

and mek
to Dept. of Public Health
to the

Can
P

SESSIONAL PAPERS

VOLUME 8

SECOND SESSION OF THE THIRTEENTH PARLIAMENT

OF THE

DOMINION OF CANADA

SESSION 1919

154488
4/3/20



VOLUME LIV.

ALPHABETICAL INDEX

TO THE

SESSIONAL PAPERS

OF THE

PARLIAMENT OF CANADA

SECOND SESSION, THIRTEENTH PARLIAMENT, 1919.

A	B
Abattoir and Cold Storage facilities at Halifax	Bishop Budka, of Winnipeg, <i>re</i> Charges of Sedition against
287	172
Adulterated Maple Syrup—relating to prosecutions in connection with	Boishevism in Russia, Report <i>re</i> , by Imperial Government of Great Britain.
159	222
Adulterated Maple Sugar—relating to prosecutions in connection with	Bonds and Securities, Detailed Statement of, since last Return, 1918
158	151
Advertising, <i>re</i> amounts expended on by Govt. since beginning of War	Boundary Waters Reference, Report of Commission on Pollution of Waters
177	102
Aerodromes, Airships, etc.. Documents relating to	Brigadier-Generals, Names, numbers of, created since the War
224	259
Aetna-Chemical Co., Documents <i>re</i>	British War Graves in France, Agreement between British Govt. and French Government, <i>re</i>
191	229
Agriculture, Report of Minister of, year ended March 31, 1919	Brook Village Postmaster, Relating to charges against
15	292
Agricultural Implements imported into Canada, year 1914, and last fiscal year available	
199	C
Agricultural Implements, Order in Council respecting	Canadian Pacific Ry Co.:—
119	Documents relating to lands sold, year ending December, 1917
Agricultural Instruction Act	115
15a	Censor's Department, Documents <i>re</i>
Archives, Public Copies of Order in Council relating to	179
113	Civil Service:—
Armistice, Terms of, concluded between Allies and Germany, Austria, and Turkey	Names of last 300 appointees to, etc
81c	192
Armistice, Copy of letter <i>re</i> papers issued by Allies prolonging same	<i>Re</i> increase of salaries of, in County of Dorchester, 1917, etc
81b	183
Armistice, Copy of Terms with Turkey and Austria-Hungary	<i>Re</i> number of appointments made to, by Civil Service Commission since Act of 1918
81a	169
Armistice, Copy Paper containing conditions of, etc., with Germany	Commission, Regulations of
81	109a
Attorneys, Number of, in Montreal, employed by Govt. during 1918-19	Commission, Copies of Orders in Council respecting
282	109
Auditor-General, Report of year 1918, Vol. 1, Vol. 2, Vol. 3 and Vol. 4	Civil Service of Canada, Order in Council respecting salaries, etc., of, Civil Service Insurance Act, Statement respecting
1	84
B	30
Bank Mergers in Canada, Documents <i>re</i>	Civil Service List of Canada for 1918, Report of Civil Service Commission in Reclassification of Service
182	294
Belgium, Communication from Senate of, to Parliament of Canada	French Report of Civil Service Commission in Reclassification of Service
236	294
Bell, Lt.-Col. McKelvey, Correspondence <i>re</i> resignation of	Report of Civil Service Commission for 1918
303	31
Bill, E. G., Papers connected with proposed appointment of, to Justice Department	Cablegrams, Amounts paid for by Government, etc
133	211

C		D	
Cacouna East, Report <i>re</i> Wharf at.	302	Dominion War Loans, Documents <i>re</i>	186
Canada, Registration Board, Copy of Order in Council establishing.	170	Dominion Royal Commission, Correspondence respecting.	301
Canada Food Board, Report of 1918.	60	Dominion Police, <i>re</i> number of men, pay and travelling expenses.	166
Canada, H.M.C.S., <i>re</i> repairs, supplies, etc., 1918-1919.	295	Dominion Steel Corporation, Amount of goods free of duty imported by, nature of, etc.	285
Canadian Government Railways Magazine, Documents <i>re</i>	215	Drummond, Huntley, of Montreal, <i>re</i> rentals paid to, by Government, 1914, 1915, 1916, 1917, 1918 and 1919.	311
Canadian Naval Vessels, Documents <i>re</i>	217	Duff, Mr. Justice, Copy of letter of, <i>re</i> Mr. S. L. Dale Harris.	246a
Canadian Trade Commission, List of British Import Restrictions.	106	"Dundalk Herald," Amount paid to, year ending March 26, 1919.	251
Canadian Trade Mission in London.	75	"Durham Chronicle," Amount paid to, during year ending March 26, 1919.	251
Canadian Northern Railway, Documents <i>re</i> value of Stock of.	195		
Canadian Northern Railway <i>re</i> Letters by Graham Bell on.	195a	E	
Canadian Press Association, Amount paid by Government to, 1918.	262	Eden Siding, N.S., Documents <i>re</i> Mail route to.	235
Canadian Expeditionary Force, Copies of Routine Orders of, from January, 1918, to February, 1919.	47	Editorial Committee on Government Publications, Report of, 1919.	37
Canadian Car and Foundry Co., Ltd., Amount paid to, by Government for Internment Camp.	296	Edmonton, City of, <i>re</i> rentals paid by Government for buildings in, etc.	312
Canals of Canada, Amount of expenditure on each, since Confederation, etc.	153	Elections, Conscription Law, and National Service, expenditures connected with.	173
Canals Statistics of Canada, 1918.	20a	Electricity, Report on export of, from Canada.	279
Coal, Documents <i>re</i> seizure of two cars of, by Fuel Controller of Thorold, Ont.	237	Elgin and Havelock Ry. Co., Copy of agreement between, and the Govt.	125
Commissions granted to Canadian Officers during War.	157	Estimates for year ending March 31, 1920.	3
Commissions, Number of, created since 1911, names of Presidents, members of, and amounts expended on.	138	Estimates, Supplementary, year ending March 31, 1919.	4
Commissions, Number of, and names of, created since Elections, 1911, etc.	138a	Estimates, Supplementary, year ending March 31, 1920.	4a
Commissions, Number of, and names of, created since Elections, 1911 (Supplementary.	138b	Estimates, Supplementary, year ending March 31, 1920.	5b
Cooke, Mr., Documents <i>re</i> his connection with Department of Immigration.	189	Estimates, Supplementary, year ending March 31, 1920.	5a
Conservation, Commission of, Report of, Conscientious Objectors, <i>re</i> number of, still in prison.	123	European War, Work of Department of Militia and Defence, <i>re</i> Memo. No. 5, respecting work of.	185
Costa Rica, Communication from Congress of Republic of, to Government.	41	Exchequer Court of Canada, Copy of Rule and Order amending Rule of.	126
Crerar, Hon. T. A., Letter of resignation of.	281	Experimental Farms, Report of, 1918.	16
Customs, Order in Council affecting Department of.	124	Express Statistics.	20e
Customs, Order in Council <i>re</i> Amalgamation of, with Inland Revenue.	77	F	
Customs, Shipping, Report of, year 1918.	11a	Farm Implements, Value of, imported into Canada, years 1912, 1913, 1914, 1915, 1916, 1917, 1918.	266
Customs Trade, Report of, year 1918.	11	Farmers of Canada, <i>re</i> delegation of, to Government at Ottawa, 1912, 1913, 1914, 1915.	223
Customs and Excise Duties, Amounts paid to Provinces as subsidies, etc., since 1867.	322	Feltzen South, and Rose Bay, N.S., <i>re</i> Mail Contracts there.	163
		Fish, Salt and fresh, shipped to England, France, etc., during War.	277a
D		Fish, Purchase of, by Govt. for overseas, in 1915, 1916, 1917, 1918, 1919.	277
Debentures, Names of, authorized by Government to issue same, since Order in Council passed.	128a	Fish Drier, Government, at Souris, P.E.I., Documents <i>re</i>	234
Debentures, Names of Provincial Govts., Municipalities, etc., issuing same.	128	Fishery Guardians, Province N.S., Names, address, salaries, etc., of.	268
Debentures, <i>re</i> sale of, under Order in Council of December 22, 1917.	128b	"Flesherton Advance," Amounts paid to during year ending March 26, 1919.	251
Demobilization Questions, and Industrial Labour Conditions.	73	Food and Drug Statistics, Department Trade and Commerce, 1919.	275
Desjardins, Chas., alias Ti-Noir, Papers <i>re</i> release of, on bail.	150	Fort Francis Pulp and Paper Co., <i>re</i> rebate of duty to, ordered by Government, 1918.	288
Destructive Insect and Pest Act.	61	Freestone Island Lighthouse, N.S., <i>re</i> appointment of keeper of, in 1918.	250
Divorce, Number of Applications for, since Confederation, number passed, etc.	284		

F		
Friar Siding, Expenditure of money at.	146	
Fuel Controller, Final Report of, from June, 1917, to 1919.	276	
G		
Grand Trunk Pacific Ry.:—		
Papers respecting the Receivership of, etc.	120a	
Order in Council appointing Receiver of.	120	
Gaspé Railway System, <i>re</i> acquisition of, by Dominion Government.	267	
Gaspé, Steamer Service between Montreal, Quebec, and.	149	
Geological Survey, Department of Mines, year 1917.	26	
Girroir, Mrs. Annie, <i>re</i> claim of, for damages by I.C. Ry.	270	
Governor General's Warrants, Statement of.	85	
Grain Supervisors, and Grain Commissioners, Board of, Documents <i>re</i> commandeering of wheat in 1916.	217	
Great Northern Ry. Co. of Canada and Quebec and Lake St. John Ry., Paper <i>re</i> acquisition of.	272	
Great Northern Ry. Co. of Canada and Quebec and Lake St. John Ry., <i>re</i> minority stock of.	272a	
"Grey Review," Amounts paid to, during year ending March 26, 1919.	251	
Grey, Geo. Edwin, <i>re</i> "Habeas Corpus" proceedings connected with.	62	
H		
Halifax Relief Commission, Documents, Order in Council, etc., connected with.	319	
"Halifax Herald," Amounts paid to, years 1914, 1915, 1916, 1917 and 1918.	240	
"Halifax Herald," Amounts paid to, years 1914, 1915, 1916, 1917 and 1918.	240a	
"Halifax Chronicle," Amounts paid to, years 1914, 1915; 1916, 1917 and 1918.	310	
Hambleton, Mrs., Report of, <i>re</i> Canadian Flour Mills.	232	
"Hamilton Spectator," Amounts received from Government, years 1914, 1915, 1916, 1917, 1918.	219a	
"Hamilton Spectator," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918.	219	
"Hanover Post," Amount paid to during year ending March 26, 1919.	251	
Harbour Dues collected during years 1917-1918.	44	
Harris, S. L. Dale, Copy of letter of, Mr. Justice Duff <i>re</i>	246a	
Heaton, Papers <i>re</i> pardon or parole of.	304	
Historical Documents Publication Board, Report of.	101	
Housing, Order in Council relating to Scheme of, for Province of Quebec.	53b	
I		
Immigration and Colonization, Report of Department of, 1918.	18	
Imperial War Conference, Extracts from Minutes and Proceedings of.	48	
Income Tax, Number of persons paying, under War Tax Act exceeding \$100,000, etc.	289	
Industry, Report of Census of (Agricultural Statistics), (Fisheries Statistics).	17-17b	
J		
Jenkins, Lt.-Col., <i>re</i> Report of, respecting Canadian Army Medical Corps.	293	
Joint Librarians of Parliament, Report of, for 1918.	40	
K		
Koebel, Michael, correspondence <i>re</i> drowning of, at Welland Canal.	245	
L		
Labour, Commission <i>re</i> labour relations in Canada.	184a	
Labour, Report of Minister of, year 1918.	36	
Lassonde, William, Papers <i>re</i> dismissal of, at Port of Sutton, Abercorn.	155	
Lead Pipe, <i>re</i> number of tons imported from United States in year 1918.	249	
League of Nations Covenant, Copy of Cable relating to.	93	
League of Nations Covenant, Copy of letter respecting, and copies of draft of.	93a	
League of Nations Covenant, Copy of draft of.	93b	
LeBlancville P.O., in Westmorland Co., N.B., <i>re</i> closing of.	175	
L'Hereux, Documents <i>re</i> charges against.	213	
Liquor, <i>re</i> importation of, into Canadian Territories by special permission.	114	
List of Shipping for year 1918.	22	
M		
Mails, etc.:—		
Contracts, etc., for County of Dorchester, Que.	162	
Marine and Fisheries, Report of Department of, Steamboat Inspection, year 1918.	23	
Marine and Fisheries, Report of Department of, year 1918 (Marine).	21	
Maritime Seed Fair, Summerside, P.E.I., Correspondence <i>re</i>	321	
Militia, Copies of General Orders promulgated from January, 1918, to February, 1919.	46	
Militia Council, Report of, for 1918.	35	
I		
Industry, Report of Census of (Pulp and Paper).	17c (4)	
Industrial Relations, Order in Council appointing Commission <i>re</i>	184	
Industrial Relations, Report of Commission appointed to inquire into.	184b	
Indian Affairs, Report of Department of, 1918.	27	
Inland Revenue, Part I, Excise, year 1918.	12	
Insurance, Abstract Statement of.	9	
Interprovincial Traffic in intoxicating liquor, Opinion, by Minister of Justice.	305	
Intercolonial Ry., Amount of damages by accidents on, since November 1, 1918.	180	
Interior, Report of Department of, 1918.	25	
Internal Economy Commission of House of Commons, Report of Commission of.	134	
Inverness Ry. Station, <i>re</i> carrying mails from, to Margaree Harbour, N.S.	273	
Italy, <i>re</i> credit of \$6,000,000 to, for purchase of beef.	298	

M

Men recruited in Canada, Total number of, during War, and men and women in war work.	264
Mines, Department of, Copies of Orders in Council respecting.	112
Machinery, Free importation of, during years 1915, 1916, 1917 and 1918.	248
Magdalen Islands, <i>re</i> Steamer service between Pictou and.	202
"Manitoba Free Press," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918.	239
"Manitoba Free Press," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918.	239a
Maple Sugar, Adulterated, Number of prosecutions for, etc.	158
Marconi Wireless Co., <i>re</i> contract of, with Naval Service.	178a
Marconi Wireless Co., <i>re</i> contract of, with Naval Service, showing date of, etc.	178
Margaree Breakwater, Documents referring to.	147
"Markdale Standard," Amount paid during year ended March 26, 1919.	251
Masters and Mates, Order in Council relative to certificates of.	42
Military Service, Branch of, Military Service Act, Report of Director of.	246
Military Service Act, Number of men enlisted under, in each Province of Canada.	193
Military Service Act, Papers showing cost of enforcing.	170
Military Service Act, Number of men condemned for infractions of, also imprisoned and since released.	165
Military Service Act, Number of times said Act was amended, etc.	164
Military Service Act, <i>re</i> Amounts paid for rental of offices in Montreal, Ottawa and Quebec, also all Provinces of Dominion and names of lawyers attending Judge Duff, <i>re</i> appeals, etc.	161
Military Service Council, Report of, <i>re</i> administration of the Act.	154a
Military Service Act, <i>re</i> progress of obtaining recruits under, to April 15, 1918.	154
Military Service Act, Papers relating, administration of, in county of Lunenburg, N.S.	143
Military Service Act, Respecting number of officers employed in the enforcement of, up to March 31, 1918.	142
Military Service Act, Correspondence between the Government and Mr. Justice Duff, respecting.	141
Military Service Act, Correspondence between the Government and Mr. Justice Duff, respecting.	140
Military Service Act, Number of exemptions asked for in each Province, etc.	132
Military Service Act, Number of men liable under, and number responding, etc.	131
Ministry of Overseas Military Forces of Canada, Report of.	255
Miscellaneous Unforeseen Expenses, Statement respecting.	88
Moncton-Buctouche Ry. Co., Agreement between, and Government.	290

M

Montreal Harbour Commissioners' Bridge, Documents <i>re</i> Construction of.	242
"Montreal Gazette," Amounts paid, by Govt., years 1914, 1915, 1916, 1917 and 1918.	253
"Montreal Gazette," Amounts paid, by Govt., years 1914, 1915, 1916, 1917 and 1918.	253a
"Montreal Star," Amount paid by Govt. to, in years 1914, 1915, 1916, 1917 and 1918.	228
"Montreal Star," Amount paid, by Govt. to, in years 1914, 1915, 1916, 1917 and 1918.	228a
Morrisons Limited, or D. A. Morrison, Amounts paid to, in years 1915, 1916, 1917, 1918 and 1919.	283

Mc

McCurdy, F. B., M.P., Papers relating to resignation as Parliamentary Secy.	110
McMillan, Chas., Papers <i>re</i> pardon or parole of.	304

N

National Transcontinental Railways:—	
Correspondence between Government and City of Quebec, Board of Trade, etc., <i>re</i> claims of City of Quebec for Terminals, and other matters.	139
Nichols, M. E., Director of Public Information for Canada.	152
Nichols, E. Hart, Registrar, at Halifax, M.S.A., correspondence, <i>re</i>	143
Niobe Cruiser, Number of prizes taken by, if any, value, etc.	286
National Service Act, Papers <i>re</i> cost of.	170
National Battlefields Commission, Report of.	87
Naval Service, Report of, Fisheries Branch of.	39
Naval Service, Report of Department of, 1918.	38
Naval Service, Copy of Order in Council respecting.	52
Newspaper advertising, Amount expended by Government since 1915.	233
Newspapers:—	
"P. E. I. Examiner," "Guardian," "Island Patriot," "Summerside Journal," "Agriculturist," "Pioneer and Farmer," "Charlottetown Herald," and "Charlottetown Watchman," from August, 1914, to January, 1918.	212
"Winnipeg Telegram," amounts paid to, in 1914, 1915, 1916, 1917 and 1918.	210
"Bridgewater Bulletin," "Daily and Weekly News," of Nova Scotia, amounts paid to, since 1912.	208
"Moncton Transcript," "Acadian Recorder," "Morning Chronicle," "Halifax Herald," and "Evening Mail"	207
Newspapers, of money spent by Government in advertising in, also magazines, etc., outside Canada, as well as in.	257
Newspapers, Daily and weekly, magazines, Periodicals in and outside of Canada, Amount of money spent on, by Govt., 1918-1919.	257a
Newspapers, Advertising, Amount expended by Government on, since 1915.	233a

N

Newspapers, Return to an Order of the House of the 8th May, 1919, for a Return showing the amounts paid for advertising, printing, etc., by the various Departments of the Government during the fiscal years 1916, 1917, 1918 to the following newspapers: The Brantford "Expositor," The Woodstock "Sentinel Review," The Stratford "Beacon," The Kingston "Whig," The Hamilton "Times," The Toronto "Globe," The Toronto "Star," The Guelph "Mercury," The Niagara Falls "Review," The St. Catharines "Journal," The Ingersoll "Chronicle," The Orillia "Times," The Belleville "Ontario," The Simcoe "Re-former," The Richmond Hill "Liberal," The Acton "Free Press," The Mitchell "Recorder," and the Owen Sound "Sun" 317

"Moncton Transcript," "Acadian Recorder," "Morning Chronicle," "Halifax Herald," and "Evening Mail," amounts paid to, 1918. 207a

Northland Inquiry, Copy of Justice Hodgins Report on. 78

Nursing Sisters, Royal Canadian Navy, re Uniform allowances to. 52d

O

Orders in Council:—

Copies of, respecting publications in "Canada Gazette" re the Soldiers Settlement Act. 100

Copies of, "Forest Reserves and Parks Act," re lands held by C.P. Railway, etc. 99

Copies of, "Migratory Birds Convention Act" 98

Copies of, Dominion Lands, in the 40-mile Railway Belt, in British Columbia. 97

Copies of, Lands called "Water Lands," and lands sold to W. H. Hammond, B.C. 96

Copies of, Lands under the Dominion Lands Act, Lands sold or Alienated, in 1918. 95

Copies of, Remissions made under the "Indian Act," of 1906. 94

Copies of, Industrial Disputes. 92

Copies of, Militia and Defence, and Canadian Expeditionary Forces. 79a

Copies of, Various regulations, penalties re deserters, etc. 79

Copies of, Advances for purchases of wool. 71

Copies of, Undertakings with Banks re wheat crop of 1918. 70

Copies of, Prohibiting export of Gold. 69

Copies of, Prohibiting export of Silver. 68

Copies of, Placing potatoes on free list. 67

Copies of, National War Savings Committee. 66

Copies of, Credit to Imperial Govt., re purchase of timber in Canada. 65

Copies of, Repealing restrictions on issue of securities, etc. 64

Copies of, Canadian Northern Ry. System. 57

Copies of, Work on Trent Canal. 56

Copies of, Improvement of Highways, appointment of A. W. Campbell. 55

O

Copies of, Welland Ship Canal, etc. 54

Copies of, General Housing Scheme for B.C. 53a

Copies of, General Housing Scheme for B.C. 53

Copies of, Cancellation of Sections of Canada Defence Order, 1917. 52c

Copies of, Separation Allowances, Canadian Naval Service, Defence of Canada, and War Badges, etc. 52a

Copies of, Regulations re Coal and Lignite, Industrial Coal, Fuel Controller. 51a

Copies of, War Trade Board, etc. 51

Copies of, Royal Northwest Mounted Police. 49a

Copies of, Establishing Canadian Trade Mission in London. 75

Copies of, Certificates of Masters and Mates. 42

Copies of, Issue of War Badges. 52e

"Ottawa Citizen," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918. 220

"Ottawa Citizen," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918. 220a

"Ottawa Journal," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918. 218

"Ottawa Journal," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918. 218b

"Ottawa Journal," Amounts paid to, in years 1914, 1915, 1916, 1917 and 1918. 218a

Ottawa Improvement Commission, Report of, for 1918. 90

Overseas Military Forces, Report of Ministry of 1918. 255

P

Pearson, Papers re Parole or pardon of Prince Edward Island Ry., Claims against, for breakage and pilferage on, in 1917. 136

Printing and Stationery, Report by Committee of Experts to investigate, etc. 117

Printing and Stationery, Report of Department of, 1918. 32

Private Cars, Documents re Government Private, etc. 261

Progress Reports, Medical Services, Overseas Military Services. 299

Paper Control, Papers re Paper Control Tribunal, establishment of, etc. 76

Palm Olive Co., re Amount of soap purchased by Government in 1917 and 1918. 209

Parliament Buildings, Copies of contracts respecting. 258

Penitentiary, Portsmouth, Papers referring to. 144

Perry, Commissioner of Royal North West Mounted Police, re resignation of. 148

Pensions, Orders in Council respecting. 122

Pensions Commissioner, re appointments to, by Civil Service Commissioners. 271

Pensions, Number of, granted, year 1918, and number of, refused, 1918. 308

Pension Commissioner, re appointments to Staff of, by Civil Service Commission. 271a

Pilotage Districts of Vancouver, Victoria, Nanaimo and New Westminster, Report on. 105

Pilotage Districts of Miramichi, Sydney, Louisburg, Halifax, St. John, Montreal and Quebec, Report on. 104

P

Plenipotentiaries at Peace Conference for Canada, Documents <i>re</i> Appointment of	188
Pollution of Boundary Waters Reference, Report of Commission on	102
Population of Western Provinces, and Cities of Victoria, Vancouver, Calgary, Edmonton, Regina, Saskatoon, Brandon and Winnipeg	198
Post Hawkesbury, Appointment of a postmaster at, during years 1918-1919.	225
Portsmouth Penitentiary, <i>re</i> Private Custom work done at	144
Post Offices at Victoria, Vancouver, Regina, Edmonton, Winnipeg, Toronto, Ottawa, Hamilton, Montreal Quebec, Fredericton and Halifax	214
Postmaster General, Report of, 1918 . .	24
Potatoes, <i>re</i> Claims and claimants on account of shipments of frozen potatoes on P.E.I. Ry.	137
Power Sub-Committee of the Cabinet . .	74
<i>Princess Sophia</i> , Steamer, Report of, of Commissioner <i>re</i> Wreck of	201
Public Accounts of Canada, year 1918 . .	2
Public Land, Return showing number of acres given to, by Government from 1878 to present time	241
Public Terminal Elevators, Documents <i>re</i> audit of	203
Public Debt of Canada, Results obtained through last National Loan	167
Public Information, Instructions given to Director of	152
Public Information, Department of, Names of all persons employed in, etc. . .	50b
Public Information, Department of, Duties and Cost of	50a
Public Information, Department of, Extension of scope of, and appointment of Dr. Geo. H. Locke	50
Public Works, Department of, Report of year 1918	19
Pulp and Paper Inquiry by R. A. Pringle, Documents <i>re</i>	196

Q

Quebec City, <i>re</i> Soldiers' Civil Re-establishment, Staff at	216
Quebec Bridge, Engineering data on construction	58
Quebec and Lake St. John Railway, Papers <i>re</i> acquisition of, by Govt. . . .	274a
Quebec and Lake St. John Railway, papers <i>re</i> proposed acquisition of minority stock	272
Quebec and Lake St. John Railway, papers <i>re</i> proposed acquisition of minority stock	272a
Quebec and Lake St. John Railway, papers <i>re</i> proposed acquisition of minority stock	272b

R

Radiotelegraph Regulations, Licenses for Amateur Stations	52f
Radiotelegraph Regulations, Private Commercial Licenses	52c
Railways:—	
Report of Board of Railway Commissioners, 1918	20c
Report of Department of Railways and Canals for 1917-1918	20
Railway Statistics of Canada, for 1918	20b

R

<i>Rafuse, J. M.</i> , and <i>W. F. Davidson</i> , vessels; <i>re</i> discharging of cargoes of, in 1918	194
Recruiting, Number of men recruited in Canada in War, men and women, number of	264
Registration Board of Canada, Report of	181
Remissions and Refunds in Tolls and Duties	127
Rents, Department Public Works, chargeable to War Appropriation	291
Repatriation Committee, <i>re</i> work in connection with	156
Retaining Wall, Construction of, on shore of St. Lawrence River, County of Champlain	320
Returning Officers, Deputies, etc., Names and addresses of, for counties of L'Assomption and Montcalm	176
Roumania, Kingdom of, <i>re</i> establishing credits for, in Canada	187
Royal Northwest Mounted Police, Order in Council respecting	49a
Royal Northwest Mounted Police, Statement showing appropriation account . .	49
Royal Northwest Mounted Police, Report of, for year 1918	28
Royal Northwest Mounted Police, Report for year 1918	28
Royal Society of Canada, Statement of	86
Rules of Supreme Court of Canada, General Order amending same	80
Russian Roubles, <i>re</i> import and export of	63

S

Sevigny, Hon. Albert, Correspondence between, and Director General of Government Railways <i>re</i> J. W. Boivin . .	135
Sevigny, Hon. Albert, respecting number of cases employed on representing Government	297
St. Lawrence River Power Co., Order of International Joint Commission <i>re</i> . .	230
St. Lawrence River Power Co., Order in Council respecting	230
St. Lawrence River, Interim Order and Opinion of International Joint Commission, in the matter of	230
St. Lawrence River, Interim Order, Opinions of, and Hearings before International Joint Commission, in the matter of	230a
St. Mary and Milk Rivers, Order of the International Joint Commission <i>re</i> waters of	231
St. Martins and Upham Ry. Co., Copy of agreement between same, and the Govt.	107
St. Maurice River, <i>re</i> construction of a dam across, etc.	314
St. Maurice River, <i>re</i> construction of piers, booms, etc., on	315
St. Peter's Indian Reserve, Copy of leases granted to C. Bird, J. Jonnason, R. S. Benson and R. Henrickson, 1918 . . .	256
Sea View, P.E.I., <i>re</i> opening and closing of Post Office at	309
Secretary of State for Canada, Report of, year 1918	29
Secretary of State for External Affairs, Report of, year 1918	33
Secretary of State, Copies of Orders in Council respecting	111

S	T		
Securities and Shares, Repealing restrictions on	64	"Toronto Star," Amount paid by Government years 1914, 1915, 1916, 1917 and 1918.	227
Scientific and Industrial Research, Honorary Advisory Council of, Expenditure of.	200	"Toronto World," Amount paid by Government years 1914, 1915, 1916, 1917 and 1918.	221
Scientific and Industrial Research, Report of Chairman for year ending March 31, 1919.	318	"Toronto World," Amount paid by Government years 1914, 1915, 1916, 1917 and 1918.	221a
Shell Transport and Trading Co., Correspondence, etc., <i>re</i>	254	"Toronto Mail and Empire," Amounts paid to, by Government in years 1914, 1915, 1916, 1917 and 1918.	226
Siberia, Number of Canadian Soldiers who enlisted for service there, now in the country.	204	"Toronto Mail and Empire," Amounts paid to, by Government in years 1914, 1915, 1916, 1917 and 1918.	226a
Sick Mariners Fund, Statement of Fees received, year 1917-1918.	45	Trade and Commerce:—	
Soldier Settlers, <i>re</i> allowance paid to, for agricultural training.	205	Annual Report of Trade and Commerce for fiscal year ending March 31, 1919.	10
Soldier Settlers, <i>re</i> allowance paid to, for agricultural training.	205a	Report of Department of, <i>re</i> Steamship Subventions, 1918.	10a
Soldiers' Votes in War Times Election Act.	247	Trade of Canada, Imports and Exports.	10b
Soldiers, Canadian, Number of, who enlisted for service in Siberia.	204	Transmission, Report of, <i>re</i> the Classification of Civil Service.	294a
Soldiers Civil Re-establishment, Order in Council, respecting pay, etc.	121	Trawler <i>Vimy</i> , Cost, duties, and time of service of, 1918.	274
Soldiers' Civil Re-establishment, Report of work of Department of, to June, 1918.	118	Treasury Board, over-ruling, Statement of.	91
Soldiers' Civil Re-establishment, Relating to name and appointment of Deputy Minister of.	263	Treaty between Great Britain and United States <i>re</i> conscription of British subjects in United States, etc.	130
Spence, Mr. Ben. H., Papers <i>re</i> prosecution of.	260	Tremaine, H. B., M.P., <i>re</i> employment in Military Forces of Canada.	278
<i>Stadacona</i> Steamer, Report respecting.	265	V	
Starch Manufacturers of P.E.I., Documents, <i>re</i>	206	Veterinary Director General, Report of, year 1918.	15b
Steamer Service between Montreal, Quebec and harbours of Gaspé.	149	Victory Loan, Documents relating to, etc.	174b
Submarines, Papers <i>re</i> gift of, to Dominion Government.	116	Victory Loan, <i>re</i> Firms or Brokers connected with, in Province of Quebec.	174a
Superannuation and Retiring Allowances, Statement <i>re</i>	83	Victory Loan, <i>re</i> Firms or Canvassers in South East Grey and Toronto Firms.	174
T		Victory Loan, <i>re</i> Cost of advertising and printing in connection with loans of 1917-1918, amounts paid in commissions and total cost of campaigns for said years.	168
Telegraph Statistics for year 1918.	20f	Victory Loan Campaign in Prince Edward Co., Ont., expenses connected with.	160
Telephone Statistics for years 1917-1918.	20d	Victory Loan, <i>re</i> Item Composition, Stereotype mats at, shipping charges, etc.	129
Temporary Loans, Statement of.	89	Vocational Training, <i>re</i> Director of, etc.	171
Thomas, Mrs. W., Documents <i>re</i> notice served on, <i>re</i> vacation of residence.	238	W	
Topical Films, Amount paid by Government for, etc.	300	Wage increase on Canadian Railways, increase in freight rate, etc.	59
Toronto Harbour, Amount expended on, since Confederation, etc.	145	War Badges in Naval Service, Order in Council <i>re</i>	62g
"Toronto News," Amount paid by Government to, in years 1914, 1915, 1916, 1917 and 1918.	243	War Badges, Order in Council respecting issue of.	52e
"Toronto News," Amount paid by Government to, in years 1914, 1915, 1916, 1917 and 1918.	243a	War Bonus, when distributed, amounts paid, etc.	316
"Toronto Globe," Amount paid by Government to, year ending March 26, 1919.	252	War Bonus to Officers and Men of Canadian Navy, Order in Council respecting.	52i
"Toronto Globe," Amount paid by Government to, year ending 1919.	252a	Welland Ship Canal, Copies of contracts between Government and.	54a
"Toronto Globe," Amount paid by Government to, years 1914, 1915, 1916, 1917 and 1918.	244a	War Purchasing Commission, Third Report of, 1918-1919.	306
"Toronto Star," Amount paid by Government year ending March 26, 1919.	252	War Trade Board, Report of, from February, 1918, to March, 1919.	269
"Toronto Star," Amount paid by Government years 1914, 1915, 1916, 1917 and 1918.	227a	Welland Ship Canal, Order in Council respecting.	54

W

Wharfage Collections for years 1917-1918... 82

Wharves, Piers and Breakwaters, Leases of, by the Government... 43

Wilson, J. S., Registrar for South Grey, *re* Dominion Registration, 1918... 190

"Winnipeg Telegram," Amounts paid to, by the Government, for years 1914, 1915, 1916, 1917 and 1918... 210a

W

Wireless Equipment in Steamers built for Government... 280

Y

York and Carleton Railway Co., Copy of agreement between, and Govt... 108

Yukon Telegraph Line, Documents *re* supplies purchased for 1918-1919... 313

Yukon Ordinances of year 1918... 323

LIST OF SESSIONAL PAPERS

Arranged in Numerical Order, with their titles at full length; the dates when Ordered and when presented to the Houses of Parliament; the Names of the Senator or Member who moved for each Sessional Paper, and whether it is ordered to be Printed or not Printed. Also those printed but not presented.

