Coal	1,282																
Corn	250																
Cattle																	
Cotton (raw)	135																
Crockery and earthenware																	
Dye wood and dye stuffs																	
Fish																	
Flax and hemp																	
Flour	50																
Furniture	3																
Gypsum																	
Glass (all kinds)	279																
Hay (pressed)	1,096																
Hogs	81																
Horses																	
Hides and skins, horns and hoofs																	
Ice																	

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

Iron, railway.....	961	3,364		144	15
" big " all other.	6,512	1,754	1,316 2,734	7	940 56
Iron ore			19,236	53	952 60
Kryolite or chemical ore.....			6,512 1,316	4,716 4,663	981 30
Lard and lard oil.....	12	590	2,734	260	22,306
Meal, all kinds.....				1,316	65 80
Meat, other than pork.....	15	590	21,976	86	1,049 50
Marble.....	2			2,734	1,115 30
Manilla.....	33				136 70
Molasses.....	11				19 00
Nails.....	1,883	60,539	1	86	4,531 60
Oats.....		21,303	4,741	92	
Oil (in barrels).....	158		3	22,658	
Oil cake.....			11	22,568	
Pease.....			11	15	2 25
Potators.....			11	15	2 25
Pork.....	10		2,292	2	2 25
Paint.....	122		11	2	0 30
Pitch and tar.....	86		,803	159	4 96
Rags.....				11	4 95
Rye.....			11	11	1 65
Flax seed.....			11	11	283 05
Rosin.....			11	11	7,336 90
Salt.....	86		11	11	6,646 45
Stone intended for cutting.....			11	11	22 80
" wrought.....			11	11	2 50
Seeds, all kinds.....			11	11	2 50
Sheep.....			11	11	2 50
Soda ash.....	32		15	25	2 50
Steel.....	1,219		15	25	2 50
Sugar.....	124		32	25	2 50
Spirits, beer, &c.....	593		5	25	2 50
Tobacco (raw).....	657		1,192	24,949	251 00
Tallow.....			5	1,205	3,933 35
Tin.....			687	1,785	103 05
Turpentine.....				2,472	357 00
Wheat.....					460 05
White lead.....	60				
Whiting.....					
Wool.....					
All other goods and merchandise not enumerated.....	18,088	877	23	37,845	1,472
Barrel.....				55,956	6,125
Barrels, empty.....					62,081
Boat knees.....					8,393 40
Floats.....					1,225
Firewood, in vessels.....					9,618 40
					0 20
					0 20
					132 00
					1,980
					1,980

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

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total Tons.	Amount of Tolls, Up.	Amount of Tolls, Down.	Total Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
" rafts												
Pulpwood												
Hoops												
Hop poles												
Lumber, sawn, in vessels	873	26,773			14,314		1,505	879	42,682	43,561	158,07	7,679 00
" " rafts					2,151				2,151	2,151		343 72
Mast, spars, and telegraph poles, in vessels												
" " in rafts												
Railway ties, in vessels												
" " rats												
Saw logs												
Staves and headings, barrel												
" W. India												
Staves, salt barrel												
Shingles												
Split posts and fence rails, in vessels												
" " in rafts												
Timber, square, in vessels	5,042						12,580		17,622	17,622		2,613 27
Traverses	"											
Woodenware and wood partly manufactured	8							8				
Total freight heretofore paying tolls, now free, Articles having passed the full length of the St. Lawrence Canals, free:—	2,478	26,773	177,660	218,907	10,453	525,679	230,326	1,214,544	1,444,870	40,354 97	148,536 64	188,891 61
Bricks	30,735	413,095										
Cement and water lime	550				6				556			
Clay, lime and sand	100				13				13			
Fish					39				100			39

SESSIONAL PAPER No. 20a

Iron, railway.....	1,119						4,119	
" Pig.....	7,655						7,655	
" all other.....	6,224						6,987	
Steel.....	2,538						2,561	
Hay, pressed.....	30						30	
Lard and lard oil.....		1					1	
Meads, other than pork.....	15						15	
Crockery and earthenware.....	456						456	
Dye woods and dye stuffs.....	2						2	
Furniture.....	35						35	
Glass (all kinds).....	2,906						3,534	
Manilla.....	15						15	
Molasses.....	.50						.50	
Nails.....	3,331						3,331	
Oils.....	126						155	
Paints.....	291						295	
Rags.....	.50						.50	
Rosin.....	25						25	
Sodarash.....								
Sugar.....	5,948						6,046	
Stone, wrought.....	5						5	
Tin.....	1,173						1,173	
Turpentine.....	1						1	
White lead.....	283						283	
Whiting.....	1						18	
Whisky, all other spirits.....	684						1,040	
Merchandise.....	14,873						16,498	
Pulpwood.....							101,989	
Lumber sawn (in vessels).....							2,357	
Grand total, through freight	91,241	443,095	110,423	26,773	218,497	177,660	10,453	525,979
								389,777
								1,214,544
								1,604,321

Total tolls on vessels.....							12,580	83	13,963	11	26,549	94
" passengers.....							93	65	86	90	180	55
" free goods.....							\$16,919	90	.....	.....	.....	.....
Total, tolls											53,029	45
												215,029
												45

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

8-9 EDWARD VII., A. 1909

No. (A) 3.—GENERAL STATEMENT showing the quantity of each Way Article transported on the Welland Canal and the Amount of Tolls heretofore collected, (now free) during the Season of Navigation in 1906.

SESSIONAL PAPER No. 20a

Iron, railway.....	
" Pig.....	
" all other.....	
Iron ore.....	
Kryolite or chemical ore.....	
Lard and lard-oil.....	
Meal, all kinds.....	
Meats, other than pork.....	
Marble.....	
Manilla.....	
Molasses.....	
Nails.....	
Oats.....	
Oil (in barrels).....	
Oil cake.....	
Pearl.....	
Potatoes.....	
Pork.....	
Paint.....	
Pitch and tar.....	
Rags.....	
Rye.....	
Flax seed.....	
Rosin.....	
Salt.....	
Stone intended for cutting.....	
" wrong.....	
" not suitable for cutting, unwrought.....	938
Seeds, all kinds.....	
Sheep.....	
Soda ash.....	
Steel.....	
Sugar.....	
Spirits, beer, &c.....	
Tobacco (tway).....	
Tallow.....	
Tin.....	
Turpentine.....	8,262
Wheat.....	
White lead.....	
Whiting.....	
Wool.....	
All other goods and merchandise not enumerated.....	224
Barrels.....	224
Barrels, empty.....	
Boat knees.....	
Floats.....	
Fir wood, in vessels.....	

NO. (A) 3.—GENERAL STATEMENT showing the Quantity of each way article transported on the Welland Canal, &c.—*Continued*

SESSIONAL PAPER No. 11

Total tolls on vessels	62 60	94 96	157 66
" passengers.....	13 17	13 17	26 34
Grand total tolls	700 55	108 13	808 68

RICHARD DEVLIN,
Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

APPENDIX A—Continued.

No. (A) 4.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Lawrence Canals and the amount of tolls heretofore collected (now free) during the Season of Navigation in 1907.

DEPARTMENT OF RAILWAYS AND CANALS

8-9 EDWARD VII., A. 1909

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.	\$ cts.	\$ cts.	Total amount of Tolls.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.							
Ashes, pot and pearl.....	15	5,167	.....	4	.....	.....	19	5,167	.....	5,186	.....	1,167	727	68	720 35
Apples.....	3,806	.....	.....	4	.....	.....	4,114	3,809	7,923	263 35	554 17	817 52	.....	.....	.....
Agricultural products not enumerated, vegetables not agricultural, products not enumerated, animal.....	4,114	3,587	.....	.....	.....	.....	1,148	5,387	6,735	118 56	783 26	901 82	.....	.....	.....
Agricultural implements.....	74	160	.....	.....	.....	.....	74	160	234	8 89	14 15	23 04	.....	.....	.....
Barley.....	633	3,770	.....	.....	.....	.....	633	3,770	4,463	26 00	363 44	326 44	.....	.....	.....
Bricks.....	13,647	255	70	.....	.....	508	14,585	255	14,840	744 66	754 25	754 25	0 50	0 50	0 50
Bones.....	2	7	.....	.....	.....	.....	2	7	9	0 08	0 42	0 42	0 50	0 50	0 50
Brimstone.....	2,301	.....	.....	.....	.....	.....	2,301	.....	2,301	211 10	211 16	211 16	.....	.....	.....
Buckwheat.....	48	.....	.....	.....	.....	.....	48	.....	48	1 48	1 80	1 80	1 80	1 80	1 80
Cement and water lime.....	4,446	2,363	.....	.....	.....	.....	4,446	2,446	6,892	338 48	276 76	615 24	.....	.....	.....
Clay, lime and sand.....	45,947	22,295	.....	.....	.....	.....	58,310	22,295	80,535	2,349 94	886 22	3,236 16	.....	.....	.....
Cold.....	639	16,994	.....	.....	.....	.....	639	3,530	257	31 47	51,545 65	51,627 12	51,627 12	51,627 12	51,627 12
Corn.....	4,330	22,752	.....	.....	.....	.....	2,100	4,330	24,852	29,182	167 55	1,304 40	1,471 96	1,471 96	1,471 96
Cattle.....	41	76	.....	.....	.....	.....	41	76	117	1 69	5 35	7 04	8 9	8 9	8 9
Cotton (raw).....	26	84	.....	.....	.....	.....	26	84	110	3 79	12 30	16 09	16 09	16 09	16 09
Crockery and earthenware.....	637	151	.....	.....	.....	.....	637	151	788	124 65	22 56	147 20	.....	.....	.....
Dye wood and dye stuffs.....	26	8	.....	.....	.....	.....	26	8	34	4 30	1 60	5 90	5 90	5 90	5 90
Fish.....	202	11	56	.....	.....	.....	202	11	258	1 11	26 39	21 07	21 07	21 07	21 07
Flax and hemp.....	42	.....	.....	.....	.....	.....	42	.....	42	1 42	6 30	6 30	6 30	6 30	6 30
Flour.....	2,256	1,599	.....	.....	.....	.....	2,256	1,599	3,856	187 57	163 56	291 13	.....	.....	.....
Furniture.....	884	2,302	.....	.....	.....	.....	884	2,302	3,186	165 83	376 00	541 83	.....	.....	.....
Gypsum.....	4,082	374	816	.....	.....	14	4,898	.....	5,286	965 87	64 10	1,029 97	.....	.....	.....
Glass (all kinds).....	8,388	1,889	.....	.....	.....	.....	8,388	1,889	10,277	334 49	144 76	479 19	479 19	479 19	479 19
Hay (pressed).....	57	1	.....	.....	.....	.....	57	1	58	2 25	0 64	2 29	2 29	2 29	2 29
Horses.....	162	335	.....	.....	.....	11	162	335	528	10 00	19 65	29 65	29 65	29 65	29 65
Hides and skins, horns and hoofs.....	3	13	.....	.....	.....	3	13	13	16	12	0 50	0 62	0 62	0 62	0 62

SESSIONAL PAPER No. 20a.

Fee	10,727	1,266	.....	1,675 40
Iron, railway	12,049	42	1,931	1,675 40
Iron, pig	4,472	.....	1,116	1,675 40
" all other	31,768	.....	12,091	1,896 41
Iron ore	200	54	13	3,195 05
Kryolite or chemical ore	263	90	.....	11,333
Lard and lard oil	145	17	.....	1,206
Meat, all kinds	6	.....	1,049	1,267
Marble	108	7	.....	4,432
Mannila	639	295	.....	38,307
Molasses	6,978	168	21	2,870
Oats	1,763	4,751	.....	03
Oil (in barrels)	1,066	323	229	150
Oil cake	1	.....	150	1,88
Poase	79	494	.....	267
Potatoes	163	102	.....	30 80
Pork	204	15	.....	17
Paint	1,438	102	109	233
Pitch and tar	131	13	.....	99
Bags	185	104	.....	145
Rye	463	.....	145	17
Flax seed	20	809	.....	6
Rosin	39	11	.....	6
Salt	3,646	894	.....	6
Stone intended for entailing	5	740	.....	6
" wrought	5	.....	5	5
" not suitable for cutting, un wrought	396	780	77	5
Seeds, all kinds	6,507	56	.....	5
Sheep	59	4	.....	5
Soda ash	371	1	310	5
Steel	5,682	930	12	5
Sugar	22,097	639	3,077	5
Spirits, beer, &c	2,541	473	806	5
Tobacco (raw)	2	23	.....	5
Tallow	1,982	162	63	124
Tin	13	11	.....	11
Turpentine	10,633	40,789	.....	10,633
Wheat	674	11	.....	674
White lead	665	12	42	707
Whiting .....	.....	.....	.....	12
Wool .....	.....	.....	.....	719
All other goods and merchandise not enumerated	38,859	12,746	5,274	210
Barrel, cunney	1,123	1	.....	1,123
Boat knees	400	.....	.....	400

(A) 4.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Lawrence Canals, &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, — Down.		Total Amount of Tolls.			
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
firewood, in vessels,.....	2,565	930	1,770						4,365		930		5,265	291.00	15.50	306.50		
" rafts	19,774	210	231,756						251,350		210		251,740	16,738.25	4.25	16,742.50		
pulpwood																		
coops,																		
top poles,	62,930	5,187	17,630								80,607		5,187	85,794	3,545.29	233.15	3,778.44	
number, sawn, in vessels,.....																		
" " raft																		
fasts, spars and telegraph poles, in vessels,.....																		
rafts, spars and telegraph poles, in vessels,.....																		
railway ties, in vessels,.....	220	4,264	144						220		144		4,264	364	14.80	106.60		
" " raft																		
rafts																		
raw-logs																		
tavases and headings, barrel pipe,																		
" " W. India																		
tavases, salt barrel,																		
hinges,	3	9	219								222		9	231	157.09	3.00	160.09	
split posts and fence rails, in vessels,.....																		
split posts and fence rails, in rafts,.....																		
timber, square, in vessels,.....																		
rafts	1,680	251	4,292								820		1,680	1,071	1,071	62.15	62.15	
traverses.....																		
Woodenware and wood partly manufactured,	376	4											376	4	380	46.10	0.80	46.90
Total freight, heretofore paying toll, now free,.....	345,012	207,979	364,292	124	232	1,464	16,876	317,629	626,442	527,187	1,464	16,876	51,316	12	65,579.30	116,885.42		

SESSIONAL PAPER No. 20a

<i>Articles having passed the full length of the Welland Canal, free:</i>	<i>9,936</i>	<i>92,530</i>	<i>36,489</i>	<i>2,343</i>	<i>4</i>	<i>184</i>	<i>67,063</i>	<i>14,172</i>	<i>Pitch and tar</i>	<i>2,266</i>	<i>137</i>	<i>13,769</i>	<i>12,670</i>	<i>1,387</i>	<i>124</i>	<i>1,051</i>	<i>7,939</i>	<i>101</i>	<i>106,299</i>	<i>49,159</i>	<i>3,730</i>	<i>9,936</i>	<i>106,299</i>		
Barley	
Corn	
Flaxseed	
Flour	
Glass	
Iron, all other	
Merchandise	
Oats	
Oils	
Rye	
Salt	
Seeds, all kinds	
Soda ash	
Wheat	
Whiskey, &c.	
Square timber	
Coal	
Grand total, freight	501,346	884,691	264,292	124	232	2,515	18,242	429,024	784,112	1,316,354	2,100,466	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total tolls on vessels	14,475,02	11,929,71	26,404,73	.....	.....
" passengers	883,960	688	5,823	54	.....	
" free goods	
Total tolls	67,400	85	81,722	84	149,123	69	
Fines	
* Damages	
Wharfage and storage	
Other receipts	
Total revenue, exclusive of hydraulic rents	166,449	88

* Amount of damages not included in above, \$2,347.19.

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 5, 1908.

Richard Devlin,

Compiler of Canal Statistics.

