

SUPPLEMENT NO. 1

TO THE

INLAND REVENUE REPORT

FOR THE YEAR ENDED 30TH JUNE, 1878.

CANAL STATISTICS

FOR THE SEASON OF NAVIGATION, 1878.



OTTAWA:

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CONTENTS.

REPORT of the Commissioner of Inland Revenue for the Season of Navigation ended
31st December, 1878.

	PAGES.
Statistics of Canal Traffic.....	1 to 40.

No. OF STATEMENT.		PAGE
21	Welland Canal, Details of Traffic arranged Alphabetically.....	2
22	St. Lawrence Canals do do 	6
23	Burlington Bay Canal do do 	10
24	Ottawa Canals do do 	14
25	Chambly Canal do do 	18
26	Rideau Canal do do 	22
27	St. Peter's Canal do do 	26
28	Newcastle District Canals do do 	27
29	Statement of Traffic on the above-mentioned Canals arranged according to Classes.....	28
31	Statement of the amount of Tolls accrued each month on all the Canals	34
32	Statement of the Number, Tonnage and Nationality of Vessels passed through all the Canals.....	36
	Comparative Statement of Grand Total Freight passed through all the Canals, for the Season of Navigation 1877, 1878.....	40

SUPPLEMENT No. I

TO THE

REPORT

OF THE

COMMISSIONER OF INLAND REVENUE.

To the Honorable
The Minister of Inland Revenue.

SIR,—I have now the honor to submit my Report on the Canal Statistics for the season of navigation of 1878:—

1. The Statistics of the season of 1877 are printed with the Annual Report of the Department; and comparing them with those now submitted, it will be seen that the aggregate revenue has decreased in 1878 by \$42,898.12. This decrease is accounted for as follows:—

	Decrease.	Increase.
	\$ cts.	\$ cts.
On the Welland Canal	37,959 03	
do St. Lawrence Canals....	.....	1,991 14
do Burlington Bay Canal...	.....	104 11
do Chambly Canal.....	3,514 84	.....
do Rideau Canal	284 20	.....
do Ottawa Canals.....	3,073 60	.....
do St. Peter's Canal.....	.....	.....
do Newcastle Dis't Canals.	161 70	.....
	<hr/>	<hr/>
	44,993 37	2,095 25
	<hr/>	<hr/>

Showing a decrease of \$42,898 12
Or about 11·38 per cent.

**Comparison
with New
York canals.**

2. In continuation of the statistical comparisons which were given last year of the quantities of the principal articles carried through the Welland Canal, with the quantities of similar articles carried over the routes in the United States in competition with that work, similar statements will be found printed herewith.

**Vegetable
food.**

3. The increase or decrease in the tonnage of flour, wheat, barley, corn, oats, rye, and other vegetable food moved through the Welland Canal and through the Erie Canal, as compared with the movement of 1869—the year before the reduction of tolls on the Erie Canal took place—may be summarized as follows:—

	1870.		1871.		1872.		1873.		1874.	
	Increase per cent.	Decrease per cent.								
New York Canals.....	0·58	42·03	28·53	33·97	35·69
Welland Canal.....	18·43	32·59	23·73	7·18	23·55
	1875.		1876.		1877.		1878.		1879.	
	Increase per cent.	Decrease per cent.								
New York Canals...	0·22	18·29	15·07	46·83
Welland Canal.....	1·61	9·69	19·3	12·89

4. The movement of *Heavy Goods*, including iron, salt, coal, ~~Heavy goods~~
and iron ore, shows the following result :—

		1870.	Increase per cent.	Decrease per cent.	1871.	Increase per cent.	Decrease per cent.	1872.	Increase per cent.	Decrease per cent.	1873.	Increase per cent.	Decrease per cent.	1874.	Increase per cent.	Decrease per cent.
New York Canals.	.....	15.09														
Welland Canal.	.....	2.35	1.12	5.81	18.01	5.11	25.113	19.37	5.11	44.44	3.14					

		1875.	1876.	1877.	1878.
New York Canals.	.....	8.55	41.52	11.33	33.96
Welland Canal	.....	1.52	9.54	7.47	0.57

Vegetable
food cleared
downwards.

5. Making a similar comparison of the tonnage of similar articles of Vegetable Food, cleared downwards at Buffalo and Tonawanda, with the quantities cleared eastward at Port Colborne, we have the following result :—

		1870.		1871.		1872.		1873.		1874.
		Increase per cent.	Decrease per cent.	Increase per cent.						
At Buffalo and Tonawanda.....	2·05	67·29	67·50	82·10	47·18
At Port Colborne.....	17·15	33·30	26·61	9·45	26·26
		1875.		1876.		1877.		1878.		
		Increase per cent.	Decrease per cent.	Increase per cent.						
At Buffalo and Tonawanda...	29·38	0·39	55·52	109·08			
At Port Colborne.....	1·45	14·33	25·87	11·12		

6. The quantities of Vegetable Food passed through the Welland Canal in transit between ports in the United States has largely decreased, as will be seen by the following statement, and the decrease in 1878 is greater as compared with 1869 than in any preceding year. There has also been a decrease in the quantities of Heavy Goods.

		Increase per cent.	Decrease per cent.						
Vegetable Food.....	0·04	13·94	6·19	29·86
Heavy Goods.....	1·20	5·32	15·46	13·70	23·46	14·04

		1875.	1876.	1877.	1878.
Vegetable Food .....	.....	13·65	46·11	49·68	52·26
Heavy Goods.....	.....	7·03	11·56	3·04	9·24

Proportion of
freight
carried by
New York
canals and
competing
railways.

7. On reference to the returns made by the railways to the State authorities of New York, and to the canals 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:—

In 1859.....	68·9	per cent.
1869.....	47·0	do
1870.....	38·9	do
1871.....	38·9	do
1872.....	40·1	do
1873.....	34·9	do
1874.....	31·7	do
1875.....	28·4	do
1876.....	24·6	do
1877.....	28·3	do

It will thus be seen, as will presently appear, that the total quantity of freight carried by the canals and railways was greater in 1877 by five hundred and forty-one thousand one hundred and forty-three tons than the quantity carried in 1876.

The proportion carried by canals shows an increase over the previous year.

The quantities carried are as follows:—

	Total Tonnage.	Proportion by Canals.
In 1859.....	5,485,076	·6890
1869.....	12,453,174	·4705
1870.....	15,148,274	·3895
1871.....	15,844,152	·3896
1872.....	16,631,609	·4012
1873.....	18,200,208	·3497
1874.....	18,283,547	·3174
1875.....	17,101,758	·2841
1876.....	16,948,627	·2462
1877.....	17,489,770	·2833

The above figures are the latest I have been able to obtain in a reliable form. By reference to the figures in Statement II as to the quantity of Vegetable Food carried to tide-water, it will be observed that the quantity carried by canals has increased forty-six per cent. as compared with 1869, and twenty-eight per cent. as compared with the previous year; and the quantity carried by railways has increased nearly two hundred and thirty-nine and three-quarters per cent. as compared with 1869, and forty-eight per cent. as compared with the previous year.

8. The following figures are an abstract of the quantities, for ten years, of Vegetable Food carried to tide-water by the canals and railways of the State of New York:—

Proportion of
vegetable
food carried
by New York
canals and
competing
railways.

	Canals.'	Railways.	Total.	Proportion by Canals.
1869.....	1,302,613	1,087,809	2,390,422	.545
1870.....	1,295,010	1,766,457	3,061,467	.423
1871.....	1,850,198	2,205,589	4,055,787	.456
1872.....	1,674,320	1,870,614	3,544,934	.472
1873.....	1,745,171	2,036,992	3,782,163	.461
1874.....	1,767,598	2,791,517	4,559,115	.387
1875.....	1,305,550	2,343,241	3,648,791	.357
1876	1,064,293	2,875,803	3,940,096	.270
1877.....	1,498,984	2,493,683	3,992,667	.375
1878.....	1,912,734	3,695,764	5,608,498	.341

From which it appears that, notwithstanding the modification of the Erie Canal tolls, the proportion of the total volume of freight of the description mentioned carried by the railways has increased from 625 per cent. in 1877 to 659 per cent. in 1878.

The tariff on the State Canals has been again modified for the current year, the rates being generally reduced, and a large proportion of the articles included in the above statement will now pass free, such as pork, beef, bacon, cheese, butter, lard, wool, flour, corn-meal, live cattle, and other articles of minor importance.

I have the honor to be, Sir,

Your obedient servant,

A. BRUNEL,

Commissioner.

DEPARTMENT OF INLAND REVENUE,

31st January, 1879.

C.—TABLE showing the Tonnage of the undermentioned Articles, moved on all the Canals of the State of New York during a series of Ten Years.

	1869. Tons.	1870. Tons.	1871. Tons.	1872. Tons.	1873. Tons.	1874. Tons.	1875. Tons.	1876. Tons.	1877. Tons.	1878. Tons.
VEGETABLE FOOD.										
Flour.....	71,051	54,978	41,211	20,534	19,307	29,134	17,635	9,290	8,923	5,904
Wheat.....	670,534	658,524	748,549	403,903	803,064	772,163	744,293	416,376	448,043	814,555
Corn	256,475	193,129	672,057	902,753	637,296	519,203	282,031	365,254	723,458	734,993
Barley.....	99,012	123,191	113,992	120,061	70,586	98,654	104,475	96,194	139,413	89,534
Oats.....	92,309	117,941	129,891	92,959	70,023	59,408	62,717	52,147	66,045	85,029
Rye.....	13,489	19,520	34,563	13,357	30,160	8,215	8,309	19,949	35,948	64,613
Other Vegetable Food.....	99,743	127,727	109,935	120,753	114,735	280,821	86,090	104,783	77,114	88,106
Total	1,302,613	1,295,010	1,850,198	1,674,320	1,745,171	1,767,598	1,305,550	1,064,293	1,498,984	1,912,734
Increase } per cent. as compared with 1869.	.....	.....	42.03	28.53	33.97	35.69	0.22	.....	15.07	46.83
Decrease } .....	.....	0.58	.....	.....	.....	.....	18.29	.....	.....	.....
HEAVY GOODS.										
Railway Iron	137,677	135,930	178,260	161,667	53,363	24,511	36,603	11,691	10,341	8,385
Other Iron.....	79,652	89,708	100,310	96,996	62,581	82,955	95,305	69,450	58,828	65,642
Salt.....	263,333	266,740	248,709	248,558	216,706	173,590	186,785	114,070	156,918	139,927
Coal.....	1,324,408	1,558,185	1,194,037	1,462,590	1,625,859	1,413,162	1,217,091	1,036,698	1,286,881	889,873
Ores.....	183,992	238,802	289,952	377,582	415,968	232,544	283,219	173,530	250,573	210,078
Total	1,989,062	2,289,365	2,011,277	2,347,403	2,374,477	1,926,762	1,819,003	1,405,439	1,763,541	1,313,905
Increase } per cent. as compared with 1869.	.....	15.09	1.12	18.01	19.37	.....	3.14	8.55	41.52	11.33
Decrease } .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33.96

XII.

NOTE.—In 1872 there was a change made in the rate of tolls, by which the tariff on flour, wheat, barley, rye, anthracite coal and iron ore was reduced one-half; on corn and oats, two-fifths; and on railway iron, domestic salt and bituminous coal, one-third.

D.—TABLE showing the Tonnage of the undermentioned Articles moved through the Welland Canal during a series of Ten Years, ended 30th June, 1878.

	1869. Tons.	1870. Tons.	1871. Tons.	1872. Tons.	1873. Tons.	1874. Tons.	1875. Tons.	1876. Tons.	1877. Tons.	1878. Tons.
VEGETABLE FOOD.										
Flour.....	45,675	42,741	47,403	27,623	29,780	29,361	17,681	15,759	14,968	11,227
Wheat.....	313,825	432,162	435,166	297,222	303,507	378,591	340,345	261,030	182,698	237,839
Corn.....	120,569	84,252	164,599	264,262	194,950	198,000	127,688	119,506	169,233	166,801
Barley.....	20,951	34,001	13,788	14,719	6,174	7,729	14,067	37,057	22,293	15,221
Oats.....				2,460	7,706	3,272	3,023	4,192	14,553	13,066
Rye.....	904	1,036	954	3,737		516	417	643	1,531	2,219
Other Articles.....	1,937	2,557	3,706	8,179	2,367	5,338	7,600	6,474	2,778	2,772
Total.....	503,860	596,749	608,076	623,448	540,050	622,558	511,990	455,022	406,567	438,889
Increase } per cent. as compared with 1869.	18.43	32.59	23.73	7.18	23.55	1.61	9.69	19.3	12.89	
HEAVY GOODS.										
Railway Iron.....	68,064	60,110	62,720	41,167	18,815	4,702	5,962	1,523	3,767	5,918
Other Iron.....	16,924	20,433	24,676	19,677	17,518	18,374	10,423	7,392	6,280	11,829
Salt.....	91,575	83,289	92,252	47,766	40,721	44,264	19,198	17,437	23,188	9,372
Iron and Salt having paid full toll on St. Lawrence Canals.....	37,153	37,138	39,062	53,691	55,302	32,435	21,814	24,154	25,580	12,698
Coal.....	103,126	98,472	125,119	136,480	245,622	372,979	269,659	328,403	324,785	297,898
Ores.....	58,781	67,334	53,624	57,615	92,069	69,815	42,896	32,563	22,387	35,752
Total.....	375,623	366,776	397,453	356,396	470,047	542,569	369,957	411,472	405,987	373,467
Increase } per cent. as compared with 1869.	5.81	2.35	5.11	25.113	44.44	1.52	9.54	7.47	0.57	

E.—TABLE showing the Tonnage of the undermentioned Articles cleared at Buffalo and Tonawanda for transit through the Erie Canal for a series of Ten Years ended 30th June, 1878.