CONTENTS OF VOLUME 1.

(This volume is bound in three parts.)

1. Report of the Auditor General for the year ending 31st March, 1918, Volume III, parts V. to Z. Presented by Sir Thomas White, March 10, 1919.
Printed for distribution and sessional papers.
- Report of the Auditor General for the year ended 31st March, 1918, Volume II, Parts L to U. Presented by Sir Thomas White, March 26, 1919.
Printed for distribution and sessional papers.
- Report of the Auditor General for the year ended 31st March, 1918, Volume I, Parts a, b and A. to K. Presented by Sir Thomas White, March 28, 1919.
Printed for distribution and sessional papers.
- Report of the Auditor General for the year ended 31st March, 1918, Volume IV, Part ZZ. Presented by Sir Thomas White, April 22, 1919.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 2.

(This volume is bound in two parts.)

2. The Public Accounts of Canada, for the fiscal year ended 31st March, 1918. Presented by Sir Thomas White, March 3, 1919.*Printed for distribution and sessional papers.*
3. Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1920, and, in accordance with the provisions of "The British North America Act, 1867." Presented by Sir Thomas White, March 18, 1919.
Printed for distribution and sessional papers.
4. Supplementary Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1919, and, in accordance with the provisions of "The British North America Act, 1867." Presented by Sir Thomas White, May 7, 1919.
Printed for distribution and sessional papers.
- 4a. Supplementary Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1920. Presented by Sir Thomas White, March 31, 1919.
Printed for distribution and sessional papers.
- 5a. Further Supplementary Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1920. Presented by Sir Thomas White, July 3, 1919.
Printed for distribution and sessional papers.
- 5b. Further Supplementary Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1920. Presented by Sir Thomas White, July 5, 1919.
Printed for distribution and sessional papers.
- 5c. Further Supplementary Estimates of sums required for the service of the Dominion for the year ending on the 31st March, 1912.
Printed for distribution and sessional papers.
8. Report of the Superintendent of Insurance for the year 1918—Vols. I and II.
Printed for distribution and sessional papers.
9. Abstract of Statements of Insurance Companies in Canada for the year ended 31st December, 1918. (Subject to corrections.) Presented by Hon. Mr. Maclean, June 23, 1919.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 3.

- 10.** Annual Report of the Department of Trade and Commerce, for the fiscal year ending 31st March, 1919. Presented by Hon. Mr. Burrell, July 4, 1919.
Printed for distribution and sessional papers.
- 10a.** Report relating to Mail Subsidies and Steamship Subventions as controlled by the Department of Trade and Commerce, for the fiscal year ending 31st March, 1918, with traffic returns, etc., to 31st December, 1918. Presented by Hon. Mr. Maclean, May 8, 1919.
Printed for distribution and sessional papers.
- 10b.** Annual Report of the Trade of Canada (imports for consumption and exports), for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Maclean, May 28, 1919.
Printed for distribution and sessional papers.
- 10c.** Grain Commissioners of Canada, year ending March 31, 1918.
Printed for distribution and sessional papers.
- 10d.** Criminal Statistics for year ended September, 1918.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 4.

- 11.** Trade Report of the Department of Customs containing the tables and statements of Imports and Exports of the Dominion of Canada for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Reid, March 18, 1919.
Printed for distribution and sessional papers.
- 11a.** Shipping Report of the Department of Customs, containing the statements of Navigation and Shipping of the Dominion of Canada, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Reid, March 25, 1919.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 5.

- 12.** Reports, Returns and Statistics of the Inland Revenue of the Dominion of Canada, for the year ending 31st March, 1918.—Part I.—Excise. Presented by Hon. Mr. Reid, March 18, 1919.
Printed for distribution and sessional papers.
- 13.** Inland Revenue, Annual Report, Part II—Weights and Measures, Gas and Electricity.
Printed for distribution and sessional papers.
- 14.** Inland Revenue, Annual Report, Part III—Adulteration of Food.
Printed for distribution and sessional papers.
- 15.** Report of the Minister of Agriculture for the Dominion of Canada, for the year ending 31st March, 1918. Presented by Hon. Mr. Crerar, February 28, 1919.
Printed for distribution and sessional papers.
- 15a.** The Agricultural Instruction Act, 1917-18, pursuant to section 8, chapter 5 of 3-4 George V. Presented by Hon. Mr. Crerar, February 28, 1919.
Printed for distribution and sessional papers.
- 15b.** Report of the Veterinary Director General for the year ending March 31, 1918. Presented by Hon. Mr. Carvell, July 5, 1919.
Printed for distribution and sessional papers.
- 16.** Report of the Dominion Experimental Farms for the fiscal year ending 31st March, 1918.—Appendix to the Report of the Minister of Agriculture. Presented by Hon. Mr. Crerar, February 28, 1919.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 6.

- 17.** Report of the Census of Industry, 1917. Part I, Agricultural Statistics. Presented by Hon. Mr. Carvell, March 18, 1919.
Printed for distribution and sessional papers.
- 17a.** Report of the Census of Industry, 1917—Part II. Dairying.
Printed for distribution and sessional papers.
- 17b.** Report of the Census of Industry, 1917—Part III. Fisheries Statistics.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 6—Continued.

- 17c.** Report of the Census of Industry, 1917—Part IV, Section 4, Pulp and Paper. Presented by Hon. Mr. Maclean, April 24, 1919. . . . *Printed for distribution and sessional papers.*
- 17c.** (1) Report of the Census of Industry, 1917, Part IV—Forestry—Lumber, Laths and Shingles. *Printed for distribution and sessional papers.*
- 17c.** (3) Report of the Census of Industry, 1917—Part IV—Forestry—Sash and Doors, Planing Mills, etc. *Printed for distribution and sessional papers.*
- 17c.** (4) Report of the Census of Industry, 1917, Part IV—Forestry—Pulp and Paper. *Printed for distribution and sessional papers.*
- 17c.** (5) Report of the Census of Industry, 1917, Part IV—Forestry—Wood Distillation. *Printed for distribution and sessional papers.*

CONTENTS OF VOLUME 7.

- 18.** Annual Report of the Department of Immigration and Colonization, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Calder, February 28, 1919. *Printed for distribution and sessional papers.*
- 19.** Report of the Minister of Public Works on the works under his control, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Carvell, February 26, 1919. *Printed for distribution and sessional papers.*
- 20.** Annual Report of the Department of Railways and Canals, for the fiscal year from 1st April, 1917, to 31st March, 1918. Presented by Hon. Mr. Reid, March 26, 1919. *Printed for distribution and sessional papers.*
- 20a.** Canal Statistics for the season of navigation, 1918. Presented by Hon. Mr. Reid, May 30, 1919. *Printed for distribution and sessional papers.*
- 20b.** Railway Statistics of the Dominion of Canada, for the year ending 30th June, 1918. Presented by Hon. Mr. Reid, May 30, 1919. . . . *Printed for distribution and sessional papers.*
- 20c.** Thirteenth Report of the Board of Railway Commissioners for Canada, for the year ending 31st March, 1918. Presented by Hon. Mr. Reid, February 27, 1919. *Printed for distribution and sessional papers.*
- 20d.** Telephone Statistics of the Dominion of Canada, for the year ending 30th June, 1918. Presented by Hon. Mr. Reid, April 24, 1919. *Not printed.*
- 20e.** Express Statistics of the Dominion of Canada, for the years ended June 30, 1917 and 1918. Presented by Hon. Mr. Reid, April 24, 1919. . . . *Not printed.*
- 20f.** Telegraph Statistics of the Dominion of Canada, for the years ending June 30, 1917 and 1918. Presented by Hon. Mr. Reid, April 24, 1919. *Not printed.*

CONTENTS OF VOLUME 8.

- 21.** Fifty-first Annual Report of the Department of Marine and Fisheries, for the year 1917-18—Marine. Presented by Hon. Mr. Maclean, February 26, 1919. *Printed for distribution and sessional papers.*
- 22.** List of Shipping issued by the Department of Marine and Fisheries, as on the 31st December, 1918. Presented by Hon. Mr. Ballantyne, June 16, 1919. *Printed for distribution and sessional papers.*
- 23.** Supplement to the Fifty-first Annual Report of the Department of Marine and Fisheries, for the fiscal year 1917-18 (Marine)—Steamboat Inspection Report. Presented by Hon. Mr. Ballantyne, May 13, 1919. *Printed for distribution and sessional papers.*
- 24.** Report of the Postmaster General, for the year ending 31st March, 1918. Presented by Hon. Mr. Rowell, February 26, 1919. . . . *Printed for distribution and sessional papers.*
- 25.** Annual Report of the Department of the Interior, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Meighen, March 4, 1919. *Printed for distribution and sessional papers.*
- 26.** Summary Report of the Geological Survey, Department of Mines, for the calendar year 1918. Presented by Hon. Mr. Maclean, March 28, 1919. *Printed for distribution and sessional papers.*
- 26a.** Summary Report of the Mines Branch of the Department of Mines, for the calendar year, 1918. *Printed for distribution and sessional papers.*

CONTENTS OF VOLUME 9.

27. Report of the Department of Indian Affairs, for the year ending 31st March, 1918. Presented by Hon. Mr. Meighen, March 6, 1919.
Printed for distribution and sessional papers.
28. Report of the Royal Northwest Mounted Police, for the year ending 30th September, 1918. Presented by Hon. Mr. Rowell, June 16, 1919.
Printed for distribution and sessional papers.
29. Report of the Secretary of State of Canada, for the year ending 31st March, 1918. Presented by Hon. Mr. Burrell, March 3, 1919.
Printed for distribution and sessional papers.
- 29a. Canadian Archives, for year ended December 31, 1918.
Printed for distribution and sessional papers.
30. The Civil Service List of Canada, 1918. Presented by Hon. Mr. Burrell, March 12, 1919.
Printed for distribution and sessional papers.

CONTENTS OF VOLUME 10.

31. Tenth Annual Report of the Civil Service Commission of Canada, for the year ending 31st August, 1918. Presented by Hon. Mr. Burrell, April 7, 1919.
Printed for distribution and sessional papers.
32. Annual Report of the Department of Public Printing and Stationery, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Maclean, April 10, 1919.
Printed for distribution and sessional papers.
33. Report of the Secretary of State for External Affairs, for the year ending 31st March, 1918. Presented by Hon. Mr. Rowell, April 9, 1919.
Printed for distribution and sessional papers.
34. Report of the Minister of Justice as to Penitentiaries, for fiscal year ending March 31, 1918.
Printed for distribution and sessional papers.
35. Report of the Militia Council for the Dominion of Canada, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Mewburn, February 26, 1919.
Printed for distribution and sessional papers.
36. Report of the Department of Labour, for the fiscal year ending 31st March, 1918. Presented by Sir Thomas White, May 26, 1919.
Printed for distribution and sessional papers.
37. Annual Report of the Editorial Committee on Governmental Publications, dated 1st March, 1919. Presented by Hon. Mr. Maclean, April 16, 1919.
Printed for distribution and sessional papers.
38. Report of the Department of the Naval Service, for the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Maclean, February 28, 1919.
Printed for distribution and sessional papers.
39. Fifty-first Annual Report of the Fisheries Branch of the Department of the Naval Service, 1918. Presented by Hon. Mr. Maclean, February 28, 1919.
Printed for distribution and sessional papers.
40. Report of the Joint Librarians of Parliament. Presented by Hon. Mr. Speaker, February 20, 1919.*Not printed.*
41. Communication received by the Clerk of the House conveying to the House of Commons of Canada a resolution adopted by the Constitutional Congress of the Republic of Costa Rica setting forth the joy of the people of Costa Rica upon the termination of the war and the triumph of the allied arms. Presented by Hon. Mr. Speaker, 1919.
Not printed.
42. Copy of Order in Council, P.C. 1891, dated 14th August, 1918, re Regulations relative to the certificates of Masters and Mates.—(*The Senate.*)*Not printed.*
43. Statement of the leases of wharves, piers or breakwaters, under the control of the Minister of Marine and Fisheries, and on the conditions of these leases as issued under Chapter 17 of the Statutes of 1909, by the said minister.—(*The Senate.*)*Not printed.*
44. Statement of harbour dues collected during the fiscal year 1917-18, in accordance with the provisions of Section 859 of Chapter 113, of the Revised Statutes of Canada, 1906.—(*The Senate.*)*Not printed.*

CONTENTS OF VOLUME 10—*Continued.*

45. Statement of fees received on account of Sick Mariners' Fund during the fiscal year 1917-18, in accordance with the provisions of Section 387 of Chapter 113, of the Revised Statutes of Canada, 1906.—(*The Senate.*) *Not printed.*
46. Copies of General Orders promulgated to the Militia for the period between 1st January, 1918, and 2nd February, 1919. Presented by Hon. Mr. Mewburn, February 26, 1919. *Not printed.*
47. Copies of all Routine Orders of the Canadian Expeditionary Force promulgated from 2nd January, 1918, to 22nd February, 1919. Presented by Hon. Mr. Mewburn, February 26, 1919. *Not printed.*
48. Copy of a despatch from the Right Hon. the Secretary of State for the Colonies to His Excellency the Governor General, transmitting copies of a parliamentary paper containing extracts from the minutes of the proceedings of the Imperial War Conference, 1918, and papers laid before the conference. Presented by Hon. Mr. Rowell, February 26, 1919. *Not printed.*
49. Statement showing appropriation account of the Royal Northwest Mounted Police, 1917-18, in accordance with Chapter 91, Section 27, of the Revised Statutes. Presented by Hon. Mr. Rowell, February 26, 1919. *Not printed.*
- 49a. Copy of Orders in Council, as follows:—
P.C. 1287, dated 25th May, 1918,—Leave of absence for members of the force overseas.
P.C. 2213, dated 7th October, 1918,—Prohibiting members of the Royal Northwest Mounted Police from becoming associated with any trades union organization.
P.C. 3076, dated 12th December, 1918,—Increasing the force of the Northwest Mounted Police to its authorized strength of 1,200, etc.
P.C. 3175, dated 24th December, 1918,—Increased pay to non-commissioned officers and men of the Royal Northwest Mounted Police.
P.C. 159, dated 27th January, 1919,—Transfer of the control of the registration of alien enemies for the provinces of Manitoba, British Columbia, Saskatchewan, Alberta, and that part of Ontario in Military District No. 10. Presented by Hon. Mr. Rowell, February 28, 1919. *Not printed.*
50. Copies of Orders in Council, as follows:—
P.C. 2206, dated 12th September, 1918,—Extension of scope of Department of Public Information.
P.C. 2208, dated 12th September, 1918,—Appointment of Dr. George H. Locke as Associate Director of Public Information. Presented by Hon. Mr. Rowell, February 26, 1919. *Not printed.*
- 50a. Return to an Order of the House of the 24th March, 1919, for a return showing:—1. The duties of the Department of Public Information. 2. What publication it issues. 3. The annual cost of the department. 4. The names of the men employed, their former occupations and present salaries. 5. The number of newspaper men employed by the said department. Presented March 31, 1919.—*Mr. Pedlow.* *Not printed.*
- 50b. Return to an Order of the House of the 19th March, 1919, for a return showing the names of all persons employed up to 1st March, 1919, in the Department of Public Information, the class of work each person is doing, the salary or wages paid, the living or other expenses paid, and the former occupation of each person, along with a statement showing what other work, if any, said person was employed in. Presented April 1, 1919.—*Mr. Proulx.* *Not printed.*
51. Copies of Orders in Council passed since last session of parliament in respect to emergency legislation, as follows:—
P.C. 1187, dated 18th May, 1918.—Requests War Trade Board to communicate with responsible persons with a view to increasing the production of pig-iron in Canada on the basis of a government guarantee for the purchase of the product for a series of years and to report.
P.C. 1507, dated 15th June, 1918,—Prohibits exportation of leather except under license.
P.C. 1525, dated 22nd June, 1918,—Authorizes War Trade Board to negotiate with a responsible company from British Columbia to be formed, to establish a blast furnace and manufacture pig-iron.
P.C. 1798, dated 27th July, 1918,—Approves regulations amending the regulations of the 15th March, 1918, respecting the price of coal and importation, etc. thereof, as to method of calculating overhead charges to determine the cost price of coal, etc.
P.C. 2022, dated 16th August, 1918,—Authorizes Fuel Controller to make regulations subject to the approval of the Governor General in Council governing the price of gasoline and fuel oil and the production, distribution, sale, etc., thereof, and to make any necessary investigation.

CONTENTS OF VOLUME 10—Continued.

P.C. 2095, dated 3rd September, 1918,—Empowers War Trade Board to control and regulate the production and distribution of iron and steel and the products thereof, and to make orders to increase the production thereof and if necessary to place government orders or give assistance subject to the approval of the Governor in Council.

P.C. 2136, dated 3rd September, 1918,—Authorizes bounties on linen yarns spun in Canada from Canadian flax in the three years beginning 1st April, 1919, and ending 31st March, 1922.

P.C. 2153, dated 5th September, 1918,—Further amends the Order in Council of the 11th June, 1917, creating and giving powers to the Board of Grain Supervisors.

P.C. 2370, dated 2nd October, 1918,—Approved regulations as to gasolene respecting permits to dealers and retail prices and prohibiting retail sale on Sunday.

P.C. 2483, dated 9th October, 1918,—Approves regulations and agreement submitted by Board of Grain Supervisors respecting chartering and marine insurance on grains until the close of navigation. Presented by Hon. Mr. Maclean, February 26, 1919.*Not printed.*

51a. Orders in Council:—

P.C. 2158, dated the 6th September, 1918,—Making regulations governing inspection of bituminous coal and lignite in Canada.

P.C. 2228, dated the 12th September, 1918,—Making regulations governing the distribution of industrial coal in Canada.

P.C. 2268, dated the 13th September, 1918,—Extending the powers of the Fuel Controller.

P.C. 3004, dated the 5th December, 1918,—Amending and consolidating regulations made by the Fuel Controller.

P.C. 3037, dated the 24th December, 1918,—Authorizing inquiries into the project of obtaining increased production of coal in the province of Nova Scotia.

P.C. 1690, dated the 12th July, 1918,—Contract between the Government and the Midland Iron and Steel Company.

P.C. 1712, dated the 18th July, 1918,—Contract between the Government and the Parry Sound Iron Company.

P.C. 122, dated the 17th January, 1919,—Authorizing certain payments on the production of pig-iron.

P.C. 399, dated the 24th February, 1919,—Authorizing certain payments to be made on the production of malleable iron.

P.C. 2058, dated the 22nd August, 1918,—Arrangements for the financing of the importations of New Zealand and Australian wool.

P.C. 3010, dated the 6th December, 1919,—Constituting the Canadian Trade Commission.

P.C. 2734, dated the 7th November, 1918,—Constituting the London Trade Mission.

P.C. 2595, dated the 21st October, 1918,—Constituting the economic commission to Siberia.

P.C. 344, dated the 20th February, 1919,—With respect to the arrangements entered into with the Siberian Supply Company. Presented by Hon. Mr. Maclean, February 3, 1919.*Not printed.*

52. Copies of Orders in Council, as follows:—

P.C. 81-1380, dated 3rd June, 1918. Allowance in lieu of medical allowance.

P.C. 86-1513, 20th June, 1918. Rates of pay.

P.C. 1575, 2nd July, 1918. Increases in pay.

P.C. 2225, 12th September, 1918. Allowances for accountant officers of depot ships.

P.C. 2707, 6th November, 1918. Rates of pay, R.C.N.S.

P.C. 2893, 23rd November, 1918. Provisional allowance.

P.C. 1313, 3rd June, 1918. Amendment Defence of Canada Order.

P.C. 1075, 6th June, 1918. Amendment Defence of Canada Order.

P.C. 2275, 13th September, 1918. Amendment Defence of Canada Order.

P.C. 2626, 26th October, 1918. Issue of war badges.

P.C. 2868, 21st November, 1918. Separation allowance.

P.C. 269, 9th February, 1919. Issue of war badges. Presented by Hon. Mr. Ballantyne, February, 1919.*Not printed.*

52a. Copy of Orders in Council:—

P.C. 1313, dated 3rd June, 1918,—Amendment, Defence of Canada Order.

P.C. 1075, dated 6th June, 1918,—Amendment, Defence of Canada Order.

P.C. 2257, dated 13th September, 1918,—Amendment, Defence of Canada Order.

P.C. 2626, dated 26th October, 1918,—Issue of war badges.

P.C. 2868, dated 21st November, 1918,—Separation allowance.

P.C. 269, dated 9th February, 1919,—Issue of war badges.

P.C. 81-1380, dated 3rd June, 1918,—Allowance in lieu of medical allowance.

P.C. 86-1513, dated 20th June, 1918,—Rates of pay.

P.C. 1575, dated 2nd July, 1918,—Increase in pay.

P.C. 2225, dated 12th September, 1918,—Allowances for accountant officers of depot ships.

CONTENTS OF VOLUME 10—Continued.

- P.C. 2707, dated 6th November, 1918,—Rates of pay, R.C.N.S.
P.C. 2893, dated 23rd November, 1918,—Provisional allowance. Presented by Hon. Mr. Maclean, February 28, 1919. *Not printed.*
- 52b.** Copy of Order in Council, P.C. 565, dated 14th March, 1919: Separation allowances in Canadian Naval Service. Presented by Hon. Mr. Maclean, March 20, 1919. *Not printed.*
- 52c.** Copy of an Order in Council, P.C. 589, dated the 19th March, 1919,—Cancellation of certain sections of the Defence of Canada Order, 1917. Presented by Hon. Mr. Maclean, March 27, 1919. *Not printed.*
- 52d.** Copy of Order in Council P.C. 778, dated 9th April, 1919, *re* uniform allowance to nursing sisters of the Royal Canadian Navy. Presented by Hon. Mr. Maclean, April 16, 1919. *Not printed.*
- 52e.** Amendments to Radiotelegraph Regulations: Private Commercial Licenses. Emergency Certificates. Presented by Hon. Mr. Ballantyne, May 1, 1919. *Not printed.*
- 52f.** Radiotelegraph Regulations:—Issue of licenses for amateur stations. Fees for examinations for Emergency Certificates for Proficiency. Presented by Hon. Mr. Ballantyne, May 6, 1919. *Not printed.*
- 52g.** Copy of Order in Council, P.C. 1038, dated 19th May, 1919, respecting the Department of the Naval Service: Issue of war badges. Presented by Hon. Mr. Ballantyne, May 27, 1919. *Not printed.*
- 52h.** Order in Council P.C. 1172, dated 6th June, 1919, respecting issue of war badges.—(*The Senate.*) *Not printed.*
- 52i.** Copy of Order in Council, P.C. 1222, dated 14th June, 1919, respecting war bonus to officers and men in the Canadian navy. Presented by Hon. Mr. Ballantyne, July 2, 1919. *Not printed.*
- 53.** Copies of Orders in Council respecting housing: P.C. 2997, dated 3rd December, 1918, P.C. 3067, dated 12th December, 1918. P.C. 374, dated 20th February, 1919. Presented by Hon. Mr. Rowell, February 27, 1919. *Not printed.*
- 53a.** Copy of Order in Council, P.C. 907, dated 1st May, 1919, approving of the General Housing Scheme of the Province of British Columbia. Presented by Hon. Mr. Rowell, May 6, 1919. *Not printed.*
- 53b.** Copy of Order in Council, P.C. 1130, dated 29th May, 1919, approving of the General Scheme of Housing of the Province of Quebec. Presented by Hon. Mr. Rowell, June 2, 1919. *Not printed.*
- 53c.** Copy of Order in Council, P.C. 1201, dated 11th June, 1919, approving General Scheme of Housing of the Province of Manitoba. Presented by Hon. Mr. Rowell, June 13, 1919. *Not printed.*
- 53d.** Copy of Order in Council, P.C. 1266, dated 23rd June, 1919, approving the General Scheme of Housing of the Province of New Brunswick. Presented by Hon. Mr. Rowell, June 24, 1919.
- 54.** P.C. 3176, dated 24th December, 1918,—Resumption of work upon those sections of the Welland Ship Canal which had been already commenced and partly completed on a percentage basis.
P.C. 3036,—Welland Ship Canal; authorizing resumption of work thereon.
P.C. 3190, dated 27th December, 1918,—Amendment of Order in Council, P.C. 3176, dated 24th December, 1918,—Welland canal contracts with firm of which Senator M. J. O'Brien was formerly a member. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*
- 54a.** Copies of contracts between His Majesty the King and the Dominion Dredging Company, Limited; Baldry, Yerburch and Hutchison, Limited; Doheny, Quinlan and Robertson; and Canadian Dredging Company, Limited, dated 17th January, 1919, in respect to the carrying on of certain work in connection with the Welland Ship Canal. Presented by Hon. Mr. Reid, April 23, 1919. *Not printed.*
- 55.** P.C. 3000, dated 5th December, 1918,—Improvement of highways, and appointment of Mr. A. W. Campbell, M. Can. Soc. C.E., in connection therewith. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*
- 56.** P.C. 3083, dated 19th December, 1918,—Resumption of work on the Severn Division of the Trent canal; agreement with the York Construction Company on a percentage basis.
P.C. 3084, dated 19th December, 1918,—Contract with the Randolph MacDonald Company for the construction of Section No. 3 of the Severn Division of the Trent canal on a percentage basis. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*

CONTENTS OF VOLUME 10—Continued.