DEPARTMENT OF RAILWAYS AND CANALS

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 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total Tons.		Amount of Tolls. Up.		Amount of Tolls. Down.		Total Amount of Tolls.		
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Total Tons.		\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.		
Ashes, pot and pearl																	
Apples.....	5	4,728							5	4,728	4,723	0 49	709 20		709 69		
Agricultural products not enumerated, vegetables	915	3,637							915	3,637	4,552	137 52	545 55		682 80		
Agricultural products not enumerated, animal	656	4,968							656	4,968	5,621	98 40	745 20		843 60		
Agricultural implements	41									41	41				8 20		
Barley	2,789		70							2,789	2,789				278 90		
Bricks	1,675									1,675	1,675	261 75			261 75		
Bones																	
Brimstone																	
Buckwheat																	
Cement and water lime	1,127	660							77	1,127	737	1,864	86 55	110 55		197 10	
Clay, lime and sand	533								533		336 489	533	76 20	50,440 20		50,440 20	
Coal			42,723						283,766		5,940	6,664	27 15	534 00		621 15	
Corn	724	4,260							724								
Cattle																	
Cotton (raw)	25	80							25	80		105	3 75	12 00		15 75	
Crockery and earthenware	536	100							536	100		696	119 20	20 00		139 20	
Dye wood and dye stuffs	17	8							17	8		25	3 40	1 60		5 50	
Fish	36	10							92	10		102	13 80	1 50		15 30	
Flax and hemp	42								42			42	6 30			6 30	
Flour	250	373							250	373		623	33 90	55 95		89 95	
Furniture	738	1,728							738	1,728		2,467	147 80	345 60		433 40	
Gypsum	3,776	284							14	4,562	298	4,800	918 13	59 60		977 73	
Glass (all kinds)	145	450							145	450		505	21 75	67 50		89 25	
Logs	3											6	9	0 45		0 90	
Horses																	
Hides and skins, horns and hoofs																1 35	

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

St. Lawrence Canals—Continued.

SESSIONAL PAPER No. 20a

Corn	92,530	.....	.....	.....	13,789	.....	106,299
Flaxseed..	36,489	.....	.....	.....	12,670	.....	49,159
Flour.....	2,343	.....	.....	.....	1,387	.....	3,730
Glass.....	4	.....	.....	.....	124	.....	4
Iron, all other	184	.....	.....	.....	1,059	.....	2,294
Merchandise	67,063	.....	.....	.....	.....	.....	67,063
Oats	14,172	.....	.....	.....	7,333	.....	22,111
Pitch and tar .....	.....	.....	.....	.....	101	.....	101
Rye	2,266	.....	.....	.....	.....	.....	2,266
Salt .....	.....	.....	.....	.....	143	.....	143
Seeds, all kinds .....	.....	.....	.....	.....	20	.....	20
Soda ash	435,659	.....	.....	.....	15	.....	15
Wheat	364	.....	.....	.....	14,350	.....	450,006
Whisky, &c.	4,180	.....	.....	.....	800	.....	4,180
Square timber	11,522	.....	.....	.....	58,967	1,281	70,189
Coal	1,281	.....	.....	.....	.....	.....	71,770
Grand total through freight	137,268	795,360	263,165	.....	1,051	.....	410,413
							400,433
							1,206,824
							1,607,257
Total tolls on vessels, passengers						11,394	94
" free goods						885,618	30
Total through tolls						53,953	06
						10,276	69
						1,141	65
						3,000	20
						53,953	06
						127,845	14

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canals Statistics.

APPENDIX A—Continued.

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 1907.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to Canadian Ports.		From United States to Canadian Ports.		Total Tons.		Amount of Tolls Up.		Amount of Tolls Down.		Total Amount of Tolls.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
											\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Ashes, pot and pearl.																
Apples.....	10	439														
Agricultural products, not enumerated, vegetables, not enumerated, animal.....	3,199	172														
Agricultural implements.....	492	619														
Barley	74	119														
Baum.....	693	981														
Brie.....	11,972	255														
Bones.....	2	7														
Bromstone.....	2,301															
Buckwheat and water lime.....	48															
Cement and lime.....	3,319	1,709														
Clay, lime and sand.....	45,414	22,225														
Coal.....	639	4,271														
Corn.....	3,606	18,492														
Cattle.....	41	76														
Cotton (raw).....	1	4														
Crockery and earthenware.....	41	51														
Dye wood and dye stuffs.....	9															
Fish.....	166	1														
Flax and hemp.....																
Floor.....	2,006	1,226														
Furniture.....	145	574														
Gypsum.....																
Glass (all kinds).....	306	90														
Hay (pressed).....	8,243	1,439														
Pigs?.....	57	1														
Horses.....	159	349														
Hides and skins, horns and hoofs.....	3	13														
Ice.....																

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

Iron, railway	15	1,012	1,022	0.94	38 56	39 50
" big "	238	42	42	248	1,58	36 26
" all other "	20,748	3,169	2,864	3,169	930 30	1,056 87
Iron ore	20	15	15	150	150	188
Kryolite or chemical ore	3	4	4	19	1,40	16
Lard and lard oil	238	83	258	83	341	548
Meal, all kinds	6	2	6	6	3 43	3 51
Marble	108	7	108	7	115	60
Manilla	582	295	582	295	877	40
Molasses	1,269	91	1,269	91	1,300	65
Nails	2,273	1,763	2,273	1,763	2,273	55
Oats	3,36	75	3,36	75	4,036	49
Oil (in barrels)	1	1	1	1	431	80
Oil cake	79	13	79	13	92	66
Pearl	163	92	163	92	255	77
Potatoes	183	14	183	14	183	41
Pork	218	26	218	26	218	55
Paint	49	3	1,249	3	1,249	30
Pitch and tar	56	2	66	2	66	10
Raggs	20	4	20	4	24	15
Rye	5	11	1,011	163	1,916	190
Flax seed	3,042	609	3,042	609	3,651	73
Rosin	740	740	740	740	740	75
Salt	Stone, intended for cutting					
" wrought						
" not suitable for eat-						
ting, unwharfed						
Seeds, all kinds	380	780	390	780	1,170	15
Sheep	6,460	15	6,460	15	6,475	56
Soda ash	59	4	59	4	63	31
Steel	78	1	78	1	79	30
Sugar	1,131	2	1,131	2	1,133	84
Spirits, beer, &c.	1,207	339	1,207	339	1,546	84
Tobacco (raw)	871	51	871	51	922	69
Tallow						
Tin	16	12	274	16	286	202
Turpentine	11	3	11	11	14	25
Wheat	10,353	3,816	10,353	3,816	14,169	17
White lead	151	11	151	11	162	07
Whiting	59	2	59	2	61	99
Wool						
All other goods and mer-	12,012	6,794	210	1,004	168	392
chandise not enumerated						
Barrel	1,113	1	1,113	1	1,114	23
Barrels, empty						
Boat knees						

No. (A.) 6.—GENERAL STATEMENT showing Quantity of each Way Through Article transported on the St. Lawrence Canals—*Con.*

8-9 EDWARD VII., A. 1909

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.	Amount of Tolls, Down.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.						
Floats.....			400	...							400	400		7 00	7 00	
Firewood, in vessels.....			930	...							930	930		15 50	15 50	
" rafts.....			210	1,305							3,983	210	4,173	126 75	4 25	
Pulwood.....			2,658	...											131 00	
Hoops.....																
Hop poles.....																
Lumber, sawn, in vessels.....			58,120	5,187			7				58,136	5,187	63,323	1,476 34	233 15	1,769 49
Masts, spars and rafting.....																
Masts, spars and telegraph.....																
Poles, in rafts.....			4,264	...							4,264	4,264		106 60	106 60	
Railway ties, in vessels.....			40	144							40	144	184	0 75	4 57	5 32
" rafts.....																
Saw logs.....																
Staves and headings, barrel.....											2	2	2	0 20		0 20
" " pipe.....											1	9	10	0 05	3 00	3 05
India.....																
Staves, salt barrel.....																
Shingles.....			1	9												
Split posts and fence rails, in vessels.....																
Split posts and fence rails, in rafts.....																
Timber, square, in vessels.....			230	4,292							230	5,972	42 00	2 75	2 75	
" " rafts.....			1,680	...							1,680	4,292	109 35	151 35		
Traverses.....																
Woodenware and wood partly manufactured			349	4							349	4	353	35 30	0 80	36 10
Total rate here to fore paying tolls, now free....			208,875	80,181	1,307	274	232	1,464	16,876	18,611	227,290	109,530	336,820	10,142 67	4,721 09	14,863 76

SESSIONAL PAPER No. 20a

Coal, free, per Order in Council	155,023	.....	.....	.....	.....	.....	.....	156,389	.....	.....	156,389
Grand total, way freight ..	363,898	89,181	1,397	274	232	1,464	18,242	18,611	383,679	109,530	493,299
Total tolls, on vessels . . . . .	.....	.....	.....	.....	.....	1,366	.....	156,389	.....	.....	4,733 10
" passengers . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" free goods . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total way tolls . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	3,080 08	1,653 02	4,733 10
									468 06	1,213 63	1,681 69
								
									88,342 38	.....	.....
								
									13,690 81	7,587 74	21,278 55

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1907

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. (A) 7.—GENERAL STATEMENT showing the Quantity of each Article transported on the Ottawa Canals and the amount of tolls heretofore collected, now free, during the season of Navigation in 1907.

SESSIONAL PAPER No. 20a

" ore	108	108	7 87
Kryolite or chemical ore	2	2	
Lard and lard oil	165	165	20
Meal, all kinds		165	9 56
Meat, other than pork			
Marble			
Manilla	3	3	
Molasses	1	1	87
Nails	1,429	1,429	
Oats			
Oil (in barrels)			
Oil cake			
Peease			
Potatoes	702	702	
Pork	25	25	41 16
Paint			1 48
Pitch and tar			
Rags	99	99	18 81
Rye	195	195	35 78
Flax seed			
Rosin			
Salt			
Stone intended for cutting			
" wrought			
" not suitable for cutting, unwrought			
Seeds, all kinds	5	5	49
Sheep	203	203	17 66
Soda ash			
Steel			
Sugar			
Spirits, beer, &c.	9	9	1 44
Tobacco (raw)			
Tallow	11	11	2 09
Tin			
Turpentine			
Wheat			
White lead			
Whiting			
Wool			
All other goods and merchandise not enumerated			
Bark	2,840	2,840	391 75
Barrels	123	123	20 65
Barrels, empty			
Boat knees			
Fleets			
Fire wood, in vessels			
rafts			
Pulpwood			
Hoops	17	17	1 50
Hop poles			
Lumber, sawn, in vessels			
53,698	220,837	16,972 26	
167,739			

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

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total, Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Lumber, sawn, in rafts..			134								134	134
Masts, spars, and telegraph poles, in vessels..												
" " " raft.											116	116
Railway ties, in vessels..			116									20 01
" " " raft.												
Saw logs												
Staves and headings, barrel.												
" " pipe												
Staves, salt barrel			3									
Shingles...												
Split posts and fence rails, in vessels												
" " raft.												
Timber, square, in vessels..												
" " raft.			200									2 10
Traverses												
Woodenware and wood partly manufactured												
Total freight heretofore paying tolls, now free..	324	284,428					53,098				324	337,526
Total tolls on vessels.....												337,526
" " passengers.....												
Total tolls.....												22,279 39

2,857 55
192 50
25,329 44

Total tolls on vessels.....
" " passengers.....
Total tolls.....

DEPARTMENT OF RAILWAYS & CANALS,
OTTAWA MAY, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

SESSIONAL PAPER No. 20a

APPENDIX A—Continued.

No. 8.—GENERAL STATEMENT showing the Quantity of each Article transported on the Chamby Canal and the amount of Tolls heretofore collected (now free) during the Season of Navigation in 1907.

No. (A) 8.—GENERAL STATEMENT showing the Quantity of each Article transported on the Chamby 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.		\$ cfs. 831 55 72 30
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	
Iron ore.....											16,631	16,631	
Kryolite or chemical ore.....											1,446	1,446	
Lard and hard oil.....													
Meal, all kinds.....	284												
Meat, other than pork.....													
Marble.....													
Manilla.....													
Molasses.....													
Nails.....													
Oats.....	16	1,922											
Oil (in barrels).....	123												
Oil cake.....	1	4											
Pease.....	2	4											
Potatoes.....	6	49											
Pork.....	2	40											
Paint.....													
Pitch and tar.....													
Bags.....													
Rye.....													
Flax seed.....													
Rosin.....	2												
Salt.....	253												
Stone intended for cutting.....													
" wrought.....													
" not suitable for cutting, unwrought.....													
Seeds, all kinds.....	34												
Sheep.....	1	65											
Soda ash.....													
Steel.....	10												
Sugar.....	194	6											
Spirits, beer, &c.....	85												
Tobacco, (raw).....													
Tallow.....													
Tin.....													
Turpentine.....													
Wheat.....													
White lead.....													
	8												
											287	287	
											1	9	32

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

Whiting.....	971	959	478	.....	3,242	1,449	4,201	5,630	365 88
All other goods and merchandise not enumerated.....	3	64	.....	.....	3	64	67	67	2 34
Bark.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barrels, empty.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boat knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fleats.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fire wood, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" rafts.....	3	415	398,544	.....	398,547	415	398,902	13,357 20	.....
Pulpwood.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hoops.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hop poles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lumber, sawn, in vessels.....	320	18	82,478	.....	82,758	18	82,816	4,893 81	7
" rafts.....	2	122	.....	.....	2	122	122	122	4 68
Masts, spars, and telegraph poles, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railway ties, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saw logs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Staves and headings, barrel	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " pipe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Staves, salt barrel	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shingles.....	78	78	.....	.....	78	78	78	78	11 28
Split posts and fence rails, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" " raft.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Timber, square, in vessels.....	45	45	.....	.....	45	45	45	45	8 00
" " rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Traverses.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woodenware and wood partly manufactured.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total freight heretofore laying tolls, now free	4,817	10,227	483,423	.....	126,815	483,240	137,042	625,282	30,568 73
Total tolls on vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	5,257 12
" passengers .....	.....	.....	.....	.....	.....	.....	.....	.....	55 69
Total tolls .....	.....	.....	.....	.....	.....	.....	.....	.....	78 50
Fines .....	.....	.....	.....	.....	.....	.....	.....	.....	35,903 04
Total revenue exclusive of hydraulic rents .....	.....	.....	.....	.....	.....	.....	.....	.....	.....

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. (A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal and the Amount of Tolls heretofore Collected, now Free, during the Season of Navigation in 1907.