	1869. Tons.	1870. Tons.	1871. Tons.	1872. Tons.	1873. Tons.	1874. Tons.	1875. Tons.	1876. Tons.	1877. Tons.	1878. Tons.
VEGETABLE FOOD.										
Flour.....	5,609	8,258	5,607	.....	6	.....	5,859	231	1,710	987
Wheat.....	490,904	502,158	570,849	330,032	737,167	650,161	695,315	377,317	398,416	775,953
Corn.....	219,874	165,577	579,709	866,169	611,675	450,728	273,006	256,064	709,723	718,714
Barley.....	1,978	19,944	19,810	41,515	8,626	3,192	1,156	6,335	26,351	21,665
Oats.....	63,728	89,156	106,391	73,572	51,615	44,079	26,609	26,488	54,539	69,256
Rye.....	2,150	10,593	27,622	5,990	22,441	112	2,242	12,205	27,365	51,064
Other Articles.....	2,193	6,906	5,705	88	634	237	3,372	4,691	4,976	6,662
Total.....	786,436	802,592	1,315,693	1,317,276	1,432,174	1,157,509	1,017,559	783,331	1,223,100	1,644,301
Increase } per cent. as compared with 1869	2·05	67·29	67·50	82·10	47·18	29·38	.....	0·30	55·52	109·68

Supplement to the above showing the Shipments at Oswego during the same period.

	1869.	11,440	10,043	4,773	4,061	.....	1,728	967	855	1,394
Flour.....	7,361	11,440	10,043	4,773	4,061	.....	1,728	967	855	1,394
Wheat.....	141,360	115,732	123,173	57,865	53,361	108,288	32,690	21,890	28,955	24,171
Corn.....	28,585	10,120	70,218	27,148	10,578	46,127	3,034	1,324	3,308	1,383
Barley.....	66,734	77,906	72,675	62,172	46,337	77,007	75,083	63,336	80,306	50,381
Oats.....	1,113	3,953	1,866	684	670	1,103	3,308	117	316	.....
Rye.....	8,769	7,402	6,250	6,751	6,019	7,053	4,989	5,703	6,603	10,598
Other Articles.....	14,033	11,628	13,259	10,425	10,739	3,747	5,931	6,638	6,556	5,222
Total.....	267,815	238,181	297,424	169,818	131,765	243,325	126,763	99,975	126,809	93,149
Increase } per cent. as compared with 1869	.....	11·05	.....	36·59	50·80	9·14	32·67	62·67	52·61	65·21
	.....	11·06	.....	.....	.....	.....	.....	.....	.....	.....

F.—TABLE showing the Tonnage of the undermentioned Articles cleared downwards at Port Colborne during a series of Ten Years ended 30th June, 1878.

	1869. Tons.	1870. Tons.	1871. Tons.	1872. Tons.	1873. Tons.	1874. Tons.	1875. Tons.	1876. Tons.	1877. Tons.	1878. Tons.
VEGETABLE FOOD.										
Flour.....	44,110	41,694	45,867	27,138	29,775	29,358	17,645	15,759	14,928	11,060
Wheat.....	310,690	428,749	418,917	290,859	292,148	370,091	333,903	254,828	175,018	234,577
Corn.....	119,541	83,418	163,104	262,643	194,950	197,873	127,665	119,234	169,233	166,790
Barley.....	3,920	6,500	7,366	8,543	2,965	2,147	377	813	5,426	6,436
Oats.....				7,561	3,257	3,019	4,191	14,553	13,066	2,810
Rye	680	757	804	3,695		3		643	1,497	2,219
Other Articles.....	1,541	1,081	3,635	7,175	2,168	3,425	3,100	5,285	2,076	2,606
Total.....	479,882	562,199	639,693	607,614	525,261	605,916	486,881	411,115	381,244	426,468
Increase } per cent. as compared with 1869 {	17·15	33·3	26·61	9·45	26·26	1·45		14·33	25·87	11·12

G.—TABLE showing the Tonnage of the undermentioned Articles passed through the Welland Canal in transit between Ports in the United States, during a series of Ten Years ended 30th June, 1878.

	1869. Tons.	1870. Tons.	1871. Tons.	1872. Tons.	1873. Tons.	1874. Tons.	1875. Tons.	1876. Tons.	1877. Tons.	1878. Tons.
VEGETABLE FOOD.										
Flour.....	30,681	25,353	20,376	14,651	11,079	9,489	6,555	3,077	4,772	2,367
Wheat.....	211,085	224,480	222,866	152,905	134,158	151,983	190,137	117,337	92,390	94,286
Corn.....	91,149	80,409	132,200	129,146	86,417	122,045	86,479	52,164	70,878	60,682
Barley.....	2,942	5,543	5,451	6,669	1,677	1,034	.....	2,641	543	1,060
Oats.....	.....	.....	1,987	7,478	3,110	3,017	3,928	4,511	340	2,314
Rye.....	667	1,036	917	3,602	.....	3	.....	643	568	72
Other Articles.....	1,006	563	788	2,168	302	1,943	4,374	1,512	345	356
Total.....	337,530	337,384	384,585	316,619	236,743	290,114	291,473	181,885	169,836	161,117
Increase } per cent. as compared with 1869 {	13.94	.....	.....	.....	.....	.....	.....	.....	.....	.....
Decrease } per cent. as compared with 1869 {	0.04	.....	6.19	29.86	14.04	13.65	46.11	49.68	52.26	.....
HEAVY GOODS.										
Railway Iron.....	68,064	59,906	62,123	40,109	16,706	2,698	5,672	20	3,722	5,254
Other Iron.....	14,334	17,433	18,761	14,204	14,534	11,762	7,150	3,903	4,551	10,949
Salt.....	89,086	81,474	90,135	46,594	40,377	43,673	18,653	17,094	22,378	8,469
Coal.....	28,566	27,320	42,882	54,011	132,958	102,962	168,931	211,114	171,937	150,003
Ores.....	35,912	52,678	34,634	44,563	63,735	40,233	18,977	31,220	26,199	39,484
Total.....	235,962	238,811	248,535	199,481	268,310	291,328	219,383	263,351	228,787	214,159
Increase } per cent. as compared with 1869 {	1.20	5.32	15.46	.....	13.70	23.46	7.03	11.56	3.04	9.24
Decrease } per cent. as compared with 1869 {	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

H.—TABLE showing the Tonnage of Vegetable Food carried on each of the Lines of Canals, and on the two Principal Railways competing for the Carrying Trade between Lake Erie and Tidewater, for a series of Ten Years ended 30th June, 1878.

6—B*		1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Total on New York Canals.....	1,302,613	1,295,010	1,850,198	1,674,320	1,745,171	1,767,598	1,305,550	1,064,293	1,408,984	1,912,734	
Increase } per cent. as compared with 1869... {			42.03	28.53	33.97	35.69	0.22		15.07	46.83	
Decrease } per cent. as compared with 1869... {		0.58						18.29			
Total on Welland Canal.....	503,860	596,749	668,076	623,448	540,050	622,558	511,990	455,022	406,567	438,889	
Increase } per cent. as compared with 1869... {		18.43	32.59	23.73	7.18	23.55	1.61		9.69	19.03	12.89
Decrease } per cent. as compared with 1869... {											
Total on New York Central and Erie Railways.	1,087,809	1,766,457	2,205,589	1,870,614	2,036,992	2,791,517	2,343,241	2,875,803	2,493,683	3,695,764	
Increase } per cent. as compared with 1869... {		62.36	102.75	71.96	87.25	156.62	115.04	165.40	129.23	239.74	
Decrease } per cent. as compared with 1869... {											
Quantity cleared at Buffalo and Tonawanda by Erie Canal.....	786,436	802,592	1,315,693	1,317,276	1,432,174	1,157,509	1,017,559	783,331	1,223,100	1,644,301	
Increase } per cent. as compared with 1869... {		2.05	67.29	67.50	82.01	47.18	29.38		55.52	109.08	
Decrease } per cent. as compared with 1869... {								0.39			
Quantity cleared at Oswego by Canal.....	267,815	238,181	297,424	169,818	131,765	243,325	126,763	99,975	126,899	93,149	
Increase } per cent. as compared with 1869... {		11.05									
Decrease } per cent. as compared with 1869... {		11.06		36.59	50.08	9.14	52.71	62.67	52.61	65.21	
Quantity cleared through the Welland Canal in transit between ports in the United States..	337,530	337,384	384,585	316,619	236,743	290,114	291,473	181,885	169,836	161,117	
Increase } per cent. as compared with 1869... {		0.04		6.19	29.86	14.04	13.65	46.11	49.68	52.26	
Decrease } per cent. as compared with 1869... {											

I 1.—COMPARATIVE STATEMENT for Years

	January.	February.	March.	April.	May.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Welland Canal, 1877.....			636 30	7,323 43	32,960 37
do 1878.....			0 36	403 20	26,172 07
Increase.....					
Decrease.....			635 94	6,920 23	6,788 30
St. Lawrence Canals, 1877.....					8,377 26
do 1878.....				603 18	13,271 64
Increase.....				603 18	4,894 48
Decrease.....					
Chambly Canal, 1877.....				33 55	3,041 35
do 1878.....				29 00	1,685 04
Increase.....				4 55	1,356 31
Decrease.....					
Rideau Canal, 1877.....				2 75	947 20
do 1878.....	12 00				837 08
Increase.....	12 00				
Decrease.....				2 75	110 12
Ottawa Canals, 1877.....				19 97	5,412 21
do 1878.....				31 16	5,931 13
Increase.....				11 19	518 92
Decrease.....					
Burlington Bay Canal, 1877.....				82 97	525 62
do 1878.....			3 72	39 29	529 94
Increase.....			3 72		4 32
Decrease.....				43 68	
St. Peter's Canal, 1877.....					
do 1878.....					
Increase.....					
Decrease.....					
Newcastle District Canals, 1877.....				3 50	49 32
do 1878.....			1 09	12 78	25 30
Increase.....			1 09	9 28	
Decrease.....					24 02
Total Increase.....	12 00				
Total Decrease.....			631 13	6,347 56	2,861 13

REVENUE.

ended 31st December, 1877 and 1878.