57. P.C. 2854, dated 20th November, 1918.—Persons composing Board of Directors of the Canadian Northern Railway Company to be from time to time also Board of Management of the Canadian Government Railways.
P.C. 2454, dated 4th October, 1918.—Purchase of balance of capital stock of the Canadian Northern Railway Company.
P.C. 2331, dated 23rd September, 1918.—Acquirement of the Toronto Suburban Railway Company and the Toronto Eastern Railway Company by the Directors of the Canadian Northern Railway Company.
P.C. 3182, dated 27th December, 1918.—Transfer of two wharves (ocean piers Nos. 2 and 3), at Ogden Point, Victoria, B.C., to the control of the Board of Directors of the Canadian Northern Railway.
P.C. 3122, dated 20th December, 1918.—Authorizing the use of the name "Canadian National Railways," in lieu of the names Canadian Northern Railway System and Canadian Government Railways.
P.C. 3120, dated 20th December, 1918.—Equipment requirements for the year 1919, covering the Canadian Northern Railway System and the Canadian Government Railways.
P.C. 3121, dated 20th December, 1918.—Authorizing the directors of the Canadian Northern Railway to incur expenditures for work urgently required on the Canadian Northern Railway or Government Railways System, not to exceed in all ten million dollars.
P.C. 2111, dated 30th August, 1918.—Acquiring branch lines in New Brunswick as feeders to the Government Railway System.
P.C. 182, dated 29th January, 1919.—Government wharf at Vancouver, B.C., removed from the control of the Vancouver Harbour Commissioners to that of the Department of Railways and Canada.
P.C. 1691, dated 5th July, 1918.—Loan to Canadian Northern Railway Company. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*
58. P.C. 117, dated 20th January, 1919.—Engineering data on the construction of the Quebec Bridge to be printed for distribution. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*
59. P.C. 1768, dated 16th July, 1918.—Wage increase on Canadian Railways; increase in freight rates on Canadian Railways. Presented by Hon. Mr. Reid, February 28, 1919. *Not printed.*
60. Report of the Canada Food Board, 1918. Presented by Hon. Mr. Crerar, February 28, 1919. *Not printed.*
61. Regulations under "The Destructive Insect and Pest Act," pursuant to Section 9, Chapter 31 of 9-10 Edward VII. Presented by Hon. Mr. Crerar, February 28, 1919. *Not printed.*
62. Copy of the Judgment and Reasons of the Supreme Court of Canada in the case of George Edwin Gray. *Habeas Corpus* proceedings. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
63. P.C. 113, dated 17th January, 1919.—Prohibiting the import and export of Russian roubles. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
64. P.C. 3188, dated 14th January, 1919.—Repealing restrictions on issue of securities and shares. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
65. P.C. 3208, dated 2nd January, 1919.—Respecting credit to Imperial Government for purchase of timber in Canada. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
66. P.C. 2355, dated 25th September, 1918.—Respecting the National War Savings Committee. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
67. P.C. 2740, dated 7th November, 1918.—Placing potatoes on free list. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
68. P.C. 2089, dated 24th August, 1918.—Prohibiting export of silver. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
69. P.C. 1354, dated 3rd June, 1918.—Prohibiting export of gold. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
70. P.C. 2001, dated 14th August, 1918.—Respecting undertaking with banks in connection with 1918 wheat crop. Presented by Sir Thomas White, February 28, 1918. *Not printed.*
71. P.C. 2058, dated 22nd August, 1918.—Respecting advances for purchase of wool. Presented by Sir Thomas White, February 28, 1919. *Not printed.*
72. P.C. 179, dated 29th January, 1919.—Repatriation of soldiers' dependents. Presented by Sir Thomas White, February 28, 1919. *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 73.** P.C. 2823, dated 15th November, 1918,—Establishment of a sub-committee of Council, dealing with demobilization questions and industrial labour conditions. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 74.** P.C. 2798, dated 15th November, 1918,—Establishing a Power Sub-Committee of the Cabinet. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 75.** P.C. 2734, dated 7th November, 1918,—Establishing the Canadian Trade Mission in London. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 76.** P.C. 2270, dated 16th September, 1919,—Establishment of "The Paper Control Tribunal."
P.C. 2310, dated 19th September, 1918,—Appointment of three judges to be members of "The Paper Control Tribunal."
P.C. 2581, dated 19th October, 1918,—Licenses for export of paper. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 76a.** Copies of Orders in Council respecting the quantity and price of newsprint to be furnished by the manufacturers to the publishers in Canada, from the 7th February, 1917, to 11th November, 1918, inclusive. Presented by Sir Thomas White, July 3, 1919.*Not printed.*
- 77.** P.C. 1222, dated 18th May, 1918,—Amalgamating and combining the Department of Customs and Inland Revenue. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 78.** And also,—Copy of Mr. Justice Hodgins' Report on the *Northland* inquiry. Presented by Sir Thomas White, February 28, 1919.*Not printed.*
- 79.** P.C. 968, dated 25th May, 1918,—Regulations *re* Documents to be carried.
P.C. 1325, dated 29th May, 1918,—Reward for apprehension of deserters.
P.C. 1305, dated 5th June, 1918,—Control of Dominion Police Force transferred to Department of Militia and Defence. Remuneration of members and establishment of Force.
P.C. 1459, dated 12th June, 1918,—Natives of India of unmixed Asiatic descent and their descendants exempt from military service.
P.C. 1490, dated 15th June, 1918,—Amendment to Section 1, Paragraph (a) of 30th April, 1918,—Documents to be carried.
P.C. 1567, dated 22nd June, 1918,—Amendments to Sections 4 and 5, P.C. 919, 20th April, 1918. Cancelling exemption to all members of Class 1 who at the date of the claim for exemption made by or on their behalf gave their ages as 20, 21 or 22.
P.C. 1697, dated 5th July, 1918,—Men whose exemptions were cancelled by virtue of P.C. 919 of 20th April, 1918, to be dealt with as provided by that Order in Council, notwithstanding judgment of Supreme Court of Alberta.
P.C. 1647, dated 12th July, 1918,—Regulation *re* issue of temporary exemption certificate.
P.C. 1795, dated 17th July, 1918,—Hearing by Supreme Court of case of *George Edwin Gray*.
P.C. 1850, dated 27th July, 1918,—Regulation *re* discharge of members of C.E.F. to R.F.C. and R.A.F.
P.C. 1851, dated 27th July, 1918,—Regulation *re* duties of man who becomes resident of Canada after class of which he is a member has been called out.
P.C. 1931, dated 1st August, 1918,—Draft Proclamation *re* amnesty to deserters and defaulters.
P.C. 1906, dated 5th August, 1918,—Penalty for employing, concealing or assisting deserter or absentee without leave, Section 106, Regulations amended.
P.C. 1907, dated 5th August, 1918,—American Convention enforced from July 30, 1918.
P.C. 1953, dated 10th August, 1918,—Regulations *re* 100,000 limit.
P.C. 2044, dated 20th August, 1918,—Regulations of American Convention.
P.C. 2017, dated 3rd September, 1918,—Provision for certain British subjects who are also subjects of Neutral State making declaration of alienage during war. Regulation 11 amended.
P.C. 2138, dated 5th September, 1918,—Regulation amending clause "C," Section 1 of P.C. 1013 of April 30, 1918, in so far as the Provinces of Manitoba, Saskatchewan and Alberta are concerned.
P.C. 2242, dated 13th September, 1918,—Penalty for giving false or misleading information on questionnaire and for failure to return questionnaire within the prescribed time. Section 93 Regulations amended.
P.C. 2243, dated 13th September, 1918,—Penalty for attempting to bribe any person connected with administration of Act.
P.C. 2252, dated 13th September, 1918,—Additional powers conferred on the Chief Commissioner of Dominion Police.

CONTENTS OF VOLUME 10—Continued.

P.C. 2122, dated 19th September, 1918.—Documents to be carried (P.C. 1013 of the 30th April, 1918, P.C. 1226, of the 20th May, 1918, and P.C. 1490 of the 15th June, 1918, amended).

P.C. 2320, dated 19th September, 1918.—Powers conferred on the Chief Commissioner of Dominion Police (P.C. 1852, 27th July, 1918, amended).

P.C. 2410, dated 28th September, 1918.—Regulation re extension of time for laying a complaint for an offence punishable on summary conviction under the authority of the War Measures Act, 1914.

P.C. 2452, dated 4th October, 1918.—Order to report for medical examination (Section 1, paragraph "m" Regulations amended).

P.C. 2453, dated 4th October, 1918.—Sections 81, 82, 106 Regulations amended.

P.C. 2517, dated 11th October, 1918.—Regulations re change of occupation during winter months.

P.C. 2492, dated 12th October, 1918.—Penalty for concealing or assisting deserter or absentee without leave (Regulation 106 amended).

P.C. 2553, dated 17th October, 1918.—The issue under the signature of the Central Appeal Judge or the Clerk to the Central Appeal Judge or the Judge of any Appeal Tribunal of certified copies or certificate as to records, proceedings or decisions in their respective offices and such copies or certificate shall be receivable in evidence.

P.C. 2585, dated 23rd October, 1918.—In case of man who fails to report for duty or for medical examination as ordered by Registrar, certificate of Registrar to be accepted as evidence. P.C. 3168, 9th November, 1917, amended.

P.C. 2586, dated 23rd October, 1918.—Regulation re person who fails to report to the Registrar as required by P.C. 919 of 20th April, 1918, or by the Proclamation of 6th May, 1918, shall be deemed to be a soldier absent without leave from midnight of the last day limited for reporting.

P.C. 2587, dated 23rd October, 1918.—Duty of employer to give certain information. Penalty for failure. P.C. 510, 2nd March, 1918, amended.

P.C. 2588, dated 23rd October, 1918.—Registrar empowered to determine any application for renewal of exemption.

P.C. 2622, dated 25th October, 1918.—Regulations re Mennonites and Doukhobors.

P.C. 2631, dated 26th October, 1918.—Franking privilege extended to the Clerk of the Central Appeal Judge.

P.C. 2632, dated 26th October, 1918.—Penalty for failure to attend to medical examination. Section 104 Regulations amended.

P.C. 2658, dated 30th October, 1918.—Regulations re discharge from C.E.F. to R.F.C. and R.A.F. P.C. 1850, 27th July, 1918, amended.

P.C. 2694, dated 2nd November, 1918.—Regulations re identification of persons excepted from Military Service, etc.

P.C. 2828, dated 15th November, 1918.—Rescinding Order in Council. P.C. 1433, dated 24th May, 1917, re exodus from Canada of persons likely to be affected by the Military Service Act.

P.C. 3051, dated 11th December, 1918.—Discharge of men belonging to Class 1 who could not be usefully employed in the C.E.F. by reason of low category.

P.C. 3090, dated 16th December, 1918.—Proceedings in relation to applications for exemption to be suspended during the armistice.

P.C. 3107, dated 17th December, 1918.—Regulations re transfer of prisoners from one prison to another when accommodation is not sufficient.

P.C. 3211, dated 2nd January, 1919.—Regulations re procedure against deserters and persons absent from Military Service without leave, amended.

P.C. 101, dated 16th January, 1919.—Regulations re failing to report for duty. Certificate of Registrar to be accepted as evidence.

P.C. 102, dated 16th January, 1919.—Regulations re reward for apprehension of deserters.

P.C. 293, dated 12th February, 1919.—Prosecutions under Section 16, Sub-section of the Military Service Act, 1917. Consent of Minister of Justice, etc.

P.C. 314, dated 12th February, 1919.—Regulations re deserters and absentees without leave may be delivered into military custody. Trial of such persons. Presented by Hon. Mr. Meighen, February 28, 1919... ..Not printed.

79a. Copies of Orders in Council in respect to Militia and Defence and the Canadian Expeditionary Forces. Presented by Hon. Mr. Mewburn, March 4, 1919... ..Not printed.

80. Copy of a General Order of the Supreme Court, adopted on the 8th October, 1918, amending certain Rules of the Supreme Court of Canada. Presented by Hon. Mr. Meighen, February 28, 1919... ..Not printed.

81. Copy of a Parliamentary Paper (C.D. 9212) containing the conditions of the Armistice with Germany, received by His Excellency the Governor General from the Secretary of State for the Colonies, together with a copy of a telegram from His Majesty's Ambassador at Paris, on the subject of the extension of the Armistice with Germany. Presented by Hon. Mr. Rowell, February 28, 1919... ..Not printed.

CONTENTS OF VOLUME 10—Continued.

- 81a.** *Also*.—Copy of the terms of the Armistice with Turkey and of the Armistice with Austria-Hungary, received by His Excellency the Governor General from the Secretary of State for the Colonies. Presented by Hon. Mr. Rowell, February 28, 1919. *Not printed.*
- 81b.** Copy of a letter from the Secretary of State for the Colonies, to His Excellency the Governor General, of the 25th of February, 1919, transmitting copies of the Convention signed on the 16th January, 1919, prolonging the Armistice with Germany, together with copies of the Financial Protocol of the 13th of December, 1918. Presented by Hon. Mr. Rowell, March 18, 1919. *Not printed.*
- 81c.** Copy of a pamphlet received from the Secretary of State for the Colonies, intitled: "Terms of the Armistice concluded between the allied Governments and the Governments of Germany, Austria-Hungary and Turkey. Presented by Hon. Mr. Rowell, May 5, 1919. *Not printed.*
- 82.** Statement of Wharfage Collections for the fiscal year 1917-18, in accordance with the provisions of Chapter 112, Section 14, Revised Statutes, 1906. Presented by Hon. Mr. Maclean, February 28, 1919. *Not printed.*
- 83.** Statement of Superannuation and Retiring Allowances in the Civil Service during the year ending 31st December, 1918, showing name, rank, salary, service allowance and cause of retirement of each person superannuated or retired, also whether vacancy has been filled by promotion, or by appointment, and the salary of any new appointee. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 84.** Statement in pursuance of Section 17 of the Civil Service Insurance Act, for the year ending March 31, 1918. Presented by Sir Thomas White, March 3, 1919. . . *Not printed.*
- 85.** Statement of Governor General's Warrants issued since the last Session of Parliament on account of 1918-19. Presented by Sir Thomas White, March 3, 1919. . *Not printed.*
- 86.** Statement of the Receipts and Expenditures of the Royal Society of Canada, for the year ended April 30, 1918. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 87.** Statement of Receipts and Expenditures of the National Battlefields Commission to 31st March, 1918. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 88.** Statements of Expenditure on account of "Miscellaneous Unforeseen Expenses," from the 1st April, 1918, to the 21st February, 1919, in accordance with the Appropriation Act of 1918. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 89.** Statement of Temporary Loans issued by the Government of Canada since the last Session of Parliament still outstanding. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 90.** Report of the Ottawa Improvement Commission for the fiscal year ended March 31, 1918, including a summary of the receipts and expenditures from its inception in August, 1899, to March 31, 1918. Presented by Sir Thomas White, March 3, 1919. . *Not printed.*
- 91.** Statement of Treasury Board over-ruling, under Section 44, Consolidated Revenue and Audit Act. Presented by Sir Thomas White, March 3, 1919. *Not printed.*
- 92.** P.C. 1743, dated 11th July, 1918.—Declaring principles and policies *re* industrial disputes and urging their adoption upon employers and employees for the duration of the war.
P.C. 2195, dated 12th September, 1918,—*Re* Employment Offices Co-ordination Act. Submitting form of agreement to be entered into with the provinces.
P.C. 2333, dated 23rd September, 1918,—*Re* Canada Registration Board. Requiring certain returns from employers.
P.C. 2461, dated 4th October, 1918,—*Re* Cost of Living. Rescinding previous Orders owing to certain defects therein and making regulations.
P.C. 2525, dated 11th October, 1918,—*Re* Industrial Disputes Investigation Act. Prohibition of strikes in war industries.
P.C. 2508, dated 19th November, 1918,—Repealing Order in Council No. 2525.
P.C. 3069, dated 11th December, 1918,—*Re* Cost of Living. Rescinding Order in Council No. 2461 and making regulations.
P.C. 3111, dated 17th December, 1918,—*Re* Employment Offices Co-ordination Act. Providing regulations thereunder.
P.C. 3171, dated 24th December, 1918,—*Re* Employment Offices Co-ordination Act. Providing for establishment and maintenance of certain employment bureaus.
P.C. 17, dated 6th January, 1919,—*Re* Employment Offices Co-ordination Act. Making regulations as to employment returns.
P.C. 39, dated 11th January, 1919,—Employment Offices Co-ordination Act. Providing for cost of maintenance of certain employment offices from War Appropriation. Presented by Hon. Mr. Maclean, March 3, 1919. *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 93.** Copy of a cable (in extended form) received by His Excellency the Governor General from the Secretary of State for the Colonies on February 14, 1919, giving a summary of the League of Nations Covenant presented to the Peace Conference by the League of Nations Commission. Presented by Hon. Mr. Rowell, March 3, 1919.
Not printed.
- 93a.** Copy of a letter received by His Excellency the Governor General from the Secretary of State for the Colonies, dated February 28, 1919, with accompanying printed copies of the draft League of Nations Covenant. Presented by Hon. Mr. Rowell, March 24, 1919.*Printed for distribution and sessional papers.*
- 93b.** Copy of the revised draft of the League of Nations Covenant, as approved by the Peace Conference in plenary session on April 28, 1919. Presented by Hon. Mr. Rowell, May 5, 1919.*Printed for distribution and sessional papers.*
- 94.** Order in Council, dated 5th November, 1918, with regard to remissions made under Section 88 of The Indian Act, Chapter 81, R.S.C. 1906. Presented by Hon. Mr. Meighen, March 4, 1919.*Not printed.*
- 95.** P.C. 2860, 20th November, 1918, providing for the issue of supplementary letters patent in favour of the present owners of certain lands, conveying the right to the clay which may be found therein.
P.C. 2827, 20th November, 1918, providing that the pre-emption entry of Omer Lethiecq be cancelled and sold to his wife, he having been sentenced to serve 12 years in the Prince Albert penitentiary.
P.C. 2842, 20th November, 1918, ordering that further residence by Ben Henry, holding homestead and pre-emption entries for certain Dominion Lands, be dispensed with owing to his ill-health and consequent inability to perform further residence duties.
P.C. 2841, 20th November, 1918, ordering that further residence on the part of Lucy Knott, an entrant under a South African Volunteer Scrip grant, be dispensed with as she is unable to perform further residence owing to ill-health.
P.C. 2941, 29th November, 1918, providing for the confirmation of an exchange of lands with the Hudson's Bay Company, and granting the land so exchanged to Sam Doubuch (Dowbuch) upon certain terms and conditions.
P.C. 42-2993, 3rd December, 1918, setting apart and appropriating certain land for cemetery purposes and authorizing a grant thereof for the said purposes.
P.C. 43-2993, 3rd December, 1918, setting apart and appropriating certain land for church purposes, and authorizing a grant thereof.
P.C. 3102, 17th December, 1918, transferring control of certain land to the Royal Northwest Mounted Police.
P.C. 3103, 17th December, 1918, providing for the issue of patent to Samuel Ingram in lieu of land surrendered by Mr. Ingram, which is unsuitable for agricultural development and has been reserved for inclusion in a forest reserve.
P.C. 3115, 21st December, 1918, ordering that title to certain Dominion Lands be vested in George F. Green in lieu of land surrendered by Mr. Green, which has been recommended for inclusion in a forest reserve.
P.C. 3192, 27th December, 1918, providing for the leasing of a tract of land to a company cutting clay which has been found to be suitable for use in connection with the manufacture of cement.
P.C. 31-27, 7th January, 1919, rescinding an Order in Council of the 15th February, 1911, and setting apart certain land in the Province of Alberta for exhibition grounds and experimental station purposes, and authorizing a grant thereof.
P.C. 38-27, 7th January, 1919, authorizing a grant of land to the Synod of the Diocese of Athabasca.
P.C. 3200, 14th January, 1919, making regulations for the drainage of Dominion Lands in the Provinces of Alberta and Saskatchewan.
P.C. 134, 20th January, 1919, providing for the issue of a permit to a company to remove earth for the purpose of filling in a trestle, and the payment of a royalty therefor.
P.C. 2459, 7th October, 1918, recommending that further residence duties be waived and authority given for the issue of patents for Dominion Lands in the case of John S. Reid, permanently disabled through illness.
P.C. 2460, 7th October, 1918, authorizing the issue of a license of occupation for the bed of the Peace River at a certain place, in favour of the Edmonton-Dunvegan and British Columbia Railway Company.
P.C. 2484, 9th October, 1918, authorizing the issue of a license of occupation for a portion of the bed of the Assiniboine River in favour of the Canadian Northern Railway Company.
P.C. 2557, 19th October, 1918, ordering that the land covered by a certain road be transferred to the Crown in the right of the Province of Manitoba.
P.C. 2583, 23rd October, 1918, authorizing a free grant of land to Thomas Gladu by virtue of occupancy thereof at the date of the extinguishment of the Indian title.

CONTENTS OF VOLUME 10—Continued.

P.C. 2623, 25th October, 1918, authorizing a free grant of land to Peter Loutit, the Elder, by virtue of occupation thereof at the date of the extinguishment of the Indian title.

P.C. 2642, 26th October, 1918, setting apart and expropriating certain Dominion Lands for church purposes, and authorizing a grant thereof to the Russo-Greek Orthodox Parish of Torpontz.

P.C. 2659, 30th October, 1918, ordering that certain lands be set apart for Soldier Settlement under certain conditions.

P.C. 2678, 2nd November, 1918, providing that the residence requirements of the Dominion Lands Act be dispensed with in connection with the homestead entry of George Young, who is unable through illness to complete the requirements.

P.C. 2703, 7th November, 1918, making regulations in reference to the issue of homestead entry to citizens of the United States who are unable to become naturalized.

P.C. 2780, 13th November, 1918, ordering certain land to be withdrawn from a reserve for stock-watering purposes.

P.C. 1911, 5th August, 1918, providing for the exchange of certain lands and a grant of land to Thomas William Ripper, who had made a homestead entry on the Hudson's Bay Lands, the said Hudson's Bay Company having surrendered the land covered by Mr. Ripper's entry, and the granting to the Hudson's Bay Company of certain other land in lieu thereof.

P.C. 1912, 5th August, 1918, confirming an exchange of lands with Mr. Arthur Hitchcock, and authorizing the issue of letters patent in favour of Mr. Hitchcock for certain Dominion Lands exchanged with him.

P.C. 1922, 5th August, 1918, authorizing the Department of the Interior to enter into grazing or other similar leases covering land reserved for the use of the Department of Militia and Defence under certain conditions.

P.C. 6-1992, 17th August, 1918, authorizing a grant of certain Dominion Lands for church and cemetery purposes.

P.C. 2045, 22nd August, 1918, ordering that certain lands be withdrawn from the operation of the Dominion Lands Act, and be set apart as an Indian Reserve.

P.C. 2088, 27th August, 1918, authorizing the Minister to dispense with the performance of residence requirements under the Dominion Lands Act, and the issue of letters patent in favour of William Marshall Vance, a homesteader who had both feet frozen, necessitating amputation.

P.C. 2159, 6th September, 1918, ordering that certain Dominion Lands at Port Smith Settlement be set apart for the use of the Department of Indian Affairs under certain conditions.

P.C. 56-2207, 12th September, 1918, authorizing a grant of certain Dominion Lands in the Province of Saskatchewan for such purposes.

P.C. 2283, 19th September, 1918, rescinding Clause 12 of the regulations governing the granting of yearly licenses and permits to cut timber on Dominion Lands and substituting another Clause therefor, and rescinding Sub-clause (c) of Clause 17, and substituting another therefor, making an amendment to Sub-clause (m) of Clause 17, and making an amendment of Sub-clause 41.

P.C. 2302, 19th September, 1918, recommending that certain lands shall be withdrawn from the operation of the Dominion Lands Act, and set apart for the Indians in the Province of British Columbia.

P.C. 2303, 21st September, 1918, ordering that Section 1 of the Coal Mining Regulations, established by Order in Council dated 20th April, 1910, and amendments thereto be rescinded and a new Section substituted therefor, and made to apply to all coal mining leases already issued, and ordering that the maximum charge specified in the above section shall be increased and made to apply to coal mining rights already disposed of, and ordering that Section 24 of the said regulations be rescinded, and a new section substituted therefor, and ordering a further provision to be inserted, as to the methods for the conservation and recovery of coal, and ordering that a further provision be inserted to create educational facilities in certain cases.

P.C. 2371, 25th September, 1918, providing for the transfer of certain Dominion Lands to the School Lands Endowment Fund, and that lands previously included in the School Lands Endowment Fund be granted to the Town of Drumheller for park purposes.

P.C. 26-2427, 28th September, 1918, setting apart and appropriating certain Dominion Lands for church purposes in the Province of Alberta.

P.C. 2399, 30th September, 1918, ordering that certain lands be withdrawn from the operation of the Dominion Lands Act, and set apart for the Indians in the Province of Saskatchewan.

P.C. 1516, 20th June, 1918, granting a lease of coal mining rights under certain lands to the Cadomin Coal Company, Limited.

P.C. 1510, 20th June, 1918, authorizing the Minister of the Interior to sell certain Dominion Lands to Edmund Thompson for reclamation purposes, and to enter into an agreement with the said Edmund Thompson in connection therewith as representatives of His Majesty King George the Fifth.

CONTENTS OF VOLUME 10—Continued.

P.C. 1515, 20th June, 1918, authorizing the issue of a free patent of Dominion Lands to Mrs. Flossie Fitzgerald, who has been deserted by her husband, a homestead entrant, she being totally unfit to fulfil the residence requirements.

P.C. 1511, 20th June, 1918, authorizing Miss Margaret Reith to make entries by proxy on behalf of her nephews, W. J. F. Reith, and J. W. Reith, overseas with the Canadian Expeditionary Force.

P.C. 1586, 28th June, 1918, relieving Mr. George Ross from the performance of any further residence duties on his homestead, and authorizing the issue of a free patent to him under certain conditions, he having been admitted to the House for Incurables at Portage la Prairie, Manitoba.

P.C. 1621, 2nd July, 1918, making regulations in connection with the Soldier Settlement Regulations.

P.C. 1658, 6th July, 1918, withdrawing certain Dominion Lands from the Doukhobor Reserves to be dealt with by the Minister of the Interior, subject to certain regulations.

P.C. 1806, 19th July, 1918, ordering title to certain Dominion Lands to be vested in His Majesty King George the Fifth, as represented by the Minister of Public Works for the Province of Alberta.

P.C. 1807, 19th July, 1918, ordering that a certain parcel of Dominion Lands be transferred to the Department of Public Works.

P.C. 1820, 20th July, 1918, authorizing the Minister of the Interior to issue a license of occupation to the Canadian Northern Railway for a certain portion of the Oldman river bed.

P.C. 1819, 25th July, 1918, ordering that a certain parcel of Dominion Lands be transferred to the Department of Indian Affairs for a cemetery.

P.C. 1822, 25th July, 1918, authorizing the Minister to grant the sale of certain Dominion Lands to Mr. William Armstrong as a mill site.

P.C. 1830, 25th July, 1918, authorizing the Minister to grant permits for free grazing privileges for reindeer in a certain area in the Northwest Territories.

P.C. 1828, 25th July, 1918, authorizing a free grant of certain Dominion Lands to J. I. McLean, by virtue of his occupation of the land at the date of the extinguishment of the Indian title.

P.C. 1827, 25th July, 1918, providing the authorization of an exchange of certain lands with the Canadian Pacific Railway Company, the company releasing certain lands to be applied for the purposes of an extension to the Stony Indian Reserve, and certain other Dominion lands being granted to the company, the difference in area being credited to the company's land grant.

P.C. 1823, 25th July, 1918, providing for the disposal of certain lots in a subdivision near the station of Badger on the Canadian Northern Railway under certain conditions, which land had been squatted on by certain persons.

P.C. 1910, 5th August, 1918, ordering that a certain road be transferred to the Crown in the right of the Province of Manitoba.

P.C. 873, 13th April, 1918, authorizing a free grant of Dominion Lands to Mr. William Robert Smith by virtue of his occupation of the land at the date of the extinguishment of the Indian title.

P.C. 1012, 30th April, 1918, ordering that Order in Council of the 22nd October, 1901, be rescinded and that certain lands be transferred to the control of the Department of the Interior, and made available for disposal in accordance with the provisions of the Dominion Lands Act.

P. C. 1053, 1st May, 1918, making regulations for the protection of game in the Northwest Territories.

P.C. 1003, 1st May, 1918, giving the Minister of the Interior authority to sell certain land to Clay Armstrong, subject to certain conditions, for the purposes of reclamation.

P.C. 1062, 3rd May, 1918, authorizing a free grant of Dominion Lands to the Rural Municipality of Biggar, No. 347, in the Province of Saskatchewan, for cemetery purposes.

P.C. 1002, 7th May, 1918, authorizing the Minister to lease certain Dominion Lands to the Western Canada Collieries Limited, to be used only in connection with the mining operations of the said Company.

P.C. 1088, 7th May, 1918, authorizing the Minister to arrange for certain sales of School Lands at certain points in the Province of Saskatchewan.

P.C. 1004, 7th May, 1918, making certain regulations to be observed by persons wishing to use fire for clearing land in certain districts.

P.C. 1100, 10th May, 1918, setting apart certain lands in the Province of Alberta, and authorizing a grant thereof to the Knoll Cemetery Company.

P.C. 1190, 17th May, 1918, authorizing a grant of Dominion Lands in the Province of Alberta to the Bishop of Mackenzie River, by virtue of his occupation of the land at the date of the extinguishment of the Indian title.

P.C. 1244, 22nd May, 1918, recommending that the residence requirements of the Dominion Lands Act be dispensed with in the case of Charles Blanchard, who was severely burned and badly frost bitten.

CONTENTS OF VOLUME 10—Continued.

P.C. 1268, 25th May, 1918, providing a transfer of certain Dominion Lands to the Crown in the right of the Province of Manitoba.

P.C. 1298, 26th May, 1918, ordering that certain parcels of swamp lands, which were re-transferred to the Dominion of Canada under the provisions of Subsection 2 of Section 5, of the Manitoba Boundaries Extensions Act, be released to His Majesty King George the Fifth for the purposes of the Province of Manitoba.

P.C. 1230, 20th May, 1918, amending regulations for the disposal of petroleum and natural gas rights approved by Order in Council of the 19th of January, 1914.

P.C. 1263, 3rd June, 1918, enacted certain regulations in order to remove doubts which have arisen as to the validity of previous regulations.

P.C. 1101, 3rd June, 1918, ordering the rescinding of Section 27 of the regulations, established by Order in Council of 1st July, 1898, and substituting others therefor.

P.C. 1443, 12th June, 1918, authorizing a free grant of Dominion Lands to Alexander Kennedy by virtue of his occupation of the land at the date of the extinguishment of the Indian title.

P.C. 1480, 17th June, 1918, authorizing the Minister of the Interior to execute an agreement on behalf of His Majesty the King with the Canada Land and Irrigation Company, Limited, in substitution for a previous agreement made on the 31st September, 1914.

Not printed.

95. Return of Orders in Council which have been published in the *Canada Gazette*, between 16th March, 1918, and the 20th January, 1919, in accordance with the provisions of Section 77 of "The Dominion Lands Act," Chapter 20, 7-8 Edward VII, as follows:—

P.C. 60, 16th March, 1918, ordering that no royalty shall be levied or collected by the Crown on coal mined in the Yukon Territory for a period of five years from the 7th day of April, 1918.

P.C. 655, 16th March, 1918, ordering Order in Council of December 18, 1897, cancelled, and dividing the Northwest Territory into three provisional districts, Mackenzie, Keewatin and Franklin, according to the description and map annexed.

P.C. 651, 16th March, 1918, making regulations withdrawing pre-emption entry on Dominion Lands as provided by Section 27 of the Dominion Lands Act, Chapter 20, of 1908, and withdrawing the privilege of purchased homestead entry provided by Section 28 of the said Act, except in the case of land reserved for pre-emption entry for a homesteader on active service, and where notice has been issued to a person allowing him a specified time for securing his pre-emption.

P.C. 662, 16th March, 1918, ordering that certain lands be sold to General Turner at the rate of \$1 per acre.

P.C. 705, 22nd March, 1918, providing that the area included within a certain right of way be transferred back to the Department of the Interior by the Department of Militia and Defence for sale to the Canadian Pacific Railway Company under certain conditions.

P.C. 751, 27th March, 1918, providing that further residence requirements be dispensed with in the case of Mr. Earle, a veteran of the South African War.

P.C. 813, 4th April, 1918, authorizing the Minister of the Interior to transfer certain lands from His Majesty King George the Fifth as represented by the Minister of the Interior to His Majesty as represented by the Minister of Public Works for the Province of Alberta.

P.C. 843, 5th April, 1918, providing that residence requirements under the Dominion Lands Act be dispensed with in the case of Harry H. Holmes, who had a considerable part of both his feet amputated.

P.C. 47-768, 5th April, 1918, providing that residence requirements of the Dominion Lands Act be dispensed with in the case of Ole Halsten owing to the physical infirmity of the entrant.

P.C. 48-768, 5th April, 1918, setting apart certain land for cemetery purposes in the Province of Saskatchewan.

P.C. 49-768, 5th April, 1918, dispensing with residence requirements of the Dominion Lands Act in the case of Mr. O. E. Senay, who is physically unfit to continue the performance of his residence duties.

P.C. 62-865, 10th April, 1918, authorizing a free grant to Mr. Robert Jones by virtue of his occupation of the land at the date of the extinguishment of the Indian title.