Articles.	From Canadian to Canadian Ports.				From Canadian to United States Ports.				From United States to Canadian Ports.				Tons.				Total tons.	Amount of Tolls.	\$ ets.
	Up.		Down.		Up.		Down.		Up.		Down.		Up.		Down.				
Ashes, pot and pearl...		1	4											1	4		5		13
Apples...	23	32												23	32		55	1	47
Agricultural products not enumerated...	91	1,231												1,231	1,322		40	45	40
" "	121	141												121	141		262	25	73
Agricultural implements...																			
Barley...	761	77												761	77		838		19
Bricks...																			72
Bones...																			
Brunstone...																			
Buckwheat...	140	1,296												140	1,296		1,436		51
Cement and water-line...	10,860	8,305												10,860	8,305		19,165		450
Clay, lime and sand...	645	407												645	9,348		9,933		313
Coal...	12	717												12	717		729		17
Corn...	1													1			1		40
Cattle...																			
Cotton (raw)...	9	32												9	32		41		69
Crockery and earthenware...																			
Dye wood and dye stuffs...																			
Fish...																			
Flax and hemp...	137	289												137	289		426		99
Flour...	33	61												33	61		94		92
Furniture...																			
Gypsum...	224	25												224	25		249		11
Glass (all kinds)...																			
Hay (pressed)...	1,700	147												1,700	147		1,847		47
Hogs...																			
Horses...	1	6												1	6		7		19
Hides and skins, horns and hoofs...																	12		33
Ice...																	1		02

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

" railway.	20							
" pig.	1,487	91						
" all other ore.	63	384						
Kryola or chemical ore.	19	5						
Lard and lard oil.	44	1						
Meat, all kinds.	44	1						
Meat, other than pork.	203	9						
Marble.	510	20						
Manilla.	113	1,072						
Molasses.	370	231						
Nails.	9	5						
Oats.	2,198	233						
Oil, in barrels.	111	4						
Oil cake.	10	1						
Pense.	101	6						
Potatoes.	105	1						
Pork.	34	25						
Paint.	11	97						
Pitch and tar.	14	14						
Rags.	11	13						
Rye.	2,198	233						
Flaxseed.	111	4						
Rosin.	2,198	233						
Salt.	111	4						
Stone intended for cutting.	2	1						
" wrought.								
" not suitable for cutting, unwrought.								
Seeds, all kinds.	25	2						
Sheep.	414	199						
Soda ash.	502	153						
Steel.		3						
Sugar.								
Spirits, beer, &c.								
Tallow.								
Tin.								
Turpentine.								
Wheat.	105	1						
White lead.								
Whiting.								
Wool.	3,290	2,313						
All other goods and merchandise not enumerated.	7	2						
Bark.	27	74						
Barrels, empty.								
Boat knots.								
Floats.								
Firwood, in vessels.								
" rafts.								
Pulwood.	3,122	2,382						

(A) 9.—GENERAL STATEMENT showing the Quantity of each Article transported on the Rideau Canal, &c.—*Continued.*

SESSIONAL PAPER No. 20a

Total tolls on vessels.....	2,545 78
" passengers.....	613 03
Wharfage	6,472 37
Winterage .....	.....
Other receipts.....	.....
Total revenue, exclusive of hydraulic rents.	.....

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

8-9 EDWARD VII., A. 1909

(A) 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peters Canal and the amount of Tolls heretofore collected (now free) during the Season of Navigation in 1907.

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, \$ cts.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, pot and pearl.												
Apples	183										183	1.83
Agricultural products not enumerated, vegetables.	885										885	8.85
" animal.	2										2	0.02
Agricultural implements.	3										3	0.03
Barley	4										4	0.04
Bricks	384										384	3.84
Bones	190										190	1.90
Buckwheat												
Cement and water lime	158	1,127									1,127	12.85
Clay, lime and sand	37	338									338	4.45
Coal.	463	36,166									36,166	366.29
Corn.	23										23	0.23
Cattle	4										4	0.04
Crockery and earthenware.												
Cotton (raw)	18										18	0.18
Dye wood and dye stuffs.												
Fish.	105	1,689									1,689	17.94
Flax and hemp.												
Furniture.	1,384										1,384	13.84
Glysum.	10	2									2	0.12
Glass (all kinds).	9										9	0.09
Hogs.												
Hides and skins, horns and hoofs.												
Ice.	917										917	9.17

SESSIONAL PAPER No. 20a

Iron, railway.....	4		4	0 04
" pig.....	53	19	19	72
" all other.....				0 72
Iron ore.....	175		175	1 75
Kryolite or chemical ore				
Lard and lard oil				
Mead, all kinds.....	545		545	5 95
Meat, other than pork.....	379		379	3 98
Marble.....	7	2,391	2,391	23 98
Manilla.....	18		18	0 18
Molasses.....	457		457	4 57
Nails.....	37		37	0 37
Oats.....	3,156		3,156	31 56
Oil (in barrels),	257	22	297	3 19
Oil cake.....				
Pease.....	5,028		5,028	50 28
Potatoes.....	354		354	3 54
Pork.....	8		8	0 08
Paint.....				
Pitch and tar.....	14		14	0 14
Rags.....				
Rye.....				
Flax seed.....				
Rosin.....				
Salt.....	739		739	7 39
Stone intended for cutting.....				
" wrought.....	10	5,212	10	10
" not suitable for cutting, unwrought.....	100		100	0 10
Seeds, all kinds.....				
Sheep.....				
Soda ash.....				
Steel.....				
Sugar.....	386		386	3 86
Spirits, beer, &c.....	24		24	0 24
Tobacco (raw),				
Tallow.....				
Tin.....	58		58	0 58
Turpentine.....				
Wheat.....				
White lead.....				
Whiting.....				
Wool.....				
All other goods and merchandise not enumerated.....				
Bark.....	838	10	838	848
Barrels, empty.....	15	9	9	8 48
Boat knees.....				
Floats.....				
Firewood, in vessel.....				
" In rafts.....				
Pulpwood.....				

No. (A) 10.—GENERAL STATEMENT showing the Quantity of each Article transported on the St. Peter 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. cts.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Hoops.....												
Hop poles.....	2											
Lumber, sawn, in vessels.....	7,326	5							7,326	5	7,331	0 02
" in rafts.....											73 31	
Masts, spars, and telegraph poles, in vessels.....	1								1		1	0 01
" " in rafts.....												
Railway ties, in vessels.....	55								55		55	0 55
" in rafts.....												
Saw logs.....	98	85							98	85	183	1 83
Staves and headings, barrels " pipe.....												
Staves, salt barrel.....												
Shingles.....	225								225		225	2 25
Split posts and fence rails, in vessels " in rafts.....	90								90		90	0 90
Timber, square, in vessels " in rafts.....	330	95							330	95	425	4 25
Traverses.....												
Woodenware and wood partly manufactured.....	75								75		75	0 75
Total freight here-tofore paying tolls, now free.....	25,756	47,411							25,756	47,411	73,167	731 67
Total tolls on vessels.....												1,830 63
Total receipts.....												\$2,562 30

RICHARD DEVLIN,
Compiler of Canals Statistics.

DEPARTMENTS OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

APPENDIX A—*Continued.*

No. (A) 11.—GENERAL STATEMENT showing the Quantity of each Article transported on the Trent Valley Canals and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

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.		Amount of Tolls. — \$ ets.	
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.
Ashes, pot and pearl.....	10		41						10		10		10	
Apples.....	3	2							3	2	41		10	
Agricultural products not enumerated, vegetables, animal.....	10	141							10	48	141	189	5	10
Barkley.....	48								48				10	01
Bricks.....													10	10
Bones.....													178	
Brinstone.....														
Buckwheat.....														
Cement and water lime.....	521	79							521	79		600		60
Clay, lime and sand.....	112	115							112	62		112		15
Coal.....	62	23							62	23		177		23
Corn.....	2								2			23		01
Cattle.....														
Cotton (raw).....	1								1			1		
Crockery and earthenware.....														
Dye wood and dye stuffs.....														
Fish.....														
Flax and hemp.....	5	12							5	12		17		12
Flour.....	16	7							16	7		23		13
Furniture.....														
Gypsum.....														
Glass (all kinds).....														
Hay (bressed).....														
Horses.....	16								16			16		
Hides and skins, horns and hoofs.....	219	222							219	222		441		640
Ice.....	1	1							1	1		2		01
Iron, railway.....														
Pig.....														
" all other.....														
Iron ore.....														
Kryolite or chemical ore.....														
Lard and lard oil.....														
Meal, all kinds.....														
Meat, other than pork.....														
Marble.....														

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

8-9 EDWARD VII., A. 1909

SESSIONAL PAPER No. 20a

Total tolls on vessels.....	703.25
passengers.....	343.75
Total tolls.....	1,427.93
Other receipts.....	.....
Total revenue exclusive of hydraulic rents.....	.....

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MAY 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

8-9 EDWARD VII., A. 1909

No. (A) 12.—GENERAL STATEMENT showing the Quantity of each Article transported on the Murray Canal, and the Amount of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

SESSIONAL PAPER No. 20a

Meat, other than pork	47	38	47	38	85	1 60
Marble.						
Manilla.	8	13	8	13	21	0 53
Manilla.	717	65	717	65	782	19 52
Molasses.						
Nails.						
Oil, in barrels.						
Oil (in barrels.)	140	301	140	301	441	11 01
Oil cake.						
Pearse.						
Potatoes.		60		60		1 13
Pork.						
Paint.	120	50	120	50	170	4 19
Pitch and tar	10	5	10	5	15	0 38
Rags	8	15	8	15	23	0 57
Rye						
Fax seed.						
Rosin.						
Salt.						
Stone intended for cutting						
^a wrought						
^a not suitable for cutting, unwrought						
Seeds, all kinds						
Sheep						
Soda ash						
Steel	20	30	20	30	50	1 01
Steel	411	344	411	344	755	18 82
Steel	277	322	277	322	599	15 09
Sugar						
Spirits, beer &c						
Tallow						
Tin.	10	15	10	15	25	0 61
Turpentine						
Wheat						
White lead						
Whiting						
Wood, other goods and merchandise not enumerated	3,925	4,066	3,925	4,026	7,991	200 55
Bark						
Barrels, empty						
Boat knees						
Floats						
Firewood, in vessels						
Hoops, in rafts						
Lumber, staves, in vessels						
Masts, spars and telegraph poles, in vessels						
Railway ties, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles						
Split posts and fence rails, in vessels						
Saw logs, in rafts						
Staves and headings, barrels						
Pipe						
West India						
Staves, salt barrel						
Shingles			</td			

DEPARTMENT OF RAILWAYS AND CANALS

8-9 EDWARD VII., A. 1909

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. \$ ets.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Timber, square, in vessels.....												
" rafts.....												
Traverses.....												
Woodenware and wood partly manufactured.....												
Total freight heretofore paying tolls, now free.....	11,960	13,560	390						26,492	12,350	40,052	52,402
Total tolls on vessels.....												1,022 91
Total tolls on passengers.....												363 39
Total tolls, exclusive of hydraulic rents.....												254 32
												1,640 62

RICHARD DEVLIN,
*Compiler of Canal Statistics.*DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MAY 8, 1908.

SESSIONAL PAPER No. 20a

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste. Marie Canal during the Season of Navigation in 1907.

8-9 EDWARD VII., A. 1909

No. (A) 13.—GENERAL STATEMENT showing the Quantity of each Article transported on the Sault Ste. Marie 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.		Total Tons.	Amount of Tolls.	\$ cts.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.			
Meat, other than pork ..											
Marble.....	30										30
Manilla.....	6,623	160,729									6,623
Molasses.....	622										189,307
Nails.....	726	60									1,250
Oats.....											1,308
Oil (in barrels).....											
Oil cake.....											
Pease.....	127										127
Potatoes.....	39										39
Pork.....											
Paint.....											
Fitch and far.....											
Rags.....											
Rye.....											
Rosin.....											
Salt.....	2,152	113									
Stone intended for cutting.....											
" wrought.....											
" not suitable for cutting, unwrought.....											
Seeds, all kinds.....											
Sheep.....											
Soda Ash.....											
Steel.....	241	5,712									
Sugar.....	2,348										
Tobacco (raw).....	724										
Tallow.....											
Tin.....	601	11									
Turpentine.....											
Wheat.....	2,415	900,316									
White lead.....	50										
Whiting.....											
Wool.....	10										50
All other goods and merchandise not enumerated.....	188,011	6,966	15,469	57,887	1,561	3,566	4,330	33	265,697	1,664	1,004
Bark.....			244					435	244	244	276,664
Barrels, empty.....										120	120
Boat knees.....											
Floats.....											
Fire wood, in vessels.....											
" rafts.....											
Hoops.....											
	225	144							225	144	369

SESSIONAL PAPER No. 20a

Hop poles.....	501	122	24,391		34,310	1,542	1,825	2,043	60,638	62,691
" Lumber, sown, in vessels.....										
rafts.....										
Masts, spars, and telegraph poles, in vessels.....										
rafts.....										
Railway ties, in vessels.....										
rafts.....										
Saw logs.....	5,773	2,005	3,283	135	751	1,476	780	9,807	4,396	14,203
Staves and headings, barrelled.....										
" pipe.....										
" West India.....										
Staves, salt barrel.....	3									
Shingles.....										
Split posts and fence rails, in vessels.....										
Timber, square in vessels.....	446	720								
" rafted.....										
Traverses,.....										
Woodenware and wood partly manufactured.....										
Total freight.....	351,249	1,380,192	28,296	197,597	1,814,067	10,786,182	790,674	239,908	2,984,286	12,603,879
										15,588,165

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, MAY 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 1.</i>						
Canadian vessels, steam.....	593,628	10,059 28	1,084,735	\$ 590 36	73,793	215 02
United States vessels, steam.....	766,252	11,634 07	304,301	2,581 29	217	6 18
Canadian vessels, sail.....	160,085	3,580 29	1,277,944	13,462 10	24,845	284 09
United States vessels, sail.....	63,748	1,433 86	129,147	1,770 98	352,410	4,751 83
Total, class No. 1.....	1,583,713	26,707 50	2,796,127	26,404 73	451,265	5,257 12
<i>Class No. 2.</i>						
Passengers.....	3,213	206 89	102,597	5,823 54	3,333	58 69
<i>Class No. 3.</i>						
Bricks.....	600	90 00	14,840	754 25	1,522	133 83
Brimstone.....			2,301	211 10		
Cement and water lime.....	1,899	287 75	6,892	615 24	631	56 49
Clay, lime and sand.....	239	35 85	80,535	3,236 16	18,017	1,787 47
Fish.....	20	3 00	269	22 61	1	0 04
Gypsum.....						
Iron, railway.....	961	144 15	11,933	1,675 40	793	76 61
" pig.....	4,716	940 55	12,091	1,806 41		
" all other.....	6,802	1,033 30	39,307	3,195 05	429	26 80
Steel.....	1,728	259 20	6,624	867 05	10	0 34
Salt.....	246	49 20	4,540	437 84	255	10 25
Stone for cutting.....			740	30 75		
Apples.....			5,186	729 35	952	49 54
Barley.....	13,240	1,324 00	4,463	329 44		
Buckwheat.....			48	1 80	2	0 07
Corn.....	271,693	27,169 30	29,182	1,471 95	113	3 87
Cotton (raw).....			110	16 09		
Flax and hemp.....			42	6 30		
Flour.....	22,739	4,545 30	3,855	291 13	904	30 40
Hay (pressed).....	1,177	180 60	10,277	479 19	7,417	335 21
Meals (all kinds).....	22,658	4,531 60	333	24 24	284	9 66
Oil cake.....	114	22 80	1	0 06	5	0 18
Oats.....	73,369	7,336 90	6,514	376 85	1,938	64 81
Pease.....	25	2 50	573	52 27	6	0 22
Potatoes.....			265	14 91	55	1 91
Rye.....	2,270	227 00	463	46 30		
Flaxseed.....	50,794	5,079 40	829	82 75		
Seeds (all kinds).....	37	7 40	6,640	268 11	34	1 16
Tobacco (raw).....			23	3 45		
Wheat.....	488,565	48,552 31	51,442	4,224 87	9	0 32
All other agricultural products, vegetables.....	59	8 85	7,923	\$ 17 52		
Bones.....			9	0 50		
Cattle.....			117	7 04	78	2 74
Hogs.....			58	2 29	16	0 84
Hides and skins, horns and hoofs.....	1	0 20	16	0 62	1	0 04
Horses.....	1	0 15	528	29 65	22	0 86
Lard and lard oil.....	98	19 00	267	38 46		
Meats (other than pork).....	15	2 25	162	22 00		
Pork.....	439	87 30	219	21 00	42	1 52
Sheep.....			63	2 61	66	2 33
Tallow.....			2	0 30		
Wool.....	30	6 00				
All other agricultural products, animal.....			6,735	901 82	95	3 19
Total, class No. 3.....	964,535	101,945 86	316,437	23,114 73	33,697	2,600 54

SESSIONAL PAPER No. 20a

A—Continued.