June.	July.	August.	September.	October.	November.	December.	Total.
\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
31,905 35	31,717 19	32,484 14	38,105 12	31,618 94	26,858 18	1,010 68	234,619 70
29,149 09	31,916 17	35,920 85	28,828 58	26,321 36	17,125 86	823 13	196,660 67
2,756 26	198 98	3,436 71	9,276 54	5,297 58	9,732 32	187 55	37,959 03
10,888 77	8,591 03	8,677 44	11,283 28	15,350 64	8,752 08	87 44	72,007 94
11,132 65	11,115 61	8,766 73	10,250 70	11,360 63	6,314 40	183 54	73,999 08
243 88	2,524 58	1,089 29	.....	1,032 58	3,990 01	2,437 68	96 10
2,723 88	3,313 91	2,441 38	2,339 18	3,317 06	1,790 66	.....	19,000 97
2,166 19	2,367 12	2,246 62	1,965 42	2,967 21	2,042 84	16 89	15,486 13
557 69	946 79	194 76	373 76	349 85	252 18	16 69	.....
843 74	773 00	962 45	646 15	597 26	350 64	12 68	5,135 87
918 18	844 70	716 58	505 08	613 25	385 50	19 30	4,851 67
74 44	71 70	245 87	141 07	15 99	34 86	6 62	.....
8,523 93	6,666 65	7,407 65	5,590 04	5,345 17	2,766 13	0 42	41,732 17
5,752 34	6,563 97	6,359 09	5,599 77	5,314 22	3,102 70	4 19	38,658 57
2,771 59	102 68	1,048 56	.....	30 95	336 57	3 77	.....
624 41	639 32	614 81	559 56	463 13	310 54	11 81	3,832 17
654 73	692 95	746 68	501 01	467 00	295 27	5 69	3,936 28
30 32	53 63	131 87	.....	3 87	15 27	6 12	104 11
77 55	28 58	55 60	63 33	13 81	22 35	.....	314 04
51 89	24 85	7 75	4 80	20 31	3 57	.....	152 34
25 66	3 73	47 85	58 53	6 50	18 78	.....	161 70
5,762 56	1,795 69	3,120 83	10,931 30	9,642 03	11,580 44	70 49	42,898 12

Total for Year 1877..... \$376,642 86
do 1878..... 333,744 74

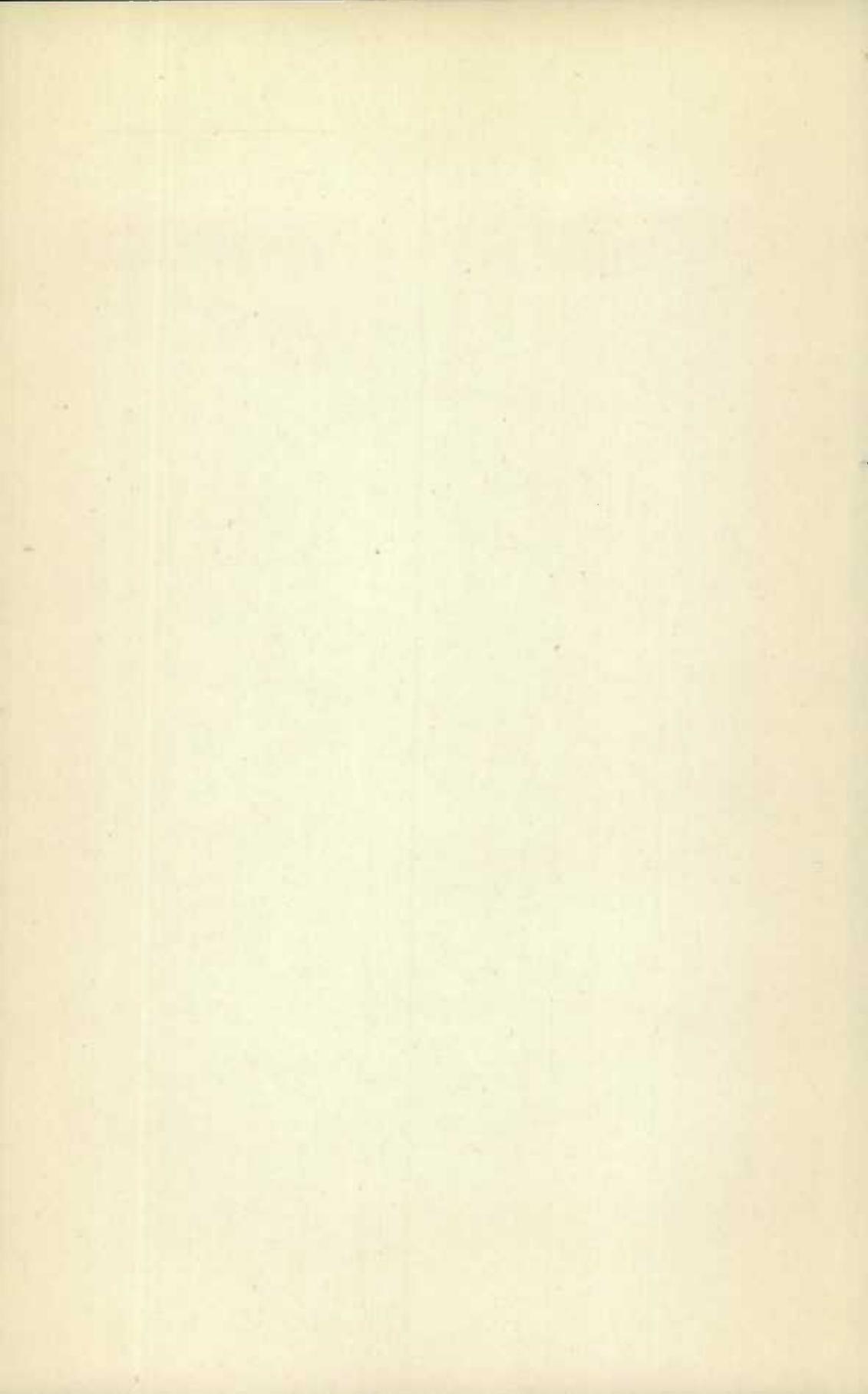
I, 2.—COMPARATIVE STATEMENT showing the Quantities of Vegetable Food and Lumber passed through the Canals, during the Years ended the 31st December, 1877 and 1878.

	VEGETABLE FOOD.							Lumber.	Total.	
	Flour.	Wheat.	Corn.	Barley.	Oats.	Rye.	All other.			
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.			
Welland Canal.....	{ 1877	13,558	253,953	169,196	19,870	2,810	2,439	2,355	65,202	529,383
	{ 1878	9,121	191,928	185,931	10,979	3,088	.....	2,302	44,829	448,178
Increase, 1878.....				16,735		278				
Decrease, 1878.....		4,437	62,025		8,891		2,439	53	20,373	81,205
St. Lawrence Canals.....	{ 1877	18,221	208,007	136,506	25,865	6,276	631	33,539	74,098	503,143
	{ 1878	15,877	179,970	171,879	8,832	11,718	1,046	51,897	40,498	481,717
Increase, 1878.....				35,373		5,442	415	18,358		
Decrease, 1878.....		2,344	28,037		17,033				33,600	21,426
Chambly Canal.....	{ 1877	387	.....		1,944	1,975		4,202	37,415	45,923
	{ 1878	110	.....		4,290	2,759		5,592	49,590	62,341
Increase, 1878.....					2,346	784		1,390	12,175	16,418
Decrease, 1878.....		277	.....						
Rideau Canal.....	{ 1877	262	210	432	4	109	269	333	13,828	15,447
	{ 1878	157	179	87	97	13	914	444	14,103	15,994
Increase, 1878.....					93		645	111	275	547
Decrease, 1878.....		105	31	345		96				
Ottawa Canals.....	{ 1877	92	102	.....	741	898	35	6,258	347,202	355,328
	{ 1878	25	39	1	885	1,948	.....	7,128	292,858	302,884
Increase, 1878.....				1	144	1,050		870		
Decrease, 1878.....		67	63				35		54,344	52,444

Burlington Bay Canal	{	1877	1,278	2,128	.....	2,146	.....	1,348	1,744	1,463	10,107
		1878	2,127	6,471	.....	628	.....	1,637	641	11,594	
Increase, 1878.....			849	4,343							1,397
Decrease, 1878.....						1,518		1,348	107	822	
*St. Peter's Canal.....	{	1877									
		1878									
Increase, 1878.....											
Decrease, 1878.....											
Newcastle District Canals.....	{	1877									
		1878									
Increase, 1878.....											
Decrease, 1878.....											
Total Increase					51,764		7,458		20,569		
Total Decrease			6,381	85,813		24,859		2,762		100,900	
Total for 1877.....											1,465,052
Total for 1878											1,324,128



SEP 29 1949



CANAL STATISTICS

FOR

SEASON OF NAVIGATION,

1878.

SUPPLEMENTARY APPENDIX A

No. (A.) 21.—GENERAL STATEMENT showing the Quantity of each Article transported through the Welland Canal, and the Amount of Revenue collected during the Season of Navigation in 1878.

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.....	54				26		8	26	62	88	18 40	
Apples.....	754				141	8		141	763	903	108 51	
Agricultural Products not enu- merated, Vegetable.....	328	10	650	45	5			55	983	1,038	68 60	
Agricultural Products not enu- merated, Animal.....	40	10				2		40	12	52	1 65	
Agricultural Implements.....	6	3			32	4		38	7	45	15 90	
Barley.....			9,023		739	120		1,097	9,762	1,217	10,979	2,174 80
Bricks.....	158				70			49	228	40	277	42 25
Bones.....					296					296	296	59 20
Baggage.....					16	1		16	1	17	6 80	
Beer.....			14		7	57		21	57	78	31 20	
Brimstone.....					9			9		9	3 60	
Cement and Water Lime.....	2		17		506		4	529			529	104 95
Clay, Lime and Sand.....	50	735	54		44			54	148	789	937	114 40
Coal.....	118				145,639	4,914	7,859	136,758	153,616	141,702	295,318	57,855 98
Corn.....					60,026			125,905		185,931	185,931	37,185 45
Cattle.....					3				3		3	0 00
Cotton, Raw.....												
Coffee.....					40	3			40	3	43	17 20
Crockery.....	8				21				29		29	10 00
Dye Wood and Dye Stuffs.....					834				834		834	333 60
Earthenware.....	3		5		48	1			56	1	57	22 10
Fish.....	368		381		849	1			1,598	1	1,599	246 22
Flax and Hemp.....			21		1,710				1,731		1,731	346 20
Flour.....	267	7,210				1,316		328	267	8,854	9,121	518 25
Furniture.....	1		1		74	90		5	76	95	171	68 35
Gypsum.....		389		399	1	2			1	770	771	39 00
Glass, Window.....	20		3		8				31		31	12 40
Glassware.....	6		7		38	85		1	51	86	137	54 80

Hay, Pressed															
Hogs															
Horses					7	49	5			49	12	61	12	20	
Hides and Skins, Horns and Hoofs			24			87	40			87	64	151	26	01	
Ice	610			4,200		2,725				7,535		7,535	376	75	
Iron, Railway	10										10			0	25
do Pig	295	93				3,815	280		195	4,119	568	4,673	912	38	
do All other	105	1	19			6,336	262		97	6,489	360	6,840	1,356	95	
Iron Ore				1,694		13,535				15,229		15,229	761	45	
Kryolite or Chemical Ore, except Iron															
Lard and Lard Oil							12				12	12	2	40	
Meals, all kinds		28					192				229	220	43	10	
Meats, other than Pork							30				30	30	6	60	
Marble			1			1,878				1,879		1,879	751	55	
Manilla	4			3		677				684		684	272	70	
Molasses						1,194				1,194		1,194	477	60	
Nails	27		12			1	89			40	59	99	39	25	
Oats			23				277		2,788		3,088	3,088	615	30	
Oil, in barrels	34			2		1,034	1,951		304	1,076	2,255	3,325	1,330	00	
Oil Cake					8					8		8	1	60	
Pease		1,017									1,017	1,017	263	40	
Potatoes	151	11							151		11	162		4	22
Pork						244		24			268	268	53	60	
Paint	2		21			623	9			646	9	655	262	00	
Pitch and Tar						106				106		106	42	40	
Rags	52		35			505	6	193		845	6	851	295	40	
Rye															
Rosin	1				8					9		9	3	60	
Salt	10		78			3,891	1			3,979	1	3,980	796	00	
Stone, intended for Cutting	4					118	35		5,771	122	5,806	5,928	1,185	60	
do wrought						63	38		421	63	459	522	203	00	
do not suitable for Cutting, un- wrought	463	3,963	3,414			450				4,367	3,968	8,335	445	04	
Seeds, all kinds					37	220		50	37		270	307	61	40	
Sheep															
Soda Ash	130		49			1,411				1,500		1,500	610	00	
Steel						56				56		56	22	40	
Sugar	9		2			3,061				3,072		3,072	1,227	80	
Spirits	33	46	18			110	118	2	65	163	219	382	144	70	
Tobacco, Raw						1		2			3	3	0	60	
Tallow						110				110		110	22	00	
Tin			5			1,921				1,926		1,926	770	40	
Turpentine															
Vinegar	1		1			5				7		7	2	80	
Wheat	3,531	23,030	285	471		65,542		99,043	3,876	188,106	191,982		37,231	79	
White Lead	1					7	2			8	2	10		3	65
Whiting	1					34				35		35	14	00	

SUPPLEMENTARY APPENDIX A.—Continued.