P.C. 61-865, 10th April, 1918, setting apart certain Dominion Lands for church and cemetery purposes in the Province of Saskatchewan; authorizing a grant to "La Corporation Episcopale Catholique Romaine de Regina."

P.C. 63-865, 10th April, 1918, authorizing a free grant of Dominion Lands to Mr. Benjamin Charles by virtue of his occupation of the said land at the date of the extinguishment of the Indian title.

P.C. 844, 10th April, 1918, authorizing the issue of patent to Mr. J. E. Ingram of certain Dominion Lands in exchange for other land owned by Mr. Ingram.

P.C. 842, 10th April, 1918, authorizing the Minister to have auction sales of School Lands held at certain points. Presented by Hon. Mr. Meighen, March 4, 1919.

Not printed.

CONTENTS OF VOLUME 10—*Continued.*

96. Return of Orders in Council which have been published in the *Canada Gazette*, between the 16th March, 1918, and the 20th January, 1919, in accordance with the provisions of Chapter 47, 2 George V, entitled "The Railway Belt Water Act," as follows:—
P.C. 1296, 6th June, 1918,—Making regulations called Water-lands regulations, effective for disposing of and administering Dominion Lands within the Railway Belt required for the development of water-power, etc.
P.C. 1464, 17th June, 1918,—Recommending certain lands situated in the Railway Belt near Ashcroft be sold to William Henry Hammond on certain conditions. Presented by Hon. Mr. Meighen, March 4, 1919. *Not printed.*
97. Return of Orders in Council which have been published in the *Canada Gazette* and in the *British Columbia Gazette*, between 16th March, 1918, and the 20th January, 1919, in accordance with provisions of Subsection (d) of Section 38 of the regulations for the survey, administration, disposal and management of Dominion Lands within the 40-mile Railway Belt in the Province of British Columbia, as follows:—
P.C. 896, 12th April, 1918, ordering that the regulations be amended to provide for the leasing of unpatented Dominion Lands within the said Belt (a) where the entrant is on active service, etc.; (b) engaged in some work of national importance, and (c) deceased or insane.
P.C. 908, 22nd April, 1918, amending the regulations to provide that holders of homestead entries, employed as farm labourers, may be allowed the period of such employment as part of period of residence, subject to certain conditions.
P.C. 1509, 22nd June, 1918, amending the regulations by rescinding Section 9, and substituting a new section therefor, defining "highways" and authorizing the Province of British Columbia to construct certain roads, etc.
P.C. 1805, 19th July, 1918, making regulations for the granting of free entries on Dominion Lands in the Railway Belt to settlers under the authority of the Soldiers Settlement Act, 1917.
P.C. 1913, 5th August, 1918, amending Clause 41 of the regulations governing the granting of licenses and permits to cut timber to provide certain conditions for the holders of portable saw mill berths.
P.C. 1997, 14th August, 1918, providing that the title to certain lands described there be vested in His Majesty King George the Fifth for the purposes of the Province of British Columbia.
P.C. 2156, 6th September, 1918, providing that certain lands be vested in His Majesty King George the Fifth for the purposes of the Province of British Columbia.
P.C. 2157, 6th September, 1918, providing that certain lands be vested in His Majesty King George the Fifth for the purposes of the Province of British Columbia.
P.C. 2544, 17th October, 1918, withdrawing certain lands from the operations of the Order in Council of the 17th September, 1889, P.C. 2169. Presented by Hon. Mr. Meighen, March 4, 1919. *Not Printed.*
98. Orders in Council passed under the provisions of Chapter 18, 7-8 George V,—*"The Migratory Birds Convention Act."* Presented by Hon. Mr. Meighen, March 4, 1919. *Not printed.*
99. Orders in Council which have been published in the *Canada Gazette*, between the 16th March, 1918, and the 20th January, 1919, in accordance with the provisions of Section 19, of Chapter 10, 1-2 George V,—*"The Forest Reserves and Parks Act,"* as follows:—
P.C. 739, 26th March, 1918, authorizing the Minister to accept the surrender of certain lands from the Canadian Pacific Railway.
P.C. 675, 26th March, 1918, amending regulations for Dominion Forest Reserves established by Orders in Council of 8th August, 1913, 24th September, 1913, and 20th April, 1916.
P.C. 1188, 17th March, 1918, rescinding Order in Council of October 31, 1916, and granting certain land to the Canadian Pacific Railway, subject to certain conditions.
P.C. 1821, 25th July, 1918, granting authority to the Minister to issue domestic fishing permits for certain regulations during the years 1918, 1919, and 1920.
P.C. 2817, 15th November, 1918, granting the corporation of the Town of Wainwright, Alberta, a renewal of the rights granted by Order in Council of the 20th March, 1914, for a period of two years from the 1st of May, 1918. Presented by Hon. Mr. Meighen, March 4, 1919. *Not printed.*
100. Copies of Orders in Council which have been published in the *Canada Gazette* between the 5th April, 1918, and the 20th February, 1919, in accordance with provisions of Section 8, Subsection 2 of Chapter 21, 7-8 George V, *"The Soldiers Settlement Act."* Presented by Hon. Mr. Meighen, March 4, 1919. *Not printed.*
- 100a. Copy of Order in Council, P.C. 925, dated 3rd May, 1919; Issue of *"Attestation"* papers to soldier applicants for lands under the Regulations of the Soldier Settlement Board. Presented by Hon. Mr. Calder, May 27, 1919. *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 101.** First Annual Report with Appendices, of The Historical Documents Publication Board. Presented by Hon. Mr. Rowell, March 4, 1919... ..*Not printed.*
- 102.** Final Report of the International Joint Commission, on the Pollution of Boundary Waters Reference. Presented by Hon. Mr. Rowell, March 4, 1919... ..*Not printed.*
- 103.** Copies of Orders in Council affecting the increases and allowances of the Civil Service of Canada. Presented by Hon. Mr. Maclean, March 4, 1919... ..*Not printed.*
- 104.** Report of the Royal Commission appointed to inquire into and report upon conditions in the Pilotage Districts of Miramichi, Sydney, Louisburg, Halifax, St. John, Montreal and Quebec, and to recommend, if necessary, any change found desirable. Presented by Hon. Mr. Maclean, March 4, 1919.
Printed for distribution to Senators and Members, and sessional papers.
- 105.** Report of the Royal Commission appointed to inquire into and report upon the conditions in the Pilotage Districts of Vancouver, Victoria, Nanaimo and New Westminster, and to recommend, if necessary, any change found desirable therein. Presented by Hon. Mr. Maclean, March 4, 1919.
Printed for distribution to Senators and Members, and sessional papers.
- 106.** Memorandum from the Canadian Trade Commission giving a list of the British Import Restrictions. Presented by Hon. Mr. Maclean, March 4, 1919... ..*Not printed.*
- 107.** Certified copy of agreement between the St. Martin's Railway Company and His Majesty the King. Presented by Hon. Mr. Reid, March 4, 1919... ..*Not printed.*
- 108.** Certified copy of agreement between the York and Carleton Railway Company and His Majesty the King. Presented by Hon. Mr. Reid, March 4, 1919... ..*Not printed.*
- 109.** Copies of Orders in Council affecting the Civil Service Commission. Presented by Hon. Mr. Burrell, March 4, 1919... ..*Not printed.*
- 109a.** Regulations of the Civil Service Commission, approved by His Excellency the Governor General in Council on the 21st December, 1918. Presented by Hon. Mr. Burrell, April 7, 1919... ..*Not printed.*
- 110.** Correspondence relating to the resignation of Mr. F. B. McCurdy, M.P., as Parliamentary Secretary of the Department of Soldiers Civil Re-establishment and Chairman of the Invalided Soldiers' Commission. Presented by Sir Thomas White, March 4, 1919.
Not printed.
- 111.** Copies of Orders in Council affecting the Department of the Secretary of State. Presented by Hon. Mr. Burrell, March 4, 1919... ..*Not printed.*
- 112.** Copies of Orders in Council affecting the Department of Mines. Presented by Hon. Mr. Burrell, March, 1919... ..*Not printed.*
- 113.** Copies of Orders in Council affecting the Public Archives. Presented by Hon. Mr. Burrell, March 4, 1919... ..*Not printed.*
- 114.** Return called for by Section 88, of Chapter 62, Revised Statutes of Canada, requiring that the Minister of the Interior shall lay before Parliament, each year, a return of liquor brought from any place out of Canada into the Territories by special permission in writing of the Commission of the Northwest Territories, for the year ending 31st December, 1917. Presented by Hon. Mr. Meighen, March 6, 1919... ..*Not printed.*
- 115.** Return showing all lands sold by the Canadian Pacific Railway Company during the year ending 30th September, 1917, together with the names of the purchasers, in accordance with the Statutes of Canada, 1886, Chapter 9, Section 8. Presented by Hon. Mr. Meighen, March 6, 1919... ..*Not printed.*
- 116.** Copy of correspondence between the Secretary of State for the Colonies and His Excellency the Governor General, relating to the gift of two submarines to the Canadian Government. Presented by Hon. Mr. Rowell, March 6, 1919... ..*Not printed.*
- 117.** Report of a Committee of Experts, appointed by Order in Council dated 20th November, 1918, on the recommendation of the Civil Service Commission, to investigate and report conditions in the Department of Public Printing and Stationery. Presented by Hon. Mr. Burrell, March 6, 1919.
Printed for distribution to Senators and Members of Parliament.
- 118.** Report of the work of the Department of Soldiers' Civil Re-establishment (Invalided Soldiers' Commission), to March 31, 1918, with Appendices to June 22, 1918. Presented by Mr. Clarke (Bruce) March 7, 1919... ..*Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 119.** Copies of Orders in Council affecting the Department of Agriculture. Presented by Hon. Mr. Crerar, March 7, 1919. *Not printed.*
- 120.** Order in Council P.C. 517, dated 7th March, 1919, appointing the Minister of Railways and Canals receiver of the Grand Trunk Pacific Railway System. Presented by Sir Thomas White, March 10, 1919. *Not printed.*
- 120a.** Copies of Papers concerning the Receivership of the Grand Trunk Pacific Railway System, as follows:—
- (a) Copies of the important correspondence passing between Grand Trunk officials and members of the Government in connection with the negotiations that were carried on;
- (b) Copies of communications between the Receiver and officials of the Grand Trunk Pacific;
- (c) Copies of certain communications that have passed between Grand Trunk officials and the Government since the passing of the Order in Council;
- (d) Copies of the Order and an amending Order dated March 13, 1919;
- (e) Balance sheets of the Grand Trunk Pacific Railway Company, and of its subsidiary companies, and statements of revenue and expenditure of the system. Presented by Sir Thomas White, March 31, 1919. *Not printed.*
- 121.** Orders in Council respecting pay and allowances to ex-soldiers receiving treatment and training under the Soldiers' Civil Re-establishment. Presented by Mr. Clark, (Bruce), March 10, 1919. *Not printed.*
- 122.** Orders in Council respecting Pensions. Presented by Mr. Clark (Bruce), March 10, 1919. *Not printed.*
- 123.** Ninth Annual Report of the Commission of Conservation for the year 1917. Presented by Hon. Mr. Rowell March 10, 1919. *Not printed.*
- 124.** Orders in Council affecting the Department of Customs. Presented by Hon. Mr. Reid, March 12, 1919. *Not printed.*
- 125.** Certified copy of an Agreement between the Elgin and Havelock Railway Company and His Majesty the King. Presented by Hon. Mr. Reid, March 14, 1919. *Not printed.*
- 126.** Copies of a General Rule and Order amending a Rule of the Exchequer Court of Canada, pursuant to Section 88 of the Exchequer Court Act (R.S.C. 1906, Chap. 140). Presented by Hon. Mr. Burrell, March 18, 1919. *Not printed.*
- 127.** Return showing statements of Remissions and Refunds in Tolls and Duties, recorded in the Department of Secretary of State of Canada, year ending March 31, 1918. (Senate). *Not printed.*
- 128.** Return to an Order of the House of the 18th April, 1918, for a Return showing:—
1. If the Minister of Finance has issued certificates permitting the offer and sale of debentures in pursuance of the Order in Council, dated 22nd December, 1917, in relation thereto.
 2. If so, how many permits were granted or certificates issued.
 3. To what provincial governments, municipal corporations, school boards or other legally constituted bodies permits were granted or certificates issued.
 4. For what amount permits were granted and certificates issued, in each case.
- Presented, March 19, 1919.—*Mr. Trahan.* *Not printed.*
- 128a.** Return to an Order of the House of the 2nd May, 1918, for a Return showing:—
- What municipalities have been authorized by the Minister of Finance to issue debentures on the market, since the Order in Council enacted in this respect. Presented March 19, 1919.—*Mr. Seguin.* *Not printed.*
- 128b.** Return showing:—1. If the Minister of Finance has refused to issue certificates permitting the offer and sale of debentures, in pursuance of the Order in Council, dated 22nd December, 1917, in relation thereto. 2. If so, how many permits or certificates have been refused. 3. What provincial governments, municipal corporations, school boards, or other legally constituted bodies have been refused said permits or certificates, and what reasons, in each case, were given. 4. For what amount, in each case, authority was asked for. Presented March 19, 1919.—*Mr. Trahan.* *Not printed.*
- 129.** Return showing:—Referring to the item "Composition, Stereotype, Mats, shipping charges, etc., \$20,360.34," contained in the return of amounts paid for Victory Loan advertising,—1. To whom the said sum of \$20,360.34 was paid. 2. Whether the said sum or any portion thereof was paid under contract. 3. If so, with whom the contract was made, and what the particulars are thereof. Presented March 19, 1919.—*Mr. Murphy.* *Not printed.*

 CONTENTS OF VOLUME 10—*Continued.*

- 130.** Return to an Address to His Excellency the Governor General of the 20th March, 1918, for a copy of any treaty between Great Britain and the United States, permitting the conscription of British Subjects in the United States for military service and of American citizens residing in British Dominions. Presented March 19, 1919.—*Sir Wilfrid Laurier**Not printed.*
- 131.** Return to an Order of the Senate, dated the 21st March, 1918, showing, province by province, up to the 15th March, instant, in as many distinct columns:—1. The number of men of the first class liable to be called to military service at the date fixed by the Government's proclamation. 2. The number of those who have responded to this call, distinguishing: (a) Those who entered the service immediately. (b) Those who have applied for exemption from the service for one of the reasons stated in the Military Service Act. 3. Out of the number of the men conscripted, thus applying for exemption. (a) The number of those who have obtained complete exemption. (b) The number of those who have obtained temporary exemption. (c) The number of those whose applications were disallowed. (d) The number of those whose applications have not been taken into consideration (1) By the local exemption tribunals; (2) By the appeal tribunals. 4. The number of volunteers and conscripts actually in the service since the Military Service Act has been in force distinguishing: (a) Those who enlisted voluntarily. (b) Those who accepted conscription. (c) Those who were conscripted by the judgments of the tribunals. 5. The number of men belonging to the first class who never responded to the call.—(*The Senate*)*Not printed.*
- 132.** Return to an Order of the Senate, dated the 14th May, 1918, showing the number of exemptions asked for in each province, and also the number of appeals in each province from the decisions of the Judges by the Military authorities to the Central Appeal Judge.—(*The Senate*)*Not printed.*
- 133.** Return to an Order of the Senate, dated the 20th May, 1918, showing copies of all papers, letters, telegrams and communications or other documents in its possession in connection with the appointment or proposed appointment of one E. G. Bill, to a position in the Statistical Division of the Military Service Branch, Justice Department, under Colonel Machin, and any correspondence or statement of efforts made to ascertain if any returned soldiers of university training qualified to fill the aforesaid position if such officer be necessary.—(*The Senate*)*Not printed.*
- 134.** Report of the Proceedings of the Commissioners of Internal Economy of the House of Commons for the year 1917. Presented by Hon. Mr. Speaker, March 19, 1919.
Not printed.
- 135.** Return to an Order of the House of the 13th May, 1918, for a copy of all documents or correspondence between the Hon. Albert Sévigny and the Director General of Government Railways or the Superintendent of said railways; also copy of the reports or inquiries held in connection with J. W. Boivin, Transcontinental Agent at St. Malachie, Dorchester County. Presented March 20, 1919.—*Mr. Cannon**Not printed.*
- 136.** Return to an Order of the House of the 22nd April, 1918, for a Return giving an abstract of all claims, with the names of the claimants and the amount of each claim, made against the Department of Railways and Canals for breakage and pilferage on the Prince Edward Island Railway in 1917. Presented March 20, 1919.—*Mr. Sinclair (P.E.I.)**Not printed.*
- 137.** Return to an Order of the House of the 22nd April, 1918, for a Return giving an abstract of all claims, with the names of the claimants and the amounts of each claim filed against the Department of Railways and Canals, on account of the freezing of shipments of potatoes on the Prince Edward Island Railway or on the docks at Charlottetown, Pictou, Summerside and Pointe du Chêne, during the year 1916. Also a return giving the same information for the year 1917, including the above-named railway and docks, the New Brunswick and Prince Edward Island Railway and the dock at Port Borden. Presented March 20, 1919.—*Mr. Sinclair, (P.E.I.)**Not printed.*
- 138.** Partial Return to an Order of the House of the 25th March, 1918, for a return showing all the Commissions created since September, 1911, the names of the Chairman or Presidents and Members of the said Commissions, with the amounts expended in connection therewith including rents, furnishing, equipment, heat, light, salaries, travelling expenses, stationery, printing, advertising, telegrams, telephones, postage and all other expenses, as well as the reports made by the said Commissions. Presented March 20, 1919.—*Mr. Casgrain**Not printed.*
- 138a.** The number and name of all Commissions appointed by Order in Council since the General Elections of 1911, giving date of each Order in Council, names of Commissioners, terms of service, amount paid to each of them, and total cost of each Commission.—(*The Senate*)*Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 138b.** Supplementary Return to an Order of the House of the 25th March, 1918, for a return showing all the Commissions created since September, 1911, the names of the Chairman or Presidents and Members of the said Commissions, with the amounts expended in connection therewith, including rents, furnishing, equipment, heat, light, salaries, travelling expenses, stationery, printing, advertising, telegrams, telephones, postage and all other expenses as well as the reports made by the said Commissions. Presented June 26, 1919.—*Mr. Casgrain* *Not printed.*
- 139.** Return to an Order of the House of the 29th April, 1918, for a copy of all correspondence between the City of Quebec, the Quebec Board of Trade and the Government with regard to the claims of the City of Quebec for terminals of the National Transcontinental Railway and other matters. Presented March 20, 1919.—*Mr. Lavigueur*.
Not printed.
- 140.** Return to an Order of the House of the 24th April, 1918, for a copy of all documents correspondence, papers, court proceedings and reports by the Honourable Justice Duff in reference to the investigation made by Judge Duff in the matter of Jules Gobeil, of Baie St. Paul, against Magistrate A. Simard, of the said place. Presented March 20, 1919.—*Mr. Casgrain* *Not printed.*
- 141.** Return to an Order of the House of the 20th May, 1918, for a copy of all letters, telegrams and correspondence generally exchanged between the Government and Mr. Justice Duff, Central Appeal Judge, during the last election campaign concerning the application and the administration of the Military Service Act in conjunction with the Order in Council passed on December 3, 1917. Presented March 20, 1919.—*Mr. Brouillard* *Not printed.*
- 142.** Return to an Order of the House of the 2nd May, 1918, for a Return showing:—1. How many military officers have been employed in the enforcement of the Military Service Act up to March 31, 1918, in each province. 2. How many civilians in each province. Presented March 20, 1919.—*Mr. Devlin* *Not printed.*
- 143.** Return to an Order of the House of the 13th May, 1918, for a copy of all correspondence between the Registrar, E. Hart Nichols, under the Military Service Act, Halifax, N.S., and the Military Service Council or any member thereof, during the years 1917 and 1918, concerning non-compliance with the Military Service Act in Lunenburg County, N.S.; also for copy of all correspondence between the Military Service Council, or any member thereof, or the Minister of Justice, or the Deputy Minister of Justice and Mr. William Duff, M.P., Lunenburg, N.S., during the years 1917 and 1918; also a copy of any statements, affidavits and declarations now on file in the Military Service Council in respect of the administration of the Military Service Act in the County of Lunenburg and more particularly in respect of any alleged interference by Mr. William Duff with the proper enforcement of the said Act. Presented March 20, 1919.—*Mr. Currie* *Not printed.*
- 144.** Return to an Order of the House of the 20th May, 1918, for a Return showing:—1. Whether private custom work is done at the Portsmouth Penitentiary by skilled convict workmen. If so, whether any allowance is made to said convicts for such work. 2. Whether walnut chairs were repaired and upholstered for P. Devlin, Immigration Officer at Kingston. If so, what the cost was to Mr. Devlin. 3. Whether several articles of furniture were made for and shipped to Mr. Dillon, Purchasing Agent for Penitentiaries. If so, what articles were shipped to Montreal and Ottawa for him, what their cost was, and by whom it was paid. 4. What articles were made or repaired and shipped to persons in Toronto, Renfrew, Ottawa, Kingston and New York, by whose order, to whom sent, and the amount paid in each case. 5. What articles have been repaired or made for the Rev. McDonald and for the Roman Catholic Church at Portsmouth, what amount was paid for such work, by whom paid and when. 6. What articles of furniture have been made and repaired during the past two years (a) for officials of the penitentiary, (b) for persons other than officials, with the name and cost in each case. 7. Whether some statistics were copied by one of the convicts for the United States authorities. If so, how much was paid by the United States for said work, and what amount was placed to the credit of the convict who did the work. 8. Whether convicts have been ordered to make articles patented in the United States, the sole right for the manufacture of which had been sold to a firm in Canada, and whether convicts were ordered to make working drawings of the same for future use. Presented March 20, 1919.—*Mr. Edwards* *Not printed.*
- 145.** Return to an Order of the House of the 15th May, 1918, for a Return showing:—1. The amount expended by the Government on Toronto Harbour since Confederation. 2. The initial cost of such protection as has been placed on the south shore of the Island; also cost of repairs to same. 3. To what extent the Island has been reduced since Confederation due to erosion. 4. What part or parts of the harbour front are controlled by the Dominion Government. Presented March 20, 1919.—*Mr. Foster, (York)*.
Not printed.

CONTENTS OF VOLUME 10—Continued.

- 146.** Return to an Order of the House of the 20th May, 1918, for a copy of all accounts, vouchers, receipts, telegrams, particulars and correspondence of all kinds in any way referring to the expenditure of money by this Government at Friar Siding, under the foremanship of P. Doucette, during the months of October, November and December, 1917. Presented March 20, 1919.—*Mr. Chisholm**Not printed.*
- 147.** Return to an Order of the House of the 20th May, 1918, for a copy of all letters, telegrams, vouchers, accounts and all documents in any way referring to the expenditure of money in repairs on the Margaree Breakwater, by the Department of Public Works, during the years 1916-17 and 1917-18. Presented March 20, 1919.—*Mr. Chisholm*.
Not printed.
- 148.** Return to an Address to His Excellency the Governor General of the 18th April, 1918, for a copy of the correspondence concerning the resignation of Commissioner Perry, C.M.G., as head of Royal Northwest Mounted Police. Presented March 20, 1919.—*Mr. Lemieux**Not printed.*
- 149.** Return to an Order of the House of the 21st March, 1918, for a copy of all letters, telegrams and other papers concerning the steamer service between Montreal, Quebec and the various harbours of Gaspé. Presented March 20, 1919.—*Mr. Lemieux*.
Not printed.
- 150.** Return to an Order of the House of the 24th April, 1918, for a copy of all correspondence and documents exchanged between the Minister of Justice and his Department and their representatives in Montreal in connection with obtaining the release on bail, and arranging bail and security for one Charles, alias Ti-Noir Desjardins. Also a copy of all correspondence with the Minister of Justice and his Department and their representatives in Montreal and elsewhere, and all other documents in connection with obtaining the release of and giving bail and security on behalf of the same man recently in Montreal. Presented March 21, 1919.—*Mr. Casgrain**Not printed.*
- 151.** A detailed statement of all bonds or securities registered in the Department of the Secretary of State of Canada, since last return (2nd April, 1918) submitted to the Parliament of Canada under Section 32 of Chapter 19, of the Revised Statutes of Canada, 1906. Presented by Hon. Mr. Burrell, March 25, 1919.*Not printed.*
- 152.** Return to an Address to His Excellency the Governor General of the 29th April, 1918, for a copy of all Orders in Council and instructions given by the Minister in charge in connection with the work of Mr. M. E. Nicholls, Director of Public Information for Canada; along with a copy of all telegrams, letters, statements and articles sent out by Mr. Nicholls since assuming the position of Director of Public Information; and also copy of the mailing list of the individuals or companies to whom this information was sent. Presented March 26, 1919.—*Mr. Casgrain**Not printed.*
- 153.** Return showing:—1. The amount spent by the Government for each of the canals of Canada since Confederation. 2. The cost of the upkeep of each of these canals, and what receipts have been received from each of them. Presented March 26, 1919. *Mr. Casgrain**Not printed.*
- 154.** Report of the Military Service Council on the administration of the Military Service Act, 1917, with Supplementary Report showing the progress which has been made in obtaining recruits under the Military Service Act, to April 15, 1918. Presented by Hon. Mr. Meighen, March 27, 1919.*Not printed.*
- 155.** Return to an Order of the House of the 19th March, 1919, for a copy of all correspondence between the Customs Department and the Customs House authorities at the port of Sutton-Aberdeen touching the dismissal of William Lassonde. Presented March 28, 1919.—*Mr. McMaster**Not printed.*
- 156.** Return to an Order of the House of the 19th March, 1919, for a return showing the names of all persons employed up to March 1, 1919, in connection with the work of the Repatriation Committee, giving the class of work each person is doing, their salary or wages, the living or other expenses paid, and the former occupation of each person, along with a statement showing what other work, if any, said persons are employed in. Presented March 28, 1919.—*Mr. Proulx**Not printed.*
- 157.** Return to an Order of the House of the 19th March, 1919, for a copy of all papers and correspondence regarding the Commission granted to Canadian officers during the present war. Presented March 31, 1919.—*Mr. Casgrain**Not printed.*
- 158.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—
1. The names of the one hundred and thirty-three persons who were prosecuted during the years 1913, 1914, 1915, 1916, 1917, 1918 and 1919, for having been found in possession of, or for selling, adulterated maple sugar. 2. The amounts of the fines in each case. Presented March 31, 1919.—*Mr. Boyer**Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 159.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. The names of the one hundred and twenty-seven persons who were prosecuted during the years 1913, 1914, 1915, 1916, 1917, 1918 and 1919, for having been found in possession of, or for selling, adulterated maple syrup. 2. The amounts of the fines in each case. Presented March 31, 1919.—*Mr. Boyer* *Not printed.*
- 160.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. The total expenses in connection with the Victory Loan campaign of 1918 in Prince Edward County, Ontario. 2. Number of clerks employed in connection with the said campaign in the said county. 3. Amount paid to each, and of such amount, how much was for salary and how much for travelling expenses. Presented March 31, 1919.—*Mr. Proulx* *Not printed.*
- 161.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. The total amount paid by the Canadian Government for the rental of offices and other space, in the Cities of Montreal, Ottawa and Quebec, as well as in all the different provinces of the Dominion, to put in force the Military Service Act. 2. The names of the proprietors or landlords from whom the said offices or places were leased. 3. The names of the lawyers who attended to and helped The Honourable Mr. Justice Duff, in Ottawa, in the disposal of the appeals made under the Military Service Act, last year, and how much they were paid. Presented March 31, 1919.—*Mr. Casgrain*.
Not printed.
- 162.** Return to an Order of the House of the 25th March, 1918, for a Return showing:—1. Who the contractors are for the transportation of His Majesty's Mails in the County of Dorchester. 2. What sums they receive annually for this work. 3. When the contracts in each case were given, and upon whose recommendation. 4. When each of these contracts terminates. Presented March 31, 1919.—*Mr. Cannon* *Not printed.*
- 163.** Return to an Order of the House of the 13th May, 1918, for a copy of the contract made between the Government of Canada and Mr. Mosher, of Feltzen South, in the County of Lunenburg, for the carrying of His Majesty's mails between Feltzen South and Rose Bay, in the County of Lunenburg. Said contract being executed during the month of September, October or November, 1917, and having as one of the bondsmen on the said contract Mr. Wm. Duff, of Lunenburg, in the County of Lunenburg. Presented March 31, 1919.—*Mr. Currie* *Not printed.*
- 164.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The number of times the Military Service Act, 1917, was amended by Order in Council. 2. The dates and the numbers of the said Orders in Council. Presented March 31, 1919.—*Mr. Tobin* *Not printed.*
- 165.** Return to an Order of the House of the 20th March, 1919, for a Return showing:—1. The number of men of military age who have been condemned to terms of imprisonment for infractions of the Military Service Act, 1917, in each of the nine provinces of Canada. 2. The number of the said men who have been released from prison before the expiration of their terms. 3. Their names, where they were imprisoned and the length of their respective sentences. Presented March 31, 1919.—*Mr. Fontaine*.
Not printed.
- 166.** Average number of men employed on the Dominion Police Force during each month of the year 1918, and of their pay and travelling expenses, pursuant to Chapter 92, Section 6, Subsection 2, of the Revised Statutes of Canada. Presented by Hon. Mr. Meighen, April 1, 1919. *Not printed.*
- 167.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The amount of the public debt of Canada on the 21st September, 1911. 2. New loans made by the Dominion of Canada since said date, indicating for each of said loans; (a) the date; (b) the amount; (c) the rate of interest; (d) the name of the place where such loan was floated; (e) the date of purchase; (f) the object for which said additional loans were made. 3. The amount of the public debt on the 10th March, 1919. 4. The result obtained through the last National Loan in Canada, indicating the amount subscribed in each Province. 5. Of the amount raised through the last National Loan, what sums were expended (a) for war purposes; (b) for other purposes. 6. How much the floating of our last National Loan cost, giving the figures in detail. Presented April 1, 1919.—*Mr. Vien* *Not printed.*
- 168.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The cost to the Government for advertising and printing in connection with the Victory Loan of 1917, giving amounts for advertising and printing separately. 2. The cost to the Government for advertising and printing in connection with the Victory Loan of 1918, giving amounts for advertising and printing separately. 3. Amount paid in commissions in connection with said loans for 1917 and 1918. 4. The total cost in connection with the campaign for the said Victory Loans of 1917 and 1918. Presented April 1, 1919.—*Mr. Duff* *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 169.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. How many appointments have been made to the Civil Service by the Civil Service Commission since the passing of the Civil Service Act of 1918. 2. How many of these appointments were given to returned soldiers who had served overseas in the actual theatre of war. 3. How many were given to those who had not served in the actual theatre of war. 4. What was the aggregate, also the average salaries pertaining to both classes referred to in questions two and three. Presented April 1, 1919.—*Mr. Sutherland*.*Not printed.*
- 170.** Return to an Order of the Senate, dated the 20th March, 1919, showing the cost of enforcing of the National Service Act, of the Military Service Act, and of the Order in Council establishing the Canada Registration Board.—(*The Senate*.) April 2, 1919.*Not printed.*
- 171.** Return to an Order of the House of the 26th March, 1919, for a Return showing:—1. Who the Director of Vocational Training is. His salary. His profession. What special training he has had to fit him as "Director of Vocational Training." 2. How many units for Vocational Training there are in Canada. How many officers in each unit, and at what salary. Their profession or training. 3. The cost of administration, (a) at Ottawa; (b) at each unit. The cost for maintenance. Total cost per year. Estimated cost for coming fiscal year. 4. Number of applications for training received. Number from boys under age. Number refused training because they have been under age. 5. Whether Vocational Training Branch gives an agricultural course. Whether Land Settlement Board gives an agricultural course. Presented April 3, 1919.—*Mr. Stevens*.*Not printed.*
- 172.** Return to an Order of the House of the 19th March, 1919, for a copy of all letters, telegrams and other documents exchanged between any Department of the Government and any person or persons, relative to charges of sedition made against Bishop Budka, of Winnipeg. Presented April 3, 1919.—*Mr. Blake*.*Not printed.*
- 173.** Return to an Address of the Senate, dated the 21st of March, 1918 containing statements showing in detail the expenditure made in connection with the last elections, the conscription law, and the National Service, up to the 1st of March, and that the said Address be presented to His Excellency the Governor General by such members of this House as are members of the Privy Council.—(*The Senate*.) April 3, 1919.*Not printed.*
- 174.** Return to an Order of the House of the 31st March, 1919, for a Return showing:—1. The names of the canvassers for the Victory Loan of 1918 in South East Grey, and amount paid each as commission. 2. Amounts paid to Toronto brokerage firms for commissions in connection with the said Victory Loan, and the names of such firms. Presented April 4, 1919.—*Mr. Proulx*.*Not printed.*
- 174a.** Return to an Order of the House of the 10th April, 1919, for a Return showing:—1. To what firms or brokers, in the Province of Quebec, brokerage was paid by the Government in connection with the last Victory Loan. 2. Amount paid to each. Presented April 23, 1919.—*Mr. Proulx*.*Not printed.*
- 174b.** Return to an Order of the House of the 31st March, 1919, for a Return showing:—1. Into how many districts the Dominion was divided for the purpose of the flotation of the Victory Loan. 2. The number of persons employed in each district, and their names. 3. The exact expenditure incurred by each district association. 4. Amount each organizing or canvasser received. 5. What brokers were employed throughout the Dominion. 6. The actual amount of bonds credited to each broker. 7. What remuneration each received. Presented April 30, 1919.—*Mr. Power*.*Not printed.*
- 175.** Return to an Order of the House of the 24th April, 1918, for a copy of all letters, petitions and communications received by the Acting Postmaster General or any official of his Department in reference to the closing of the Post Office at Le Blancville, in the County of Westmorland, New Brunswick. Presented April 4, 1919.—*Mr. Copp*.*Not printed.*
- 176.** Return to an Order of the House of the 24th April, 1918, for a Return showing:—1. The names and addresses of the different deputy returning officers, enumerators, janitors and lessees of polls in the election of December 17, 1917, in the County of Las-somption and Montcalm. 2. Amount paid to each of the above parties for his services in said election. 3. Whether all these accounts are paid. 4. If not, which yet are unpaid, and why they have not been settled. Presented April 4, 1919.—*Mr. Seguin*.*Not printed.*
- 177.** Return to an Order of the House of the 15th April, 1918, for a Return showing:—1. What sums have been expended since the beginning of the war by the Government, on advertising, in connection with (a) Voluntary recruiting, (b) Government loans,

CONTENTS OF VOLUME 10—Continued.