of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

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.
212,243	310 89	133,526	1,007 39	154,305	2,007 21	24,488	489 77	203,204	693 35	2,048,142
360	2 75			576	19 74			4,132	9 90	9,746,717
17,653	43 75	113,264	1,342 59	29,750	460 05	66,628	1,333 76			106,546
367	6 00	12,455	507 57	3,365	58 78	355	7 10			214,564
230,623	363 39	269,245	2,857 55	187,996	2,545 78	91,471	1,830 63	207,336	703 25	12,115,969
No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
20,751	254 32	18,777	192 50	22,445	613 03			77,423	343 75	30,660
Tons.	Tons.			Tons.		Tons.		Tons.		
				838	19 72	384	3 84	189	1 78	2,024
		1,809	175 39	1,436	51 88	1,285	12 85	600	0 60	63,782
		52,930	2,939 58	19,165	450 36	425	4 25	112		2,751
				7	0 17	1,794	17 94			575
26	0 38			20	0 47			3		90,515
				31	0 73	4	0 04	3		22,602
1,617	30 76	108	7 87	1,578	39 32	72	0 72	56		14,128
50	1 01			32	1 34			25		11,710
533	10 13			2,431	62 26	739	7 39	1		10,147
947	17 53	600	34 17	111	2 60	10	0 10	965		5,595
840	12 69			5	0 13	183	1 83	10	0 10	375
	3	0 18				4	0 04	10	0 10	126,493
	5	0 22		729	17 40	23	0 23	23	0 23	2,604
20	0 37									
75	1 40	57	5 11	426	10 99	1,384	13 84	17	0 12	345,457
70	0 62	1,731	161 47	1,847	47 95	917	9 17	16		1,639
5	0 10	165	9 56	110	2 69	595	5 95	11	0 13	25,431
										1,908
	1,429	131 24	1,185	48 00	3,156	31 56		23		189,307
60	1 13			1	0 03			157	1 57	
		702	41 16	10	0 25	5,028	50 28	348	2 72	127
				13	0 31					8,626
	5	0 49		3	0 09					148,158
				3	= 0 09					
				957	22 34			221	2 21	1,481,999
1,504	28 44	287	17 49	55	1 47	885	8 85			265
		10	0 68			190	1 90			
		339	25 48	1	0 03	4	0 04	2	0 01	11
		59	4 62					441	6 40	4
		12	1 11	12	0 33					8
23	0 49	165	9 86	7	0 19			2	0 01	36
41	0 77	2	0 20	74	2 54					20
85	1 60			45	1 70	379	3 79			
		25	1 48	106	3 02	354	3 54			
		203	17 66							32
					1	0 03				1,604
1,115	20 93	2,443	227 14	1,322	40 95	2	0 02	41		
7,005	128 35	63,089	3,812 16	32,561	829 38	17,817	178 17	3,276	15,98	2,558,856

APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 4.</i>		\$ cts.		\$ cts.		\$ cts.
Ashes, pot and pearl.....			234	23 04	95	3 21
Agricultural implements.....	3,890	583 50	788	147 26	69	6 37
Clockery and earthenware.....	140	21 00	34	5 90	12	1 20
Dye woods and dye stuffs.....			3,186	541 83	66	2 30
Furniture.....	3	0 45	5,286	1,029 97	4	0 14
Glass (all kinds).....	283	42 65				
Marble.....	2	0 30	6	0 60		
Manilla.....	33	4 95	115	20 59		
Molasses.....	11	1 65	934	116 33	66	2 29
Nails.....	1,886	283 05	7,167	1,381 33	40	1 44
Oil (in barrels).....	33,272	6,646 45	1,609	291 11	143	6 32
Paint.....	134	20 70	1,649	313 31	72	2 57
Pitch and tar.....	217	39 10	1,344	86 51	1,152	168 05
Rags.....			289	51 30	5	0 17
Rosin.....			1,215	64 75	1,872	194 08
Soda ash.....	47	7 80	682	128 95		
Sugar.....	26,204	3,993 35	25,813	5,031 56	170	5 91
Stone (wrought).....			5	1 00	220	22 00
Tin.....	132	19 80	2,331	434 28		
Turpentine.....			35	3 80	287	28 70
White lead.....	64	9 80	685	132 06		
Whiting.....	81	12 15	719	137 69		
Whiskey and all other spirits.....	2,472	460 05	3,820	716 56	85	2 93
Merchandise (not enumerated).....	62,305	9,638 93	60,893	9,962 64	5,650	365 88
Total, class No. 4.....	131,176	21,785 68	118,839	20,622 31	10,008	813 56
<i>Class No. 5.</i>						
Bark.....						
Barrels (empty).....	1	0 20	1,124	64 53	67	2 34
Boat knees.....						
Floats.....			400	7 00		
Fir wood (in vessels).....	1,980	132 00	5,295	306 50		
" (in rafts).....						
Pulpwood.....			251,740	16,742 50	398,962	13,337 20
Lumber, sawn (in vessels).....	43,561	7,837 07	85,794	3,778 44	82,816	4,893 81
" (in rafts).....					2	0 07
Hoops.....						
Railway ties (in vessels).....	2,151	343 72	364	19 37		
" (in rafts).....						
Masts, spars and telegraph poles (in vessels).....						
Masts, spars and telegraph poles (in rafts).....			*			
Square timber (in vessels).....	17,622	2,643 27	4,264	106 60	122	4 08
" (in rafts).....			1,071	52 15		
Woodenware and wood partly manufactured.....			5,972	151 35	45	8 00
Shingles.....	8	3 20	380	46 90		
Split posts and fence rails (in vessels).....	70	48 75	231	160 09	78	11 28
" (in rafts).....						
Saw logs.....	387	35 36	520	48 00		
Staves and headings (barrel).....						
" (pipe).....			2	0 20		
" (West India).....						
" (salt barrel).....						
Traverses.....						
Hop poles.....						
Total, class No. 5.....	65,780	11,043 57	357,157	21,483 63	482,092	18,256 78

SESSIONAL PAPER No. 20a

A—Continued.

of Tolls heretofore collected, now free, during the Season of Navigation in 1907.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls. 0	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
46	1 16	28	5 14	262	25 73	3	0 03	5	0 01	3,945
190	4 78			41	3 69	18	0 18	1		101
47	1 18									
636	15 84	105	15 76	94	8 92	12	0 12	23	0 13	5
553	13 91	40	7 60	249	23 11	9	0 09			1,028
						2,398	23 98			
		3	0 57	14	1 40	18	0 18			
21	0 53			212	18 44	457	4 57			30
782	19 52	1	0 10	530	58 49	37	0 37			6,623
441	11 01			601	54 56	319	3 19	2		1,250
170	4 19			106	10 43	8	0 08			39
15	0 38	99	18 81	59	5 15	14	0 14			
23	0 57	195	35 78	108	9 45					
				14	1 24					
				2	0 18					
755	18 82			613	67 29	385	3 85			2,648
25	0 61	11	2 09	4	0 36	58	0 58	165		601
93	2 33			106	9 88					
599	15 09	9	1 44	655	59 57	24	0 24			50
7,991	200 55	2,840	391 75	5,603	526 57	848	8 48	1,049	9 03	754
										276,664
12,387	310 47	3,331	479 04	9,273	884 46	4,608	46 08	1,245	9 17	293,828
60	1 50	123	20 65	9	0 69	24	0 24	61	0 58	244
				1 01	6 74					120
2,160	18 00	32,160	270 66						6,990	29 26
		17,790	691 64	5,504	96 70	215	2 15	26,686	129 34	369
766	8 61	220,837	16,972 26	22,567 1,058	43	7,331	73 31	4,351	13 81	62,691
		134	6 40	77	2 92			30		
		17	1 50							
		116	20 01			55	0 55	28	0 37	375
								282	5 75	
						1	0 01	46		
								155	2 00	42
		200	2 10	1,600	29 88	425	4 25	1,093		1,823
								3,050	23 75	43
				38	2 83	75	0 75	2		
		3	0 47	168	48 68	225	2 25	113	1 68	18,199
						90	0 90	1		
				93	2 10	183	1 83	20,242	145 99	14,203
						2	0 02			
2,986	28 11	271,380	17,985 69	30,157	1,248,97	8,626	86 26	63,130	352 53	98,112

8-9 EDWARD VII., A. 1909

APPENDIX

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Special Class.</i>						
Coal.....	267,212	\$ 53,442 40	359,876	\$ 51,627 12	80,736	\$ 7,903 82
Kryolite or chemical ore.....	2,734	136 70	150	1 88	1,446	72 30
Copper ore.....						
Iron ore.....	22,306	1,115 30			16,631	831 55
Stone (unwrought, not suitable for cutting).....	938	46 88	1,170	45 75	672	30 18
Ice.....						
Total, special class.....	293,190	\$ 54,741 08	361,196	\$ 51,674 75	99,485	\$ 8,837 85
Total freight and tolls.....	1,454,681	216,430 78	1,153,629	\$ 149,123 69	625,282	\$ 35,824 54
Timber and other wood, free.....	104,326	7,000 20	4,180	289 00		
Wheat, corn, flour, iron, salt, coal, &c., &c., free.....	55,125	9,119 70	942,657	\$ 93,671 68		
Grand total (passengers and tonnage of vessels not included).....	1,614,132	232,550 68	2,100,461	\$ 243,084 37	625,282	\$ 35,824 54

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, April 15, 1907.

SESSIONAL PAPER No. 20a

A—*Concluded.*

of Tolls heretofore collected, now fr. e, during the Season of Navigation of 1907.

Murray Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls. 0	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
30,024	555 98	50	2 50	9,993	343 71	36,629	366 29	177	0 15	2,533,827
		384	7 02	175	1 75					19,384
										10,066,079
				5,312	53 12	1,978	3 10			18,079
				1 0 02						
30,024	555 98	50	2 50	10,378	350 75	42,116	421 16	2,155	3 25	12,637,369
52,402	1,640 62	337,850	25,329 44	82,369	6,472 37	73,167	2,562 30	69,806	1,427 93	15,588,165
52,402	1,640 62	337,850	25,329 44	82,369	6,472 37	73,167	2,562 30	69,806	1,427 93	15,588,165

RICHARD DEVLIN,
Compiler of Railway Statistics.

SUPPLEMENTARY

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
Vessels of all kinds	1,583,713	\$ 26,707 50	2,796,127	\$ 26,404 73	451,265	\$ 5,257 12
Passengers.	3,213	206 89	102,597	5,823 54	3,333	58 69
<i>Forest—Produce of Wood.</i>	Tons.		Tons.		Tons.	
Bark.						
Boat knees.						
Floats.			400	7 00		
Firewood.	1,980	132 00	5,295	306 50		
Pulpwood.			251,740	16,742 50	398,962	13,337 20
"	Free.	101,989				
Hoops and Hop Poles.						
Lumber, sawed.	43,561	7,837 07	85,794	3,778 44	82,818	4,893 88
"	Free.	2,337				
Masts, spars, &c.			4,264	106 60	122	4 08
Railway ties.	2,151	343 72	364	19 37		
Saw logs.	387	35 36	520	48 00		
Staves, all kinds.			2	0 20		
Shingles.	70	48 75	231	160 09	78	11 28
Split posts and rails.						
Timber, " square.	17,622	2,643 27	7,043	203 50	45	8 00
"	Free.		4,180			
Total.		170,097	11,040 17	359,833	21,372 20	482,025
						18,254 44
<i>Farm Stock.</i>						
Cattle.			117	7 04	78	2 74
Hogs.			58	2 29	16	0 68
Horses.	1	0 15	528	29 65	22	0 86
Sheep.			63	2 61	66	2 33
Total.	1	0 15	766	41 59	182	6 61
<i>Produce of Animals.</i>						
Bones.			9	0 50		
Horns and hoofs, hides and skins.	1	0 20	16	0 62	1	0 04
Lard and lard oil.	98	19 00	267	38 46		
"	Free.	1				
Meats other than pork.	15	2 25	162	22 00		
"	Free.	15				
Pork.	439	87 30	219	21 00	42	1 52
Tallow.			2	0 30		
Wool.	30	6 00				
Agricultural products not enumerated (animal).			6,735	901 82	95	3 19
Total.		599	114 75	7,410	984 70	138
						4 75

SESSIONAL PAPER No. 20a

APPENDIX A—*Continued.*

Season of Navigation ended December 31, 1907, showing the total quantity of each the amount of Tolls heretofore collected (now free).

Murray Canal.		Ottawa Canal.		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.	
230,623	363 39	269,245	2,857 55	187,996	2,545 78	91,471	1,830 63	207,336	703 25	12,115,969
No.		No.		No.		No.		No.		No.
20,751	254 32	18,777	192 50	22,445	613 03			77,423	343 25	30,660
Tons		Tons.		Tons.		Tons.		Tons.		Tons.
				9	0 69			61	0 58	244
2,160	18 00	32,160 17,790	270 66 691 64	5,504	96 70	215	2 15	26,686	29 26 129 34	369
		17	1 50			2	0 02			
766	8 61	220,971	16,978 66	22,644	1,067 35	7,331	73 31	4,381	1,381	62,691
		116	20 01			1	0 01	201	2 00	42
				93	2 10	183	1 83	20,242	310 6 12	375
		3	47	168	48 68	225	2 25	113	1 68	14,203
		200	2 10	1,600	29 88	90	90	1		18,199
						425	4 25	4,143	23 75	1,866
2,926	26 61	271,257	17,965 04	30,018	1,239 40	8,527	85 27	63,128	352 53	97,989
		339	25 48	1	0 03	4	0 04	2	0 01	11
23	0 49	59	4 62					441	6 40	4
		165	9 86	7	0 19			2	0 01	36
		203	17 66							
23	49	776	57 62	8	0 22	4	0 04	445	6 42	51
		10	68			190	1 90			
41	77	12	1 11	12	0 33					8
85	1 60	2	20	74	2 54					20
				45	1 70	379	3 79			
		25	1 48	106	3 02	354	3 54			
				1	0 03					1,604
1,115	20 93	2,443	227 14	1,322	40 95	2	0 02	41		
1,241	23 30	2,492	230 61	1,560	48 57	925	9 25	41		1,664

8-9 EDWARD VII., A. 1909

SUPPLEMENTARY

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
		\$ cts.		\$ cts.		\$ cts.
<i>Agricultural Products.</i>						
Agricultural products not enumerated (vegetable).....	59	8 85	7,923	817 52		
Apples.....			5,186	729 35	9 52	49 54
Barley.....	13,240	1,324 00	4,463	329 44		
".....			9,936			
Buckwheat.....			48	1 80	2	0 07
Cotton (raw).....			110	16 09		
Corn.....	271,693	27,169 30	29,182	1,471 95	113	3 87
".....			105,984			
Flax and hemp.....			42	6 30		
Flour.....	22,739	4,545 30	3,855	291 13	904	30 40
".....			3,730			
Hay (pressed).....	1,177	180 60	20,277	479 19	7,417	335 21
".....	30					
Meals (all kinds).....	22,658	4,531 60	353	24 24	284	9 66
Manilla.....	33	4 95	115	20 59		
".....	15					
Oats.....	73,369	7,336 90	6,514	376 85	1,938	64 81
".....			66,941			
Pease.....	25	2 50	573	52 27	6	0 22
Potatoes.....			265	14 91	55	1 91
Rye.....	2,270	227 00	463	46 30		
".....			2,266			
Seeds—Flax, clover and grass.....	50,831	5,086 80	7,469	350 86	34	1 16
".....			49,179			
Tobacco (raw).....			23	3 45		
Wheat.....	488,565	48,552 31	51,442	4,224 87	9	0 32
".....			450,446			
Total.....	946,704	98,970 11	816,785	9,257 11	11,714	497 17
<i>Manufactures.</i>						
Ashes (pot and pearl).....						
Agricultural implements.....	3,890	583 50	234	23 04	95	3 21
Barrel (empty).....	1	0 20	1,124	64 53	67	2 34
Bricks.....	600	90 00	14,840	754 25	1,522	133 83
".....	556					
Cement and water lime.....	1,899	287 75	6,892	615 24	631	56 49
".....	13					
Crockery and earthenware.....	140	21 00	788	147 20	69	6 37
".....	456					
Furniture.....	3	0 45	3,186	541 83	66	2 30
".....	35					
Glass of all kinds.....	283	42 65	5,286	1,029 97	4	0 14
".....			4			
Iron, railway.....	3,534					
".....	961	144 15	11,933	1,675 40	793	76 61
Iron, pig.....	4,119					
".....	4,716	940 55	12,091	1,806 41		
Iron, all other.....	6,802	1,033 30	39,307	3,195 05	429	26 80
".....	6,987		124			
Molasses.....	11	1 65	934	116 33	66	2 29
".....	50					
Nails.....	1,886	283 05	7,167	1,381 33	40	1 44
".....	3,331					
Oil.....	33,272	6,646 45	1,609	291 11	143	6 32
".....	155		22,111			
Oil cake.....	114	22 80	1	0 06	5	18
".....	134	20 70	1,649	313 31	72	2 57
Paint.....	295					
Pitch and tar.....	217	39 10	1,344	86 51	1,152	168 05
".....			101			

SESSIONAL PAPER No. 20a

APPENDIX A—Continued.