NO. 21.—GENERAL STATEMENT showing the Quantity of each Article transported, &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.		
Wool.....	1						72		1	72	73	\$ 14 60
All other Goods and Merchandise, not enumerated.....	780	104	256		11,102	463	2	42	12,140	608	12,748	4,834 05
Bark.....												
Barrels, Empty.....	217		90		128	25		23	435	48	483	90 82
Boat Knees.....					34				34		34	6 84
Floats.....												
Firewood, in Vessels.....	3,413	42,624	2,130	609					5,543	43,224	48,767	2,155 89
do in Rafts.....												
Hoops.....												
Hop Poles.....												
Lumber, Sawn, in Vessels.....	7,271	4,948	62		26,452		6,096	7,333	37,496	44,829	6,632 97	
do in Rafts.....		13							13	13		2 40
Masts, Spars, and Telegraph Poles, in Vessels.....												
Masts, Spars, and Telegraph Poles, in Rafts.....												
Railway Ties, in Vessels.....	9	44							9	44	53	6 62
do in Rafts.....												
Saw Logs.....		1,848		78			269	473	269	2,399	2,668	120 27
Staves and Headings, Barrel.....		50								50	50	7 00
do Pipe.....	335		288	120	360		1,150	120	2,133		2,253	421 72
do West India.....	124		310		48		1,210		1,692		1,692	303 32
Staves, Salt barrel.....												
Shingles.....	35	16			23		11	35	50	85	85	27 68
Split Posts and Fence Rails, in Vessels.....								1		1	1	0 25
Split Posts and Fence Rails, in Rafts.....												
Timber, Square, in Vessels.....	4,910		689		3,480		51,442		60,521	60,521	9,061 28	
do in Rafts.....		98			40		3,602		3,740	3,740	825 68	

Traverses.....				250						250	250	0 69
Woodenware and Wood partly manufactured	10	112		213	59		18	223	189	412	123 05	
Total Freight paying Tolls... Iron, Iron Ore, &c., having paid full Toll on the St. Lawrence, Chamby and Rideau Canals, Free	18,357	92,950	21,913	3,742	206,432	167,306	8,329	437,023	255,031	701,021	956,052	174,706 83
Timber passed Free from Welland to Port Robinson	5,395		7,611						12,706		12,706	
Grand Total, Freight.....	23,752	92,950	29,224	3,742	206,432	167,306	8,329	437,023	267,737	701,021	963,758	
Total Tolls on Vessels												20,917 34
do Passengers.....												414 09
do Free Goods.....												\$2,531 20
Fines, Damages and other Receipts.....												622 41
Total Revenue, exclusive of Hydraulic Rents.....												186,869 67

A. BRUNEL,
Commissioner.

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A) 22.—GENERAL STATEMENT showing the Quantity of each Article transported through the St. Lawrence Canals, and the Amount of Revenue collected during the Season of Navigation in 1878.

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.....		737	150	295	7	.....	24	157	1,056	1,213	205 75		
Apples.....	151	8,391	2	.....	23	28	25	2,350	201	10,769	10,970	1,615 77	
Agricultural Products not enumerated, Vegetable.....	703	2,251	6	49	.....	.....	.....	709	2,303	3,012	268 72		
Agricultural Products not enumerated, Animal.....	237	1,862	2	.....	.....	.....	5	239	1,867	2,106	270 57		
Agricultural Implements.....	229	103	.....	503	.....	.....	.....	229	103	332	32 65		
Barley.....	1,924	5,360	.....	.....	.....	.....	.....	1,924	5,863	7,787	580 14		
Bricks.....	2,999	105	20	.....	.....	.....	59	615	3,078	720	3,798	255 30	
Bones.....	30	10	.....	18	.....	129	.....	.....	30	157	187	23 33	
Baggage.....	363	600	.....	.....	.....	.....	.....	.....	363	600	963	162 93	
Beer.....	226	138	17	.....	.....	.....	.....	.....	243	138	381	56 72	
Brimstone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cement and Water Lime.....	593	.....	10	.....	.....	.....	.....	1,552	603	1,552	2,155	267 32	
Clay, Lime and Sand.....	1,858	854	33	.....	.....	.....	1,366	546	3,257	1,400	4,657	228 34	
Coal.....	7	16,585	.....	.....	4	16	31,907	22	48,496	48,518	6,831 06		
Corn.....	160	50,928	.....	.....	9	.....	.....	160	59,937	51,097	51,097	7,117 66	
Cattle.....	100	919	.....	.....	.....	.....	.....	100	919	1,019	1,019	67 17	
Cotton, Raw.....	40	7	.....	.....	.....	.....	.....	40	7	47	47	2 55	
Coffee.....	10	.....	.....	.....	.....	.....	.....	10	.....	10	10	2 00	
Crockery.....	636	6	.....	.....	.....	.....	.....	636	6	642	642	118 73	
Dye Woods and Dye Stuffs.....	7	1	.....	.....	101	.....	108	1	109	109	109	6 64	
Earthenware.....	523	.....	7	.....	3	.....	533	.....	533	533	533	101 61	
Fish.....	824	169	52	.....	.....	.....	.....	876	169	1,045	1,045	125 82	
Flax and Hemp.....	50	2	.....	.....	.....	.....	.....	60	2	52	52	2 02	
Flour.....	1,238	9,336	.....	.....	.....	.....	85	1,238	9,421	10,659	1,473 66		
Furniture.....	295	75	3	.....	.....	.....	.....	298	75	373	373	34 59	
Gypsum.....	1,583	193	1	.....	.....	.....	.....	1,544	193	1,777	1,777	70 39	
Glass, Window.....	1,068	16	7	.....	.....	.....	21	1,073	16	1,089	1,089	212 00	
Glassware.....	186	476	8	.....	.....	.....	.....	215	476	691	691	132 66	

Hay, Pressed	1,357	69						1,237	69	1,426	79 97
Hogs	2	91						2	91	93	7 59
Horses	192	478	2		1		5	200	478	678	54 34
Hides and Skins, Horns and Hoofs ice	30	229						30	229	259	29 98
Iron, Railway	7,708	1,790	385					8,093	1,790	9,083	1,480 34
" Pig	12,759	27	1,427					14,186	27	14,213	1,943 82
" All other	4,377	5,830	209				66	106	4,652	5,936	10,588 1,413 54
Iron Ore											
Kryelite or Chemical Ore, and other Ore, except Iron	1	4,191						1	4,191	4,192	209 60
Lard and Lard Oil	52	26	2					54	26	80	9 29
Meals, all kinds	145	501						145	501	616	44 35
Meats, other than Pork	26	91						26	91	117	16 67
Marble	59	1					20	79	1	80	13 97
Manilla	39	23	4				7	50	23	73	13 85
Molasses	761	11	15				2,943	3,719	11	3,730	271 08
Nails	2,896	62	528					3,424	62	3,486	869 79
Oats	1,811	7,545				4		1,811	7,549	9,360	618 96
Oil, in Barrels	992	283	21				315	2	1,328	285	1,613 194 39
Oil Cake		4								4	0 60
Pease	1,743	26,593						1,743	36,593	39,336	3,180 17
Potatoes	449	573	3		29			481	573	1,054	82 41
Pork	558	184				2		2	558	188	63 82
Paint	268	13	23				52	343	13	356	64 02
Pitch and Tar	150	96					1,183	12	1,333	108	1,441 95 99
Rags	873	129	127				32	1,032	129	1,161	177 79
Rye		1,046							1,046	1,046	156 99
Rosin	62	70					1,225		1,287	70	1,357 77 15
Salt	9,275	6	3,668	128		5			12,943	139	13,082 1,682 93
Stone, intended for Cutting	110	624					290	227	400	851	1,251 85 23
" Wrought	75	55	4				53	123	132	178	310 45 45
" not suitable for Cutting, unwrought	218	1,374						218	1,374	1,592	39 00
Seeds, all kinds	41	96						41	96	137	14 66
Sheep	26	404						26	404	430	30 18
Soda Ash	696	43	219					915	43	958	190 58
Steel	62	2						64	2	64	12 54
Sugar	1,734	13	15			6		1,755	13	1,768	302 70
Spirits	767	91	101					868	91	959	173 63
Tobacco, Raw	5	2					4	9	2	11	0 71
Tallow		50							50	50	7 50
Tin	462	21	3					465	21	486	93 09
Turpentine	2						471		473	473	23 95
Vinegar	37	249					1	38	249	287	56 55
Wheat	674	67,744				18		674	67,762	68,436	8,991 13
White Lead	41	16						41	16	57	10 59
Whiting	88	20						88	20	108	18 37

SUPPLEMENTARY APPENDIX A.—Continued.

NO. 22.—GENERAL STATEMENT showing the Quantity of each Article transported, &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. \$ cts.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Wool.....	127	1	.....	.....	.....	.....	.....	.....	127	1	128	6 89
All other Goods and Merchandise not enumerated.....	8,730	1,095	328	.....	496	716	252	27	9,806	2,738	12,544	1,815 21
Bark.....	12	41	.....	.....	.....	.....	.....	.....	12	41	53	4 94
Barrels, Empty.....	366	436	208	.....	.....	.....	.....	.....	574	436	1,010	138 02
Boat Knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Floats.....	.....	3,884	.....	.....	.....	.....	.....	.....	3,884	3,884	67 97	80
Firewood, in Vessels.....	9,630	37,422	531	39	36	81	.....	.....	10,197	37,533	47,730	1,157 21
“ Rafts.....	.....	192	.....	.....	.....	.....	.....	.....	.....	192	192	4 00
Hoops.....	.....	57	.....	.....	.....	2	.....	.....	2	57	59	4 15
Hop Poles.....	5	.....	284	.....	.....	.....	.....	.....	289	.....	289	9 25
Lumber, Sawn, in Vessels.....	15,257	13,570	69	1,911	4	.....	.....	937	15,320	16,418	31,733	1,574 90
do in Rafts.....	.....	8,770	.....	.....	.....	.....	.....	.....	8,770	8,770	8,770	391 60
Masts, Spars and Telegraph Poles, in vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Masts, Spars and Telegraph Poles, in rafts.....	.....	7,852	.....	.....	.....	.....	.....	.....	7,852	7,852	7,852	196 30
Railway Ties, in Vessels.....	269	169	758	.....	.....	.....	.....	.....	1,025	169	1,194	39 91
do in Rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saw Logs.....	289	8,444	.....	.....	.....	.....	.....	.....	289	8,444	8,733	203 05
Staves and Headings, Barrel do Pipe.....	.....	7	210	.....	.....	.....	.....	.....	7	240	247	18 20
do West Indies.....	48	814	.....	.....	.....	.....	.....	.....	48	814	862	93 69
Staves, Salt Barrel.....	.....	.....	.....	.....	.....	.....	.....	.....	147	18	165	28 38
Shingles.....	134	18	13	.....	.....	.....	.....	.....	.....	.....	.....	.....
Split Posts and Fence Rails, in Vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Split Posts and Fence Rails, in Rafts.....	.....	2	.....	.....	.....	.....	.....	.....	.....	2	2	0 20
Timber, square, in Vessels.....	900	1,593	.....	.....	.....	.....	.....	.....	900	1,593	2,493	125 14
do in Rafts.....	.....	12,516	.....	.....	.....	.....	.....	.....	12,516	12,516	12,516	395 06

Traverses.....		7,828								7,828	7,828	20 37
Woodenware and Wood partly manufactured	191	113							3	191	116	307
Total Freight paying Tolls	103,616	335,850	9,253	2,934	598	996	8,515	38,523	121,992	378,303	500,295	49,544 46
Barley having paid full Toll on the Welland Canal, Free.....		1,045								1,045	1,045	
Corn do do		117,720								3,062	120,782	120,782
Flour do do		5,040		178							5,218	5,218
Oats do do		2,358									2,358	2,358
Pens do do		891									891	891
Petroleum do										237	237	237
Wheat do do		108,435								3,099	111,534	111,534
Coal, Free, as per Order in Council	21,771		35					38,387		60,193		60,193
Iron, Pig, Free, as per Order in Council.....												
Iron, all other, Free, as per Order in Council.....												
Iron Ore, having paid full Toll on the Chamby Canal, Free.....												
Kryolite, Free.....		2,207									2,207	2,207
Grand Total Freight.....	125,397	573,546	9,283	3,113	598	996	46,902	44,921	182,183	622,575	804,760	

Total Tolls on Vessels.....												14,609 05
do Passengers.....												3,127 01
do Free Goods												\$30,363 42
Fines and Damages.....												722 25
Wharfage and Storage												5,646 75
Winterage, Basin Dues and other Receipts.....												949 56
Total Revenue, exclusive of Hydraulic Rents.....												73,999 08

A. BRUNEL,
Commissioner.

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

SUPPLEMENTARY APPENDIX A.—Continued.

NO. (A) 23.—GENERAL STATEMENT showing the Quantity of each Article transported through the Burlington Bay Canal, and the amount of Revenue collected, during the Season of Navigation in 1878.

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	28	343	.....	480	.....	.....	.....	.....	28	823	851	.....
Apples .....	.....	1,356	.....	.....	.....	.....	.....	.....	.....	1,356	1,356	.....
Agricultural Products not en- umerated, Vegetable.....	99	13	.....	480	.....	.....	.....	.....	99	493	592	.....
Agricultural Products not en- umerated, Animal.....	106	19	.....	.....	.....	.....	.....	.....	106	19	125	.....
Agricultural Implements.....	2	46	.....	.....	.....	.....	.....	.....	2	46	48	.....
Barley .....	.....	73	.....	555	.....	.....	.....	.....	.....	628	628	.....
Bricks.....	218	.....	.....	9	.....	.....	.....	.....	218	9	227	.....
Bones .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baggage	57	53	.....	.....	.....	.....	.....	.....	57	53	110	.....
Beer.....	42	.....	.....	.....	.....	.....	.....	.....	42	.....	42	.....
Brimstone,.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cement and Water Lime.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clay, Lime and Sand	28	15	.....	.....	.....	.....	692	.....	720	15	735	.....
Coal	250	.....	.....	.....	.....	40,390	.....	40,610	.....	.....	40,640	.....
Corn .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cattle .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cotton, Raw .....	.....	5	.....	.....	.....	.....	.....	.....	.....	5	5	.....
Coffee .....	.....	.....	.....	.....	.....	.....	4	.....	4	.....	4	.....
Crockery	10	3	.....	.....	.....	.....	.....	.....	10	3	13	.....
Dye Wood and Dye Stuffs	30	.....	.....	.....	.....	.....	.....	.....	30	.....	30	.....
Earthenware	173	.....	.....	.....	.....	.....	.....	.....	173	.....	173	.....
Fish	163	5	.....	.....	.....	.....	.....	.....	165	5	170	.....
Firx and Hemp .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flour	24	2,103	.....	.....	.....	.....	.....	.....	24	2,103	2,127	.....
Furniture.....	8	4	.....	.....	.....	.....	.....	.....	8	4	12	.....
Gypsum .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Glass, Window	417	23	.....	.....	.....	10	.....	.....	417	23	440	.....
Glassware	410	548	.....	.....	.....	.....	.....	.....	420	548	568	.....