- (c) Production of foodstuffs, including advertisement in relation to the Food Controller's Office or Canada Food Board, (d) Military Service Act, and (e) Fuel Controller's Office. 2. What rates were paid, and whether they were the ordinary or usual commercial rates. 3. What papers received these advertisements, and what amount to each. He also laid before the House, by command of His Excellency the Governor General,—Tenth Annual Report of the Civil Service Commission of Canada, for the year ending August 31, 1918. Presented April 7, 1919.—*Mr. Pedlow.*
Not printed.
- 178.** Return to an Order of the House of the 19th March, 1919, for a copy of the Marconi Wireless Company's contract with the Department of Naval Service, showing the date the contract was made and signed. Presented March 8, 1919.—*Mr. Tobin.*
Not printed.
- 178a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a copy of the Marconi Wireless Company's contract with the Department of Naval Service, showing the date the contract was made and signed. Presented April 15, 1919.—*Mr. Tobin.**Not printed.*
- 179.** Return to an Order of the House of the 7th April, 1919, for a Return showing:—1. The present duties of the Censor's Department. 2. The men employed, and their salaries. 3. Whether any of them have other occupations. 4. How many of them are former newspaper men, and what their names are. 5. Whether any further need of a cable censor in Canada. 6. The Cost of the Censor's Office per year. Presented March 8, 1919.—*Mr. Pedlow**Not printed.*
- 180.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. The total amount of the damages caused by accidents which have occurred on the Intercolonial Railway, between Moncton and Lévis, since the 1st November, 1918, to residents' and Government property, respectively. 2. Whether any lives were lost as a result of such accidents. If so, how many. Presented March 8, 1918.—*Mr. Bouvassa.*
Not printed.
- 181.** Report of the Canada Registration Board, 1918. Presented by Hon. Mr. Rowell, April 9, 1919.*Not printed.*
- 182.** Return to an Order of the House of the 2nd April, 1919, for a Return giving a detailed statement of the number of bank mergers in Canada since October 1, 1911, up to date, together with a copy of all petitions and correspondence opposing same. Also, the names of banks affected thereby. Presented April 9, 1919.—*Mr. Lemieux.*
Not printed.
- 183.** Return to an Order of the House of the 27th March, 1919, for a Return showing:—1. Whether the Government increased the salaries of its civil servants in the County of Dorchester during the year 1917. 2. If so, the names of the officials and employees who received increases, giving the date of each increase. 3. On whose recommendation these increases were made. Presented April 9, 1919.—*Mr. Cannon.**Not printed.*
- 184.** Copy of Order in Council, P.C. 784, dated 9th April, 1919, appointing a Royal Commission to investigate industrial relations and submit a report as to how they may be improved. Presented by Sir Thomas White, April 9, 1919.*Not printed.*
- 184a.** Copy of Order in Council, P.C. 670, dated 4th April, 1919,—Defining the scope of the Commission recently appointed to consider labour relations in Canada. Presented by Sir Thomas White, April 14, 1919.*Not printed.*
- 184b.** Report of Commission appointed under Order in Council (P.C. 670) to inquire into Industrial Relations in Canada, together with a Minority Report. Presented by Sir Robert Borden, July 1, 1919.*Not printed.*
- 185.** Memorandum No. 5, respecting work of the Department of Militia and Defence—European War—from January 1, 1918, to October 31, 1918. Presented by Hon. Mr. Mewburn, March 10, 1919.*Not printed.*
- 186.** Return to an Order of the House of the 7th April, 1919, for a Return showing:—1. The total amount of the domestic Dominion War Loans subscribed to date. 2. The amount thereof subscribed by each province of the Dominion. 3. The amount of deposits in the banks at the close of the fiscal year next prior to the date of the first of such loans. 4. The amount of deposits in Canadian Banks according to the last issued statement, and the date of such statement. Presented April 11, 1919.—*Mr. Middlebro.*
Not printed.
- 187.** Copy of Order in Council P.C. 690, dated 2nd April, 1919, re agreement between the Dominion of Canada and the Kingdom of Roumania respecting a credit for twenty-five million dollars (\$25,000,000). Presented by Sir Thomas White, April 11, 1919.
Not printed.

CONTENTS OF VOLUME 10—Continued.

- 188.** Copy of Order in Council, P.C. 800, dated 10th April, 1919, requesting His Majesty to issue letters patent to each of the following named persons:—
 The Right Honourable Sir Robert Borden, a Member of His Majesty's Most Honourable Privy Council, G.C.M.G., K.C., M.P., Prime Minister of the Dominion of Canada;
 The Right Honourable Sir George Eulas Foster, a Member of His Majesty's Most Honourable Privy Council, G.C.M.G., M.P., Minister of Trade and Commerce of the Dominion of Canada;
 The Honourable Arthur Lewis Sifton, K.C., M.P., Minister of Customs and Inland Revenue of the Dominion of Canada;
 The Honourable Charles Joseph Doherty, K.C., M.P., Minister of Justice of the Dominion of Canada; naming him and appointing him as Commissioner and Plenipotentiary in respect of the Dominion of Canada, with full power to sign any treaties concluded at the Peace Conference. Presented by Hon. Mr. Rowell, April 11, 1919.
Not printed.
- 189.** Return to an Order of the House of the 9th March, 1919, for a Return showing:—1. If a man named Cooke was employed by the Immigration Branch of the Interior Department, or by the Minister of Immigration and Colonization, during the past year. 2. If so, what his duties were, and what remuneration he received, or is to receive. 3. Whether the said Cooke, in the capacity of a Government employee, visited Immigration Offices and Immigration Officials in the West. If so, whether he made any changes therein. 4. What changes were made, what the names of the officials are who were retired, given different positions, or newly employed. 5. Under what authority the said Cooke performed the mission referred to. 6. Whether the said Cooke is still in the employ of the Minister of Immigration and Colonization. If so, what duties he is now performing. 7. Whether the said Cooke is the Sheriff at Regina. Presented April 11, 1919.—*Mr. Murphy**Not printed.*
- 190.** Return to an Order of the House of the 3rd April, 1919, for a Return showing:—1. Amount paid to J. S. Wilson, of Hanover, Registrar for South East Grey, in connection with the Dominion Registration in June, 1918. 2. The names of the Deputy Registrars and their assistants who received payment for services in connection with the Dominion Registration of June, 1918, in the County of South East Grey, Ont. Presented April 14, 1919.—*Mr. Proulx**Not printed.*
- 191.** Return to an Order of the House of the 31st March, 1919, for a copy of all letters, telegrams and other correspondence between the Militia Department and the Aetna Chemical Company of Canada, Limited, concerning a contract for explosives. Presented April 14, 1919.—*Mr. Brouillard**Not printed.*
- 192.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The names and present addresses of the last three hundred appointees to the Inside Civil Service, whose appointments were made by the Civil Service Commission. 2. In what Departments they were placed when appointed, and the salary paid in each case. Presented April 14, 1919.—*Mr. Boyer**Not printed.*
- 193.** Return to an Order of the House of the 3rd April, 1919, for a Return showing:—1. Number of men enlisted under the provisions of the Military Service Act, 1917, in each of the nine provinces of Canada, who had been sent or were on their way overseas on November 11, 1918. 2. Number of enlisted under the provisions of the Military Service Act, 1917, in each of the nine provinces of Canada, who had been sent or had left their respective training barracks to be sent to Siberia on November 11, 1918. Presented April 14, 1919.—*Mr. Tobin**Not printed.*
- 194.** Return to an Order of the House of the 24th March, 1919, for a copy of all telegrams, letters, order papers or other correspondence in any way connected with the discharge of cargoes of the vessels *J. M. Rafuse* and *W. F. Davidson*, in the year 1918, in New York Harbour. Presented April 14, 1919.—*Mr. Sinclair, (Antigonish)**Not printed.*
- 195.** Return to an Order of the House of the 7th April, 1919, for a copy of the evidence given in the arbitration at Toronto in 1918, with respect to the value of Canadian Northern Railway common stock taken over by the Government. Presented April 15, 1919.—*Mr. Mackie, (Edmonton)**Not printed.*
- 195a.** Return to an Order of the House of the 7th April, 1919, for a copy of all reports made, or letters written, by Graham A. Bell with respect to Canadian Northern Railway common stock, and also in connection with or leading up to the arbitration in 1918 with respect to the value of such common stock. Presented April 15, 1919.—*Mr. Mackie, (Edmonton)**Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 196.** Return to an Order of the House of the 31st March, 1919, for a copy of all letters, telegrams and other correspondence between the Honourable N. W. Rowell, President of the Privy Council, and Commissioner R. H. Pringle, K.C., in any way relating to the Pulp and Paper Inquiry conducted by the said Commissioner. Presented April 15, 1919.—*Mr. Tobin* *Not printed.*
- 197.** Also.—Return to an Order of the House of the 19th March, 1919, for a Return showing:—
1. Whether the Canadian authorities have been in supreme command of the Canadian Naval vessels since the outbreak of hostilities. 2. How many vessels comprised the Canadian Naval Service on December 31, 1914, 1915, 1916, 1917 and 1918, respectively. Presented April 15, 1919.—*Mr. Tobin* *Not printed.*
- 198.** Return to an Order of the House of the 7th April, 1919, for a Return showing, according to the latest available figures, the population of each of the four western provinces and of the cities of Victoria, Vancouver, Calgary, Edmonton, Regina, Saskatoon, Brandon and Winnipeg. Presented April 16, 1919.—*Mr. Middlebro* *Not printed.*
- 199.** Return showing:—1. The value of, rate of duty on, and customs duty collected on, agricultural implements imported into Canada during the fiscal year ending March 31, 1914, and during the last fiscal year for which the figures are available, respectively. 2. The rate of duty on, amount of duty collected on, and number and value of, each of the following agricultural implements imported into Canada during each of the above periods: reapers, mowers, binders, thrashing machines, separators, ploughs, harrows, hoserakes, seed drills, farm tractors, fanning mills, internal combustion engines other than tractors, wagons, buggies, cutters, sleighs, cream separators and wind mills. 3. What proportion of the above were imported through ports of entry in the four western provinces, and the duty paid thereon. 4. The number and value of such articles exported from Canada during the said two years respectively. 5. The number and value of automobiles imported into the four western provinces in the fiscal years ending March 31, 1914 to 1918, respectively, inclusive, and the duty paid thereon. Presented April 16, 1919.—*Mr. Middlebro* *Not printed.*
- 200.** Statement of Expenditure by the Honourary Advisory Council for Scientific and Industrial Research during the fiscal year ending 31st March, 1918. Presented by Hon. Mr. Maclean, April 23, 1919 *Not printed.*
- 201.** Report of the Honourable Mr. Justice Morrison in the case of the wreck of the SS. *Princess Sophia*. Presented by Hon. Mr. Ballantyne, April 23, 1919 *Not printed.*
- 202.** Return to an Order of the House of the 19th March, 1919, for a copy of all correspondence, petitions and other papers concerning the steamer service between Magdalen Islands and Pictou, N.S. Presented April 23, 1919.—*Mr. Lemieux* *Not printed.*
- 203.** Return to an Address to His Excellency the Governor General of the 19th March, 1919, for a copy of the Order in Council authorizing the audit of public terminal elevators and copy of the Auditor's report. Presented April 23, 1919.—*Mr. Stevens*. *Not printed.*
- 204.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The number of Canadian soldiers who enlisted under the provisions of the Military Service Act, 1917, and are now in Siberia. 2. Whether any of the said soldiers objected to doing military service in Siberia. 3. If so, to whom such objections were referred. 4. The ruling given upon said objections. Presented April 23, 1919.—*Mr. Tobin*.
Not printed.
- 205.** Copies of Order in Council, P.C. 869, dated 22nd April, 1919, respecting allowances to be paid to Soldier Settlers who are taking agricultural training. Presented by Hon. Mr. Meighen, April 25, 1919 *Not printed.*
- 205a.** Copy of Order in Council, P.C. 912, dated 1st May, 1919, amending Order in Council, P.C. 869, dated 22nd April, 1919, respecting allowances to be paid to Soldier Settlers who are taking agricultural training. Presented by Hon. Mr. Meighen, May 19, 1919.
Not printed.
- 206.** Return to an Order of the House of the 31st March, 1919, for a copy of all letters, telegrams, correspondence and other documents exchanged between the Starch Manufacturers of Prince Edward Island and the Finance Department, or any other Department of the Government, in 1911, in reference to the then proposed reciprocity agreement between Canada and the United States. Presented April 25, 1919.—*Mr. Read*, (*Prince*) *Not printed.*
- 207.** Return to an Order of the House of the 20th March, 1919, for a Return showing:—1. The amount, if any, paid by the Government for advertising to the *Moncton Transcript*, *Acadian Recorder*, *Morning Chronicle*, *Halifax Herald*, and *Evening Mail*, during the year 1918. 2. The amounts, if any, paid to the said newspapers during the same year for printing. Presented April 25, 1919.—*Mr. Duff* *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 207a.** Supplementary Return to an Order of the House of the 20th March, 1919, for a Return showing:—1. The amount, if any, paid by the Government for advertising to the *Moncton Transcript*, *Acadian Recorder*, *Morning Chronicle*, *Halifax Herald*, and *Evening Mail*, during the year 1918. 2. The amounts, if any, paid to the said newspapers during the same year for printing. Presented June 2, 1919.—*Mr. Duff. Not printed.*
- 208.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The amount paid the *Bridgewater Bulletin*, of Bridgewater, Nova Scotia, for advertising since January 1, 1912. 2. The amount paid the *Daily and Weekly News*, of Lunenburg, Nova Scotia, for advertising since January 1, 1912. Presented April 25, 1919.—*Mr. Duff. Not printed.*
- 209.** Return to an Order of the House of the 20th March, 1919, for a Return showing:—1. What quantity of soap was purchased by the Government from the Palm Olive Company in 1917 and 1918. 2. The price paid for same. Presented April 25, 1919.—*Mr. Lemieux. Not printed.*
- 210.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amounts, if any, paid by the Government to the *Winnipeg Telegram* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 25, 1919.—*Mr. Mayrand. Not printed.*
- 210a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amounts, if any, paid by the Government to the *Winnipeg Telegram* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Mayrand. Not printed.*
- 211.** Return to an Order of the House of the 6th May, 1918, for a Return showing:—1. The amount paid for sending cablegrams by each Department of the Government for the year ending March 31, 1918. 2. What has been paid by each of the several departments for sending telegrams and telephone messages. 3. Whether the Government or any department thereof receives a special rate, or whether the full commercial rate is paid in connection with sending cablegrams, telegrams and telephone messages. 4. If not, whether it is the intention of the Government to endeavour to arrange for a special rate. Presented April 28, 1919.—*Mr. Sutherland. Not printed.*
- 212.** Return to an Order of the House of the 6th May, 1918, for a Return showing:—1. The amount paid by the Government to each of the following newspapers:—*Charlottetown Guardian*, *Charlottetown Examiner*, *Island Patriot*, *Summerside Journal Agriculturist*, *Pioneer and Farmer*, *Charlottetown Herald*, *Charlottetown Watchman*, from the 1st of August, 1914, to the 1st of January, 1918. 2. The portion of the amount so paid for advertising in connection with the war. Presented April 28, 1919.—*Mr. Read (Prince). Not printed.*
- 213.** Return to an Order of the House of the 7th April, 1919, for a Return showing:—1. The nature of the irregularities of which Major L'Heureux is charged in connection with the administration of the 167th Battalion. 2. Whether the Government is aware that the Adjutant of the said Battalion, Captain J. A. Poirier, who shared the Commanding Officer's confidence, was not at all disquieted, but, on the contrary, was sent overseas immediately after the termination of Lieut.-Colonel Readman's trial. 3. The charges alleged against the said Major L'Heureux and who investigated said charges. 4. Whether Major L'Heureux was called upon to enter a plea of defence. 5. Whether the Government is aware that on several occasions said Major L'Heureux demanded an investigation, and that the reply was that there was nothing for which to reproach him. Presented April 28, 1919.—*Mr. Savard. Not printed.*
- 214.** Return to an Order of the House of the 18th April, 1918, for a Return showing:—1. The number of clerks employed during each year from 1911 to 1917 in the following Post Offices: Victoria, Vancouver, Regina, Edmonton, Winnipeg, Toronto, Ottawa, Hamilton, Montreal, Quebec, Fredericton and Halifax. 2. What sums have been paid as salaries to the clerks of the above offices in each year of the said period. Presented April 28, 1919.—*Mr. Déchene. Not printed.*
- 215.** Return to an Order of the House of the 1st May, 1918, for a Return showing:—(a) Whether the Canadian Government Railways Employees Magazine, published at Moncton, N.B., is owned by the Government; (b) if so, the names of the Editor, Business Manager, Advertising Solicitor, and of other persons engaged in connection with the magazine and the amounts of salary or other remuneration paid to them, respectively, since its establishment; (c) the positions, if any, such persons also occupy in the Canadian Government Railways Service, and what salaries they receive in such service; (d) the revenue and expenditure in connection with the publication of the magazine from its inception to December 31, 1917, showing separately the amounts received from advertising, subscriptions, and from other sources respectively, also separately the amounts disbursed for personal service, printing and other expenses of publication; (e) the sums of money paid by the Government or by the Canadian

CONTENTS OF VOLUME 10—Continued.

Government Railways in connection with the publication of the magazine with dates and amounts and showing for what purposes such payments were made; (f) a copy of the correspondence between the Minister of Railways and Canals, any officials of that Department, particularly the Purchasing Agent, the General Manager and other officials of the Canadian Government Railways and any officials or employees of the Magazine and of all correspondence from the Minister or from any officials of the Department or from any officials of the Canadian Government Railways for the purpose of inducing manufacturers and others to advertise in the magazine; and (g) whether the Post Office Department has admitted the Magazine to second-class postal privileges, and if so, on what date, and whether such privileges extend only to copies sent to bona fide subscribers or if they include copies supplied gratuitously to Canadian Government Railways officials and employees. Presented April 28, 1919.—*Mr. Bureau.*
Not printed.

- 216.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. The staff and personnel employed at Quebec, Que., for the Soldiers' Civil Re-establishment. 2. Their respective names, domiciles and salaries. 3. Which of them are returned soldiers, and what services they performed in the Canadian Expeditionary Force. 4. How many demands were made by returned soldiers at Quebec in connection with their civil re-establishment, giving: (a) Name of claimant; (b) His place of origin; (c) The nature and date of his demand; (d) The adjudication in each case, and date. Presented April 29, 1919.—*Mr. Vica**Not printed.*
- 217.** Return to an Address to His Excellency the Governor General, of the 19th March, 1919, for a copy of all correspondence between the Minister of Trade and Commerce or any officials of the Government and the Board of Grain Supervisors and Board of Grain Commissioners regarding the commandeering of wheat in 1916, and a copy of the Order in Council authorizing same. Presented April 29, 1919.—*Mr. Stevens.*
Not printed.
- 218.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Ottawa Journal* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 29, 1919.—*Mr. Deslauriers**Not printed.*
- 218a.** Return to an Order of the House of the 24th March, 1919, for a Return showing:—1. Amount paid to the *Ottawa Journal* and *Ottawa Journal-Press* for Government printing, advertising and job work from 1896 to 1911, inclusive. 2. Amounts paid to *Ottawa Journal* and *Ottawa Journal-Press* for Government printing, advertising and job work in each of the years 1912, 1913, 1914, 1915, 1916, 1917 and 1918. Presented May 14, 1919.—*Mr. Edwards**Not printed.*
- 218b.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Ottawa Journal* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Deslauriers**Not printed.*
- 219.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Hamilton Spectator* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 29, 1919.—*Mr. Deslauriers**Not printed.*
- 219a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Hamilton Spectator* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 29, 1919.—*Mr. Deslauriers**Not printed.*
- 220.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Ottawa Citizen* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 29, 1919.—*Mr. Deslauriers**Not printed.*
- 220a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Ottawa Citizen* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Deslauriers**Not printed.*
- 221.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto World* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 29, 1919.—*Mr. D'Anjou**Not printed.*
- 221a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto World* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. D'Anjou**Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 222.** A collection of Reports by the Imperial Government on Bolshevism in Russia. Presented by Hon. Mr. Rowell, April 29, 1919.*Not printed*
- 223.** Return to an Order of the Senate dated May 22, 1918. That an humble Address be presented to His Excellency the Governor General, praying that His Excellency will cause to be laid upon the Table of the Senate a return of copies of all papers, letters, telegrams, memorials, petitions or other communications or documents in the possession of the Government or in that of His Honour the Speaker of the House of Commons, which may be available, in connection with the recent delegation from the farmers of Canada to present certain public and national questions and issues to the attention of the Cabinet and of the Parliament of Canada.—(*The Senate.*) April 29, 1919.*Not printed.*
- 224.** Return to an Order of the Senate dated 26th March, 1919, showing:—1. (1) Whether the Government has divested itself of all aerodromes, airships and air service plant. (2) Also, whether such property is retained by the Government, where it is situated, and of what does it consist. 2. (1) Also, is there any air service organization or personnel in Canada acting under the Government; and (2) If there is: (a) of what persons does it consist; (b) what is the qualification and rank of each person; (c) where are they respectively located; (d) what is each person's duty.—(*The Senate.*) April 29, 1919*Not printed.*
- 225.** Return to an Order of the House of the 24th March, 1919, for a copy of all telegrams, letters, correspondence, petitions and other documents in any way referring to the appointment of a postmaster at Port Hawkesbury, during the years 1918 and 1919. Presented April 30, 1919.—*Mr. Chisholm.**Not printed.*
- 226.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Mail and Empire* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 30, 1919.—*Mr. Proulx.**Not printed.*
- 226a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Mail and Empire* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Proulx.**Not printed.*
- 227.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Star* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 30.—*Mr. Deslauriers**Not printed*
- 227a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Star* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Deslauriers.**Not printed.*
- 228.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Montreal Star* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented April 30, 1919.—*Mr. Maynard.**Not printed*
- 228a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Montreal Star* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Maynard.**Not printed.*
- 229.** Copy of an agreement between His Britannic Majesty's Government and the Government of the French Republic respecting British War Graves in France, signed at Paris November 26, 1918. Presented by Hon. Mr. Rowell, April 30, 1919*Not printed.*
- 230.** Mr. Rowell, a Member of the King's Privy Council, laid before the House,—Copy of Order in Council, P.C. 2144, dated 2nd September, 1918, *re* application of the St. Lawrence River Power Company to construct certain works in the South Sault Channel of the St. Lawrence River.
P.C. 2145, dated 2nd September, 1918, appointing the Hon. Arthur Meighen, Minister of the Interior, and Hon. A. L. Sifton, Minister of Customs and Inland Revenue, to represent the Government of Canada at a conference with the representatives of the United States Government concerning the application of the St. Lawrence River Power Company.
P.C. 2509, dated 12th October, 1918,—Copy of report *re* result of negotiations concerning the application of the St. Lawrence River Power Company, and also in reference to the Order of the International Joint Commission authorizing the St. Lawrence River Power Company to construct certain works in the South Sault Channel of the St. Lawrence River.

CONTENTS OF VOLUME 10—Continued.

Copy of the Order of the said International Joint Commission authorizing the construction of the said works dated September 4, 1918. Interim Order and Opinion of International Joint Commission in the matter of the application of the St. Lawrence River Power Company for the approval of the construction and maintenance of a submerged weir in the South Channel of the St. Lawrence River near the mouth of its power canal at Massena, New York. Statement of the Case of the Government of the Dominion of Canada on such application. Presented by Hon. Mr. Rowell May 1, and 3, 1919... .*Printed for distribution and sessional papers.*

- 230a.** Interim Order, Opinions of, and Hearings before the International Joint Commission in the matter of the application of the St. Lawrence River Power Company, for the approval of the construction and maintenance of a submerged weir in the south channel of the St. Lawrence River near the mouth of its power canal at Massena, New York. Presented by Hon. Mr. Rowell, May 14, 1919.
- 231.** Copy of the Order of the International Joint Commission, in the matter of the measurement and apportionment of the St. Mary and Milk Rivers and their tributaries in the State of Montana and the Provinces of Alberta and Saskatchewan. Presented by Hon. Mr. Rowell, May 30, 1919... .*Not printed.*
- 232.** Return to an Order of the House of the 28th April, 1919, for a copy of Mrs. Hambleton's report, dated in the month of May, 1918, and relating to Canadian flour mills. Presented May 1, 1919.—*Mr. Archambault*... .*Not printed*
- 233.** Return to an Order of the House of the 27th March, 1919, for a Return showing:—Amount expended by the Government on newspaper advertising since August 4, 1915. Presented May 31, 1914.—*Mr. Sinclair*... .*Not printed.*
- 233a.** Supplementary Return to an Order of the House of the 27th March, 1919, for a Return showing:—Amount expended by the Government on newspaper advertising since August 4, 1915. Presented June 2, 1919.—*Mr. Sinclair (Antigonish)*... .*Not printed.*
- 234.** Return to an Order of the House of the 7th April, 1919, for a copy of all correspondence in connection with the lease of the Government Fish Drier at Souris, Prince Edward Island, including copy of the advertisement calling for tenders on the 15th day of May, 1914, and a copy of the lease. Presented May 31, 1919.—*Mr. McIsaac*... .*Not printed.*
- 235.** Return to an Order of the House of the 19th March, 1919, for a copy of all letters, telegrams, petitions and other documents in any way referring to a proposed mail route from Eden Siding to Marble Mountain, Inverness County, N.S. Presented May 1, 1919.—*Mr. Chisholm*... .*Not printed.*
- 236.** Communication from the Senate of Belgium to the Speakers of the Senate and House of Commons of Canada.
(Translation).

BRUSSELS, BELGIUM, April 30, 1919.

The Speaker of the House of Commons,
The Speaker of the Senate,
Ottawa.

Mr. SPEAKER,—I beg to send you and request you to communicate to the Assembly over which you preside the text of the motion unanimously adopted by the Senate during its session of Tuesday, April 29, 1919.

The Senate of Belgium affected by the vote of the Paris Conference which disregards the claims of the City of Brussels to become the seat of the League of Nations, seriously preoccupied by the distressing condition to which the country has been reduced by this most cruel war and convinced that the numberless ruins which cover its territory cannot be restored by its own national resources, most anxiously appeals to your Assembly and implores it to intervene with the greatest possible energy in order to obtain that the solemn promises of prompt and complete restoration so frequently reiterated be now carried out in the spirit of broad equity and generous compassion which inspired them.

Relying upon the sentiments of solidarity which unite all civilized nations and upon the assurance of sincere and profound sympathy which your Assembly so kindly gave to Belgium, the Senate counts upon obtaining from your Assembly its powerful aid and effectual intervention in support of the legitimate and necessary atonements claimed from the Paris Conference for the restoration of this country.

Please accept, Mr. Speaker, the assurance of my greatest respect.

(Signed) Baron de PAVEREAU,
President of the Senate.