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

Murray Canal.			Ottawa Canal.			Rideau Canal.		St. Peter's Canal.		Trent Valley Canals.		Sault Ste. Marie Canal.
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.
1,504	28 44	287	17 49	55	1 47	885	8 85					265
947	17 53	600	34 17	5	0 13	183	1 83	10	0 10	375		923
840	12 69					4	0 04	10	0 10	126,493		126,493
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.			
20	0 37		3	0 18								2,604
			5	0 22	729	17 40	23	0 23	23	0 23		923
75	1 40	57	5 11	426	10 99	1,384	13 84	17	0 12	345,457		
70	0 62	1,731	161 47	1,847	47 95	917	9 17	16				1,639
5	0 10	165	9 56	110	2 69	595	5 95	11	0 13	25,431		
		3	0 57	14	1 40	18	0 18					
	1,429		131 24	1,185	48 00	3,156	31 56	23		189,307		
60	1 13		702	41 16	10	0 25	5,028	50 28	157	1 57		
				13	0 31			348	2 72	127		8,626
	5		0 49	3	0 09							148,158
				3	0 09							
				957	22 34			221	2 21	1,481,999		
3,521	62 28	4,987	401 66	5,358	153 14	12,193	121 93	836	7 18	2,331,404		
46	1 16	28	5 14	262	25 73	3	0 03	5	0 01	90		3,945
60	1 50	123	20 65	101	6 74	24	0 24			120		2,024
				838	19 72	384	3 84	189	1 78			
	1,809		175 39	1,436	51 88	1,285	12 85	600	0 60	63,782		
190	4 78			41	3 69	18	0 18					101
638	15 84	105	15 76	94	8 92	12	0 12	23	0 13	5		
553	13 91	40	7 60	249	23 11	9	0 09					1,028
20	0 38			20	0 47				3			90,515
				31	0 73	4	0 04	3				22,602
1,617	30 76	108	7 87	1,578	39 32	72	0 72	56				14,128
21	0 53			212	18 44	457	4 57					30
782	19 52	1	0 10	530	58 49	37	0 37					6,623
441	11 01			601	54 56	319	3 19	2				1,250
170	4 19			106	10 43	8	0 08					1,908
15	0 38	99	18 81	59	5 15	14	0 14					39

8-9 EDWARD VII., A. 1909

SUPPLEMENTARY

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

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Manufacturers—Con.</i>		\$ cts.		\$ cts.		\$ cts
Rosin.....	Free.	25		1,215	64 75	1,872
Soda ash.....	Free.	47	7 80	682	128 95	
		37		15		
Spirits, whiskey, &c.....	Free.	2,472	460 05	3,820	716 56	85
		1,040		1,224		2 93
Steel.....	Free.	1,728	259 20	6,624	867 05	10
		2,561				34
Sugar.....	Free.	26,204	3,993 35	25,813	5,031 56	170
		6,046				5 91
Tin.....	Free.	132	19 80	2,331	434 28	
		1,173				
White lead.....	Free.	64	9 80	685	132 06	
		233				
Turpentine.....	Free.	1		35	3 80	287
						28 70
Whiting.....	Free.	81	12 15	719	137 69	
		18				
Woodenware.....	Free.	8	3 20	380	46 90	
Total.....		124,035	14,922 65	174,268	19,605 17	7,578
<i>Merchandise.</i>						
Brimstone, crude.....				2,301	211 10	
Clay, lime and sand.....	Free.	239	35 85	80,535	3,236 16	18,017
		100				1,787 47
Coal.....	Free.	267,212	53,442 40	359,876	51,627 12	80,736
				228,159		7,903 82
Dye woods and dye stuffs.....	Free.	2		34	5 90	12
						1 20
Fish.....	Free.	20	3 00	269	22 61	1
		39				0 04
Gypsum.....						
Ores, all kinds.....	Free.	25,040	1,252 00	150	1 88	18,077
		2	0 30	6	0 60	903 85
Marble.....						
Rags.....	Free.	50		289	51 30	5
						0 17
Salt.....	Free.	246	49 20	4,540	437 84	255
				143		10 25
Stone (all kinds).....	Free.	938	46 88	1,915	77 50	892
		5				52 18
All other goods and merchandise (not enumerated).....	Free.	62,305	9,638 93	60,893	9,962 64	5,650
		16,498		2,294		365 88
Total.....		372,696	64,468 56	741,404	65,634 65	123,645
Grand totals (passengers and tonnage of vessels not included).....		1,614,132	189,516 39	2,100,466	149,123 69	625,282
						35,824 54

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, April 5, 1907.

SESSIONAL PAPER No. 20a

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

Murray Canal.		Ottawa Canal.		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.
				14	1 24					
				2	0 18					
599	15 09	9	1 44	655	59 57	24	7 24			754
50	1 01			32	1 34			25		11,710
755	18 82			613	67 29	385	3 85			2,648
25	0 61	11	2 09			58	0 58			601
93	2 33			106	9 88					
				38	2 83	75	0 75	2		50 3
6,073	141 82	2,333	254 85	7,618	469 71	3,188	31 88	909	2 52	223,956
		52,930	2939 58	19,165	450 36	425	4 25	112		2,751
30,024	555 98	50	2 50	9,993	343 71	36,629	366 29	177	0 15	2,533,827
47	1 18			7	0 17	1,794	17 94			575
				384	7 02	175	1 75			10,085,463
23	0 57	195	35 78	108	9 45	2,398	23 98			
533	10 13			2,431	62 26	739	7 39	1		10,147
				115	2 96	5,322	53 22	3,108	3 10	23,674
7,991	200 55	2,840	391 75	5,604	526 59	848	8 48	1,049	9 03	276,664
38,618	768 41	56,015	3,369 61	37,807	402 52	48,330	483 30	4,447	12 28	12,933,101
52,402	1,640 62	337,850	25,329 44	82,369 6,472 37	73,167 2,562 30			69,806 1,427 93		15,588,165

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. 16.—STATEMENT showing the Amount of Tolls heretofore collected, now free, accrued each month during the Season of Navigation ended December 31, 1907.

Canal and Offices,	January,	April,	May,	June,	July,	August,	September,	October,	November,	December,	Total.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
WELLAND CANAL.											
Colborne.....	6,432 77	23,381 31	22,799 37	22,867 69	23,799 53	21,880 63	24,616 56	14,651 08	2,811 50	163,240 44	
Dalhousie.....	3,084 93	5,623 81	6,170 98	7,674 92	9,175 35	6,560 47	8,465 13	6,709 60	3,325 15	53,180 34	
Total Welland Canal.....	9,517 70	29,005 12	28,970 35	29,942 61	32,974 88	28,441 10	33,081 69	21,300 68	3,136 65	216,430 78	
Sr. LAWRENCE CANALS.											
Soulanges.....	184 67	85 35	367 02	283 88	82 47	25 49	20 36	... .	... .	1,049 24	
Cardinal.....	2 16	207 38	299 84	340 03	258 61	290 65	208 49	... .	... .	2,113 64	
63 43	6,924 39	7,619 79	7,745 08	8,192 09	7,578 62	8,814 54	9,725 26	331 98	56,995 18		
Cornwall.....	172 93	1,961 31	1,966 64	2,551 85	1,384 92	1,950 09	1,707 97	1,537 64	... .	13,233 25	
Kingston.....	233 87	352 61	715 82	684 53	594 07	563 75	550 95	... .	... .	3,455 64	
Lachine.....	7,395 74	10,577 13	11,845 82	12,938 89	11,303 34	10,314 78	7,421 30	149 74	72,246 74		
Total St. Lawrence Canals.....	238 52	16,907 36	21,201 36	23,047 01	23,824 34	21,767 20	21,707 21	19,263 91	566 78	149,123 69	
CHAMBLY CANAL.											
Chambly.....	1,315 00	2,240 23	3,822 70	3,770 16	3,453 37	3,890 94	2,085 28	... .	... .	20,577 68	
St. John's.....	3,015 93	2,665 11	2,220 50	2,001 37	1,722 09	2,058 66	639 33	79 28	14,412 27		
St. Ours.....	5 47	102 47	116 64	109 41	113 42	130 67	104 58	... .	... .	834 59	
Total Chambly Canal.....	5 47	4,422 86	5,007 81	6,159 84	5,880 94	5,288 88	6,140 27	2,839 19	79 28	35,824 54	
OTTAWA CANALS.											
Ottawa.....	2,502 09	2,264 73	1,944 82	2,395 30	1,470 90	1,641 13	1,217 13	... .	... .	13,436 10	
Carillon.....	80 66	10 92	135 34	1,028 41	1,095 75	1,460 13	1,641 14	18 56	... .	131 49	
Grenville.....	788 65	574 90	751 98	747 06	747 06	748 85	775 29	795 71	... .	7,890 69	
St. Anne's.....	360 86	673 99	717 86	... .	... .	... .	327 25	... .	... .	4,371 16	
Total Ottawa Canals.....	3,652 26	3,524 54	3,726 43	4,246 26	3,737 76	4,083 54	2,358 65	... .	... .	25,329 44	
RIDEAU CANAL.											
Kingston Mills.....	172 98	187 90	235 60	286 35	276 89	158 68	55 56	... .	... .	1,373 96	
Ottawa.....	453 33	513 08	619 41	508 66	405 16	527 78	342 59	... .	... .	3,556 31	
Smith's Falls.....	145 66	221 11	388 62	417 11	132 30	95 50	121 30	1,542 10	... .	1,542 10	
Total Rideau Canal.....	777 97	922 09	1,243 63	1,302 42	924 85	807 76	493 65	... .	... .	6,472 37	

SESSIONAL PAPER No. 20a

St. Peter's CANAL.	21 77	.....	256 83	286 69	319 57	340 68	376 60	376 57	348 05	235 54	2,562 30
TRENT VALLEY CANALS.											
Bobaygeon.	20 27	50 66	90 84	63 21	60 80	45 07	12 48	.....	.....	343 4	
Burleigh.	4 33	22 43	34 50	49 55	24 92	19 95	4 75	.....	.....	160 43	
Peterborough.	42 20	81 55	160 45	147 05	50 00	42 40	16 45	.....	.....	547 40	
Buckhorn.	1 25	18 22	26 44	48 04	48 74	30 44	16 92	.....	.....	190 05	
Hastings.	1 60	15 50	6 00	7 25	1 50	2 00	1 80	.....	.....	25 14	
Fenelon Falls.	12 50	18 33	29 00	31 85	25 30	28 75	15 75	.....	.....	161 50	
Total Trent Valley Canals.	7 30	81 55	196 71	347 23	346 95	211 34	168 61	68 24	.....	1,427 93	
MURRAY CANAL.											
Brighton.	3 23	187 97	194 43	349 14	331 28	216 39	234 62	73 56	.....	1,640 62	
Grand total.	21 77	.....	.....	.....	.....	.....	.....	.....	.....	438,811 67	

8-9 EDWARD VII., A. 1909

No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of 1907, and the amount of

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.	
		Up.	Down.	Up.	Down.
WELLAND CANAL.					
Canadian vessels, steam.....	812	216,138	231,537	72,811	198
" sail.....	315	47,298	48,440	29,958	
Total Canadian.....	1,127	263,436	279,977	102,769	198
United States vessels, steam.....	704	53	1,586	110,881	4,699
" sail.....	151			15,796	6,154
Total United States.....	855	53	1,586	126,677	10,853
Grand total, Welland Canal.....	1,982	263,489	281,563	229,446	11,051
ST. LAWRENCE CANALS.					
Canadian vessels, steam.....	4,009	524,549	445,565	46,369	148
" sail.....	4,725	654,097	567,696	26,196	
Total Canadian.....	8,734	1,178,646	1,013,261	72,565	148
United States vessels, steam.....	920	32,494	8,502	106,965	17
" sail.....	432	1,907	13,039	49,341	602
Total United States.....	1,352	34,401	21,541	156,306	619
Grand total, St. Lawrence Canals.....	10,086	1,213,047	1,034,802	228,871	767
CHAMBLY CANAL.					
Canadian vessels, steam.....	303	37,634	36,159		
" sail.....	300	5,676	5,667	4,409	
Total Canadian.....	603	43,310	41,826	4,409	
United States vessels, steam.....	7			15	
" sail.....	3,568		1,687	166,005	
Total United States.....	3,576		1,687	166,020	
Grand total, Chamby Canal.....	4,179	43,310	43,513	170,429	
OTTAWA CANALS.					
Canadian vessels, steam.....	887	38,714	94,812		
" sail.....	914	4,241	104,644		4,379
Total Canadian.....	1,801	42,955	199,456		4,379
United States vessels, steam.....	233	614	154		17,473
" sail.....					
Total United States.....	233	614	154		17,473
Grand total, Ottawa Canals.....	2,034	43,569	199,610		21,852
RIDEAU CANAL.					
Canadian vessels, steam.....	5,187	75,505	74,312	2,309	
" sail.....	1,026	12,699	14,358	1,124	
Total Canadian.....	6,213	88,204	88,670	3,433	
United States vessels, steam.....	78	9	27	181	
" sail.....	65	867	1,576		585
Total United States.....	143	876	1,603	181	585
Grand total, Rideau Canal.....	6,356	89,080	90,273	3,614	585

SESSIONAL PAPER No. 20a

Vessels passed through all the Canals during the Season of Navigation ended December Tolls heretofore collected, now free.