Hay, Pressed											
Hogs.....	25	18						25	18	13	
Horses.....	3	25						3	25	28	
Hides and Skins, Horns and Hoofs.....		810							810	810	
Ice.....											
Iron, Railway.....	3,785	3,401						3,785	3,401	7,186	
do Pig.....	6,494	400						6,574	400	6,974	
do All other.....	962	2,412						962	2,442	3,404	
Iron Ore											
Kryolite or Chemical Ore, and other Ore, except Iron											
Lard and Lard Oil	28	3						28	3	31	
Meals, all kinds.....		96							96	96	
Ments, other than Pork.....	2	17						2	17	19	
Marble.....		5							5	10	
Manilla.....											
Molasses.....	204	95						457	95	562	
Nails.....	1,160	23						1,160	23	1,483	
Oats.....											
Oil, in Barrels.....	114	43						8	122	43	165
Oil Cake											
Pease.....	1	123							1	123	124
Potatoes.....	42	19							42	19	61
Pork.....	4	98							4	98	102
Paint.....	110	4						2	112	4	116
Pitch and Tar									78	81	81
Rags.....	23	69							23	69	92
Rye.....											
Rosin.....	60							302	362		362
Salt.....	565								565		565
Stone, intended for Cutting.....	1							1,381	1,382		1,382
do wrought.....											
do not suitable for Cutting, Uewrought.....											
Seeds, all kinds.....		5							5		5
Sheep.....											
Soda Ash.....	254							4	258		258
Steel.....	3								3		3
Sugar.....	359	6						387	776	6	782
Spirits.....	97	15							97	15	112
Tobacco, Raw									20	2	22
Tallow.....											
Tin.....	92								92		92
Turpentine.....	4							7	11		11
Vinegar.....	28	280							28	280	318
Wheat.....	37	6,441							39	6,441	6,471
White Lead.....	33								33		33
Whiting.....	19							22			22

SUPPLEMENTARY APPENDIX A.—*Continued.*

NO. (A.) 23.—GENERAL STATEMENT showing the Quantity of each Article transported through the Burlington Bay 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.		
Wool.....	6	11							6	11	17	
All other Goods and Merchandise, not enumerated.....	3,400	857					235		3,635	857	4,492	
Bark.....									72	1	73	
Barrels, Empty.....	72	1							72	1	73	
Boat knees.....												
Floats.....												
Firewood, in Vessels.....	315								315		315	
do Rafts.....												
Hoops.....												
Hop poles												
Lumber, Sawn, in Vessels.....	499	142							499	142	641	
do Rafts.....												
Masts, Spars and Telegraph Poles, in Vessels.....												
Masts, Spars and Telegraph Poles, in Rafts												
Railway Ties, in Vessels.....												
do Rafts												
Saw Logs, in Rafts												
Staves and Heading, Barrel.....	18								18		18	
do Pipe	48								48		48	
do West India	55								55		55	
Shingles, West India.....												
Split Posts and Fence Rails, in Vessels.....												
Split Posts and Fence Rails, in Rafts.....												
Timber, Square, in Vessels.....	340								310		240	
do Rafts	1,540								1,540		1,510	

Traverses, in Rafts.....											
Woodenware and Wood, partly manufactured		12								12	12
Total Freight Free, per Order in Council.....	21,264	22,068		1,524		43,846		63,110	23,592	88,702	
Total Tolls on Vessels.....											
											3,936 28

A. BRUNEL,
Commissioner.

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

SUPPLEMENTARY APPENDIX A.—*Continued.*

No. (A) 24.—GENERAL STATEMENT showing the Quantity of each Article transported through the Ottawa Canals, and the Amount of Revenue collected, during the Season of Navigation in 1878.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A) 24—GENERAL STATEMENT showing the Quantity of each Article transported, &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 Tolls.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Wool.....		1								1	1	0 10
All other Goods and Merchandise not enumerated.....	224	236							224	235	459	37 00
Bark.....		38								38	38	6 28
Barrels, Empty.....	2	93							2	93	95	12 26
Boat Knees.....												
Fleats.....	20	3,264							20	3,264	3,284	30 84
Firewood, in Vessels.....		133,209		345						133,554	133,554	4,580 38
do Rafts.....		576								576	576	7 39
Hoops.....		35								35	35	3 60
Hop Poles.....												
Lumber, sawn, in Vessels.....	5	96,444		180,312					5	276,766	276,771	27,567 22
do Rafts.....		16,087								16,087	16,087	482 45
Masts, Spars and Telegraph Poles, in Vessels.....												
Masts, Spars and Telegraph Poles, in Rafts.....												
Railway Ties, in Vessels.....												
do Rafts.....												
Saw Logs.....		44								44	44	1 00
Staves and Headings, Barrel.....		2								2	2	0 38
do Pipe.....												
do West India.....												
Staves, Salt Barrel.....												
Shingles.....		335								335	335	81 81
Split Posts and Fence Rails, in Vessels.....												
Split Posts and Fence Rails, in Rafts.....		45								45	45	3 38
Timber, Square, in Vessels.....	40	2,605							40	2,605	2,645	42 54

Traverses	705						705	705	2 08
Woodenware and Wood partly manufactured	4	53					4	53	57
Total Freight paying Tolls ...	1,301	272,310	190,727		94		1,395	453,037	454,432
Coal, Free, per Order in Council ..	361						361		361
Grand Total Freight	1,662	272,310	180,727		94		1,756	453,037	454,793

Total Tolls on Vessels.....		4,234 57
do Passengers		368 00
do Free Coal		\$17.06
Total Revenue exclusive of Hydraulic Rents.		38,658 57

INLAND REVENUE OFFICE.

OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A) 25.—GENERAL STATEMENT showing the Quantity of each Article transported through the Chambly Canal, and the Amount of Revenue collected during the Season of Navigation in 1878.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Total.		Total Tons.	Amount of Tolls. \$ cts
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Ashes, Pot and Pearl			979						979		979	97 90
Apples	10	78							10	1,542	1,552	151 90
Agricultural Products not enumerated, Vegetable.....	1,446	705							47	1,446	752	2,198
Agricultural Products not enumerated, Animal	12	151								12	151	163
Agricultural Implements.....		5									5	0 37
Barley.....		751	3,539						3,539	751	4,290	340 93
Bricks	183								103	183	103	286
Bones			663						3	663	3	666
Baggage.....												
Beer												
Brimstone												
Cement and Water Lime												
Clay, Lime and Sand	561								1,292	561	1,292	1,853
Coal		132							68,268		68,400	68,400
Corn.....												
Cattle		95									95	95
Cotton, Raw.....												
Coffee.....									9		9	0 90
Crockery.....												
Dye Wood and Dye Stuffs									70		70	7 00
Earthenware												
Fish		1								1	1	0 10
Flax and Hemp.....									118		118	11 80
Flour	104	6								104	6	110
Furniture									4		4	0 60
Gypsum												
Glass, Window.....									21		21	2 10
Glassware.....												

Hay, Pressed.....	257	168	474				731	168	899	64 98
Hogs.....										
Horses.....		106						106	106	3 54
Hides and Skins, Horns and Hoofs.....			113				113		113	11 30
Ice.....										
Iron, Railway.....		213					31	213	31	9 18
do Pig.....										
do all other.....							798		798	79 80
Iron Ore.....										
Kryolite or Chemical Ore, and other Ore, except Iron.....										
Lard and Lard Oil.....										
Meals, all kinds.....	8	1,202					8	1,202	1,210	79 56
Meats, other than Pork.....										
Marble.....							85		85	22 92
Manilla.....										
Molasses.....							3,112		3,112	311 20
Nails.....										
Oats.....	43	2,716					43	2,716	2,759	142 61
Oil, in Barrels.....							314		314	31 40
Oil Cake.....										
Pease.....		2,133						2,133	2,133	74 56
Potatoes.....	65	6	626				691	6	697	69 70
Pork.....										
Paint.....							55		55	5 50
Pitch and Tar.....							1,290		1,290	129 00
Rags.....			10				81	10	81	9 10
Rye.....										
Rosin.....							1,408		1,408	140 80
Salt.....	729						729		729	58 44
Stone, intended for Cutting.....							339		339	33 90
do wrought.....										
do not suitable for Cutting, unwrought.....										
Seeds, all kinds.....										
Sheep.....	3	219					3	219	222	7 40
Soda Ash.....							45		45	3 00
Steel.....										
Sugar.....							34		34	3 40
Spirits.....										
Tobacco, Raw.....							81		81	8 10
Tallow.....										
Tin.....										
Turpentine.....							489		489	48 90
Vinegar.....							2		2	0 20
Wheat.....										
White Lead.....										
Whiting.....										

SUPPLEMENTARY APPENDIX A.—Continued.

NO. (A) 25.—GENERAL STATEMENT showing the Quantity of each Article transported through the Chambley Canal, &c.—Continued.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.		
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.				
Wool.....												\$ cts.		
All other Goods and Merchandise, not enumerated.....	10	20	499						752	609	772	1,281	126 73	
Bark.....			4	23						23	4	27	5 34	
Barrels, Empty.....														
Boat Knees.....														
Floats.....	110		4,880							4,990		4,990	295 00	
Firewood, in Vessels.....	162	1,200							312	162	1,512	1,674	28 97	
do in Rafts.....														
Hoops.....														
Hop Poles.....														
Lumber, Sawn, in Vessels.....	2,272	225	47,070							23	49,342	248	49,590	2,903 43
do in Rafts.....														
Masts, Spars and Telegraph Poles, in Vessels.....														
Masts, Spars and Telegraph Poles, in Rafts.....														
Railway Ties, in Vessels.....														
do in Rafts.....														
Saw Logs.....	13									13		13	0 50	
Staves and Headings, Barrels.....														
do Pipe.....														
do West Indies.....														
Staves, Salt Barrel.....										15	3	18	7 84	
String.....	8	3	7											
Split Posts and Fence Rails, in Vessels.....	6									6		6	0 40	
Split Posts and Fence Rails, in Rafts.....														
Timber, Square, in Vessels.....														

do	in Rafts.....										
Traverses.....			140					140		140	2 80
Woodenware and Wood, partly manufactured.....											
Total Freight paying Tolls...	6,215	9,926	59,023				80,650	65,238	90,576	155,814	12,489 34
Coal and Flour, free, per Order in Council.....	752		116				606	868	606	1,474	
Grand Total Freight.....	6,967	9,926	59,139				81,256	66,106	91,182	157,288	

Total Tolls on Vessels.....	2,775 59
do Passengers.....	105 85
do Free Coal and Flour.....	\$145 40
Wharfage and Storage.....	21 80
Fines and Damages.....	87 25
Other Receipts.....	6 30
Total Revenue exclusive of Hydraulic Rents.....	15,486 13

19

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A.) 26.—GENERAL STATEMENT showing the Quantities of each Article transported through the Rideau Canal, and the Amount of Revenue collected, during the Season of Navigation in 1878.