Presented by Hon. Mr. Speaker, May 1, 1919... .*Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 237.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, telegrams and other documents exchanged between Mr. L. D. Hara, Acting Superintendent of the Welland Ship Canal, and the Department of Railways and Canals and Justice Department, relative to the seizure of two cars of coal by the Fuel Controller of Thorold, Ont. Presented May 2, 1919.—*Mr. Fraser*... ..*Not printed.*
- 238.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, telegrams and other documents exchanged between Mr. L. D. Hara, Acting Superintendent of the Welland Ship Canal, and the Minister of Railways and Canals or any other person in the said Department relative to notice being served on Mrs. W. Thomas, of Thorold, Ont., to vacate her residence. Presented May 2, 1919.—*Mr. Fraser*... ..*Not printed.*
- 239.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Manitoba Free Press* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented May 2, 1919.—*Mr. Mayrand*... ..*Not printed.*
- 239a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Manitoba Free Press* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Mayrand*... ..*Not printed.*
- 240.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Halifax Herald* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented May 2, 1919.—*Mr. Proulx*... ..*Not printed.*
- 246a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Halifax Herald* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Proulx*... ..*Not printed.*
- 241.** Return to an Order of the House of the 23rd April, 1919, for a return showing how many acres of public land have been given to railway companies in the Dominion of Canada by the Federal Government from 1878 to the present time, and also showing how many acres were granted in each year during the above period of time. Presented by Hon. Mr. Meighen, May 2, 1919... ..*Not printed.*
- 242.** Return to an Order of the House of the 14th April, 1919, for a copy of all documents, correspondence and plans relating to the proposed construction of the Montreal Harbour Commissioners' bridge, extending from the City of Montreal to the South Shore. Presented May 5, 1919.—*Mr. Deslauriers*... ..*Not printed.*
- 243.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto News* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented May 5, 1919.—*Mr. Proulx*... ..*Not printed.*
- 243a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto News* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Proulx*... ..*Not printed.*
- 244.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Globe* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented May 5, 1919.—*Mr. Deslauriers*... ..*Not printed.*
- 244a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the *Toronto Globe* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Deslauriers*... ..*Not printed.*
- 245.** Return to an Order of the House of the 23rd April, 1919, for a copy of all telegrams, letters and other correspondence exchanged between L. D. Hara or other persons connected with the Welland Ship Canal and the Department of Railways and Canals relative to the drowning of Michael Koebel, Lock Tender at Port Colborne. Presented May 5, 1919.—*Mr. Fraser*... ..*Not printed.*
- 246.** Report of the Director of the Military Service Branch on the operation of the Military Service Act, 1917. Presented by Hon. Mr. Meighen, May 6, 1919... ..*Not printed.*

CONTENTS OF VOLUME 10—*Continued.*

- 246a.** Copy of a letter from Mr. Justice Duff, Central Appeal Judge, respecting his appreciation of the work of Mr. S. L. Dale Harris as Central Public Representative in connection with the administration of the Military Service Act. Presented by Sir Robert Borden, June 24, 1919.*Not printed.*
- 247.** Return to an Order of the House of the 14th April, 1919, for a copy of all documents relating to the investigation made by His Honour, Judge F. S. McLennan, in the matter of the soldiers' votes which were deposited at the St. John Barracks, in connection with the General Elections held on the 17th December, 1917: also a copy of the report thereon by the investigating commissioner, comprising the evidence and exhibits relating thereto, and copy of the correspondence and telegrams between the said Commissioner and members of the Government, together with statements of accounts in connection therewith. Presented May 6, 1919.—*Mr. Archambault.*
Not printed.
- 248.** Return to an Order of the Senate dated March 25, 1919, showing:—1. Copies of all Orders in Council for the years 1915, 1916, 1917 and 1918 giving authority for the free importation of machinery and manufactured products or for importation at a lesser rate of duty than provided for in the customs tariff. 2. Classification of machinery or manufactured products so imported. 3. The value thereof. 4. Port or ports of entry. 5. Country of origin.—(*The Senate.*) May 6, 1919.*Not printed.*
- 249.** Return to an Order of the House of the 28th April, 1919, for a Return showing:—1. Quantity of tons of lead pipe, or waste lead pipe, imported into Canada from United States during 1918, and at what ports of entry. 2. Quantity of tons of the different sizes, more particularly 4-inch pipes, so imported. 3. The names of the firms in the United States so exporting. 4. The names of the firms in Canada so importing. Presented May 7, 1919.—*Mr. Lemieux.**Not printed.*
- 250.** Return to an Order of the House of the 2nd April, 1919, for a copy of all correspondence, letters, telegrams and recommendations relating to the appointment of a keeper of Free Stone Island light-house, County of Richmond, Nova Scotia, in the year 1918. Presented May 7, 1919.—*Mr. Duff.**Not printed.*
- 251.** Return to an Order of the House of the 31st March, 1919, for a Return showing amounts paid by the Government for advertising to the following papers: *Dundalk Herald, Flesherton Advance, Markdale Standard, Durham Chronicle, Hanover Post, and Grey (Durham) Review* during the year ending March 26, 1919. Presented May 7, 1919.—*Mr. Proulx.**Not printed.*
- 252.** Return to an Order of the House of the 31st March, 1919, for a Return showing amounts paid the *Toronto Globe* and *Toronto Star*, respectively, for Government advertising during the year ending March 26, 1919. Presented May 7, 1919.—*Mr. Proulx.*
Not printed.
- 252a.** Supplementary Return to an Order of the House of the 31st March, 1919, for a Return showing amounts paid the *Toronto Globe* and *Toronto Star*, respectively, for Government advertising during the year ending March 26, 1919. Presented June 2, 1919.—*Mr. Proulx.**Not printed.*
- 253.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amounts, if any, paid by the Government to the *Montreal Gazette* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented May 8, 1919.—*Mr. Mayrand.**Not printed.*
- 253a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amounts, if any, paid by the Government to the *Montreal Gazette* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented June 2, 1919.—*Mr. Mayrand.* *Not printed.*
- 254.** Return to an Order of the House of the 16th April, 1919, for a copy of all correspondence, telegrams and other documents in connection with the application of the Shell Transport and Trading Company for the grant of certain oil lands. Presented May 12, 1919.—*Mr. Lemieux.**Not printed.*
- 255.** Report of the Ministry Overseas Military Forces of Canada, 1918. Presented by Sir Edward Kemp, May 12, 1919.*Not printed.*
- 256.** Return to an Order of the House of the 12th May, 1919, for a copy of the lease or leases granting the use of some 10,000 acres of land of the St. Peter's Indian Reserve for a term of five years from the first of May, 1918, to Charles Bird and Jacob Jonnason, of St. Peter's, and Rufus Stephen Benson and Rufus Henrickson of Selkirk. Presented May 14, 1919.—*Mr. Robb.**Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 257.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The amount of money the Government has spent during the last twelve months advertising in the daily and weekly papers and periodicals or magazines (a) in Canada, and (b) outside of Canada. 2. Whether the Government paid a higher rate for this advertising than if they had placed it through the regular advertising agencies. Presented May 14, 1919.—*Mr. Pedlow*.*Not printed.*
- 257a.** Supplementary Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The amount of money the Government has spent during the last twelve months advertising in the daily and weekly papers and periodicals or magazines (a) in Canada, and (b) outside of Canada. 2. Whether the Government paid a higher rate for this advertising than if they had placed it through the regular advertising agencies. Presented June 2, 1919.—*Mr. Pedlow*.*Not printed.*
- 258.** Copies of contracts with respect to the reconstruction of the Parliament Building. Presented by Hon. Mr. Carvell, May 15, 1919.*Not printed.*
- 259.** Return to an Order of the House of the 28th April, 1919, for a Return showing:—1. The number of Canadian Officers belonging to the Canadian Expeditionary Force promoted to the rank of Brigadier-General since the beginning of the war, to date. 2. Their names, the military rank which they held at the time they left for overseas, and the military district to which they belong. Presented May 19, 1919.—*Mr. Prevost*.*Not printed.*
- 260.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, petitions and other documents concerning the prosecution entered against Mr. Ben H. Spence, Secretary of the Ontario Branch of the Dominion Alliance, for publishing objectionable matter. Presented May 19, 1919.—*Mr. Lemieux*.*Not printed.*
- 261.** Return to an Order of the House of the 7th May, 1919, for a Return showing:—1. Names of the private cars that were in the wreck on the Toronto and Ottawa train (Canadian National Railways, 21st-22nd April last), and the name of the respective Minister to which each private car is assigned. 2. Who paid for the attendance, transportation and supplies for these private cars respectively, during the trip. 3. The amount of damage which resulted from this wreck for each private car and by whom the said damage will be paid. 4. Number of private cars used by Ministers and high officials of the Government, the name of each car, and the name of each Minister and high official using same. 5. How many of these private cars, if any, have been used from time to time since 1911, by members of the family of the Ministers or high officials exclusively for social and pleasure trips. Presented May 19, 1919.—*Mr. D'Anjou*.*Not printed.*
- 262.** Return to an Order of the House of the 16th April, 1919, for a Return showing:—1. Amount paid by the Government to the Canadian Press Association during the calendar year 1918. 2. Whether the advertising for the last Victory Loan was distributed to the newspapers directly by the Department of Finance, or through advertising agencies. 3. If through advertising agencies, how much was paid in commissions to the advertising agents. 4. The total cost of advertising the last Victory Loan. Presented May 19, 1919.—*Mr. Sinclair*. (*Antigonish*)*Not printed.*
- 263.** Return to an Order of the House of the 12th May, 1919, for a Return showing:—1. Name of the Deputy Minister of the Department of Soldiers' Civil Re-Establishment. 2. When he was appointed. 3. His salary. 4. Whether he is a returned soldier. 5. If not, whether any attempt was made to obtain the services of a returned soldier. 6. Whether the present Deputy Minister has any special qualifications which would fit him to deal with returned men and their problems. 7. What educational experience the present Deputy Minister has. 8. Whether he is familiar with principles of education. 9. Why Mr. Sedgeworth resigned from the position of Director of Vocational Training. 10. Whether Mr. Sedgeworth had any disagreement with the Minister or Deputy Minister on matters of policy affecting the welfare of returned men. 11. Number of people employed on the Publicity Staff of the Department of Soldiers' Civil Re-Establishment, and salary paid to each. 12. Amount expended by this Department during the past six months for publicity purposes. 13. Whether it is true that only returned officers are offered the higher positions in this Department. 14. Whether the previous appointments held by Mr. Sedgeworth and Mr. Robinson were made through the Civil Service Commission. 15. Whether the position of Secretary of the Pension Board has been advertised. Presented May 19, 1919.—*Mr. Power*.*Not printed.*
- 264.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—1. The total number of men recruited during the war, combatants and non-combatants, (a) in the whole of Canada; (b) in each province. 2. The total number of men recruited during the war in Canada, (a) as per nationality; (b) as per religion; (c) as per nationality provincially; and (d) as per religion provincially. 3. The total

CONTENTS OF VOLUME 10—Continued.

- number of men disfranchised in Canada, (a) in the whole of Canada; (b) in each province. 4. The total number of men and women engaged in war work, (a) in Canada; (b) in each province. Presented May 20, 1919.—*Mr. Blake*. *Not printed.*
- 265.** Return to an Order of the House of the 23rd April, 1919, for a copy of the report made by Lt. Jarvis, R.C.N., in regard to the steamer *Stadacona*. Presented May 21, 1919.—*Mr. Duff*. *Not printed.*
- 265a** Return to an Order of the House of the 7th May, 1919, for a Return showing:—1. Whether H.M.C.S. *Stadacona* was repaired by the Halifax Shipyards, Ltd., during the summer of 1918. 2. If so, why repairs were necessary. 3. Cost of the repairs. 4. Whether the *Stadacona* struck a rock on the Cape Breton coast during the year 1918. 5. If so, who was held responsible for the striking of said rock. 6. How many times during the war the *Stadacona* has been aground. 7. Where the vessel was during the month of July, 1917. 8. Whether she, during July, 1917, took a party of Naval Officers to Labrador. 9. If so, the purpose of this trip. 10. Whether the ship was in constant communication with the Naval authorities during that trip. 11. Whether the *Stadacona* was used as a yacht, or to provide living accommodation for any officers in the Canadian Naval Service during 1917 or 1918. Presented May 30, 1919.—*Mr. D'Anjou*. *Not printed.*
- 266.** Return to an Order of the House of the 5th May, 1919, for a Return showing:—1. Value of farm implements exported during the years 1912, 1913, 1914, 1915, 1916, 1917 and 1918. 2. To which countries the said implements were exported, and who the exporters were. 3. Whether any tractors were exported. Presented May 20, 1919.—*Mr. Dechene*. *Not printed.*
- 267.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, petitions and other papers concerning the proposed acquisition by the Dominion Government of the Gaspé Railway System. Presented May 28, 1919.—*Mr. Lemieux*. *Not printed.*
- 268.** Return to an Order of the House of the 19th March, 1919, for a return showing the names, post office addresses, length of service, date of appointment, and yearly remuneration of all fishery guardians in the Province of Nova Scotia, along with a list of the names of the parties by whom the said guardians were recommended. Presented May 28, 1919.—*Mr. Sinclair, (Antigonish)*. *Not printed.*
- 269.** Report of The War Trade Board, from 8th February, 1918 to 31st March, 1919. Presented by Hon. Mr. Maclean, May 28, 1919. *Printed for distribution and sessional papers.*
- 270.** Return to an Order of the Senate, dated May 13, 1919, showing:—1. A copy of the evidence taken on an inquiry of the Department of Railways through the claims agent at Moncton, New Brunswick, into the claim of Mrs. Annie Girroir, of Tracadia, Nova Scotia, widow, for damages to her property by water claimed to have been caused by the narrowing of the railway bridges opposite said property. 2. The names of the witnesses examined. 3. The time spent at said examination. 4. The place where said examination was held. 5. Whether the claimant was present or was represented by Counsel at said inquiry. 6. Whether the claimant was given notice of said inquiry. 7. What length of notice was given claimant previous to the date set for said inquiry. 8. A copy of the decision of the Legal Department of Railways with regard to said claim. (*The Senate*.) May 29, 1919. *Not printed.*
- 271.** Return to an Order of the House of the 19th March, 1919, for a copy of all correspondence, letters and other documents exchanged between the Government or any Department or Commission thereof and Lieutenant Commander J. K. L. Ross, relating to appointments to the staff of the Board of Pension Commissioners, by the Civil Service Commission. Presented May 30, 1919.—*Mr. Kay*. *Not printed.*
- 271a.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, and other documents exchanged between the Government or any Member thereof, or any Department or Commission thereof, and the Board of Pension Commissioners or any Member thereof, relative to appointments to the staff of the Board of Pension Commissioners by the Civil Service Commission. Presented July 5, 1919.—*Mr. Kay*. *Not printed.*
- 272.** Return to an Order of the House of the 5th May, 1919, for a copy of all correspondence between the Government and the City of Quebec and other stockholders in Quebec, London, New York and elsewhere, with reference to the proposed purchase by the Government of the minority stock of the Quebec and Lake St. John Railway and of the Great Northern Railway of Canada, now forming part of the mileage of the Canadian Northern Railway operated by the Government. Presented May 30, 1919.—*Mr. Lavigneur*. *Not printed.*

CONTENTS OF VOLUME 10—*Continued.*

- 272a.** Return to an Order of the House of the 23rd April, 1919, for a copy of all correspondence, between the Government, the City of Quebec and other shareholders of the Great Northern Railway Company of Canada and the Quebec and Lake St. John Railway, as to the acquisition by the Government of the minority holdings of the stock in these railways, which are now being operated by the Government as part of the Canadian National Railway System. Presented May 30, 1919.—*Mr. Lavigneur*.*Not printed.*
- 272b.** Supplementary Return to an Order of the House of the 5th May, 1919, for a copy of all correspondence between the Government and the City of Quebec and other stockholders in Quebec, London, New York and elsewhere, with reference to the proposed purchase by the Government of the minority stock of the Quebec and Lake St. John Railway and of the Great Northern Railway of Canada, now forming part of the mileage of the Canadian Northern Railway operated by the Government. Presented June 19, 1919.—*Mr. Lavigneur*.*Not printed.*
- 273.** Return to an Order of the House of the 8th May, 1919, for a copy of all telegrams, letters, petitions and other documents, exchanged between the Post Office Department and any person in Inverness County during 1918 and 1919, in any way referring to the mail contract for carrying the mails from Inverness Railway Station to Margaree Harbour, N.S. Presented May 30, 1919.—*Mr. Chisholm*.*Not printed.*
- 274.** Return to an Order of the House of the 7th May, 1919, for a Return showing:—1. The refit cost for Canadian trawler *Vimy* during the year 1918. 2. Whether the firm of Burns & Keeler, Halifax, did any work on trawler *Vimy*. 3. If so, amount paid for such work. 4. How long trawler *Vimy* was in Halifax during the year 1918. 5. What the duties of that vessel were in Halifax. Presented May 30, 1919,—*Mr. D'Anjou*.*Not printed.*
- 275.** Reports, Returns and Statistics of the Food and Drug Laboratories of the Department of Trade and Commerce, for the fiscal year ended March 31, 1919. Presented by Hon. Mr. Maclean, June 2, 1919.*Not printed.*
- 276.** Final Report of the Fuel Controller, from the establishment of the office in June, 1917, to March, 1919. Presented by Hon. Mr. Maclean, June 2, 1919.*Not printed.*
- 277.** Return to an Order of the House of the 22nd May, 1919, for a Return showing:—1. Whether any orders for the purchase of fish for shipment overseas were placed with any companies in Canada by the Canadian Government, or any department thereof, or the War Purchasing Commission, in the years 1915, 1916, 1917, 1918, 1919. 2. If so, what the names of the companies are, and the value of the orders placed with each. Presented June 2, 1919.—*Mr. Steele*.*Not printed.*
- 277a.** Return to an Order of the House of the 15th May, 1919, for a Return showing the quantities of fresh (frozen) and salt fish shipped from Canada to England, France and other allied countries overseas, under the direction of the Canadian Government, during the war, distinguishing between salt and fresh fish; also setting forth the quantities supplied to the Canadian troops overseas and the quantity sold to the ordinary consumer; also a statement in detail showing the names and Post Office addresses of the parties from whom the said fish was purchased and the prices paid therefor, respectively. Presented June 21, 1919.—*Mr. Sinclair (Antigonish)*.*Not printed.*
- 278.** Return to an Order of the House of the 26th May, 1919, for a Return showing:—1. Whether Hadley B. Tremaine, M.P., for Hants, is in the employ of the Government of Canada or in any way connected with the Military Forces of Canada. 2. If so, when he was first appointed. 3. In what capacity he is so engaged, and what salary he receives. 4. Pay received from the outbreak of the war up to and including the 12th day of May, 1919. 5. Whether the wife of the said Hadley B. Tremaine is in receipt of separation allowance. If so, how much she has received to date. 6. If the said Hadley B. Tremaine was and is in receipt of pay from the Military Forces of Canada, whether he was and is in receipt of his indemnity as member of the Parliament of Canada. Presented June 2, 1919.—*Mr. D'Anjou*.*Not printed.*
- 279.** Report on Export of Electricity from Canada, and Report of the Power Controller. Presented by Hon. Mr. Maclean, June 2, 1919.*Not printed.*
- 280.** Return to an Order of the House of the 19th March, 1919, for a copy of all papers and correspondence concerning the installation of wireless equipment upon the steamers built or to be built for the Government as well as a copy of all tenders submitted and contracts executed in that connection since August 4, 1914. Presented June 5, 1919.—*Mr. McMaster*.*Not printed.*
- 281.** Letter of the Honourable T. A. Crerar, M.P., to the Right Honourable the Prime Minister resigning his position as Minister of Agriculture and the letter of the Prime Minister in acknowledgment thereof. Presented by Sir Robert Borden, June 6, 1919.*Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 282.** Return to an Order of the House of the 9th April, 1919, for a Return showing:—1. How many attorneys residing and practising in the City of Montreal have been employed by the Government during the fiscal year which expired on March 31, 1919. 2. Their names and how much each one was paid for services rendered. Presented June 9, 1919.—*Mr. Tobin* *Not printed.*
- 283.** Return to an Order of the House of the 21st May, 1919, for a Return showing:—1. Amounts paid to Morrison's Limited, or D. A. Morrison, Amherst, Nova Scotia, for supplies for the military camps and the Internment Camp at that place during the years 1915-16, 1916-17, 1917-18 and 1918-19. 2. Amounts paid Edgar Filmore, Amherst, Nova Scotia, during the above mentioned years. 3. From whom coal has been purchased for the Military Barracks, Armoury and Internment Camp at Amherst, Nova Scotia, during the above mentioned years. 4. Cost per ton for coal so supplied. Presented June 9, 1919.—*Mr. Chisholm* *Not printed.*
- 284.** Return to an Order of the House of the 28th May, 1919, for a Return showing:—1. Number of applications for divorce bills received since Confederation. 2. Number of divorce bills passed during the same period. 3. Number of applications for divorce bills passed during the present Session. 4. Number of divorce bills passed during the present Session. 5. Whether fees have been remitted in connection with same. 6. If so, in how many cases. Presented June 9, 1919.—*Mr. Lemieux* *Not printed.*
- 285.** Return to an Order of the House of the 4th June, 1919, for a Return showing:—1. Amount of goods free of duty, imported by the Dominion Steel Corporation, Limited, into Canada pursuant to contract based on Order in Council, P.C. 758. 2. The nature of these goods. 3. Whether of raw material or manufactured goods. Presented June 9, 1919.—*Mr. Gauthier* *Not printed.*
- 286.** Return to an Order of the House of the 19th May, 1919, for a Return showing:—1. Whether any prizes were taken by the H.M.S. *Niobe* during the war. 2. If so, how many and their estimated value. Presented June 9, 1919.—*Mr. Sinclair* *Not printed.*
- 287.** Return to an Order of the House of the 28th May, 1919, for a copy of all correspondence, petitions, resolutions and other documents in the possession of the Government relating to the establishment of abattoir and cold storage facilities at Halifax, N.S. Presented by Hon. Mr. Burrell, June 11, 1919. *Not printed.*
- 288.** Return to an Order of the House of the 5th June, 1919, for a Return showing:—1. Whether the Government ordered a rebate of 99 per cent off the amount of duty paid on sulphide pulp imported by the Fort Francis Pulp and Paper Company, of Fort Francis, Ontario, in 1918. 2. If so, how much revenue the Government lost in consequence of the said Order. 3. Object of the Order in Council authorizing this Rebate of Customs duty, and at whose request the said Order was passed. 4. How much of such rebate has been applied to reducing the price of newsprint paper to the Western newspaper publishers, and how much the Fort Francis Pulp and Paper Company has been allowed to retain. 5. In view of the fact that auditors, acting on behalf of the Government, have reported that the prices charged for paper by Canadian book paper manufacturers to Canadian publishers are not unreasonable, why the Paper Controller is permitted to make a further drain upon public funds by an additional enquiry into the cost of producing such paper. 6. At whose instigation this new investigation is undertaken. Presented June 11, 1919.—*Mr. Murphy* *Not printed.*
- 289.** Return to an Order of the House of the 1st May, 1919, for a Return showing:—1. The number of persons (not corporations) who paid income tax under clause 4 of the Income War Tax Act, 1917, upon incomes (a) exceeding \$100,000; (b) between \$50,000 and \$100,000; (c) between \$30,000 and \$50,000; (d) between \$20,000 and \$30,000; (e) between \$10,000 and \$20,000; (f) between \$6,000 and \$10,000 and (g) under \$6,000. 2. The total sum collected from each of the above categories. Presented June 11, 1919.—*Mr. Amcs* *Not printed.*
- 290.** Certified copy of an agreement between His Majesty the King and the Moncton and Buctouche Railway Company, Limited, relating to the purchase of the said railway. Presented by Hon. Mr. Reid, June 12, 1919. *Not printed.*
- 291.** Statement of Rents payable by the Department of Public Works throughout the Dominion of Canada, chargeable to "War Appropriation." Presented by Hon. Mr. Carvell, June 12, 1919. *Not printed.*
- 292.** Return to an Order of the House of the 26th March, 1919, for a copy of all letters, telegrams, petitions, correspondence, and documents of all kinds in the Post Office Department, referring in any way to charges against the present Postmaster of Brook Village, Inverness County, Nova Scotia, during the last four years. Presented June 12, 1919.—*Mr. Chisholm* *Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 293.** Return to an Order of the House of the 5th June, 1919, for a Return showing:—1. Referring to page 381 of the Report of the Ministry Overseas Military Forces of Canada, 1918, and to the Chapter entitled, "Canadian Army Medical Corps." Whether Lieutenant-Colonel Jenkins was named by Sir Edward Kemp and the Sub. Militia Council, or by either of them, under Order No. 31, to investigate and report upon the financial or other dealings of the Canadian Army Medical Service in Europe. 2. Whether the said Lieutenant-Colonel Jenkins made progress reports from time to time. If so, whether such progress reports were sent to Sir Edward Kemp's London Office. 3. Whether the said Jenkins, (a) Made a full and final report to Sir Edward Kemp, and (b) Whether the said full and final report was received by the Minister in or about the month of November, 1918. 4. If so, after receiving the said final report, whether Sir Edward Kemp had an interview with the said Colonel Jenkins at which a copy of the said report was produced, and after discussion retained by Sir Edward Kemp. 5. Whether the said report disclosed incompetence, neglect, and the wasting of large sums of money in the Canadian Army Medical Service Overseas. 6. Whether the said Order No. 31 and the final report of Colonel Jenkins will be laid on the table of the House. If so, when. 7. Whether there is any objection to the said Order or Report being produced. If so, what the objection is. Presented June 13, 1919.—*Mr. Murphy.*
Not printed.
- 294.** Report of the Civil Service Commission on the Classification of the Civil Service of the Dominion of Canada, as authorized by the Parliament of Canada. Presented by Hon. Mr. Maclean, June 17, 1919.*Printed for distribution.*
- 294.** Report of the Civil Service Commission on the Classification of the Civil Service of the Dominion of Canada, as authorized by the Parliament of Canada.—(French copy). Presented by Hon. Mr. Maclean, June 26, 1919.*Printed for distribution.*
- 294a.** Report of Transmission to accompany the Classification of the Civil Service of Canada, describing the schedules for the classification of positions and the standardization of compensation, etc. Presented by Hon. Mr. Maclean, June 26, 1919.
Printed for distribution.
- 295.** Return to an Order of the Senate dated May 9, 1919, showing:—Copies of charges and accounts of foundry companies in Nova Scotia against Department of Naval Service for hull repairs and supplies and engine room repairs and supplies H.M.C.S. *Canada*, in fiscal year 1918-19. (*The Senate*).*Not printed.*
- 296.** Return to an Order of the House of the 11th June, 1919, for a Return showing:—1. Amount paid by the Government to the Canadian Car & Foundry Company, Limited, for the use of the Malleable Iron Works, so called, at Amherst, Nova Scotia, as an Internment Camp for alien prisoners. 2. Whether this property is held under lease. If so, when the lease will terminate. 3. Whether there are any outstanding accounts with the above named company against the Government. If so, the nature of these accounts and the respective amounts thereof. Presented June 19, 1919.—*Mr. Copp*.*Not printed.*
- 297.** Return to an Order of the House of the 11th June, 1919, for a Return showing:—1. In how many cases the Honourable Albert Sévigny, K.C., of Montreal, was employed to represent the Government or any Department thereof, at Montreal, or any other place in the Province of Quebec, between the 1st of April, 1918, and the 1st of May, 1919. 2. Amount paid by the Government to the said Honourable Albert Sévigny for his services in each case. Presented June 19, 1919.—*Mr. Lanctot*.*Not printed.*
- 298.** Copy of Order in Council, P.C. 1127, dated 28th May, 1919, respecting a credit of six million dollars to Italy for the purchase of frozen beef now in storage in Canada. Presented by Hon. Mr. Maclean, June 21, 1919.*Not printed.*
- 299.** Progress Reports of the Medical Services, Overseas Military Services of Canada, from January 1, 1917, to March 31, 1919. Presented by Hon. Mr. Calder, June 21, 1919.
Not printed.
- 300.** Return to an Order of the House of the 4th June, 1919, for a Return showing:—1. Referring to page 459 of the Report of the Ministry Overseas Military Forces of Canada, 1918, and to paragraph (c) Topical Films; what the total amount paid for the films in question was. 2. Whether such payment was made by or through the Canadian War Records Office in London. If not, by whom such payment was made. 3. To whom such payment was made. 4. Whether the said films, or moving pictures were exhibited in Canada and elsewhere. If so, in what countries. 5. Whether an admission fee was charged at each of such exhibitions. If so, what the total cash proceeds were and to whom the money was paid. 6. Whether the Canadian Government has received the whole, or any part of the said cash proceeds. If not, what action, if any, has been taken to recover the money. 7. Whether the said films were given, sold, leased, or otherwise disposed of to a private company. If so, the terms and

CONTENTS OF VOLUME 10—Continued.