8-9 EDWARD VII., A. 1909

No. (A) 17.—SUMMARY STATEMENT showing the Number, Tonnage and Nationality of 1907, and the amount of

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.	
		Up.	Down.	Up.	Down.
ST. PETER'S CANAL.					
Canadian vessels, steam.....	202	12,746	11,742	.....	.....
" sail.....	1,133	32,184	34,444	.....	.....
Total Canadian.....	1,335	44,930	46,186	.....	.....
United States vessels, steam.....	.....	.....	.....	.....	.....
" sail.....	2	.....	355	.....	.....
Total United States.....	2	.....	355	.....	.....
Grand total, St. Peter's Canal.....	1,337	44,930	46,541	.....	.....
TRENT VALLEY CANALS.					
Canadian vessels, steam.....	4,681	104,588	98,616	.....	.....
" sail.....	104	2,047	2,085	.....	.....
Total Canadian.....	4,785	106,635	100,701	.....	.....
United States vessels, steam.....	.....	.....	.....	.....	.....
" sail.....	.....	.....	.....	.....	.....
Total United States.....	.....	.....	.....	.....	.....
Grand total, Trent Valley Canals.....	4,785	106,635	100,701	.....	.....
MURRAY CANAL.					
Canadian vessels, steam.....	926	71,370	66,385	36,965	.....
" sail.....	92	3,186	3,666	5,482	.....
Total Canadian.....	1,018	74,556	70,051	42,447	.....
United States vessels, steam.....	11	286	74	.....	.....
" sail.....	24	222	145	.....	.....
Total United States.....	35	508	219	.....	.....
Grand total, Murray Canal.....	1,053	75,064	70,270	42,447	.....
SAULT STE. MARIE CANAL.					
Canadian vessels, steam.....	2,889	673,765	783,205	103,656	122,861
" sail.....	328	45,511	37,984	8,543	1,660
Total Canadian.....	3,217	719,276	821,189	112,199	124,521
United States vessels, steam.....	3,016	19,171	42,844	19,060	39,096
" sail.....	116	1,726	2,029	2,352	3,422
3,132	20,897	44,873	21,412	21,412	42,518
Grand total, Sault Ste. Marie Canal.....	6,349	740,173	866,062	133,611	167,039

SESSIONAL PAPER No. 20a

Vessels passed through all the Canals during the Season of Navigation ended December
Tolls heretofore collected, now free—*Continued.*

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.		
							\$ cts.
				12,746	11,742	24,488	489 77
				32,184	34,444	66,628	1,333 76
				44,930	46,186	91,116	1,823 53
					355	355	7 10
					355	355	7 10
				44,930	46,541	91,471	1,830 63
				104,588	98,616	203,204	693 35
				2,047	2,085	4,132	9 90
				106,635	100,701	207,336	702 25
				106,635	100,701	207,336	702 25
				37,523	108,335	212,243	310 89
				5,319	8,668	17,653	43 75
				42,842	117,003	112,893	354 64
					286	74	2 75
					222	145	6 00
					508	219	727
				42,842	117,511	113,112	363 39
7,600	5,017	227,017	125,021	1,012,038	1,036,104	2,048,142	.....
	885	7,438	4,525	61,492	45,054	106,546	.....
7,600	5,902	234,455	129,546	1,073,530	1,051,158	2,154,688	.....
4,344,418	5,091,426	168,893	21,809	4,551,542	5,195,175	9,746,717	.....
118,487	80,828	4,975	745	127,540	87,024	214,564	.....
4,462,905	5,172,254	173,868	22,554	4,679,082	5,282,199	9,961,281	.....
4,470,505	5,178,156	408,323	152,100	5,752,612	6,363,357	12,115,969	.....

8-9 EDWARD VII., A. 1909

No. (A) 17.—SUMMARY STATEMENT showing the Number

RECAPITU

Vessels.	Total Number.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		
		Up.	Down.	Up.	Down.	
CANADIAN VESSELS.						
<i>Steam and Sail.</i>						
Welland.....	1,127	263,436	279,977	102,769	198	
St. Lawrence.....	8,734	1,178,646	1,013,261	72,565	148	
Chamby.....	603	43,310	41,826	4,409	.....
Ottawa.....	1,801	42,955	199,456	.....	4,379
Rideau.....	6,213	88,204	88,670	3,433	.....
St. Peter's.....	1,335	44,930	46,186	.....	.....
Trent Valley.....	4,785	106,635	100,701	.....	.....
Murray.....	1,018	74,556	70,051	42,447	.....
Sault Ste. Marie.....	3,217	719,276	821,189	112,199	124,521	
Total Canadian.....	28,833	2,561,948	2,661,317	337,822	129,246	
UNITED STATES VESSELS.						
Welland.....	855	53	1,586	126,677	10,853	
St. Lawrence.....	1,352	34,401	21,541	156,306	619	
Chamby.....	3,576	.....	1,687	166,020	.....
Ottawa.....	233	614	154	.....	17,473
Rideau.....	143	876	1,603	181	585	
St. Peter's.....	2	.....	355	.....	.....
Trent Valley.....	.....	.....	.....	.....	.....
Murray.....	35	508	219	.....	.....
Sault Ste. Marie.....	3,132	20,897	44,873	21,412	42,518	
Total United States.....	9,328	57,349	72,018	304,591	72,048	
Grand total, Canadian and United States.	38,161	2,619,279	2,733,335	642,413	201,294	

SESSIONAL PAPER No. 20a

Tonnage and Nationality of Vessels, &c.—*Concluded.*

ULATION.

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.		
							8 cts.
1,553	1,429	3,717	102,063	371,475	382,238	753,713	13,639 57
			96,630	1,251,211	1,111,468	2,362,679	22,052 46
			9,093	47,719	50,919	98,638	499 11
				42,955	203,835	246,790	2,349 98
				3,748	91,637	92,418	184,055 2,467 26
					44,930	46,186	91,116 1,823 53
					106,635	100,701	207,336 702 25
					42,842	117,003	112,893 229,896 354 64
7,600	5,902	234,455	129,546	1,073,530	1,081,158	2,154,688	
9,153	7,331	238,172	383,922	3,147,095	3,181,816	6,328,911	43,888 80
256,572	191,031	11,497	231,731	394,799	435,201	830,000	13,067 93
10,576	9,775	16,190	184,040	217,473	215,975	433,448	4,352 27
				184,920	166,020	186,607	352,627 4,758 01
				4,214		4,828	22,455 507 57
					696	1,057	2,884 3,941 78 52
						355	355 7 10
4,462,905	5,172,254	173,868	22,554	4,679,082	5,282,199	9,961,281	
4,730,053	5,373,060	205,769	623,941	5,463,767	6,141,067	11,604,834	22,780 15
4,739,206	5,380,391	443,941	1,017,863	8,610,862	9,322,883	17,933,745	66,668 95

APPENDIX A—Continued.

No. (A) 18.—COMPARATIVE STATEMENT of Grand Total Freight passed through the undermentioned Canals during the Seasons of Navigation 1906 and 1907 and the Amount of Tolls heretofore 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.	\$ cts.			
	Up.		Down.		Up.		Down.		Up.		Down.		Up.		Down.		Up.							
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.						
1906.																								
Welland.....	77,635	374,640	53,867	36,109	84,205	237,226	7,161	331,124	222,868	979,099	1,201,967	163,031	93	1,636,117	1,17	1,532	54							
St. Lawrence.....	45,483	706,840	142,326	.....	131	735	14,461	326,141	602,401	1,053,116	1,636,117	1,17	1,532	54									
Chambly.....	6,681	11,345	372,571	.....	.....	.....	.....	375,252	119,687	498,337	375,252	119,687	30,729	20	30,729	20	30,729	20				
Ottawa.....	240,158	154,907	33,785	2,667	4,936	.....	2,350	240,158	157,257	387,415	387,415	6,159	6,159	26,527	26,527	26,527	26,527						
Rideau.....	30,965	49,671	49,656	.....	.....	.....	.....	9,806	33,632	49,656	49,656	1,671	1,671	18,331	18,331	18,331	18,331					
St. Peter's.....	18,331	10,164	9,355	3,008	193,874	907,172	3,357,295	460,617	3,356	14,822	10,164	1,123	57	28,495	28,495	28,495	28,495							
Trent Valley.....	11,814	9,004	9,004	52,055	1,004,963	2,355,855	1,004,963	52,055	1,004,963	2,355,855	1,004,963	52,055	1,004,963	2,355,855	1,004,963	52,055	1,004,963	2,355,855	1,004,963	52,055	1,004,963	2,355,855		
Sault Ste. Marie.....	381,191	1,238,929	1,238,929	1,238,929	627,094	234,919	991,508	3,595,256	482,239	997,385	3,339,770	7,183,415	10,523,185	380,673	05									
Grand total.....	1,238,929	2,355,855	2,355,855	2,355,855	627,094	234,919	991,508	3,595,256	482,239	997,385	3,339,770	7,183,415	10,523,185	380,673	05									
1907.																								
Welland.....	91,495	452,619	110,556	26,773	177,660	219,083	10,453	525,583	390,164	1,223,968	1,223,968	1,614,132	1,614,132	216,430	78									
St. Lawrence.....	501,346	885,006	264,292	124	232	2,515	18,242	4,280	784,112	1,316,334	1,316,334	1,100,468	1,100,468	123,69										
Chambly.....	4,324	10,227	483,423	.....	.....	.....	.....	126,815	488,240	137,042	137,042	625,28	625,28	35,824	54							
Ottawa.....	34,161	32,634	4,735	1,644	.....	.....	.....	.....	9,185	38,896	43,473	82,369	82,369	6,472	37							
St. Peter's.....	13,625	11,111	56,181	.....	.....	.....	.....	.....	.....	56,181	47,411	73,167	73,167	2,562	37							
Trent Valley.....	11,900	13,660	28,296	1,380,192	197,597	1,814,067	10,786,182	790,674	26,492	12,350	40,052	52,402	1,640	1,640	62									
Murray.....	351,249	1,380,192	1,380,192	1,380,192	891,692	226,138	1,991,959	11,060,878	819,369	1,339,770	15,863,886	20,543,938	811	67										
Grand total.....	1,034,733	3,162,158	3,162,158	3,162,158	891,692	226,138	1,991,959	11,060,878	819,369	1,339,770	4,737,753	15,863,886	20,543,938	811	67									

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—Continued.

No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending December 31, 1906 and 1907.

Articles.	1906.	1907.	Increase.	Decrease.
<i>Class No. 1.</i>				
Canadian Vessels, steam.....	3,967,984	4,528,064	560,080	.....
United States Vessels, steam.....	4,954,751	10,822,555	5,867,804	.....
Canadian Vessels, sail.....	1,589,246	1,796,715	207,469	.....
United States Vessels, sail.....	735,227	786,411	51,184	.....
Total, class No. 1.....	11,247,208	17,933,745	6,686,537	.....
<i>Class No. 2.</i>				
Passengers.....	256,500	279,199	22,699	.....
<i>Class No. 3.</i>				
Bricks.....	17,713	20,953	3,240	.....
Brimstone.....	2,187	2,301	114	.....
Cement and water lime.....	45,707	78,347	32,640	.....
Clay, lime and sand.....	140,185	174,274	34,089	.....
Fish.....	2,692	2,705	13	.....
Gypsum.....	9			
Iron (railway).....	135,349	108,364		9
" (pig).....	22,160	47,102	24,942	26,985
" (all other).....	77,765	71,208		6,557
Steel.....	4,743	22,740	17,997	.....
Salt.....	24,217	19,035		5,182
Stone, for cutting.....	759	7,421	6,662	.....
Apples.....	8,048	8,258	210	.....
Barley.....	145,146	154,986	9,840	.....
Buckwheat.....	765	53		712
Corn.....	299,681	410,671	110,990	.....
Cotton (raw).....	20	130	110	.....
Flax and hemp.....	25	965	940	.....
Flour.....	307,111	378,644	71,533	.....
Hay (pressed).....	26,511	25,121		
Meals (all kinds).....	27,532	49,612	22,080	1,690
Oil cake.....	95	2,028	1,933	.....
Oats.....	246,450	343,984	97,534	.....
Pease.....	2,126	822		1,304
Potatoes.....	5,853	6,535	682	.....
Rye.....	7,143	13,638	6,495	.....
Flax seed.....	275,288	248,940		26,348
Seeds (all kinds).....	1,455	6,739	5,284	.....
Tobacco (raw).....	2	26	24	.....
Wheat.....	1,696,352	2,473,202	776,850	.....
All other agricultural products, vegetable.....	4,805	10,978	6,173	.....
Bones.....	107	209	102	.....
Cattle.....	932	552		380
Hogs.....	365	578	213	.....
Hides and skins, horns and hoofs.....	125	50		75
Horses.....	1,685	784		901
Lard and lard oil.....	10,548	503		10,045

No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending December 31, 1906 and 1907—*Continued.*

Articles.	1906.	1907.	Increase.	Decrease.
<i>Class No. 3—Concluded.</i>				
	Tons.	Tons.	Tons.	Tons.
Meats, other than pork.....	447	701	254	.....
Pork.....	834	1,185	351	.....
Sheep.....	541	332	.....	209
Tallow.....	81	34	.....	47
Wool.....	3,309	1,635	.....	1,674
All other agricultural products, animal.....	11,057	11,753	696	.....
Total, class No. 3.....	3,558,225	4,708,098	1,231,991	82,118
<i>Class No. 4.</i>				
	Tons.	Tons.	Tons.	Tons.
Ashes; pot and pearl.....	96	90	.....	6
Agricultural implements.....	4,050	8,508	4,458	.....
Crockery and earthenware.....	2,505	1,804	.....	701
Dye woods and dye stuffs.....	76	95	19	.....
Furniture.....	4,823	4,165	.....	658
Glass (all kinds).....	11,126	10,990	136	.....
Marble.....	2,610	2,406	.....	204
Manilla.....	1,968	198	.....	1,770
Molasses.....	1,943	1,781	.....	162
Nails.....	24,847	20,397	.....	4,450
Oil (in barrels).....	47,842	59,903	12,061	.....
Paint.....	2,986	2,473	.....	513
Pitch and tar.....	3,053	3,001	.....	52
Rags.....	381	670	289	.....
Resin.....	2,815	3,126	311	.....
Soda ash.....	1,278	783	.....	495
Sugar.....	43,954	62,634	18,680	.....
Stone (wrought).....	508	399	.....	109
Tin.....	7,168	4,331	.....	2,837
Turpentine.....	564	323	.....	241
White lead.....	2,350	1,231	.....	1,119
Whiting.....	1,351	868	.....	483
Whisky and all other spirits.....	11,067	10,682	.....	385
Merchandise (not enumerated).....	466,809	442,635	.....	24,174
Total, class No. 4.....	646,170	643,493	35,818	38,495
<i>Class No. 5.</i>				
	Tons.	Tons.	Tons.	Tons.
Bark.....	13	314	301	.....
Barrels, empty.....	1,090	1,620	530	.....
Boat knees.....	.....	.....	.....	.....
Floats.....	29,043	39,550	10,507	.....
Firewood (in vessels).....	96,026	59,999	.....	36,027
" (in rafts).....	1,740	.....	.....	1,740
Pulpwood.....	427,013	752,691	325,678	.....
Lumber sawn (in vessels).....	647,689	533,051	.....	114,638
" (in rafts).....	4,564	243	.....	4,321
Hoops.....	102	17	.....	85
Railway ties (in vessels).....	5,640	3,089	.....	2,551
" (in rafts).....	69	282	213	.....
Masts, spars and telegraph poles (in vessels).....	29	47	18	.....
" (in rafts).....	14,730	4,583	.....	10,147
Square timber (in vessels).....	21,685	26,214	4,529	.....
" (in rafts).....	7,298	10,910	3,612	.....
Woodenware and wood partly manufactured.....	237	506	269	.....
Shingles.....	16,652	19,087	2,435	.....
Split posts and fence rails (in vessels).....	4	91	87	.....
" " (in rafts).....	.....	.....	.....	.....
Saw logs.....	90,929	35,628	.....	55,301
Staves and headings (barrel).....	95	.....	.....	95
" (pipe).....	.....	2	2	.....
" " (West India).....	.....	.....	.....	.....
" " (salt barrel).....	3,000	.....	.....	3,000
Traverses.....	50	2	.....	48
Hop poles.....	.....	.....	.....	.....
Total, class No. 5.....	1,367,698	1,487,926	348,181	227,953

SESSIONAL PAPER No. 20a

No. 19.—COMPARATIVE STATEMENT of the Traffic of all the Canals for the Years ending December 31, 1906 and 1907—*Concluded.*

Articles.	1906.	1907.	Increase.	Decrease.
<i>Special Class.</i>				
Coal.	1,954,671	3,546,683	1,592,012	.....
Kryolite or chemical ore.....	2,017	4,889	2,872	.....
Iron ore.....	2,970,637	10,105,016	7,134,379	.....
Copper ore.....	8,976	19,384	10,408	.....
Stone (unwrought, not suitable for cutting).....	12,711	28,149	15,438	.....
Ice.....	2,080	1	.....	2,079
Total, special class.....	4,951,092	13,704,122	8,755,109	2,079
Grand totals (passengers and tonnage of vessels not included).....	10,523,185	20,543,639	10,371,099	350,645
Freight. Grand total increase.....	.....	.....	10,020,454	.....

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, May 8, 1908.

RICHARD DEVLIN,
Compiler of Canal Statistics.

APPENDIX A—*Continued.*

No. (A) 20—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals, during the Season of Navigation in 1907.

WELLAND CANAL.