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.....		62								62	62	13 96
Apples.....	19	3							19	3	22	0 59
Agricultural Products not enu- merated, Vegetable.....	234								234		234	7 10
Agricultural Products not enu- merated, Animal.....	608	1,138							608	1,138	1,746	114 61
Agricultural Implements.....	8	79							8	79	87	11 60
Barley.....	97								97		97	3 22
Bricks.....	360	44							360	44	404	10 10
Bones.....		112							112		112	20 91
Buggage.....	6	3							6	3	9	0 81
Beer.....		3							3		3	0 27
Brimstone.....												
Cement and Water Line.....	47	20							47	20	67	1 77
Clay, Lime and Sand.....	62	1							62	1	63	1 58
Coal.....	1	1,749							1	1,749	1,750	69 76
Corn.....		87								87	87	2 90
Cattle.....	1								1		1	0 03
Cotton, Raw.....												
Coffee.....												
Crockery.....	8								8		8	1 15
Dye Wood and Dye Stuffs.....												
Earthenware.....	10	1							10	1	11	0 97
Fish.....	21	28							21	28	49	1 32
Flax and Hemp.....												
Flour.....	77	80							77	80	157	4 23
Furniture.....	6	18							6	18	24	2 33
Gypsum.....	29	61							29	51	80	4 79
Glaas, Window.....	16								16		16	1 52
Glassware.....	2	3							2	3	5	0 45

Hay, Pressed										
Hogs										
Horses		4								
Bides and Skins, Horn and Hoofs	3	17								
Ice										
Iron, Railway	45	1								
do Pig	174	10								
do all other	317	243								
Iron Ore										
Kryolite or Chemical Ore, and other Ore, except Iron	2,481	310								
Lard and Lard Oil	14	4								
Meats, all kinds		240								
Meats, other than Pork	15	14								
Marble	9									
Manilla	12									
Molasses	53	2								
Nails	101	3								
Oats	13									
Oil, in Barrels	5	52								
Oil Cake		1								
Pear	107	64								
Potatoes	11									
Pork	64	31								
Paiut.										
Pitch and Tar		170								
Rags	5	22								
Rye	912	2								
Rosin										
Salt	742	217								
Stone, intended for Cutting	360	52								
do wrought										
do not suitable for Cutting, unwrought										
Seeds, all kinds		3								
Sheep	8	1								
Soda Ash										
Steel	4									
Sugar	249	35								
Spirits	39	16								
Tobacco, Raw										
Tallow										
Tin	3									
Turpentine										
Vinegar	8	5								
Wheat	1	178								
White Lead										
Whiting	4									

SUPPLEMENTARY APPENDIX A.—Continued.

NO. (A.) 26.—GENERAL STATEMENT showing the Quantity of each Article transported through the Rideau Canal, &c.—Continued.

Articles.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
Wool.....	21	.....	.....	.....	.....	.....	.....	.....	24	.....	24	\$ 0 67
All other Goods and Merchandise not enumerated.....	433	326	.....	.....	.....	.....	.....	.....	433	326	759	75 42
Bark.....	310	.....	.....	.....	.....	.....	.....	.....	310	.....	310	7 81
Barrels, Empty.....	93	9	.....	.....	.....	.....	.....	.....	93	9	102	4 49
Boat Knees.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Floats.....	8,489	1,120	.....	.....	.....	.....	.....	.....	8,489	1,120	9,609	185 85
Firewood, in Vessels.....	53,703	2,493	357	.....	.....	.....	.....	.....	54,060	2,493	56,553	985 66
do in Rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hoops.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hop Poles.....	106	.....	.....	.....	.....	.....	.....	.....	106	.....	106	15 00
Lumber, Sawn, in Vessels.....	13,930	127	4	.....	.....	.....	.....	.....	13,934	127	14,661	717 47
do in Rafts.....	42	.....	.....	.....	.....	.....	.....	.....	42	.....	42	1 57
Masts, Spars and Telegraph Poles, in Vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Masts, Spars and Telegraph Poles, in Rafts.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Railway Ties, in Vessels.....	3,054	.....	.....	.....	.....	.....	.....	.....	3,054	.....	3,054	218 51
do in Rafts.....	1,332	.....	.....	.....	.....	.....	.....	.....	1,332	.....	1,332	106 55
Saw Logs.....	341	244	.....	.....	.....	.....	.....	.....	341	244	585	16 38
Staves and Headings, Barrel.....	5	20	.....	.....	.....	.....	.....	.....	5	20	25	1 70
do do Pipe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
do do West India.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Staves, Salt Barrel.....	228	5	.....	.....	.....	.....	.....	.....	228	5	233	76 11
Shingles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Split Posts and Fence Rails, in Vessels.....	156	1	.....	.....	.....	.....	.....	.....	156	1	157	24 11
Split Posts and Fence Rails, in Rafts.....	3	.....	.....	.....	.....	.....	.....	.....	3	.....	3	0 57

Timber, Square, in Vessels.....		23						23	23	6 50
do in Rafts	180	1,240						180	1,240	45 76
Traverses.....	5,704	1,570						5,704	1,570	55 39
Woodenware and Wood partly manufactured.....	2	45						2	45	7 10
Total Freight paying Tolls.....	95,506	12,402	361					95,867	12,402	3,171 13
Coal, Free, per Order in Council.....	1,670							1,670		
Grand Total Freight.....	97,176	12,402	361					97,537	12,402	109,939

Total Tolls on Vessels.....		1,421 84
do Passengers.....		101 57
Fines and Damages.....		
Wharfage and Storage.....		92 63
Other Receipts.....		61 50
Free Coal.....		\$46 57
Total Revenue, exclusive of Hydraulic Rents		4,851 67

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—*Continued.*

NO. (A) 27.—GENERAL STATEMENT showing the Quantity of each Article transported through the St. Peter's Canal, and the Amount of Revenue collected, during the Season of Navigation in 1878.

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.		

NOTE.—This canal being closed for enlargement, no business has been done on it during this year.

DEPARTMENT OF INLAND REVENUE,
OTTAWA, 21st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Continued

No. (A) 28.—GENERAL STATEMENT showing the Quantity of each Article transported through the Newcastle District Canals, and the Amount of Revenue collected during the Season of Navigation in 1878.

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.		
Bricks.....	64								64		64	1 60
Clay, Lime and Sand.....	120								120		120	1 20
Bark.....												
Firewood, in Vessels.....	3,600								3,600		3,600	60 72
Floats.....												
Lumber, Sawn, in Vessels.....	1,339	171							1,329	171	1,510	9 24
Railway Ties.....	15								15		15	3 75
Saw Logs.....	3,896								3,896		3,896	26 00
Shingles.....	9	24							9	24	33	2 63
Split Posts, &c.....												
Timber, Square.....	75	155							75	155	230	3 50
Traverses.....												
Iron Ore.....	1,020								1,020		1,020	19 20
Stone, unwrought.....												
Total Freight paying Tolls..	10,128	350							10,138	350	10,488	118 84
Total Tolls on Vessels.....												33 50
Other Receipts.....												
Total Revenue, exclusive of Hydraulic Rents.....												152 34

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY

No. (A) 29.—STATEMENT of Traffic on the undermentioned Canals, and

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 1.</i>						
Canadian Vessels, steam.....	197,753	2,973 19	875,217	4,963 70	85,557	275 19
United States Vessels, steam.....	142,270	2,130 61	26,629	137 50	337	4 21
Canadian Vessels, sail.....	449,333	9,240 63	748,224	8,027 63	85,033	1,440 77
United States Vessels, sail.....	298,141	6,572 91	80,216	880 22	70,883	1,055 42
Total, Class No. 1....	1,087,497	20,917 34	1,730,286	14,009 05	241,810	2,775 59
<i>Class No. 2</i>						
Passengers	6,079	414 69	66,998	3,127 01	6,546	105 83
<i>Class No. 3.</i>						
Bricks	277	42 25	3,798	255 30	280	16 40
Brimstone.....	9	3 60	...	...	...	...
Cement and Water Lime.....	529	104 95	2,155	207 32	...	...
Clay, Lime and Sand	937	114 40	4,657	228 34	1,853	169 37
Coal	235,318	57,855 98	48,518	6,831 06	68,400	6,815 11
Fish	1,599	246 22	1,045	125 82	1	0 10
Gypsum	771	39 00	1,777	70 39	...	...
Iron, Railway.....	19	0 25	9,883	1,480 34	244	9 18
do Pig	4,678	912 38	14,213	1,943 82	...	...
do all other.....	6,840	1,356 95	10,588	1,413 54	793	79 80
Salt.....	3,989	796 00	13,082	1,632 93	729	58 44
Stone, for cutting.....	5,928	1,185 60	1,251	85 23	339	33 90
Apples.....	903	108 51	10,970	1,615 77	1,552	151 90
Barley	10,979	2,174 80	7,787	580 14	4,290	340 93
Corn	185,931	37,185 45	51,097	7,117 66	...	...
Cotton, Raw.....	8	1 60	4	0 60	...	...
Flax and Hemp.....	1,731	346 29	52	2 02	118	11 80
Flour.....	9,121	518 25	10,659	1,473 66	110	3 80
Hay, Pressed	220	43 10	1,426	79 97	899	64 98
Meals, all kinds.....	220	43 10	646	44 35	1,210	79 56
Oil Cake.....	8	1 60	4	0 60	...	...
Oats.....	3,088	615 30	9,260	618 96	2,759	142 64
Pease.....	1,917	203 40	38,336	3,180 17	2,133	74 56
Potatoes	162	4 22	1,054	82 41	697	69 70
Rye	307	61 40	137	14 60	...	...
Seeds, all kinds.....	307	61 40	137	14 60	...	...
Tobacco, Raw.....	3	0 60	11	0 71	81	8 10
Wheat	191,982	37,231 79	68,436	8,981 13	...	...
All other Agricultural Products, Vegetable	1,038	68 60	3,012	268 72	2,198	76 45
Bones	296	59 20	187	23 33	666	66 47
Cattle.....	3	0 60	1,019	67 17	95	3 17
Hogs	151	26 01	259	29 98	113	11 30
Hides and Skins, Horns and Hoofs.....	61	12 20	678	54 34	106	3 54
Lard and Lard Oil.....	12	2 40	80	9 29	...	...
Meats, other than Pork	30	6 00	117	16 67	...	...
Pork	268	53 60	746	63 82	...	...
Sheep.....	110	22 00	430	30 18	222	7 40
Tallow	50	7 50	7 50	7 50	...	...

APPENDIX.—*Continued.*

the Amount of Tolls collected during the Season of Navigation in 1878.

Burlington Bay Canal		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Newcastle District Canals.	
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.	
333,004	3,330 20	216,918	697 09	43,274	400 27	.....	.....	2,297	13 00
55,806	558 21	161,094	2,384 58	138	1 08	.....	.....	4,100	20 50
4,777	47 77	54,463	1,152 90	103,447	966 57	.....	.....	.....	.....
6,445				6,445	53 92	.....	.....	.....	.....
393,587	3,936 28	432,475	4,234 57	153,304	1,421 84	.....	.....	6,397	33 50
No.		No.		No,		No.		No.	
74,607	.....	22,217	368 00	4,266	101 57	.....	.....	.....	.....
Tons.	Tons.	Tons.	Tons	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
227	331	19 39	404	10 10	.....	.....	64	1 60	.....
.....	16	1 49	67	1 77	.....	.....	.....	.....	.....
735	2,606	78 18	63	1 58	.....	.....	120	1 20	.....
40,640	.....	.....	1,750	69 70	.....	.....	.....	.....	.....
170	33	2 54	49	1 32	.....	.....	.....	.....	.....
.....	25	2 32	80	4 79	.....	.....	.....	.....	.....
7,186	11	0 07	46	1 16	.....	.....	.....	.....	.....
6,974	6	0 42	184	7 93	.....	.....	.....	.....	.....
3,404	220	8 05	560	27 47	.....	.....	.....	.....	.....
565	.....	.....	959	29 09	.....	.....	.....	.....	.....
1,382	.....	.....	412	10 31	.....	.....	.....	.....	.....
1,356	16	1 10	22	0 59	.....	.....	.....	.....	.....
628	885	55 35	97	3 22	.....	.....	.....	.....	.....
.....	1	0 07	87	2 90	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....
2,127	25	1 19	157	4 23	.....	.....	.....	.....	.....
.....	201	14 26	.....	.....	.....	.....	.....	.....	.....
96	1,501	138 64	240	6 04	.....	.....	.....	.....	.....
.....	.....	.....	1	0 03	.....	.....	.....	.....	.....
.....	1,948	103 46	13	0 33	.....	.....	.....	.....	.....
124	5,329	345 48	171	9 78	.....	.....	.....	.....	.....
61	282	16 91	11	0 30	.....	.....	.....	.....	.....
.....	.....	.....	914	25 83	.....	.....	.....	.....	.....
5	4	0 33	3	0 09	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....
6,471	39	3 39	179	6 57	.....	.....	.....	.....	.....
592	89	6 67	234	7 10	.....	.....	.....	.....	.....
.....	126	11 52	112	20 91	.....	.....	.....	.....	.....
.....	384	26 29	1	0 03	.....	.....	.....	.....	.....
.....	124	8 61	.....	.....	.....	.....	.....	.....	.....
28	22	2 03	20	0 89	.....	.....	.....	.....	.....
43	369	23 03	4	0 12	.....	.....	.....	.....	.....
31	.....	.....	18	0 61	.....	.....	.....	.....	.....
19	2	0 14	29	0 96	.....	.....	.....	.....	.....
102	5	0 35	95	2 42	.....	.....	.....	.....	.....
.....	344	23 54	9	0 25	.....	.....	.....	.....	.....