- the names of the members of such company. 8. Whether it is true, as alleged in certain English papers, that the cost of the Canadian War Paintings which were exhibited in England, was defrayed out of the proceeds of the exhibition of the said films, or moving pictures. If so, who had the custody of the funds if they were not turned over to the Government. 9. Whether the Famous Players Film Company had any connection with any of the matters hereinbefore enquired about. If so, what and on what terms. Presented June 21, 1919.—*Mr. Murphy*.*Not printed.*
- 301.** Return to an Address to His Excellency the Governor General of the 24th April, 1918, for a copy of the correspondence and all papers generally exchanged between the Canadian Government, the Imperial authorities and certain portions of His Majesty's Dominions with a view to give effect to the conclusions of the Dominion Royal Commission. Presented June 23, 1919.—*Mr. Lemieux*.*Not printed.*
- 302.** Return to an Order of the House of the 4th June, 1919, for a copy of the report made by Mr. Décarie, local superintendent of the Department of Public Works, relating to the wharf at Cacouna East; also copy of the petition showing the names of the persons who signed requesting the construction of said wharf; also copy of the reports, letters, petitions and requests received from J. A. Tremblay respecting said wharf. Presented June 23, 1919.—*Mr. Gaurcau*.*Not printed*
- 303.** Correspondence relating to the resignation of Lieut-Colonel F. McKelvey Bell, M.D., as Director of Medical Services. Presented by Sir Robert Borden, June 24, 1919.*Not printed.*
- 304.** Return to an Order of the House of the 7th April, 1919, for a copy of all correspondence, petitions and other papers concerning the parole or pardon of one Charles McMillan, one Pearson, and one Heaton, sentenced to a certain term of imprisonment in the Alberta Penitentiary. Presented June 26, 1919.—*Mr. Mackie, (Edmonton)*.*Not printed.*
- 305.** Copy of an opinion given by the Minister of Justice *re* Interprovincial traffic in intoxicating liquor, and copy of an opinion given by the Acting Deputy Minister of Justice on the same subject. Presented by Sir Robert Borden, June 27, 1919.*Not printed.*
- 306.** Third Report of the War Purchasing Commission, covering period from April 1, 1918, to March 31, 1919. Presented by Sir Robert Borden, July 1, 1919.*Not printed.*
- 307.** Return to an Order of the House of the 30th April, 1919, for a Return showing the number of conscientious objectors still in jail for contravention of the Military Service Act. Presented July 1, 1919.—*Mr. Lemieux*.*Not printed.*
- 308.** Return to an Order of the House of the 23rd June, 1919, for a Return showing:—1. Pensions granted by the Board of Pension Commissioners during the year ending December 31, 1918. 2. Number of pensions refused by said Board during 1918. 3. Whether a member of the Board of Pension Commissioners examined each case before granting or disallowing the same. 4. Whether the granting or disallowing of claims was signed by a member of the said Board, and individually checked by them. 5. Number of complaints regarding pensions made to the said Board of Pension Commissioners during 1918, and during the months of January, February, March and April, 1919. 6. Total expenditure for pensions for the year ending December 31, 1918. 7. Total expense of administering the Pension Act for the year ending December 31, 1918. Presented July 1, 1919.—*Mr. McGibbon*.*Not printed.*
- 309.** Return to an Order of the House of the 26th March, 1919, for a copy of all letters, telegrams, petitions, or other documents on file with the Post Office Department received since January 1, 1912, relating to the keeping open or closing of the post office at Sea View, P.E.I. Presented July 1, 1919.—*Mr. Sinclair, (P.E.I.)**Not printed.*
- 310.** Return to an Order of the House of the 19th March, 1919, for a Return showing:—The amount, if any, paid by the Government to the Halifax *Chronicle* for printing, advertising, job or other work for each of the following five fiscal years: 1914, 1915, 1916, 1917, 1918. Presented July 1, 1919.—*Mr. Proulx*.*Not printed.*
- 311.** Return to an Order of the House of the 11th June, 1919, for a Return showing:—1. Rentals paid by the Government during the years 1914, 1915, 1916, 1917, 1918 and 1919, to Mr. Huntley Drummond, of Montreal, for the lease of the Drummond Building. 2. Departments of the Government which were, and are located in the said building. Presented July 1, 1919.—*Mr. Brouillard*.*Not printed.*
- 312.** Return to an Order of the House of the 5th May, 1919, for a Return showing:—1. What rental per month the Government pays for all branches of Government service in the City of Edmonton. 2. What several branches of Government service are represented in Edmonton. 3. What building or buildings they occupy, and the monthly rental of each branch of the service. Presented July 1, 1919.—*Mr. Douglas, (Strathcona)*.*Not printed.*

CONTENTS OF VOLUME 10—Continued.

- 313.** Return to an Order of the House of the 8th May, 1919, for a copy of all letters, telegrams and other papers regarding the supplies purchased for Yukon Telegraph Lines during the fiscal year 1918-1919, including copy of all tenders, the names of the tenderers and the amount of each tender. Presented July 2, 1919.—*Mr. Lemicux*... *Not printed.*
- 314.** Return to an Order of the House of the 23rd April, 1919, for a copy of all letters, telegrams, memoranda, contracts, reports, despatches, recommendations, agreements made, received, sent or entered into by any of the Departments of the Government, and any persons, companies or corporations with reference to, or resulting from the construction of the dam across the St. Maurice river at the place called Grand'Mère. Presented July 4, 1919.—*Mr. Desautniers*... *Not printed.*
- 315.** Return to an Order of the House of the 23rd April, 1919, for a copy of all reports, recommendations, letters, memoranda, messages and estimates having reference to the construction of the piers used to anchor the booms which hold the logs that are floated on the St. Maurice river at Ste. Flore Station or above the Grand'Mère dam. Presented July 4, 1919.—*Mr. Desautniers*... *Not printed.*
- 316.** Return to an Order of the House of the 25th June, 1919, for a Return showing:—1. When the War Bonus was distributed to the Inside Civil Service. 2. What Departments received said bonus. 3. Whether the same amounts were distributed to every Civil Servant in each Department. 4. Whether a bonus was distributed to the Civil Servants in the Soldiers' Civil Re-Establishment Department, and in the Department of the Board of Pensions Commissioners. 5. Whether any bonuses were distributed to the Civil Servants in the Department of the Canada Food Board. If so, when, if not, why. 6. Whether a Civil Servant who was employed in the Militia Department at the time the first Order in Council was passed granting bonuses, is entitled to said Bonus, although said Civil Servant has been transferred to another Department since. 7. Whether it is the intention of the Government to grant Bonuses this year. Presented July 4, 1919.—*Mr. Archambault*... *Not printed.*
- 317.** Return to an Order of the House of the 8th May, 1919, for a Return showing the amounts paid for advertising, printing, etc., by the various Departments of the Government during the fiscal years 1916, 1917, 1918 to the following newspapers: The Brantford *Expositor*, The Woodstock *Sentinel Review*, The Stratford *Beacon*, The Kingston *Whig*, The Hamilton *Times*, The Toronto *Globe*, The Toronto *Star*, the Guelph *Mercury*, The Niagara Falls *Review*, The St. Catharines *Journal*, The Ingersoll *Chronicle*, The Orillia *Times*, The Belleville *Ontario*, The Simcoe *Reformer*, The Richmond Hill *Liberal*, The Acton *Free Press*, The Mitchell *Recorder*, and the Owen Sound *Sun*. Presented July 4, 1919.—*Mr. Lemicux*... *Not printed.*
- 318.** Report of the Administrative Chairman of the Honourary Advisory Council for Scientific and Industrial Research of Canada, for the year ending March 31, 1919. Presented by Hon. Mr. Burrell, July 4, 1919... *Not printed.*
- 319.** Return to an Order of the House of the 23rd June, 1919, for a copy of all reports, Orders in Council, and all other papers in connection with the Halifax Relief Commission, including a statement of all receipts and expenditures in this connection up to May 31, 1919. Presented July 4, 1919.—*Mr. Duff*... *Not printed.*
- 320.** Return to an Order of the House of the 19th May, 1919, for a copy of all correspondence, memoranda, reports, plans and estimates relating to the construction of the retaining wall, along the shore of the St. Lawrence River, opposite the village of St. François-Xavier de Batiscan, in the County of Champlain. Presented July 5, 1919.—*Mr. Desautniers*... *Not printed.*
- 321.** Return to an Order of the House of the 9th June, 1919, for a copy of all documents, telegrams and correspondence between the Federal Department of Agriculture and the Department of Agriculture of Prince Edward Island, or any person or persons in the Maritime Provinces, relating in any way to the Maritime Seed Fair, held in Summerside, Prince Edward Island, in 1918. Presented July 5, 1919.—*Mr. Sinclair, (P.E.I.)* *Not printed.*
- 322.** Return to an Order of the House of the 3th June, 1919, for a Return showing for each year from July 1, 1867, the amount received into the Dominion Treasury as (a) Customs duties; (b) Excise duties; (c) Custom and Excise duties together; also amount paid to the Governments of the Provinces as (a) allowances for support of governments and legislatures; (b) annual grants of subsidy to the said Governments; (c) allowances and subsidy together, and the proportion which such payments bore to the receipts from Custom and Excise. Presented July 5, 1919.—*Mr. Fielding*... *Not printed.*
- 323.** Ordinances of the Yukon. Presented by Hon. Mr. Rowell, July 5, 1919... *Not printed.*

FIFTY-FIRST ANNUAL REPORT

OF THE

DEPARTMENT OF MARINE
AND FISHERIES

FOR THE

FISCAL YEAR 1917-18

MARINE

PRINTED BY ORDER OF PARLIAMENT.



OTTAWA
J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1918

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc., etc.,
Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

I have the honour to submit herewith, for the information of Your Excellency and the Parliament of Canada, the Fifty-first Annual Report of the Department of Marine and Fisheries, Marine Branch.

I have the honour to be,

Your Excellency's most obedient servant,

C. C. BALLANTYNE,
Minister of Marine and Fisheries.

DEPARTMENT OF MARINE,

OTTAWA, October, 1918.

TABLE OF CONTENTS

REPORT SUBMITTED BY MINISTER.

REPORT OF DEPUTY MINISTER. Subjects paged in summary below.

A

	PAGE.
Arrivals, British, weekly from April 1, 1917, to April 1, 1918.	9-10
Allied and neutral shipping, losses and building from August, 1914, to January, 1918.	11
Allied shipping, losses and building from August, 1914, to January, 1918.	12
American shipping, output for 1918.	12
American assembling yards.	13
" new yards.	12
American tonnage under contract and afloat.	13
American workmen, training of.	14
Australia, purchase of steamers.	15
Appropriation, 1917-18.	28
Agencies—Abstracts of Annual Reports of—Halifax agency.	94
" " " " Sydney, N.S., sub-agency.	94
" " " " Pictou, N.S., sub-agency.	94
" " " " St. John, N.B., agency.	95
" " " " Charlottetown, P.E.I., agency.	95
" " " " Montreal, P.Q., agency.	95
" " " " Quebec, P.Q., agency.	95
" " " " Prescott Depot, Ont., agency.	96
" " " " Fort William, Ont., sub-agency.	96
" " " " Kenora, Ont., sub-agency.	96
" " " " Victoria, B.C., agency.	97
" " " " Prince Rupert, B.C., sub-agency.	97

B

British American Shipbuilding Company, Limited.	15-20
British weekly sinkings and arrivals, from April 1, 1917, to April 1, 1918.	9-10
British sinkings, monthly tonnage, chart of.	10
Balance unexpended on appropriation, 1917-18.	28
Belleville, Ont., Harbour Commissioners, report of.	103
British Columbia Salvage Company, Limited, report of.	107

C

Chart, monthly tonnage of British sinkings.	10
Canada and sea transport.	14
Canadian Government shipbuilding programme.	14-16
Canadian Vickers, Limited.	15-19
Canadian Allis Chalmers, Limited.	15-20
Collingwood Shipbuilding Company, Limited.	15-22
Coughlan & Sons, Limited.	15-21
Canadian Marine, personnel.	17-18
Canadian Shipbuilding disabilities.	18
Canadian Shipbuilding plants, operations of.	19-22
Cameron Genoa Mills, Limited.	21
Canadian shipping, statistics of.	23
Canada, statement of number of vessels and number of tons on registry books on December 31, 1917.	24-25
Canada, comparative statement of number of vessels and number of tons on registry books on December 31, from 1908 to 1917, inclusive.	26
Canada, comparative statement of new vessels built and registered in the Dominion of Canada and their net tonnage during the year ended December 31, in each year from 1908 to 1917, both inclusive.	27
Contracts for Canadian Government vessels.	15
Canadian ships, standardizing of.	16
Canadian wooden shipbuilding plants.	22
Canada, statement showing the number of vessels removed from registry during 1917.	28
Correspondence, Marine Department.	28

C

	PAGE.
Chief Engineer's Report on office work	29
" " publications	29
" " personal inspections	29
" " removal of obstructions	30
" " maintenance and repairs to wharves	30
" " icebreaking	30
" " new aids to navigation, etc., in—	
" " Nova Scotia	31
" " New Brunswick	32
" " Prince Edward Island	32-33
" " Quebec	33
" " Montreal agency	33-34
" " Ontario	34
" " British Columbia	35
" " recapitulation of expenditure	35
Commissioner of Lights' Report—	
" " Statement by districts showing the number of lights of the several orders, lightships, lightboats, light-keepers, fog signals, buoys, submarine bells, etc.	36
" " Statement of unlighted aids to navigation maintained in—	
" " New Brunswick district	37
" " Nova Scotia district	37-39
" " Prince Edward Island district	39
" " Quebec district	39-40
" " Montreal district	40
" " Prescott district	40
" " Parry Sound district	40
" " Kenora district	41
" " Manitoba district	41
" " British Columbia district	41
Charlottetown Agency—Abstract of Report	95

D

Davie Shipbuilding and Repairing Company	15-22
Dominion Shipbuilding Company	22
Disabilities, Canadian Shipbuilding	18

E

Expenditure and Revenue, 1917-18	28-56-57
--	----------

F

Firms, Canadian Shipbuilding	15
--	----

G

Grants to seaman's institutes	70
---	----

H

Halifax Agency—Abstract of Report	94
Harbour Commissioners, Report of, Montreal, P.Q.	98-100
" " " Three Rivers, P.Q.	100-102
" " " Pictou, N.S.	102-103
" " " Belleville, Ont.	103
" " " Toronto, Ont.	104
" " " Vancouver, B.C.	105
" " " Quebec, P.Q.	105-106

I

Insurance rates and St. Lawrence route	18
Inspection, Steamboat	28

J

Japanese Shipbuilding Programme	14
---	----

SESSIONAL PAPER No. 21

K

Kingston Shipbuilding Company.....	PAGE. 22
------------------------------------	-------------

M

Midland Shipbuilding Company, Limited.....	15-19
Merits, Canadian Shipbuilding Plans.....	16
Meteorological Service—Report of Director.....	58
“ “ Quebec Observatory.....	64
“ “ St. John, N.B. Observatory.....	64-65
“ “ Victoria, B.C. Observatory.....	65-67
Marine Hospital Service—Report of Medical Superintendent.....	68-70
Masters and Seamen Branch—Report of Officer in Charge.....	92
“ “ Pilotage.....	92
Montreal Agency—Abstract of Report.....	95
Montreal Harbour Commissioners' Report.....	98-100

N

New Yards, American.....	12
Nova Scotia Steel Company, Limited.....	15-22
Navigation, Season of.....	28

O

Operations of Canadian Shipbuilding Plants.....	19-22
---	-------

P

Port Arthur Shipbuilding Company.....	15-20
Personnel, Canadian Marine.....	17-18
Polson Iron Works, Limited.....	15-22
Pilotage—Report of Officer in Charge.....	92
Pictou, N.S., sub-agency—Abstract of Report.....	94
Prescott Depot—Abstract of Report.....	96
Pictou, N.S., Harbour Commissioners' Report.....	102-103
Port Wardens' Reports.....	107

Q

Quebec Salvage and Wrecking Company, Report of.....	107
---	-----

R

Revenue and Expenditure, 1917-18.....	28-56-57
Record of Shipping, Halifax Citadel.....	93
Reports of Subsidized Wrecking Companies.....	107
Returns of Shipping Masters for year ending December 31, 1917.....	108

S

Shipping—American output for 1918.....	12
“ Allied and neutral losses and building from August, 1914, to January 1, 1918..	11
“ Allied losses and building from August 1914, to January 1, 1918.....	12
Shipbuilding—Japanese Programme for 1918.....	14
“ Canadian Government Programme.....	14-16
“ Wooden Plants in Canada.....	22
Sea Transport and Canada.....	14
Statistics of Canadian Shipping.....	21
Statement of number of Canadian vessels and tons on registry books on December 31, 1917.....	24-25
Statement, comparative, of Canadian vessels and tons on registry books on December, 31, from 1908 to 1917, inclusive.....	26
Statement, comparative, of new vessels built and registered in the Dominion of Canada and their net tonnage during the year ended December 31, in each year from 1908 to 1917, both inclusive.....	27
Statement Canadian vessels removed from registry during year ended December 31, 1917.....	28
Standardizing Canadian Ships.....	16
St. Lawrence River insurance rates.....	18
Season of Navigation.....	28

S

	PAGE.
Steamboat Inspection	28
St. Lawrence River Ship Channel—Report of Superintending Engineer	42
“ “ General information	42
“ “ Division 1 (Montreal to Sorel)	42-43
“ “ “ 2 (Sorel to Batiscan)	43
“ “ “ 3 (Lake St. Peter)	43
“ “ “ 4 (Batiscan to Quebec)	44
“ “ “ 5 (Quebec to the Traverse)	44
“ “ Accidents in 1917	44-45
“ “ Marine Signal Service	45-46
“ “ Icebreaking, 1917-18	47
“ “ Average monthly depth in 27½-foot channel	47
“ “ Average monthly depth in 30-foot channel	47
“ “ Cost of Ship Channel to date	48
“ “ Progress of dredging operations, 30-foot project	48-49
“ “ Progress of dredging operations, 35-foot project	50-51
“ “ Abstract of work of dredging fleet, 1917-18	52-53
Sorel Shipyard—Report of Superintendent	54-55
“ New construction	54
“ Buoys	55
“ General	55
Signal Station, Halifax Citadel—Record of Shipping	93
Sable Island—Report of Superintendent	93
St. John, N.B., Agency—Abstract of Report	95
Sydney, N.S., Sub-agency—Abstract of Report	94

T

Tonnage, American, under contract and afloat	13
Training of American workmen	14
Thor Iron Works, Limited	15
Tidewater Shipbuilding Company	15-22
Toronto Harbour Commissioners' Report	104
Three Rivers Harbour Commissioners' Report	100-102

V

Victoria, B.C., Agency—Abstract of Report	97
Vancouver, B.C., Harbour Commissioners' Report	105

W

Wallace Shipyards, Limited	15-21
Western Canada Shipyards, Limited	20
Wrecks and Casualties—Report of Wreck Commissioner	71
“ Statement of investigations into	71-75
“ Statement of coasting and sea-going wrecks	76-89
“ Statement of inland waters wrecks	90-91

Y

Yards, American assembling	13
Yarrows, Limited, Esquimalt, B.C.	26

REPORT

OF THE

DEPUTY MINISTER OF MARINE AND FISHERIES

To the HON. C. C. BALLANTYNE,
Minister of Marine and Fisheries.

SIR,—I have the honour to submit herewith my report for the fiscal year ending March 31, 1918.

As was the case last year, and possibly even to a greater extent, the question of supreme moment not only in the shipping world but in the world at large is the relation of ship building to ship sinking, for on this may hinge the issue of the war.

A part of this report will accordingly be devoted to ship losses by submarine and mine, the production of ships generally in Great Britain and the United States to offset these losses, and a detailed account of the part Canada proposes to take in the building of ships to supply much-needed sea transport for the Empire during the war, and to provide adequate means for carrying her own commodities overseas, in the period of reconstruction that will follow.

WEEKLY British Sinkings, Sailings and Arrivals from April 1, 1917, to April 1, 1918.

Week ended.	Over 1,600 tons.	Under 1,600 tons.	Sailings and Arrivals.
April 8.....	17		4,773
" 15.....	19	9	4,710
" 22.....	40	15	5,206
" 29.....	38	13	5,406
May 6.....	24	22	4,873
" 13.....	18	5	5,120
" 20.....	18	9	5,423
" 27.....	18	1	5,487
June 3.....	15	3	5,335
" 10.....	22	10	5,589
" 17.....	27	5	5,890
" 24.....	21	7	5,799
July 1.....	15	5	5,591
" 8.....	14	3	5,696
" 15.....	14	4	5,748
" 22.....	21	3	5,582
" 29.....	18	3	5,523
August 5.....	21	2	5,469
" 12.....	14	2	5,442
" 19.....	15	3	5,602
" 26.....	18	5	5,309
September 2.....	20	3	4,816
" 9.....	12	6	5,612
" 16.....	8	20	5,432
" 23.....	1	2	5,466

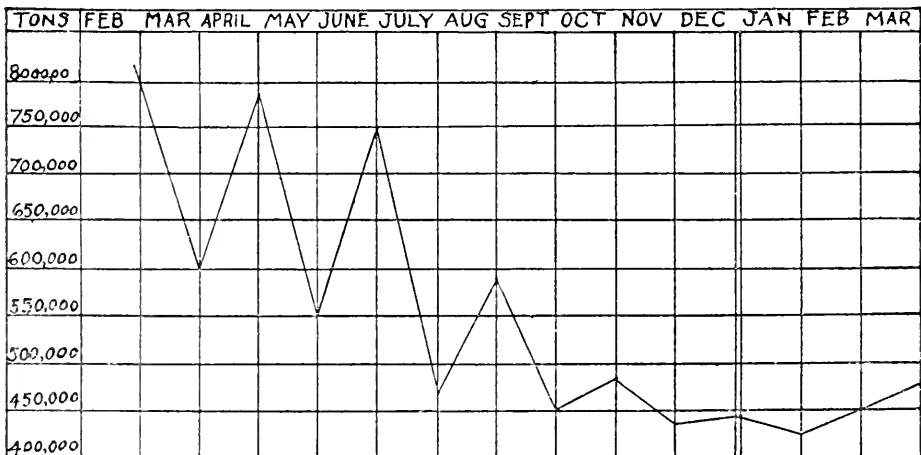
9 GEORGE V, A. 1919

WEEKLY British Sinkings, Sailings and Arrivals, etc.—*Continued.*

Week ended.		Over 1,600 tons.	Under 1,600 tons.	Sailings and Arrivals.
Sept.	30.....	11	2	5,422
October	7.....	14	2	5,151
"	14.....	12	6	4,218
"	21.....	17	8	5,337
"	28.....	14	4	4,606
November	4.....	8	4	4,733
"	11.....	1	5	4,432
"	18.....	10	7	4,994
"	25.....	14	7	4,180
December	1.....	10	1	4,307
"	8.....	11	7	4,810
"	15.....	14	3	4,960
"	22.....	11	1	4,771
"	29.....	18	3	4,185
January	5.....	18	3	4,329
"	12.....	6	2	4,290
"	19.....	6	2	4,497
"	26.....	9	6	4,661
February	2.....	12	5	4,712
"	9.....	13	7	4,675
"	16.....	10	3	4,715
"	23.....	14	3	4,672
March	2.....	12	6	4,224
"	10.....	15	3	4,108
"	17.....	11	6	4,445
"	24.....	16	12	4,959
"	31.....	6	7	4,795
Total.....		896	334	289,127

Total number of ships sailing to and from British ports during the fiscal year 1917-18, exclusive of fishing vessels, 289,127; total losses due to war causes, 1,230, or 0.425 per cent.

MONTHLY Tonnage Chart of British Sinkings (deadweight) from February, 1917, to April, 1918.



SESSIONAL PAPER No. 21

The months of February and March, 1917, have been included in this chart for the reason that in February, 1917, the German toll of British ships reached its maximum, approximately 825,000 tons, and very nearly fulfilled the boast of the German Admiralty to sink 1,000,000 tons of British shipping monthly. During this month very possibly 1,000,000 tons of allied shipping were sunk.

The sharp up-and-down curve of this chart for some months is very marked; March drops to 600,000 tons, April rises to nearly 800,000 tons, May drops to 500,000 tons, June rises to 750,000 tons, July drops to 475,000 tons, August rises to 600,000 tons, and then from September, 1917, to April, 1918, the curve is much flatter, the sinkings for these months averaging about 450,000 tons, and never exceeding 500,000 tons.

If the sinkings for the seven months from February to August, 1917, are compared with the sinkings for the seven succeeding months, September to December, 1917, and January to April, 1918, it will be seen at once that the British losses by German submarine and mine have been cut down by about one-half, and this is not the only encouraging feature, for in the last seven months up to April, 1918, twice as many German submarines were sunk as in the previous seven, according to a diagram of "submarines sunk" issued by the British Admiralty.

LOSSES AND BUILDING OF ALLIED AND NEUTRAL SHIPPING FROM AUGUST, 1914, TO JANUARY 1, 1918.

The figures are taken from the *New York Journal of Commerce*.

Japan is excluded from the estimate, as her ships are not operating in the war zone to any extent.

Total tonnage of allied and neutral countries on August 4, 1914 (date of British declaration of war), 42,000,000.

Losses by mine and submarine, 9,500,000 tons; other marine casualties, 1,275,000 tons; total casualties, 10,775,000 tons; leaving a balance of pre-war tonnage still afloat on January 1, 1918, of 31,225,000 tons.

Shipping built and afloat from commencement of war to January 1, 1918:—

	Tons.
Great Britain, 1915	668,000
" " 1916	538,000
" " 1917 (estimated)	1,400,000
Total	2,606,000
United States, 1915	141,864
" " 1916	237,836
" " 1917 (estimated)	1,000,000
Total	1,379,700
Other construction	500,000
Total construction allied and neutral shipping	4,485,000
Pre-war tonnage still afloat on January 1, 1918	31,225,000
Total tonnage afloat on January 1, 1918	35,710,000

As the total tonnage in August, 1914, was 42,000,000, the decrease is 6,290,000 tons.

9 GEORGE V, A. 1919

LOSSES AND BUILDING OF ALLIED SHIPPING FROM AUGUST, 1914, TO JANUARY 1, 1918.

Allied shipping in August, 1914, in round numbers:—

	Tons.
Great Britain	20,000,000
France	2,300,000
Italy	1,700,000
United States	8,000,000
Total	32,000,000

Losses from all sources since beginning of war up to January 1, 1918, 9,500,000 tons, leaving a balance of pre-war tonnage still afloat of 22,500,000 tons.

Constructed by United States and Great Britain and now afloat, and enemy vessels (ocean-going) commandeered, 2,400,000 tons; tonnage afloat on January 1, 1918, 24,900,000 tons; decrease since August, 1914, of 7,100,000 tons.

To keep pace with the growing population and commerce of a maritime country, it is computed that its tonnage should be increased by about 5 per cent annually; that is, allied tonnage on January 1, 1918, to meet ordinary peace requirements should have totalled 38,400,000 tons, so that the shortage of tonnage to properly carry on transportation in peace time amounts to 13,500,000 tons, and the strain of war transport is greater.

The crowning need of an increased output of ships is apparent.

During the months of January, February, and March the allied losses in dead-weight tonnage were approximately as follows: January, 425,000 tons; February, 450,000 tons; March, 475,000 tons; total, 1,350,000 tons.

Completed shipping (not vessels launched) turned out by British yards during the months of January, February, and March: January, 83,382 tons deadweight; February, 150,057; March, 242,511; total output for the three months, 475,950 tons.

Completed shipping (not vessels launched) turned out by American yards during the months of January, February, and March: January, 79,541 tons; February, 120,700; March, 166,700; total output for the three months, 366,941 tons. Total British and American output for the months of January, February, and March, 1918, 842,891 tons; to this can be added 1,000,000 tons of Dutch merchant shipping commandeered by Britain and America during March, and 150,000 tons of Japanese shipping recently transferred to American register; total, 1,992,891 tons. As the losses for January, February, and March were 1,350,000 tons, the allied shipping situation on April 1, 1918, is better than on January 1, 1918, by 642,891 tons.

AMERICAN SHIPPING OUTPUT, 1918.

The merchant shipping tonnage that will be put afloat by America in 1918 bids fair to be a potent factor in the defeat of the German submarine, for America, at a stride, has attained the foremost place among shipbuilding nations.

The statistics here given are taken from a statement made to the "National Marine League" by Mr. Edward N. Hurley, Chairman of the United States Shipping Board, and published in the *New York Times* of March 27, 1918.

NEW YARDS.

The statement lays stress on the vital need of ships to insure the full power of America in men, munitions, and supplies, being brought into play in the war zone, and then goes on to state what has already been done and is being done to supply this need.

At the time of America's entry into the war there were 37 steel shipyards in the country; there are now 81 additional yards for the building of steel and of wooden ships, while 18 of the original yards have been expanded.

SESSIONAL PAPER No. 21

At the outset the 37 old yards began increasing their capacity and now have 195 ways as against the original 162. Thirty new steel yards are built or building, with a total of 203 ways. The aggregate of 67 steel shipyards will have a total of 398 ways; of these, 35 yards with 258 ways, are on the Atlantic and Gulf coasts; 19 with 66 ways on the Pacific, and 13 with 74 ways on the Great Lakes.

With regard to the yards for the building of wooden ships, the original 24, with 73 shipways, have now been increased to 81, with 332 ways, either completed or nearing completion.

The 332 wooden ways added to the 398 steel ways give a grand total of 730 ways for the building of steel and of wooden ships, or 521 more berths than at present obtain in England, according to a recent statement of Sir Eric Geddes.

ASSEMBLING YARDS.

This term has been applied to three huge yards at Hog Island, near Philadelphia, on the west bank of the Delaware river, Newark Bay, N. J., and Bristol, Penn., because fabricated shipbuilding material from all parts of the United States is sent to them to be made up into the completed ship.

Hog Island, the largest of these, and by far the largest single shipbuilding yard and plant in the world, has 50 ways, Newark Bay 28, and Bristol 12.

The work of building these yards, with their numerous ways, in waste places and under the most trying weather conditions which induced severe congestion of traffic has been remarkable to a degree. Owing to their size, the output of these yards will be cumulative; thus at Newark Bay, 15 keels are already laid on the 15 completed ways, the remaining 13 ways are nearing completion; when these are finished a number of the ships on the first 15 ways will have been built, and these vacant ways plus the additional thirteen will all be available for the laying down of new keels; in the case of the Hog Island yard, owing to the much larger number of ways this cumulative effect will be nearly doubled.

It is estimated that when these three assembling yards are in full operation and being worked at pressure, they will turn out nearly as much tonnage in the course of a year as Great Britain has hitherto been able to produce in the same period.

TONNAGE UNDER CONTRACT AND AFLOAT.

The American yards had at the outset, under contract, 8,205,708 deadweight tons of steel merchant shipping, divided as follows: 5,160,300 tons under contract with the Emergency Fleet Corporation, and 3,045,508 tons of requisition vessels; and 1,715,000 tons of wooden vessels as well; what part of this vast project will be completed by the close of 1918 is at present, of course, impossible to determine, but this much is certain, on March 1, 1918, 655,456 tons or approximately 8 per cent were completed and in use, the output for the month of March was 188,275 tons, a total of 843,731 tons of American new construction afloat by April 1, 1918.

Besides this new construction, 112 German and Austrian vessels interned in American ports and badly crippled by their crews, were repaired and made serviceable; these represented a carrying capacity of 800,000 tons, if to this tonnage and to the new construction tonnage be added the 1,000,000 tons of Dutch merchant shipping commandeered in British and American ports during the month of March, and the 150,000 tons of Japanese shipping recently transferred to America in exchange for steel plates, it gives a total additional tonnage of 2,793,731 afloat on April 1, 1918, for the service of the Allies.

TRAINING OF WORKMEN.

The methods adopted in the United States for the intensive training in shipbuilding of their new workmen merit close attention by maritime or prospective maritime peoples.

In a large training school established at Newport News, Va., 247 skilled mechanics selected from 22 different yards, have been undergoing a six-weeks' course of intensive training for the purpose of fitting them for positions as instructors of recruits joining the various yards; 115 of these have already completed their course, and are now acting as instructors; the full force will be capable of training an industrial army of 37,000 men.

A special department for the training of electric welders has been organized, and a volunteer force of 250,000 craftsmen enrolled who have placed their services in regard to both time and place at the absolute disposal of the Government in the prosecution of their shipbuilding plans.

JAPANESE SHIPBUILDING PROGRAMME, 1918.