CANADIAN.			UNITED STATES.				
Steam Vessels.		Sailing Vessels.	Steam Vessels.		Sailing Vessels.		
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	
8	12	96	26	208	8	64	
10	3	30	2	20	3	30	
15	1	15	1	15	2	30	
20	1	20			1	20	
25	2	50			2	50	
30	8	240				4	120
35	1	35			2	70	
40			1	40	1	40	
45	1	45	4	200	2	90	
50			2	120	1	50	
55	1	55				1	55
60			1			1	60
65	1	65					
70			1	70	1	70	
75			1	75	2	150	
80	2	160	2	160	2	160	
85	1	85			3	255	
90	1	90			2	180	
95	1	95			1	95	
100	2	200	4	400			
105	1	105					
110			1	110			
115			1	115			
130						1	130
135	1	135					
150	1	150			1	150	
155	1	155			1	155	
160					1	160	
165	1	165	1	165			
185			1	185			
205			1	205			
215						1	215
245	1	245					
250	1	250					
255			1	255			
260	1	260	1	260	1	260	
265					1	265	
280					1	280	
285					1	285	
290	1	290					
295	1	295	1	295	1	295	
300					1	300	
305	1	305					
310			1	310			
315	1	315					
320	1	320					
330	1	330					
340	1	340	1	340			
359	1	359					
360			1	360	1	360	
375	1	375					
379	1	379					
399					1	399	
401	1	401					
412	1	412					
444					1	444	
451					1	451	
456					1	456	
461	1	461					
472						1	472
480					1	480	
481	1	481			1	481	
482					1	482	

SESSIONAL PAPER No. 20a

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

WELLAND CANAL.—*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.
483	1	483		1	492			
492					1	494	1	492
494							1	496
496			1	496				
503					1	503		
505					1	505		
511					1	511	2	1,022
516	1	516						
530	1	530						
531								531
543					1	543	1	543
546					1	546		
556	1	556						
557					1	557		
573	1	573						
588							1	588
590	1	590					1	590
598	1	598					1	598
616							1	616
630	1	630						
650					2	1,300		
658	1	658	1	681				
683							1	683
694					1	694		
701					1	701		
719	1	719						
740	1	740	1	740				
771	1	771						
773	1	773			1	773		
780	1	780			1	780		
781	1	781						
791	1	791						
794	1	794						
795						795		
802	1	802					1	802
838	1	838						
856					1	856		
864	1	864			1	864		
868	1	868						
874					1	874		
882					1	882		
885	1	885	1	885				
904	1	904			1	904		
908	1	908	1	908	1	908		
919	1	919			2	1,838		
929					1	929		
940					2	1,880		
944					2	1,888		
955			1	955	1	955		
962					1	962		
966					1	966		
970	1	970	1	970				
973	1	973						
977	1	977						
982	2	1,964						
987	2	1,974			1	987		
989	1	989	1	989	1	989		
992	1	992						
994					1	994		
996	1						996	
1,010	1				1	1,010		
1,013					1	1,013		
1,020	1				1	1,020		
1,035					2	2,070		
1,038	1	1,038						
1,054			1	1,054	1	1,054		
1,079					1	1,079		
1,100					1	1,100		
1,108	1	1,108						
1,111					1	1,111		
1,118	1	1,118						

8-9 EDWARD VII., A. 1909

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

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.	
1,142	2	2,284						1	1,129
1,172	2	2,344							
1,184	1	1,184							
1,187	1	1,187			1	1,187			
1,190	1	1,190							
1,197	2	2,394							
1,201	1	1,201							
1,222	1	1,222							
1,226			1	1,226					
1,246	1	1,246						1	1,310
1,310									
1,341	1	1,341							
1,349	1	1,349							
1,358	1	1,358							
1,388					1	1,388			
1,415					1	1,415			
1,418					1	1,418			
1,425					1	1,425			
1,431	1	1,431							
1,441					1	1,441			
1,444	1	1,444							
1,452	1	1,452							
1,453	1	1,453							
1,465	1	1,465							
1,547					1	1,547			
1,548					1	1,548			
1,553					2	1,553			
1,565					1	1,565			
1,668					1	1,668			
1,673					1	1,673			
1,758					1	1,758			
Total....	90	59,528	67	11,904	106	63,471	38	11,034	

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, June 15, 1907.

RICHARD DEVLIN,
Compiler of Canal Statistics.

SESSIONAL PAPER No. 20a

No. (A) 20—STATEMENT of the Number and Tonnage of all kinds of Vessels passed through the Canals during the Season of Navigation in 1907.

ST. LAWRENCE CANALS.

CANADIAN.					UNITED STATES.				
Steam Vessels.			Sailing Vessels.		Steam Vessels.			Sailing Vessels.	
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	
8	71	568	5	40	14	112			
10	13	130	1	10	3	30			
15	10	150	1	15	1	15			
20	6	120	4	80	3	60			
25	5	125	1	25	1	25			
30	9	120	2	60					
35	5	175	2	70	4	140			
40	3	120	7	280	1	40			
45	6	270	3	135	4	180			
50	3	150	3	150					
55	2	110	7	385	2	110			
60	5	300	7	420			1	60	
65	2	130	3	195	1	65			
70	4	280	2	140					
75	2	150	8	600					
80	2	160	7	560					
85	4	350	9	765	1	85	10	850	
90	1	90	7	630			12	1,080	
95	1	95	12	1,140			50	4,750	
100	6	600	14	1,400			16	1,600	
105	2	210	17	1,785			6	630	
110	1	110	7	770			4	440	
115	2	230	12	1,350					
120	1	120	4	480			1	120	
125	1	125	8	1,000	1	125			
130	1	130	15	1,950					
135			4	540					
140	1	140	10	1,400					
145			15	2,175	1	145			
150	2	300	16	2,400					
155	4	620	14	2,170			1	155	
160	1	160	5	800					
165			6	690					
170			5	850					
175	2	350	3	525					
180			1	180					
185			2	370					
190	1	190	4	760					
195			1	195					
200			2	400	1	200	1	200	
205			3	615					
210			1	210					
225			2	450					
235	1	235	1	235					
250			1	250					
255			3	765					
260	1	260							
265			1	265					
270							1	270	
275			1	275					
280							1	280	
285							1	285	
290			2	580					
295			2	590					
300	1	300	4	1,200					
305			1	305					
310	1	310	3	930					
315	1	315	2	630	1	315			
320			5	1,600					
330			3	990					
335	1	335	7	2,345					
340			2	680					
355					1	355			
360			2	720	2	720			
365			3	1,095					
370			1	370					
375	1	375							
380			1	380					
385			2	770					
395			1	395					

8-9 EDWARD VII., A. 1909

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

ST. LAWRENCE CANALS—*Continued.*

CANADIAN.			UNITED STATES.		
Steam Vessels.			Sailing Vessels.		
Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.	
410	1	410	3	1,230	
415			4	1,660	
430			1	430	
435			2	875	
440			1	440	
450			1	450	
460			1	460	
470	1	470	1	470	
475	2	950	1	475	
480	1	480	2	960	
485			1	485	
490					
495			1	495	
500	2	1,000			
505	1	505			
515	1	515	3	1,545	
530	1	530			
535			1	535	
540			2	1,080	
565			1	565	
575	1	575	1	575	
585			3	1,755	
590			1	590	
595	1	595	1	595	
605			2	1,210	
640			1	640	
649	2	1,350			
675					
680	1	680	1	680	
700	2	1,400	2	1,400	
773					
775	1	775			
780	1	780			
792	1	792			
796					
805	1	805			
831	1	831			
838	1	838			
864	1	864			
868	1	868			
874					
881					
908			1	908	
911					
919					
929					
944					
955					
970			1	970	
977	1	977			
992	1	992			
993					
996	1	996			
1,000					
1,008					
1,010					
1,020	1	1,020			
1,038	1	1,038			
1,100	1	1,100			
1,042	2	2,284			
1,147					
1,190	1	1,190			
1,197	1	1,197			
1,231	1	1,231			
1,246	1	1,246			
1,276	1	1,276			
1,312	1	1,312			
1,315					
1,341	1	1,341			
1,358					
1,418					

SESSIONAL PAPER No. 20a

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

ST. LAWRENCE CANALS—*Concludad.*

CANADIAN.				UNITED STATES.				
Steam Vessels.		Sailing Vessels.		Steam Vessels.		Sailing Vessels.		
Tonnage.	Number.	Total Tonnage.	Number	Total Tonnage.	Number.	Total Tonnage.	Number.	Total Tonnage.
1,444	1	1,444						
1,629	1	1,629						
1,758					1	1,758		
2,486	1	2,486						
	229	47,780	351	66,788	68	27,771	118	17,891

RIDEAU AND OTTAWA AND CHAMBLY CANALS.

8	140	1,120	55	440	15	120	3	24
10	16	160	6	60				
15	10	150	1	15	3	45		
20	5	100	6	120				
25	1	25	5	125	1	25	5	125
30	2	60	2	60				
35	2	70	1	35				
40	1	40	1	40	1	40		
45	2	90	4	180				
50	4	200	5	250			1	50
55	1	55	2	110			1	60
60	1	60	2	120			1	65
65			1	65				
70	2	140						
75	1	75	3	225			2	150
80			5	400			5	400
85	1	85	2	170			17	1,445
90	1	90					77	6,930
95	2	190	2	190			406	38,570
100			7	700				5,300
105	1	105	4	420				44
110	1	110	2	220			36	4,620
115	2	230	2	230				3,960
120			3	360				
125			3	375				
130			3	260				
135			5	675				
140	1	140	6	840				
145			9	1,305				
150	1	150	13	1,950				
155	1	155	12	1,860				
160			5	800				
165	1	165	3	495				
170			5	850				
175			1	175				
180	1	180						
195	2	390	2	390				
200			2	400				
205			3	615				
265	1	265						
270	1	270						
295	1	295						
319	1	319						
372	1	372						
375	1	375						
576	1	576						
Total.....	211	7,067	192	15,530	20	230	662	62,964

DEPARTEENT OF RAILWAYS AND CANALS,
OTTAWA, June 15, 1907.

RICHARD DEVLIN,
Compiler of Canal Statistics.

8-9 EDWARD VII., A. 1909

APPENDIX

No. (A) 21.—STATEMENT showing the Classified Tonnage of all kinds of

WELLAND

CANADIAN.

Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,465 tons.....	46	57,292	1	250 to 1,226 tons.....	17	10,416
2	200 " 249 "	1	245	2	200 " 249 "	1	205
3	150 " 199 "	3	470	3	150 " 199 "	3	350
4	100 " 149 "	4	440	4	100 " 149 "	6	25
5	50 " 99 "	7	550	5	50 " 99 "	10	625
6	Under 50 "	29	531	6	Under 50 "	30	283
Total.....		90	59,528	Total.....		67	11,904

ST. LAWRENCE

1	250 to 2,486 tons.....	49	40,667	1	250 to 1,246 tons.....	88	37,058
2	200 " 249 "	1	235	2	200 " 249 "	9	1,910
3	150 " 199 "	10	1,620	3	150 " 199 "	57	9,240
4	100 " 149 "	15	1,665	4	100 " 149 "	106	12,880
5	50 " 99 "	26	1,815	5	50 " 99 "	65	4,985
6	Under 50 "	128	1,778	6	Under 50 "	26	715
Total.....		229	47,780			351	66,788

RIDEAU, OTTAWA

1	250 to 576 tons.....	8	2,732	1	250 to —tons.....		
2	200 " 249 "	2	200 " 249 "			5	1,015
3	150 " 199 "	6	1,040	3	150 " 199 "	41	6,523
4	100 " 149 "	5	585	4	100 " 149 "	43	5,385
5	50 " 99 "	13	895	5	50 " 99 "	22	1,530
6	Under 50 "	179	1,851	6	Under 50 "	81	1,075
Total.....		211	7,067	Total.....		192	15,530

DEPARTMENT OF RAILWAYS AND CANALS,
OTTAWA, April , 1907.

SESSIONAL PAPER No. 20a

A--*Concluded.*

Vessels passed through the Canals during the Season of Navigation in 1907.

CANAL.

UNITED STATES.

Class.	Steam Vessels.	No.	Tonnage.	Class.	Sailing Vessels.	No.	Tonnage.
1	250 to 1,758 tons.....	70	61,652	1	250 to 1,310 tons.....	18	10,192
2	200 " 249 "	.....	2	200 " 249 "	.....	1	215
3	150 " 199 "	3	465	3	150 " 199 "	.....	.....
4	100 " 149 "	.....	4	100 " 149 "	.....	1	130
5	50 " 99 "	12	960	5	50 " 99 "	4	165
6	Under 50 "	21	394	6	Under 50 "	14	332
Total.....		106	63,471	Total.....		38	11,034

CANALS.

1	250 to 1,758 tons.....	30	26,439	1	250 to 993 tons.....	16	8,006
2	200 " 249 "	1	200	2	200 " 249 "	1	200
3	150 " 199 "	.....	3	150 " 199 "	.....	1	155
4	100 " 149 "	2	270	4	100 " 149 "	27	2,790
5	50 " 99 "	4	260	5	50 " 99 "	73	6,740
6	Under 50 "	31	602	6	Under 50 "	.....	.....
Total.....		68	27,771	Total.....		118	17,891

AND CHAMBLY CANALS.

1	250 to _____ tons.....	.....	.....	1	250 to _____ tons.....	.....	.....
2	200 " 249 "	.....	2	200 " 249 "	.....	1	200
3	150 " 199 "	.....	3	150 " 199 "	.....	1	155
4	100 " 149 "	.....	4	100 " 149 "	.....	144	15,145
5	50 " 99 "	5	50 " 99 "	5	50 " 99 "	510	47,670
6	Under 50 "	20	230	6	Under 50 "	8	149
Total.....		20	230	Total.....		662	62,964

RICHARD DEVLIN,
Compiler of Canal Statistics.

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.....	$8\frac{1}{2}$
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.....	$1\frac{1}{2}$
River St. Lawrence.....	10
5. Rapide Plat canal.....	$3\frac{3}{8}$
River St. Lawrence.....	4
6. Galops canal.....	$7\frac{1}{3}$
River St. Lawrence and Lake Ontario	236
7. Welland canal.....	$26\frac{3}{4}$
Lake Erie, Detroit river, Lake St. Clair, Lake Huron, &c.	580
8. Sault Ste. Marie canal.....	$1\frac{1}{4}$
Lake Superior to Port Arthur.....	266
 Total	$1,223\frac{7}{8}$
To Duluth.....	1,357
Chicago.....	$1,286$

Second.—Ottawa to Lake Champlain.

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

Third.—Ottawa to Kingston and Perth.

1. Rideau canal.

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

1. Trent canal (not completed).

Fifth.—Ocean to the Bras d'Or lakes.

1. St. Peter's canal.

SESSIONAL PAPER No. 20a

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 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, Soulange, 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 Soulange 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.

8-9 EDWARD VII., A. 1909

LACHINE CANAL.

First construction	commenced.....	1821
"	completed.....	1825
First enlargement	commenced.....	1843
"	completed.....	1848
Second enlargement	commenced	1873
"	completed.....	1901
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 "
on sills. } at three locks.....		14 "
Average width of new canal.....		150 "

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

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

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

SOULANGES CANAL.

Construction commenced.....	1892
Open for traffic.....	1899
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 Soulange, the distance is sixteen miles.

CORNWALL CANAL.

First commenced, 9 feet.....	1844
" opened.....	1847
Enlargement commenced.....	1897
" completed	1900
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 "

SESSIONAL PAPER No. 20a

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 Soulange 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.

First commenced, 9 feet	1844
" opened	1847
Enlargement commenced	1897
" completed	1900
Length of canal	$1\frac{1}{2}$ mile.
Number of locks	1
New lock	800 feet by 45 feet.
Old lock	200 "
Total rise or lockages	$3\frac{1}{2}$ feet.
Depth of water on sills of new lock	14 "
Depth of water on sills of old lock	9 "
Breadth of canal at bottom	90 "
Breadth of canal at water surface	154 "

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

RAPIDE PLAT CANAL.