SUPPLEMENTARY

No. (A) 29.—STATEMENT of Traffic on the undermentioned

Articles.	Welland Canal.		St. Lawrence Canals.		Chamby Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 3.—Concluded.</i>		\$ cts.		\$ cts.		\$ cts.
Wool	73	14 60	128	6 89	...	...
All other Agricultural Products, Animal.....	52	1 65	2,106	270 57	163	5 41
Total Class No. 3.....	728,422	141,419 06	320,940	39,131 80	90,062	8,304 04
<i>Class No. 4.</i>						
Ashes, Pot and Pearl.....	89	18 40	1,213	205 75	979	97 90
Agricultural Implements.....	45	15 90	332	32 65	5	0 37
Baggage.....	17	6 80	963	162 93	...	...
Beer	78	21 20	381	56 72	...	...
Coffee	43	17 20	10	2 00	9	0 90
Crockery.....	29	10 00	642	118 73	...	...
Dye Woods and Dye Stuffs.....	834	333 60	109	6 64	70	7 00
Earthenware.....	57	22 10	533	101 61	...	...
Furniture.....	171	68 35	373	34 59	4	0 60
Glassware	137	54 80	691	132 66	21	2 10
Glass, Window.....	31	12 40	1,089	212 00	...	...
Marble	1,879	751 55	80	13 97	85	22 92
Manilla.....	684	272 70	73	13 85	...	...
Molasses	1,194	477 60	3,730	271 08	3,112	311 20
Nails.....	99	39 25	3,486	869 79	...	...
Oil, in Barrels.....	3,325	1,330 00	1,613	194 39	314	31 40
Paint.....	655	262 00	356	64 62	55	5 50
Pitch and Tar	106	42 40	1,441	95 99	1,290	129 00
Rags.....	851	295 40	1,161	177 79	91	9 10
Rosin.....	9	3 60	1,357	77 15	1,408	140 80
Soda Ash.....	1,590	610 00	958	190 58	45	3 00
Steel.....	66	22 40	64	12 54	...	...
Sugar	3,072	1,227 80	1,763	302 70	34	3 40
Stone, Wrought.....	522	203 00	310	45 45	...	...
Tin	1,926	770 40	486	93 09	...	...
Turpentine.....			473	23 95	489	48 90
Vinegar	7	2 80	287	56 65	2	0 20
White Lead	10	3 65	57	10 59	...	...
Whiting.....	35	14 00	108	18 37	...	...
Whiskey and all other Spirits	382	114 70	959	173 63	...	...
Merchandise, not enumerated	12,748	4,834 05	12,544	1,815 21	1,281	126 73
Total, Class No. 4.....	30,680	11,898 05	37,647	5,586 97	9,294	941 02
<i>Class No. 5.</i>						
Bark			53	4 94	...	...
Barrels, Empty.....	483	90 82	1,010	128 02	27	5 34
Boat Knees.....	34	6 84	...	...	...	...
Floats.....			3,884	67 97	49,90	295 00
Firewood, in Vessels.....	48,767	2,155 89	47,730	1,157 21	1,674	28 91
do in Rafts.....			192	4 00	...	...
Lumber, Sawn, in Vessels.....	44,829	6,652 97	31,738	1,574 90	49,590	2,903 43
do in Rafts.....	13	2 40	8,779	294 60	...	...
Hoops			59	4 15	...	...
Railway Ties, in Vessels.....	5	6 62	1,194	39 91	...	...
do in Rafts.....			...	...	...	...

APPENDIX A.—Continued.

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

Burlington Bay Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Newcastle District Canals.	
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.
17	.....	1	0 10	24	0 67	.....	.....	.....	.....
125	.....	464	34 00	1,746	114 61	.....	.....	.....	.....
73,185	.....	15,399	928 92	8,761	373 76	.....	.....	184	2 80
851	.....	50	6 77	62	13 96	.....	.....	.....	.....
48	.....	33	3 70	87	11 60	.....	.....	.....	.....
110	.....	49	4 85	9	0 81	.....	.....	.....	.....
42	.....	34	1 98	3	0 27	.....	.....	.....	.....
4	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	.....	.....	.....	8	1 15	.....	.....	.....	.....
30	.....	.....	.....	.....	.....	.....	.....	.....	.....
173	.....	.....	.....	11	0 97	.....	.....	.....	.....
12	.....	38	3 59	24	2 33	.....	.....	.....	.....
968	.....	.....	.....	5	0 45	.....	.....	.....	.....
440	.....	.....	.....	18	1 52	.....	.....	.....	.....
10	.....	.....	.....	9	0 80	.....	.....	.....	.....
.....	.....	.....	.....	12	1 08	.....	.....	.....	.....
562	.....	.....	.....	65	4 92	.....	.....	.....	.....
1,483	.....	.....	.....	104	9 84	.....	.....	.....	.....
165	.....	.....	.....	57	7 70	.....	.....	.....	.....
116	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	.....	134	25 15	170	14 88	.....	.....	.....	.....
92	.....	31	5 05	27	5 20	.....	.....	.....	.....
362	.....	.....	.....	.....	.....	.....	.....	.....	.....
258	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	.....	.....	.....	4	0 35	.....	.....	.....	.....
782	.....	5	0 94	284	26 93	.....	.....	.....	.....
.....
92	.....	.....	.....	3	0 36	.....	.....	.....	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....
318	.....	.....	.....	13	1 25	.....	.....	.....	.....
33	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	4	0 35	.....	.....	.....	.....
112	.....	.....	.....	55	5 15	.....	.....	.....	.....
4,492	.....	459	37 00	759	75 42	.....	.....	.....	.....
11,685	.....	833	89 03	1,781	187 29	.....	.....	.....	.....
73	.....	38	6 28	310	7 81	.....	.....	.....	.....
	95	12 26	102	4 49	.....	.....	.....	.....	.....
345	.....	3,284	30 84	9,609	185 85	.....	.....	.....	.....
	133,554	4,580 38	56,553	985 66	.....	.....	.....	3,600	60 72
	576	7 39	.....	.....	.....	.....	.....	.....	.....
641	.....	276,771	27,567 22	14,061	717 47	.....	.....	1,510	9 24
	16,087	481 45	42	1 57	.....	.....	.....	.....	.....
	35	3 60	.....	.....	.....	.....	.....	15	3 75
				3,054	218 51	.....	.....	.....	.....
				1,332	106 55	.....	.....	.....	.....

SUPPLEMENTARY

No. (A) 29.—STATEMENT of Traffic on the undermentioned Canals, and

Articles.	Welland Canal.		St. Lawrence Canals.		Chambly Canal.	
	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
<i>Class No. 5.—Concluded.</i>		\$ cts.		\$ cts.		\$ cts.
Masts, Spars and Telegraph Poles, in Vessels.....						
Masts, Spars and Telegraph Poles, in Rafts.....			7,852	196 30		
Square Timber, in Vessels...	60,521	9,061 28	2,493	125 14		
do in Rafts	3,740	825 68	12,516	395 06		
Woodenware and Wood partly manufactured.....	412	123 05	307	101 75		
Shingles.....	85	27 68	165	28 38	18	7 84
Split Posts and Fence Rails, in Vessels	11	0 25			6	0 40
Split Posts and Fence Rails, in Rafts.....			2	0 20		
Saw Logs.....	2,668	120 27	8,733	203 05	13	0 50
Staves and Headings, Barrel	50	7 00				
do do Pipe..	2,253	421 72	247	18 20		
do do W. India	1,692	303 32	862	93 69		
do Salt Barrel.....						
Traverses.....	250	0 69	7,828	20 37	140	2 80
Hop Poles.....			289	9 25		
Total, Class No. 5.....	165,851	19,806 48	135,924	4,577 09	56,458	3,244 28
<i>Special Class.</i>						
Kryolite or Chemical Ore.....			4,192	209 60		
Iron Ore.....	15,229	761 45				
Stone, unwrought, not suitable for cutting	8,335	445 04	1,592	39 00		
Ice.....	7,535	376 75				
Total, Special Class...	31,099	1,583 24	5,784	248 60		
Total Freight and Tolls	956,052	196,028 26	500,295	66,680 52	155,814	15,370 78
Timber and other Wood, Free						
Wheat, Corn, Flour, Iron, Salt, Coal, &c., Free.....	12,706	2,534 20	304,465	39,363 42	1,474	145 40
Grand Totals, Passengers and Tonnage of Vessels not included.....	968,758	198,572 46	804,760	106,043 94	157,288	15,516 18

NOTE—St. Peter's Canal being closed for enlargement

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

APPENDIX.—*Continued.*

the Amount of Tolls collected, during the Season of Navigation in 1878.

Burlington Bay Canal.		Ottawa Canals.		Rideau Canal.		St. Peter's Canal.		Newcastle District Canals.	
Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.	Tons.	Tolls.
	\$ cts.		\$ cts.		\$ cts.		\$ cts.		\$ cts.
340				23	0 50				
1,540		2,645	42 51	1,420	45 76			230	3 50
12		57	16 19	47	7 10				
		335	84 81	233	76 11			33	2 63
				157	24 11				
		45	3 38	3	0 57				
		44	1 00	585	16 38			3,896	26 00
18		2	0 38	25	1 70				
48									
55									
		705	2 98	7,274	55 39				
				106	15 00				
3,072		434,273	32,841 70	94,936	2,470 53			9,284	105 84
		3,927	196 35	2,791	139 55				
								1,020	10 20
810									
810		3,927	196 35	2,791	139 55			1,020	10 20
88,702	3,936 28	451,432	38,658 57	108,269	4,694 51				152 34
		361	17 06	1,670	46 57				
88,702	3,936 28	454,793	38,675 63	109,939	4,741 11			10,488	152 34

no business has been done on it during this year.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A) 31.—STATEMENT showing the Amount of Tolls accrued each Month during the Season of Navigation ended December, 1878.

Canals and Offices.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
WELLAND CANAL.											
Chippawa.....	0 36	3 20	3 21	1 50	.....	13 76	.....	2 58	12 50	.....	37 11
Coborne.....	16,068 05	19,815 20	22,176 92	25,235 57	21,015 64	17,073 74	12,033 17	642 69	133,960 98		
Dalhousie.....	9,234 92	8,574 28	9,244 12	10,159 16	7,361 12	8,378 26	4,645 80	148 95	57,746 61		
Dunville.....	92 74	106 26	69 64	16 47	61 29	192 89	72 96	1 27	613 52		
Maitland.....	148 90	173 42	142 37	150 68	189 34	222 48	35 81	10 35	1,073 35		
Robinson.....	317 70	295 97	158 94	157 81	102 55	167 83	237 74	59 18	1,497 72		
St. Catharines.....	138 64	182 46	124 18	177 40	98 64	283 58	87 88	16 19	1,108 97		
Total, Welland Canal.....	0 36	3 20	26,004 16	29,149 09	31,916 17	35,910 85	28,828 58	26,321 36	17,125 86	778 63	196,038 26
ST. LAWRENCE CANALS.											
Beauharnois.....	1 40	386 77	243 04	230 42	433 16	419 58	959 29	333 78	2 03	3,009 43	
Cornwall.....	2,337 50	2,393 49	1,957 94	1,658 39	1,637 80	2,854 60	1,630 93	6 87	14,477 52		
Edwardsburg.....	87 31	65 62	33 25	25 02	58 69	131 59	30 10	11 28	442 86		
Kingston.....	601 78	5,931 12	3,160 75	3,167 66	2,415 19	3,101 98	1,626 04	138 35	.....	20,142 87	
Lachine.....	227 16	337 01	353 96	348 65	862 44	361 25	272 82	10 94	2,768 75		
Montreal.....	3,422 34	3,831 51	4,505 76	3,911 93	3,434 98	4,119 07	2,550 04	57 98	25,839 09		
Total, St. Lawrence Canals.....	603 18	12,392 20	10,031 42	10,248 99	8,792 34	9,515 47	10,051 80	4,956 02	89 10	66,680 52	
CHAMBLY CANAL.											
Chambly.....	301 19	902 17	570 51	483 67	542 61	931 58	745 47	2 99	4,480 19		
St. John's.....	1,269 89	1,119 57	1,711 38	1,669 64	1,336 61	1,907 68	1,198 12	6 50	10,214 39		
St. Ours.....	29 00	88 46	86 15	76 68	92 31	85 20	124 55	86 65	7 20	676 20	
Total, Chambly Canal.....	29 00	1,659 54	2,107 89	2,358 57	2,245 62	1,964 42	2,963 81	2,025 24	16 69	15,370 78	

BURLINGTON BAY CANAL.

Hamilton.....	3 72	39 29	529 94	654 73	692 95	746 68	501 01	467 00	295 27	5 69	3,936 28
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OTTAWA CANALS.

Ottawa.....		3,231 89	2,958 78	4,206 46	3,401 23	3,906 01	3,028 42	1,460 74		22,193 53
Carrillon	9 01	57 81	128 36	130 21	82 82	46 15	155 24	130 00		739 60
Grenville		2,376 47	2,310 88	1,860 95	2,405 04	1,324 28	1,716 91	1,279 54		13,274 07
St. Ann's	22 15	264 96	354 32	366 35	470 00	323 33	413 65	232 42	4 19	2,151 37
Total, Ottawa Canals	31 16	5,931 13	5,752 34	6,563 97	6,359 09	5,599 77	5,314 22	3,102 70	4 19	38,658 57

RIDEAU CANAL.