First commenced, 9 feet	1844
Opened	1847
Enlargement commenced	1884
" completed	1897
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.

8-9 EDWARD VII., A. 1909

GALOPS CANAL.

First commenced, 9 feet.....	1844
Opened.....	1846
Enlargement commenced.....	1888
" completed.....	1903
Length of canal.....	7 $\frac{3}{4}$ 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 " <i>etc.</i>

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.

Construction begun.....	1882
Completed	1890
Length between eastern and western pier heads..	5 $\frac{1}{6}$ miles.
Breadth at bottom.....	80 feet.
Breadth at water surface.....	120 "
Depth below lowest known lake level.....	11 "
No locks.	

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

WELLAND CANAL.

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

Old Line.	Enlarged or New Line.
Length of canal.....	27 $\frac{1}{2}$ miles
Pairs of guard-gates (formerly 3).	2
Number of locks { lift.....	26
guard.....	1
Dimensions.....	{ 1 lock 200 x 45 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
Dept of water on sills.....	10 $\frac{1}{4}$ "
Construction commenced, 10 feet 3 inches.....	1824
" completed.....	1833
Enlargement commenced, 14 feet	1872
" completed.....	1887

SESSIONAL PAPER No. 20a

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, 11½ 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.

Construction commenced	1888
Opened for traffic	1895
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

SESSIONAL PAPER No. 20a

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 245½ miles.

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

Ottawa River Canals.

The Ste. Anne's lock.
Carillon canal.

Grenville canal.
Rideau canal.

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

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

Sections of Navigation.	Intermediate Distance.	Total Distance, from Montréal.
	Miles.	Miles.
The Lachine canal.	8½	
From Lachine to Ste. Anne's lock	15	23
Ste. Anne's lock and piers	½	23
Ste. Anne's lock to Carillon canal	27	50
The Carillon canal	¾	51
The Carillon to Grenville canal	6½	57
The Grenville canal	5½	63
From the Grenville canal to entrance of Rideau navigation	56	119
Rideau navigation ending at Kingston	126½	245

STE. ANNE'S LOCK.

Construction commenced	1814.
“ completed	1816.
Rebuilt of wood	1833.
“ in masonry	1843.
Length of canal	Old Lock. New Lock.
Number of locks	½ mile. ½ mile.
Dimensions of locks	190 x 45 feet 200 x 45 feet.
Total rise or lockage	3 feet. 3 feet.
Depth of water on sills	6 " 9 "

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

SESSIONAL PAPER No. 20a

THE CARILLON CANAL.

Construction commenced.....	1819.
" completed.....	1833.
Enlargement commenced.....	1871.
" completed.....	1887.
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.

Construction commenced.....	1819..
" completed.....	1833.
Enlargement commenced.....	1871.
" completed	1887.
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.

Construction commenced.....	1826
" completed.....	1832

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

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

8-9 EDWARD VII., A. 1909

PERTH BRANCH.

Construction commenced	1883.
" completed	1892.
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 of water	{ 40 " in rock. 60 " in clay.

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

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

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

These may be divided into three systems, viz :—

1. The summit level, supplied by the Wolfe lake system.
2. The eastern descending level to Ottawa, supplied by the River Tay system, discharging into Lake Rideau.
3. The south-west descending level to Kingston, supplied by the Mud lake system formerly known as the Devil lake system, discharging into Lake Openicon.

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

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

RICHELIEU AND LAKE CHAMPLAIN.

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

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

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

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

SESSIONAL PAPER No. 20a

ST. OURS LOCK DAM.

Construction commenced	1844.
" completed	1849.
Length	$\frac{1}{8}$ mile.
Number of locks	1 "
Dimensions of lock	200 feet by 45 feet.
Total rise of lockage	5 "
Depth of water on sills	7 feet at low water.
Length of dam in eastern channel	300 "
Length of dam in western channel	690 "

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

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

CHAMBLY CANAL.

Construction commenced	1831
" completed	1843
Length of canal	12 miles.
Number of locks	9
Dimensions of locks :—	
Guard lock, No. 1 at St. Johns	122 feet.
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 "

From 22½ to 24 feet wide.

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

8-9 EDWARD VII., A. 1909

been made practicable for navigation, and the whole scheme is now being carried out. A branch of the main route, extending from Sturgeon lake south, affords communication with the town of Lindsay, and, through Lake Scugog to Port Perry, a distance of 190 miles from Trenton.

The following table give the distance of navigable and unnavigable reaches.

From Trenton, Bay of Quinté to Nine Mile rapids.	—	9
Nine Mile rapids to Percy landing.....	19½	—
Percy landing to Heeley's Falls dam.....	—	14½
Heeley's Falls dam to Peterborough.....	51¾	—
Peterborough to Lakefield.....	—	9
Lakefield to a point across Balsam lake.....	61	—
	—	—
	132¼	32½
Total distance, Bay of Quinté to a point across Balsam lake...	—	165
From Sturgeon point on Sturgeon lake, 48¾ miles from Lakefield, the branch through the town of Lindsay to Port Perry at the head of Lake Scugog.....	—	27

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

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

At Young's point, 5 miles from Lakefield, the dam between Lake Katchewannoe and Clear lake controls the water level through Clear and Stony lakes up to the foot of the Burleigh canal.

At Burleigh rapids, 10 miles from Young's point, a canal, about 2½ 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" "

SESSIONAL PAPER No. 20a

ST. PETER'S CANAL, CAPE BRETON.

Construction commenced.....	1854
" completed.....	1869
Enlargement begun.....	1875
" completed.....	1881
Length of canal.....	About 2,400 feet.
Breadth at water line.....	50 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.

Construction begun.....	1842
" completed.....	1845
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, the Beauharnois canal is abandoned for navigation purposes.

EARLIER CANALS.

A system of three canals preceded the Beauharnois. These were :

COTEAU DU LAC CANAL.

Construction commenced.....	1779
" completed.....	1780

SPLIT ROCK CANAL.

Construction commenced.....	1779
" completed.....	1780

CASCADE POINT CANAL.

Construction commenced.....	1782
" completed.....	1783

The locks were 20 x 6 feet, and provided for a draft of 2 feet. In 1814 the work of widening them to 12 feet was begun, and finished in 1817.

8-9 EDWARD VII., A. 1909

Two canals were also constructed off Burlington Bay, Ontario. They were:

BURLINGTON BAY CANAL.

Construction commenced.....	.....	1825
" completed .....	.....	1832

DESJARDINS CANAL.

Construction commenced .. .	.....	1826
" completed .. .	.....	1837

Neither of these canals required locks. They have for many years been abandoned. The depth of water provided in the first instance was $7\frac{1}{2}$ feet.

ST. LAWRENCE NAVIGATION—TABLE OF DISTANCES.

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

From	To	Sections of Navigation.	Statute Miles.	
			Intermediate.	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	8½	994½
Lachine	Cascade Point	Lake St. Louis	16	1,069½
Cascade Point	Coteau Landing	Soulanges Canal	14	1,021
Coteau Landing	Cornwall	Lake St. Louis	50	1,053½
Cornwall	Dickinson's Landing	Cornwall Canal	11½	1,065½
Dickinson's Landing	Farran's Point	River St. Lawrence	5	1,070½
Farran Point	Upper end of Croyle's Island	Farran's Point	3	1,071
Upper end Croyle's Island	Williamsburg or Morrisburg	River St. Lawrence	10½	1,081½
Williamsburg	Rapide Plat	Rapide Flat Canal	4	1,085½
Rapide Plat	Point Iroquois Village	River St. Lawrence	4½	1,090
Point Iroquois Village	Upper end Presqu'ile	Point Iroquois Canal	3	1,093
Presqu'ile	Point Cardinal, Edwardsburg	Junction Canal	2½	1,095½
Point Cardinal	Head of Galops Rapids	Galops Canal	2	1,097½
Galops Rapids	Prescott	River St. Lawrence	7½	1,105
Prescott	Kingston	"	59	1,164
Kingston	Port Dalhousie	Lake Ontario	170	1,334
Port Dalhousie	Port Colborne	Welland Canal	26½	1,360½
Port Colborne	Amherstburg	Lake Erie	232	1,592
Amherstburg	Windsor	River Detroit	18	1,610½
Windsor	Foot of St. Mary's Island	Lake St. Clair	25	1,635½
Foot of St. Mary's Island	Sarnia	River St. Clair	33	1,668½
Sarnia	Foot of St. Joseph Island	Lake Huron	270	1,938½
Foot of St. Joseph's Island	Foot of Sault Ste. Marie	River Ste. Marie	47	1,985½
Sault-Ste. Marie	Head of Sault Ste. Marie	Sault Ste. Marie Canal	1	1,986½
Head of Sault Ste. Marie	Pointe aux Pins	River Ste. Marie	7	1,993½
Pointe aux Pins	Port Arthur	Lake Superior	266	2,259½
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 2,259½ miles from the Straits of Belle-Ile to the head of Lake Superior, 73½ miles are artificial navigation, and 2,188½ 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.

Depot Harbour to Port Arthur is 510 miles; to Duluth is 644 miles; to Chicago 525 miles, and to Milwaukee, 442 miles.

3-9 EDWARD VII., A. 1909

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

No. of Station.	Name of Station.	Distances from Ottawa.	Locks.		Dams.			Length of Artificial Canal at each Station in miles.
			No.	Lift at Low water.	No.	Length.	Height.	
		Miles.	Rise. Ft. In.	Feet.	Feet.			
1	Ottawa.....	0	8 82 0	3	{ 230 1,320 1,616		13 33 14	
2	Hartwell's.....	4 $\frac{1}{2}$	2 22 0	...	100	28		4' 00
3	Hogsback.....	5 $\frac{1}{2}$	2 13 6	1	320	60		
4	Black Rapids.....	9 $\frac{1}{2}$	1 10 0	1	300	12	0' 13	
5	Long Island.....	14 $\frac{1}{2}$	3 27 0	3	850	68	6' 13	
6	Burritt's.....	40 $\frac{1}{2}$	1 10 6	1	240	14	1' 50	
7	Nicholson.....	43 $\frac{1}{2}$	2 15 2	1	500	9	0' 50	
8	Clowes.....	44 $\frac{1}{2}$	1 10 0	1	481	16	0' 05	
9	Merrickville.....	40 $\frac{1}{2}$	3 25 0	1	150	6	0' 33	
10	Maitland.....	55	1 4 9	1	270	8	0' 13	
11	Edmunds.....	59 $\frac{1}{2}$	1 10 10	1	343	8	0' 06	
12	Old Slys.....	60 $\frac{1}{2}$	2 15 6	1	250	20	0' 25	
13	Smith's Falls.....	61 $\frac{1}{2}$	4 33 9	2	600	24	0' 13	
14	First Rapids or Poonamalie.....	64	1 7 9	1	260	5	1' 25	
15	Narrows.....	83 $\frac{1}{2}$	1 4 0	1	600	9	0' 06	
	Total rise at low water.....		292 3		Fall.			
16	Isthmus.....	87 $\frac{1}{2}$	1 4 0	...				1' 25
17	Chaffey.....	92	1 12 6					0' 13
18	Davis.....	94 $\frac{1}{2}$	1 9 0	1	300	15	0' 06	
19	Jones' Falls.....	97 $\frac{1}{4}$	4 60 0	1	300	60	0' 25	
20	Brewer's Upper Mills.....	108 $\frac{1}{4}$	2 19 0	1	200	20	1' 75	
21	" Lower Mills.....	110	1 14 2	1	200	12	4' 25	
22	Kingston Mills.....	120 $\frac{1}{4}$	4 46 8	1	6,042	14	0' 25	
23	Kingston.....	120 $\frac{1}{4}$						
	Total fall at low water.....		165 4					
	Total.....	47		24	15,472	....	....	16' 46

INDEX.

CANAL STATISTICS FOR SEASON OF NAVIGATION IN 1907.

INTRODUCTION—
PAGE.

Comparison of Traffic—Railways <i>vs.</i> Canals.....	7, 8
Tonnage of Freight and Vessels for a number of years.....	9, 14

REVENUE	15
Statement of grain passed down the Welland Canal.....	16
" " to Montreal by Grand Trunk and C. P. Railways	27
" " St. Lawrence Canals.....	17
" " to Sea-board by N. Y. Railways and Canals.....	18
" of Transhipment of Grain at Kingston and Prescott	19
" of East and West-Bound Freight	20
" of Division of Freight by Canals	21, 22
" Statistical Comparison of various United States routes.....	23, 26
" Comparison of St. Mary's Fall, and Canadian Soo Canals.....	27

FREIGHT RATES—

Statement C Tonnage of Certain Articles through all the Canals of New York.....	28, 29
D " " " the Welland Canal	30, 31
E " Cleared at Buffalo and Tonawanda through the Erie Canal.....	32
F " " Downwards on the Welland Canal	34
G " through the Welland Canal in transit between Ports of the United States	35
H " of Vegetable Food, carried on Welland and New York Canals and the two principal Railways, competing for the carrying trade to Tidewater	36
I " Freight passed Down the Welland Canal in Canadian and United States Vessels.....	37-40
I " Freight passed Up the Welland Canal in Canadian and United States Vessels.....	41
I " Summary of Up and Down Freight on the Welland Canal.....	42
J of Large class Vessels lightened at Welland Elevator at Port Colborne.....	43, 44
K of Freight passed Eastward from Lake Erie to Montreal	45, 46
L " " Westward from Montreal to Lake Erie	47, 48
M " " Eastward through the Welland Canal from the United States to United States Ports	49, 50
N of Vessels and their cargoes of Grain from Ports West of Port Colborne to Montreal, quantity transhipped at Kingston and Prescott and quantity taken to Montreal.....	51, 52
O Recapitulation of Statement N	53
O Quantity of Grain passed down the Welland Canal to Kingston and Prescott, in Canadian and United States Vessels	54
P Recapitulation of Statement O.....	54
Q Comparative Statement of Grain to Kingston and Prescott for 1906 and 1907.....	55
S Coal passed through the Welland Canal	56
T " " St. Lawrence Canals	57
U Quantity of Freight passed down the Welland Canal to Montreal, quantity to Ontario Ports and quantity to United States Ports	58-69
Recapitulation of Statement U	70-73

	PAGE.
CANAL REVENUE—Comparative Statement of Vegetable Food on all the Canals for years 1906 and 1907.....	74, 75
Comparative Statement of Revenue on all the Canals for years 1906 and 1907	76, 77
 STATISTICS OF CANAL TRAFFIC—	
Statement No. 1. Welland Canal, Total Traffic arranged alphabetically.....	78
2. " " Through Traffic "	82
3. " " Way "	86
4. St. Lawrence " " "	90
5. " " Through "	94
6. " " Way "	98
7. Ottawa Canals " " "	102
8. Chamby Canal " " "	105
9. Rideau " " "	108
10. St. Peters " " "	112
11. Trent Valley " " "	115
12. Murray " " "	118
13. Sault Ste. Marie " " "	121
14. Statement of Traffic on above mentioned Canals according to Class.	125
15. Summary of " " "	130
16. Statement of the Amount of Tolls accrued each month on all the Canals.	136
17. " Number, Tonnage and Nationality of Vessels passed through all the Canals.....	138
18. Comparative Statement of Grand Total Traffic, passed through all the Canals	144
19. Comparative statement of Traffic on all the Canals for 1906 and 1907....	145
20. Statement of Number and Tonnage of Vessels passed through the Wel- land Canal in 1907.....	148
20. Statement of Number and Tonnage of Vessels passed through the St. Lawrence Canals in 1907	151
20. Statement of Number and Tonnage of Vessels passed through the Rideau, Ottawa and Chamby.....	153
21. Classified Tonnage of all Vessels through all the Canals in 1907	154
 APPENDIX B—	
Length and dimension of all the canals, also dates of construction.	156, 168
Table of distances from Strait of Belle-Isle to Port Arthur.	169
Stations and distances between Ottawa and Kingston	170