Kingston Mills.....		338 93	406 39	434 81	256 08	218 05	265 38	253 80		2,173 44
Ottawa.....		342 98	349 35	292 58	374 85	230 44	283 56	94 91	8 50	1,977 17
Smith's Falls.....		97 77	121 14	107 81	83 85	52 89	48 55	31 92		543 93
Total, Rideau Canal		779 68	876 88	835 20	714 78	501 38	597 49	380 63	8 50	4,694 54

ST. PETER'S CANAL.

St. Peter's.....										
------------------	--	--	--	--	--	--	--	--	--	--

NEWCASTLE DISTRICT CANALS.

Bobcaygeon.....		4 50	17 72	13 75	5 50	5 03	1 80	13 91	2 57		64 78
Peterborough.....		7 28	4 08	6 34	5 35	1 22	2 50	3 90			30 67
Hastings.....	1 09	1 00	3 50	31 80	14 00	1 50	0 50	2 50	1 00		56 89
Total Newcastle District Canals.....	1 09	12 78	25 30	51 89	24 85	7 75	4 80	20 31	3 57		152 34
Grand Total.....	5 17	718 61	47,321 95	48,624 24	52,640 70	54,777 11	46,915 43	45,735 99	27,889 29	902 80	326,531 29

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Continued.

No. (A) 32.—GENERAL STATEMENT showing the Number, Tonnage and Nationality of Vessels passed through the Canals during the Season of Navigation ended 31st December, 1878, and the Tolls collected thereon.

VESSELS.	Total Number	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
WELLAND CANAL.													
Canadian Vessels, steam.....	624	69,121	42,618	27,843	823	.....	.....	802	56,546	97,766	99,987	197,753	\$ 2,973 19
do sail.....	1,999	103,399	48,304	115,664	2,921	.....	.....	5,474	173,571	224,537	224,796	449,333	9,240 63
Total Canadian.....	2,623	172,520	90,922	143,507	3,744	.....	.....	6,276	230,117	322,303	324,783	647,086	12,213 82
United States Vessels, steam.....	733	.....	80	.....	1,618	69,902	68,333	486	1,851	70,388	71,882	142,270	2,130 61
do do sail.....	1,073	1,235	778	11,690	1,706	137,278	68,949	1,300	75,205	151,503	146,638	298,141	6,572 91
Total United States	1,806	1,235	858	11,690	3,324	207,180	137,282	1,786	77,056	221,891	218,520	440,411	8,703 52
Grand Total Welland Canal.	4,429	173,755	91,780	155,197	7,068	207,180	137,282	8,062	307,173	544,194	543,303	1,087,497	20,917 34
ST. LAWRENCE CANALS.													
Canadian Vessels, steam.....	3,157	513,391	340,604	11,639	395	.....	.....	9,188	525,030	350,187	875,217	4,963 70	
do sail.....	4,880	417,596	319,852	4,371	.....	72	205	96	6,032	422,135	326,089	748,224	8,027 63
Total Canadian	8,037	930,987	660,456	16,010	395	72	205	96	15,220	947,165	676,276	1,623,441	12,991 33
United States Vessels, steam....	458	364	307	2,756	48	9,475	9,396	24	4,259	12,619	14,010	26,629	137 50
do do sail.....	771	2,352	5,812	11,965	4,165	357	276	42,260	13,029	56,934	23,282	80,216	880 22
Total United States.....	1,229	2,716	6,119	14,721	4,213	9,832	9,672	42,284	17,288	69,553	37,292	106,845	1,017 72
Grand Total St. Lawrence Canals	9,266	933,703	666,575	30,731	4,608	9,904	9,877	42,380	22,508	1,016,718	713,568	1,730,286	14,009 05

CHAMBLY CANAL.

Canadian Vessels, steam.....	540	41,309	40,977	457				2,814	41,766	43,791	85,557	275 19
do sail.....	1,063	10,922	10,196	15,553				48,362	26,475	58,558	85,033	1,440 77
Total Canadian.....	1,603	52,231	51,173	16,010				51,176	68,241	102,349	170,590	1,715 96
United States Vessels, steam.....	8			102			76		159	102	235	337 4 21
do do sail	872	10	608	12,556				57,709	12,566	58,317	70,883	1,055 42
Total United States	880	10	608	12,658			76		57,868	12,668	58,552	71,220 1,059 63
Grand Total Chamby Canal.	2,483	52,241	51,781	28,668			76		109,044	80,909	160,901	241,810 2,775 59

BURLINGTON BAY CANAL.

Canadian Vessels, steam.....	763	159,929	164,190	2,120			6,465	166,394	166,610	333,004	3,300 30
do sail.....	267	5,898	14,870	13,361			21,677	27,575	28,231	55,806	558 21
Total Canadian	1,030	165,827	179,060	15,781			28,142	193,969	194,841	388,810	3,388 51
United States Vessels, steam.....	25	255	116	2,379			2,027	2,282	2,495	4,777	47 77
do do sail											
Total United States.....	25	255	116	2,379			2,027	2,282	2,495	4,777	47 77
Grand Total, Burlington Bay Canal.....	1,055	166,082	179,176	18,160			30,169	196,251	197,336	393,587	3,936 28

OTTAWA CANALS.

Canadian Vessels, steam.....	1,228	86,750	128,578	1,590				86,750	130,168	216,918	697 00
do sail	1,864	13,732	110,899	30,463				13,732	147,362	161,094	2,394 58
Total Canadian	3,092	100,482	239,477	38,053				100,482	277,530	378,012	3,081 67
United States Vessels, steam.....	642	7,790	425	41,662			4,586	12,376	42,087	54,463	1,153 90
do do sail											
Total United States	642	7,790	425	41,662			4,586	12,376	42,087	54,463	1,152 90
Grand Total, Ottawa Canals.	3,734	108,272	239,902	79,715			4,586	112,858	319,617	432,475	4,234 57

SUPPLEMENTARY APPENDIX A.—Continued.

NO. (A) 32.—GENERAL STATEMENT showing the Number, Tonnage and Nationality of Vessels passed through the Canals, &c.—Continued.

VESSELS. ¹	Total Number	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls. \$ cts.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
RIDEAU CANAL.													
Canadian Vessels, steam	922	20,611	22,663	.....	.....	.....	.....	.....	.....	20,611	22,663	43,274	400 27
do sail	1,724	48,155	55,292	.....	.....	.....	.....	.....	.....	48,155	55,292	103,447	966 57
Total Canadian	2,646	68,766	77,955	.....	.....	.....	.....	.....	.....	68,766	77,955	146,721	1,366 84
United States Vessels, steam	4	69	69	.....	.....	.....	.....	.....	.....	69	69	138	1 08
do do sail	73	343	5,935	97	70	.....	.....	.....	.....	440	6,005	6,445	53 92
Total United States	77	412	6,004	97	70	.....	.....	.....	.....	509	6,074	6,583	55 00
Grand Total, Rideau Canal...	2,723	69,178	83,959	97	70	.....	.....	.....	.....	69,275	84,029	153,304	1,421 84
ST. PETER'S CANAL.													
Canadian Vessels, steam .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
do sail .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total Canadian .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEWCASTLE DISTRICT CANALS.													
Canadian Vessels, steam	23	476	1,821	.....	.....	.....	.....	.....	.....	476	1,821	2,297	13 09
do sail	40	600	3,500	.....	.....	.....	.....	.....	.....	600	3,500	4,100	20 50
Total Canadian	63	1,076	5,321	.....	.....	.....	.....	.....	.....	1,076	5,321	6,397	33 50
Grand Total, Newcastle Dis- trict Canals	63	1,076	5,321	.....	.....	.....	.....	.....	.....	1,076	5,321	6,397	33 50

RECAPITULATION.

VESSELS.	Total Number	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
		Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
CANADIAN VESSELS.													
Steam and Sail.													\$ cts.
Welland.....	2,623	172,520	90,922	143,507	3,744			6,276	230,117	322,303	324,783	647,086	12,213 82
St. Lawrence.....	8,037	930,987	660,456	16,010	395	72	205	96	15,220	947,165	676,278	1,623,441	12,991 33
Chamibly.....	1,603	52,231	51,173	16,010					51,176	68,211	102,349	170,590	1,715 96
Burlington Bay.....	1,030	165,827	179,060		15,781			28,142		193,969	194,841	388,810	3,888 51
Ottawa.....	3,092	100,482	239,477		38,053					100,482	277,530	378,012	3,081 67
Rideau.....	2,646	68,766	77,955							68,766	77,955	146,721	1,366 84
St. Peter's.....													
Newcastle District.....	63	1,076	5,321							1,076	5,321	6,397	33 50
Total Canadian.....	19,094	1,491,889	1,304,364	175,527	57,973	72	205	34,514	296,513	1,702,002	1,659,055	3,361,057	35,291 63
UNITED STATES VESSELS.													
Steam and Sail.													
Welland.....	1,806	1,235	858	11,690	3,224	207,180	137,282	1,786	77,056	221,891	218,520	440,411	8,703 52
St. Lawrence.....	1,229	2,716	6,119	14,721	4,213	9,832	9,672	42,284	17,288	69,553	37,292	106,845	1,017 72
Chamibly.....	880	10	608	12,658			76		57,868	12,668	58,552	71,220	1,059 63
Burlington Bay.....	25	255	116		2,379			2,027		2,282	2,495	4,777	47 77
Ottawa.....	642	7,790	425		41,662			4,586		12,376	42,087	54,463	1,152 90
Rideau.....	77	412	6,004	97	70					509	6,074	6,583	55 00
St. Peter's.....													
Total United States....	4,659	12,418	14,130	39,166	51,648	217,012	147,030	5,083	152,212	319,279	365,020	684,299	12,036 54
Grand Total Canadian and United States....	23,753	1,504,307	1,318,494	214,693	109,621	217,084	147,235	63,337	448,725	2,021,281	2,024,075	4,045,356	47,328 17

62

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.

SUPPLEMENTARY APPENDIX A.—Concluded.

COMPARATIVE STATEMENT of Grand Total Freight passed through the undermentioned Canals during the Seasons of Navigation, 1877-78, with the amount of Tolls collected on the same, including Tolls on Vessels and Passengers.

CANALS.	From Canadian to Canadian Ports.		From Canadian to United States Ports.		From United States to United States Ports.		From United States to Canadian Ports.		Tons.		Total Tons.	Amount of Tolls.
	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.	Up.	Down.		
\$ cts.												
1877.												
Welland Canal.....	24,179	125,466	16,913	7,545	259,207	234,634	11,890	495,564	312,189	863,269	1,175,398	233,204 15
St. Lawrence Canals....	123,398	580,140	4,985	5,549	1,189	3,951	80,465	42,809	209,037	632,449	841,486	62,033 01
Chamby Canal.....	9,187	7,311	42,040	.....	.....	7,407	.....	131,758	51,227	146,476	197,703	18,990 97
Rideau Canal.....	89,717	24,319	.....	.....	.....	.....	.....	.....	89,717	24,349	114,066	4,890 47
Ottawa Canals.....	916	304,417	.....	182,318	.....	.....	.....	.....	916	486,735	487,651	41,713 95
Burlington Bay Canal..	18,064	20,284	66	4,854	.....	.....	57,530	.....	75,660	25,138	100,798	3,832 17
St. Peter's Canal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newcastle Dist. Canals.	27,155	.....	.....	.....	.....	.....	.....	.....	27,155	.....	27,155	313 91
1878.												
Welland Canal	23,752	92,950	29,224	3,742	206,432	167,306	8,329	437,023	267,737	701,021	968,758	196,038 26
S. Lawrence Canals....	125,397	573,516	9,288	3,112	598	996	46,902	44,921	182,185	622,575	804,760	66,680 52
Chamby Canal.....	6,967	9,926	59,139	.....	.....	.....	81,256	.....	66,106	91,182	157,288	15,370 78
Rideau Canal.....	97,176	12,402	361	.....	.....	.....	.....	.....	97,537	12,402	109,939	4,694 54
Ottawa Canals.....	1,662	272,310	.....	180,727	.....	.....	94	.....	1,756	453,037	454,793	38,658 57
Burlington Bay Canal..	21,264	22,068	.....	1,524	.....	.....	43,846	.....	63,110	23,592	88,702	3,936 28
* St. Peter's Canal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newcastle Dist. Canals.	10,138	350	.....	.....	.....	.....	.....	.....	10,138	350	10,488	152 34

* This Canal being closed for enlargement, no business has been done on it during the years 1877 and 1878.

INLAND REVENUE DEPARTMENT,
OTTAWA, 31st December, 1878.

A. BRUNEL,
Commissioner.