Japan has not been included in the estimates already given, as her shipbuilding has been entirely in her own interest, and very few of her merchant ships enter the war zone; it may not always be so, however, should the war continue; the Japanese shipbuilding programme for 1918 is therefore of interest.

According to the New York *Nautical Gazette*, which gives the names of the Japanese owners, and the yards in which the ships are building, the Japanese plan of shipbuilding for 1918 comprises 88 ships of 644,414 total deadweight tonnage.

Japan now ranks third among the nations of the world in shipbuilding, and fifth in merchant tonnage.

CANADA AND SEA TRANSPORT.

Prior to the war, and for sometime after, there were ten large ship companies operating between Canadian and British and Continental ports; owing, however, to the increasing toll of British, Allied, and Neutral shipping taken by mine and submarine and the shortage resulting, the demand for ships grew more insistent, and a number of vessels were taken from the Canadian and transferred to the Mediterranean and other routes wherever the need was most pressing; so that the conditions facing Canada to-day are, that whereas a few years ago there were ten companies operating at full capacity between Canadian and British and Foreign ports, there are now only about half that number with less than half the previous number of ships, operating intermittently.

In the reconstruction period after the war there will be an increased demand for Canadian raw material and foodstuffs, and very possibly for manufactured articles as well, Canada being now a very much better known and more widely advertised country; as British shipping to this country has been cut down by one-half and is not likely to be re-established for some years, owing to the lack of shipping everywhere and the need of shipping on all routes, it is apparent that if Canada is to have the required transportation, she must acquire the necessary ships.

GOVERNMENT SHIPBUILDING PROGRAMME.

There are three ways of establishing a merchant marine: by purchase outright, by placing orders with foreign shipyards for delivery at a stated time, or by building in home shipyards.

SESSIONAL PAPER No. 21

Australia during the first years of the war, feeling the pinch of lack of transport, bought sixteen cargo steamers, which not only relieved the congestion of her own export trade, but were of service in the general carrying trade of the Empire.

The great advantage of outright purchase is that the earning power of the ships, and payment of dividends on their outlay, begin at once; the deadweight price of freighters just now for immediate or prompt delivery is abnormally high, about \$200 per ton, and indeed it is doubtful if any considerable number could now be obtainable at that or almost any price, as shipyards all over the world, including those of the Japanese, are being worked to their full capacity to supply ships for their own merchant marine, in anticipation of the tremendous demands that will be made on ocean tonnage in the period following the war.

Taking these factors into account the Canadian Government has decided to build annually 200,000 tons of merchant shipping at an estimated cost of between \$40,000,000 and \$50,000,000.

The principal shipyards for the building of steel cargo vessels at present operating in Canada are as follows:—

No.	Firm.	Plant.	No. of Berths.
1	The Davie Shipbuilding & Repairing Co.....	Shipyards and drydock.....	4
2	Canadian Vickers, Ltd.....	Shipyards, engine and boiler shops and floating dock.....	5
3	The Polson Iron Works, Ltd., Toronto.....	Shipyards, engine and boiler shops.....	4
4	The Thor Iron Works, Ltd., Toronto.....	Shipyards only.....	5
5	Canadian Allis Chalmers, Ltd., Bridgeburg.....	Shipyards, engine and boiler shops.....	3
6	Collingwood Shipbuilding Co., Ltd., Collingwood.....	Shipyards, engine and boiler shops.....	4
7	The Midland Shipbuilding Co., Ltd., Midland.....	Shipyards only.....	2
8	The British American Shipbuilding Co., Wexford.....	Shipyards only.....	3
9	Port Arthur Shipbuilding Co., Port Arthur.....	Shipyards, engine and boiler shops.....	4
10	Wallace Shipyards, Ltd., Vancouver, B.C.....	Shipyards, engine and boiler shops.....	3
11	Coughlan & Sons, Ltd.....	Shipyards and boiler shops.....	4
12	Tidewater Shipbuilding Co., Three Rivers, Que.....	Shipyards only.....	2
13	Nova Scotia Steel Co., New Glasgow.....	Shipyards only.....	2
			45

Contracts for vessels have already been placed as follows:—

No.	Firm.	Type D.W. tons.	Cost per D.W. ton.	Delivery Date.
1	Canadian Vickers.....	4,300	207 00	1918
1	".....	8,100	180 00	1918
1	Collingwood Shipbuilding Co.....	3,750	205 00	1918
1	Wallace Shipyards, Ltd.....	4,300	207 00	1918
1	".....	4,300	207 00	March, 1919
1	".....	5,100	200 00	May, 1919
1	".....	5,100	200 00	Aug., 1919
1	".....	5,100	200 00	Oct., 1919
1	".....	5,100	200 00	Dec., 1919
9				

At present there are two berths vacant at Collingwood, and one at the Canadian Vickers yards, Montreal. Two additional berths will be vacant at Collingwood in April and May, 1918, and, at the Vickers yards, one in May, one in August, and one in September, 1918. Two berths will be vacant at Port Arthur in July, and at the Wallace yards, Vancouver, in May and July. The Midland yards will have room for new keels in October and November, and the Welland yards will have a berth ready in May, a second in July, a third in September, and a fourth in November. At Toronto the Polsons will have four berths vacant in October. The Tidewater Shipbuilding Company will have a berth ready soon, and the Levis yards another during the summer. The Bridgeburg yards will be in a position to lay down six keels before the end of the present year. The Coughlan yards will not be available during the present year, as they will be fully occupied in supplying orders already given.

The annual output of 200,000 tons contemplated is only the beginning of the Canadian merchant marine fleet, and the probability is that in 1919 or thereabouts the government project will be considerably extended.

The ships will be at the disposal of the British Admiralty during the war period, and at its close will revert to Canada to be operated either by the Government itself or by Canadian shipowners under charter from the Government.

MERITS OF PLAN.

There are a number of advantages accruing from the plan adopted by the Government for the building of a merchant fleet.

In the first place the cost per ton deadweight will be less than if the contracts were given to foreign yards for prompt delivery. The money involved instead of going out of will be spent in the country in aiding an industry the growth of which is important to the future welfare and development of Canadian trade and commerce. It will be the means of providing, when its scope is extended, for a number of munition workers who will be thrown out of employment after the war, particularly if rolling mills on a more or less extended scale are started in connection with the Canadian shipbuilding industry; and finally, it will mean the augmenting of a class of men invaluable to any country—the merchant mariners.

In order to hasten the construction of the vessels it was deemed advisable to utilize to the utmost the present Canadian yards, and to work at full pressure, rather than to multiply the number of shipyards, some of which would in all probability be undermanned for some time owing to lack of skilled workmen.

STANDARDIZING THE SHIPS.

Three principal types of vessels will be built under the government plan.

The first type will consist of vessels of about 3,750 tons deadweight capacity, length over all 260 feet, speed 9 knots; these vessels will be of the tramp type, and will be built principally in the Great Lakes shipyards, to avoid difficulty with canal locks.

An intermediate type will include ships of 4,300 tons deadweight capacity, length B.P. 320 feet, speed 12 knots.

The second type will comprise vessels of 5,000 tons to 7,000 tons deadweight (cargo liners), length over all 331 feet, speed 11½ knots.

The third will consist of combination liners, as provision will be made for carrying passengers as well as cargo; they will be of 8,000 to 10,000 tons deadweight capacity, length over all 400 feet, speed 12 knots.

These ships will be all built to a standard set of plans and specifications prepared for each type by the chief naval constructor of the department and his staff to

SESSIONAL PAPER No. 21

ensure uniformity and speed in construction, and the work of supervising the vessels while actually under construction in the different Canadian shipyards will also be undertaken by this body.

It is found by actual experience that the cargo vessel which gives the best return on outlay is one ranging between 7,000 and 10,000 tons deadweight capacity; below 7,000 tons and over 10,000 the ratio of wage-earning capacity to the cost of building is not so favourable.

This last type will fulfil this very essential condition, and will be the one which will perform the bulk of the work of Canadian sea transport.

PERSONNEL.

The work of providing suitable crews for the new Canadian merchant marine fleet will be of the first importance.

The Marine Department issues all certificates for masters, mates, and engineers of sea-going vessels, and is keeping an exact monthly register of all the men that are qualified for these positions, and of their whereabouts in order that their services may be requisitioned when required.

Every encouragement is also being given to seamen to induce them to attend the navigation schools at Halifax, Yarmouth, St. John, N.B., Kingston, North Sydney, and Vancouver, to take courses in navigation before qualifying for their certificates.

The Canadian Naval League is also aiding in the formation of naval brigades for the training of the young, and is carrying on an educational campaign emphasizing the importance to Canada of the building up of a merchant marine.

It is important that the personnel of the officers and crews of Canadian merchant ships should be confined as far as possible to Canadians, failing these to British or Americans, to ensure a common language. The employment of alien crews should be avoided at all costs. In this connection the testimony of Rear-Admiral Leigh Palmer, given before the American House Committee on Naval Affairs, and reprinted in the *New York Times* of February 9, is interesting and illuminating. It is published under the heading: "How alien crews imperil our ships."

Admiral Palmer sent three officers from his bureau in charge of armed guards on ships with alien crews plying from American to British ports, and instances some of their experiences. Many of the ships seem to have been floating towers of Babel and the confusion and disorder on board almost indescribable.

On one ship sailing from New York almost the entire crew, including storekeeper, boatswain, and boatswain's mate, came on board drunk. In passing through the war zone members of the engineer force persisted in smoking on exposed decks; as they were all foreigners and did not understand a word of English the guard had to remove the cigarettes and put them out.

"Steamship *Navajo*, August 1, 1917, 800 miles west of Ireland, shelled by submarine. Ship caught fire. Five minutes after alarm of fire crew abandoned ship. No effort made to put out flames. Boats loaded without stopping engines. Later crew returned on board, flames then being under control."

"Steamship *Wico*, August 6, 1917, near island of Guernsey, ship convoyed by British destroyer. Submarine sighted five hundred yards distant. One shot fired immediately and submarine submerged. Captain immediately on sighting submarine gave orders to 'abandon ship.' Armed guard prevented ship being abandoned and at point of pistol drove engineer force, including chief, below. Engines were started and ship resumed her voyage uninjured. Her escape undoubtedly due to presence of British destroyer. Merchant complement did everything possible to lose her."

"Steamship *Finland*, October 27, 1917, torpedoed in convoy, did not see torpedo or periscope. Greatest confusion of merchant complement, started to abandon ship

immediately. Only loss of life caused by boat falling while being lowered, spilling people into water."

"British ship *Idoemnus*, September 15, 1917, torpedoed near land. All hands immediately abandoned ship. Ship floated. Patrol vessels arrived and towed ship where she could be beached; otherwise would have been lost through hasty abandonment."

"French steamship *Mississippi*, bound for New Orleans, not in convoy, but a convoy and escort in sight, torpedoed, and submarine made off immediately, undoubtedly on account of convoy escort. Crew abandoned ship at once. Later a British patrol vessel happened by, put a crew aboard and brought her in. This is a typical case of hasty abandonment, and only by luck was she saved."

These instances, taken from a number cited by Admiral Palmer, of misconduct by alien crews, occurred during a period of intensive submarine war, when seamen's nerves were inclined to be jumpy; but the ordinary perils of the sea are by no means to be ignored, and take yearly a heavy toll of tonnage.

Improper conduct by a ship's company in a time of stress and danger may easily mean the loss of the vessel; this risk will undoubtedly be lessened by excluding aliens from the complements of Canadian ships.

CANADIAN SHIPBUILDING DISABILITIES.

In last year's report allusion was made to certain drawbacks attending the initial stages of Canadian shipbuilding; there is no reason why these should not be overcome in the course of a few years, with the exception of that of the climate, which in certain localities will not permit the launching of ships at all seasons of the year.

At present the greatest obstacle to the rapid and cheap production of steel ships in Canada is the lack of rolling mills capable of making steel plates and structural steel shapes for the larger cargo ships, in quantity; all the other parts of the ships, including the engines, can be made in Canada, but in order to carry its programme of building merchant ships to a successful completion, it was necessary for the Government to enter into negotiations with American firms for the supply of the needed plates and shapes; although the Americans at present are very much occupied with their own shipbuilding problems, these negotiations have fortunately been successful, and the necessary supplies for the Canadian merchant fleet have been assured.

It will, however, be of great advantage to the industry if, after the war, every effort is made to establish rolling mills on an extensive scale in suitable localities, in order that all the demands made on Canadian shipbuilding may be met by Canadian firms.

INSURANCE RATES AND THE ST. LAWRENCE ROUTE.

The formation of a Canadian merchant marine brings into greater prominence the question of the restrictions placed on the trade of this route by insurance underwriters, as compared with Atlantic port routes: restrictions which, in the opinion of a number of men qualified to judge, are somewhat unfair.

This high rate of insurance means an additional overhead charge on all vessels using this route.

The discrimination against the St. Lawrence route has been carried out despite the constant work of improvement done in the widening and deepening, and the lighting and buoying of the ship channel between Montreal and Father Point; the expenditure on this work has exceeded \$1,000,000 annually for the last three years as follows: for the fiscal year 1914-15, \$1,105,187; 1915-16, \$1,101,820; 1916-17, \$1,122,479; and the total cost of the channel since its inception in 1851 to the end of the fiscal year 1917 has been \$21,520,371.

SESSIONAL PAPER No. 21

From Montreal to Quebec is 160 statute miles, and from Quebec to Father Point 181, and it is doubtful if any other waterway in the world of equal extent is more thoroughly safeguarded.

In the department's annual report for 1916-17, the superintending engineer of the St. Lawrence ship channel drew attention to a communication received from Messrs. Henry Fry and Company, Lloyds agents at Quebec, emphasizing the fact that no accident had occurred to any sea-going vessel between Father Point and Quebec in the course of the year, and he attributes this not only to the improved lighting and buoying of the channel, but also to the increased efficiency of the Pilotage Service.

If the continued improvement and additional safety of this route from year to year have not the desired effect of inducing Lloyds to lower the insurance rates for vessels trading on it, it may be necessary, in the interests of Canadian shipping, for the Government itself to take some steps to equalize the difference between the rates to Quebec and Montreal and those to the Atlantic ports.

OPERATIONS OF CHIEF CANADIAN SHIPBUILDING PLANTS.

CANADIAN VICKERS, LTD., MONTREAL, QUE.

During the fiscal year 1917-18, additional shipbuilding sheds were built with overhead crane attachment, giving a complete layout of six building berths capable of taking vessels up to 10,000 tons.

The boiler shop was extended to a length of 164 feet and fitted with a 25-ton overhead travelling crane and necessary machine equipment. A large number of additional machine tools were installed during the year.

The shell shop was dismantled and equipped throughout for the manufacture of deck machinery such as cargo winches, windlasses, steam- and hand-steering gears, etc., and at the close of the year there were a number of orders in hand.

During the year, 12 submarines of 150 feet, 467 tons displacement, were built for the Allied Governments, and 8 steel trawlers for the Naval Service of 130 feet, 298 tons gross; 9 steel trawler hulls, with engines and boilers, were also supplied to the Naval Service, and 26 wooden drifter hulls.

Vessels under construction are a centre-ladder twin-screw hopper- and barge-loading dredge for the Marine Department; length 284 feet, breadth 48 feet, dredging depth 57 feet. Two cargo steamers for British flag are already launched, 7,000 tons deadweight capacity; length B.P. 390 feet, breadth moulded 49 feet, depth moulded 30 feet, speed 9 knots. Four cargo steamers for Imperial Munitions Board 7,000 tons deadweight; length B.P. 380 feet, breadth moulded 49 feet.

MIDLAND SHIPBUILDING CO., LTD., MIDLAND, ONT.

This company was formed in 1917 with a capital of \$1,000,000.

The plant comprises: a brick office 50 feet by 32 feet of two stories, with clerical department and draughting office; a punch shed 210 feet by 100 feet, with mould loft above, with electrical boring and cutting machines; a furnace room, frame building 175 feet by 55 feet, with two heating furnaces, one for plates and one for angles, burning crude oil; in front of the furnaces is a 50-foot square cast-iron slab with air winch for handling material; and at one end of the building a large hammer operated by air, and blacksmith fires. A boiler-house of brick 30 feet by 50 feet has two boilers carrying 125 pounds of steam. The machine shop, 100 feet by 50 feet, is supplied with two air compressors, one with a capacity of 3,000 cubic feet driven by a 450-horsepower motor, and the other with a capacity of 780 cubic feet per minute; frame carpenter shop, 155 feet by 50 feet, for sawing and dressing materials completes the plant.

9 GEORGE V, A. 1919

The company has at present about 900 feet of water front, along which travels a Gantry crane with a span of 240 feet, and a hoisting capacity of 5 tons at the outer end and 20 tons at the centre.

The company has at present one ship on the stocks and a contract for three others with the Imperial Munitions Board.

CANADIAN ALLIS-CHALMERS, LTD., BRIDGEBURG, ONT.

Incorporated from a bridge and structural plant to a shipbuilding plant in the autumn of 1917 and arrangements made with the Imperial Munitions Board for the building of four ships, length 261 feet over all, beam 43.6 feet, draught 23.6 feet, tonnage 3,500 deadweight tons, speed 11 knots; the capacity of the plant as now completed is ten 3,500-ton ships yearly; the property covers 600 acres and includes one-third of a mile of water front, with ample docking and launching capacity. The berths are equipped with modern travelling crane and facilities for launching vessels when completed.

The buildings consist of large plate shop, equipped with modern tools for the construction of ships, carpenter shop, power-house, and stores building.

The buildings are of steel construction, and adjacent to the shipbuilding berths as now constructed and as proposed.

Electric power is obtained from the Canadian Niagara Power Company.

PORT ARTHUR SHIPBUILDING CO., LTD., PORT ARTHUR, ONT.

This company during the fiscal year 1917-18 built and delivered three steel cargo steamers of the following dimensions:—

Name of Vessel.	Length.	Breadth.	Depth.	Tonnage d.w.	Speed (knots).
<i>Ugelstad</i>	261'	43.6'	28.2'	4,300	9½
<i>War Fish</i>	261'	43.6'	28.2'	4,300	9½
<i>War Dance</i>	261'	43.6'	23'	3,250	10½

Four trawlers, length 134 feet, gross 294.5, were also constructed for the Department of the Naval Service.

In addition, there are under construction two trawlers and three freight steamers.

WESTERN CANADA SHIPYARDS, LTD., VANCOUVER, B.C.

This company was formed with a capital of \$30,000 to build six wooden steamers for the Imperial Munitions Board; length 250 feet, beam 43.6 feet, depth moulded 25 feet.

This yard has four ways and a complete equipment for the building of wooden ships.

BRITISH AMERICAN SHIPBUILDING CO., LTD., WELLAND, ONT.

Was incorporated in July, 1917, at a capitalization of \$1,000,000.

The yard is on the Welland canal, and employs 325 to 375 men, operates two building berths, and is capable of turning out yearly four steel vessels of the following dimensions: length 261 feet, beam 43 feet, depth 23 feet, tonnage 3,500 deadweight tons; three vessels similar to these are at present being built for the Imperial Munitions Board.

YARROWS, LIMITED, ESQUIMALT, B.C.

The following improvements and additions have been made to this plant during the fiscal year 1917-18: foundry enlarged to 120 feet by 70 feet, and two travelling

SESSIONAL PAPER No. 21

cranes running full length of shop installed, one of 10-ton and one of 5-ton capacity. Blacksmith shop enlarged and 4-inch pneumatic hammer installed. New welding and coppersmith shop 24 feet by 6 feet has been built. A 10-ton floating crane with a 90-foot boom has been added to the plant.

The work of the yard for 1917-18 consisted chiefly of repairs to ships, but the following vessels were completed during the year: stern-wheel steamer *Saga*, 132 feet by 31 feet by 4.9 feet; stern-wheel steamer *Sind*, 132 feet by 31 feet by 4.9 feet; another stern-wheel steamer, 165 feet by 34 feet by 7 feet is at present under construction.

J. COUGHLAN & SONS, LTD., VANCOUVER, B.C.

This shipyard has a frontage of 1,000 feet on False creek, with a depth of another thousand feet, and a capacity, subject to the obtaining of material, of one 8,800-ton steel boat a month.

It was established in 1917, and took orders for three 8,800-ton steel vessels for the Norwegian Government, two of which were subsequently sold to the Imperial Munitions Board.

The yard has at present under contract for the Imperial Munitions Board seven 8,800-ton vessels, two of which are at present launched, and the remaining five will be launched at the rate of one per month (approximately).

A fully equipped boiler-shop, which supplies all the boilers for their ships, is included in the plant.

WALLACE SHIPYARDS, LTD., VANCOUVER, B.C.

The plant of this company is at present being considerably increased; two new ways are being built, which, when completed, will give three berths capable of taking vessels up to 450 feet in length.

The plant is equipped with modern machine shop, forge pattern shop, foundry, boiler shop, joiner shop, etc. There are two marine railways capable of hauling 2,300 and 1,500 tons, respectively, and at the end of the dock which is 400 feet long, are shear legs with a lifting capacity of 65 tons.

During the year the vessels built were the *War Dog* and the *War Power*, sister ships, length over all 315 feet, breadth moulded 45 feet, depth moulded 27 feet, the 1,500-I.H.P. triple expansion engines for these ships were built and installed by the firm.

The wooden shipbuilding yard which formed a part of this plant and which had built six wooden auxiliary, five-masted schooners, 250 feet by 45 feet by 19 feet, was disposed of to the William Lyall Shipbuilding Company in September last.

CAMERON GENOA MILLS, LIMITED, VICTORIA, B.C.

This shipbuilding company was incorporated in 1916, with a capital of \$25,000, and an original programme for the construction of three 2,500-ton auxiliary schooners, and three berths were laid down; in June, 1917, a contract was undertaken for the Imperial Munitions Board to supply four wooden steamers from plans and specifications furnished by them, and another berth was laid down, making four in all. The last of these vessels will be completed by the middle of June.

The following lumber-carrying vessels were also built:—

	Tons reg.	Length.	Breadth.	Depth.
<i>Margaret Hancy</i>	800	250'	45'	20'
<i>Laurel Whalen</i>	1,048	250'	45'	20'
<i>Esquimalt</i>	1,058	250'	45'	20'
<i>Malahat</i>	1,429	250'	45'	20'
<i>Jean Steedman</i>	1,252	250'	45'	20'
<i>Beatrice Castle</i>	1,248	270'	45'	20'

The carrying capacity of these vessels is 1,500,000 feet of lumber.

Other Canadian steel and wooden shipbuilding plants are: Davie Shipbuilding and Repairing Company, Levis, Que.; Nova Scotia Steel and Coal Company, New Glasgow, N.S.; Dominion Shipbuilding Company, Toronto, Ont.; Polson Iron Works, Limited, Toronto, Ont.; Collingwood Shipbuilding Company; Kingston Shipbuilding Company; and Tidewater Shipbuilding Company, Three Rivers, Que.

WOODEN SHIPBUILDING PLANTS IN CANADA.

- Annapolis Shipping Co., Annapolis Royal, N.S.
 Fauquier & Porter, Hantsport, N.S.
 Mortimer Parsons, Cheverie, N.S.
 Bernard M. Melanson, Gilbert's Cove, N.S.
 Ernst Shipbuilding Co., Mahone Bay, N.S.
 W. R. & C. A. Huntley, Parrsboro, N.S.
 J. F. Deveau, Meteghan, N.S.
 Smith & Rhuland, Lunenburg, N.S.
 Comeau Shipping Co., Comeauville, N.S.
 F. H. McDonald, Meteghan, N.S.
 Amos Blinn, Grosses Coques, N.S.
 Theriault & Co., Belliveau Cove, N.S.
 J. N. Rafuse, Conquerall Bank, N.S.
 L. E. Graham, Port Greville, N.S.
 Robar Brothers, Bridgewater, N.S.
 Fred. Comeau, Little Brook, N.S.,
 F. K. Warren, Grosses Coques, N.S.
 William Naugler, Bridgewater, N.S.
 Wagstaff & Hatfield, Port Greville, N.S.
 G. M. Cochrane, Fox River, N.S.
 James E. Pettis, Spencer's island, N.S.
 T. K. Bentley, Advocate harbour, N.S.
 W. M. McLean & Co., Mahone Bay, N.S.
 Harkinson Shipping Co., Belliveau Cove, N.S.
 Southern Salvage Co., Liverpool, N.S.
 Thomas German, Meteghan, N.S.
 Moise Belliveau, Church Point, N.S.
 Fidele Boudreau, Church Point, N.S.
 Albert Parsons, Walton, N.S.
 Geo. A. Cox, Shelburne, N.S.
 W. C. McKay & Son, Shelburne, N.S.
 Joseph McGill Shipbuilding and Transportation Co., Shelburne, N.S.
 Lewis Shipbuilding Co., Sheet Harbour, N.S.
 E. F. Williams, Dartmouth, N.S.
 Charles Griffin, Isaacs harbour, N.S.
 J. A. Balcom & Co., Limited, Margaretsville, N.S.
 Meteghan Railway and Shipbuilding Co., Meteghan, N.S.
 O. O'Brien, Noel, N.S.
 Noel Shipbuilding Co., Noel, N.S.
 H. McAloney, Canning, N.S.
 B. L. Tucker, Bass River, N.S.
 S. Salter, Parrsboro, N.S.
 J. S. Pugsley, Diligent river, N.S.
 S. J. Soley, Fox river, N.S.
 H. Elderkin & Co., Port Greville, N.S.
 Smith Canning, Port Greville, N.S.
 McLean & McKay, Economy, N.S.
 Allan & Fraser, Fraserville, N.S.
 J. W. Kirkpatrick, West Advocate, N.S.
 Archibald McKenzie, River John, N.S.
 Charles McLellan, River John, N.S.
 Charles McNeil, New Glasgow, N.S.
 Hilaire Boudreau, White Cove, N.S.
 Beazley Brothers, Weymouth, N.S.
 Warren, Rice & Co., Weymouth, N.S.
 W. K. Smith, Plympton, N.S.
 Eastern Shipbuilding Co., Ship harbour, N.S.
 Shelburne Shipbuilders, Ltd., Shelburne, N.S.
 Robert Rutledge, Sheet harbour, N.S.
 J. W. Raymond, Port Maitland, N.S.
 Robin, Jones & Whitman, Liverpool, N.S.
 James Willard Smith, Hillsburn, N.S.
 McLean Construction Co., Lunenburg, N.S.
 Conrad & Reinhardt, Park's Creek, N.S.
 Saulnierville Shipbuilding Co., Saulnierville, N.S.
 Nova Scotia Shipbuilding and Transportation Co., Liverpool, N.S.
 Chester Basins Shipbuilders, Ltd., Chester Basin, N.S.
 Falmouth Shipbuilding and Transportation Co., Windsor, N.S.
 Foley Brothers, Hantsport, N.S.
 Sydney St. C. Jones, Little Brook, N.S.
 Clare Shipbuilding Co., Meteghan, N.S.
 Yarmouth Shipbuilding Co., Yarmouth, N.S.
 John McLean & Son, Halifax, N.S.
 James X. Lenteigne, Lower Caraque, N.B.
 Marine Construction Co., of Canada, Limited, St. John, N.B.
 International Shipbuilding Corporation, Limited, Nordin, N.B.
 Chas. T. White & Son, Sussex, N.B.
 St. Martin's Shipbuilding Co., St. Martin, N.B.
 Grant & Horne, St. John, N.B.
 Quebec Shipbuilding and Repairing Co., St. Laurent, Que. (Isle of Orleans).
 H. H. Shepherd, Sorel, Que.
 Leclaire & Fils, Sorel, Que.
 Tidewaters Shipbuilders, Ltd., Sorel, Que.
 Quinlan & Robertson, Quebec, Que.
 T. M. Kirkwood, Three Rivers, Que.
 R. N. LeBlanc, Bonaventure, Que.
 Sincennes McNaughton Line, Ltd., Sorel, Que.
 Fraser, Brace & Co., Limited, Montreal, Que.
 West, Peachy & Co., Simcoe, Ont.
 Great Lakes Dredging Co., Fort William, Ont.
 The Foundation Co., Vancouver, B.C.
 British Columbia Construction and Engineering Co., New Westminster, B.C.
 Pacific Construction Co., Coquitlam, B.C.
 Wm. Lyall Shipbuilding Co., N. Vancouver, B.C.
 Vancouver Shipyards, Limited, Vancouver, B.C.
 Northern Construction Co., Vancouver, B.C.
 New Westminster Construction Co., New Westminster, B.C.

STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, on December 31, 1917.

Ports.	Sailing Vessels.			Steam Vessels.		
	No.	Gross Tonnage.	Net Tonnage.	No.	Gross Tonnage.	Net Tonnage.
<i>Ontario.</i>						
Amherstburg	6	1,490	1,456	10	1,201	615
Belleville.....	3	241	217	11	241	144
Bowmanville	2	344	316	.....	.....	.....
Brockville	2	842	771	24	1,389	920
Chatham.....	4	566	556	10	971	532
Cobourg.....	1	100	100	.....	.....	.....
Collingwood.....	5	1,122	1,122	56	20,153	13,743
Cornwall.....	.....	.....	.....	5	179	107
Deseronto.....	5	403	370	6	144	81
Dunnville.....	1	87	57	.....	.....	.....
Fort William.....	1	413	413	3	4,215	2,561
Goderich.....	7	1,685	1,685	2	1,589	1,056
Hamilton.....	3	807	780	22	12,573	7,899
Kenora.....	7	586	586	90	3,319	2,091
Kingston.....	62	10,091	9,497	115	10,611	6,172
Lindsay.....	19	1,224	1,224	28	626	416
Midland.....	7	3,681	3,166	42	39,248	25,845
Napanee.....	1	122	122	.....	.....	.....
Oakville.....	1	26	26	.....	.....	.....
Ottawa.....	152	19,192	18,337	291	44,187	23,667
Owen Sound.....	7	2,326	1,995	35	3,384	2,319
Peterboro.....	22	1,698	1,698	59	1,310	883
Pictou.....	8	2,435	2,230	14	5,000	3,366
Port Arthur.....	43	18,766	18,084	76	40,723	25,190
Port Burwell.....	1	65	65	10	342	191
Port Dover.....	3	217	217	17	593	392
Port Hope.....	4	527	527	6	116	75
Port Stanley.....	.....	.....	.....	2	1,174	768
Prescott.....	8	1,277	1,149	12	2,222	1,505
Sarnia.....	11	3,547	3,288	38	25,289	16,338
Southampton.....	1	96	50	11	410	278
Sault Ste. Marie.....	40	8,286	7,935	55	22,609	11,468
St. Catharines.....	28	6,353	5,944	54	2,045	1,336
Simcoe.....	2	56	36	2	35	18
Toronto.....	78	16,133	11,300	305	83,994	53,333
Wallaceburg.....	7	1,159	1,116	10	480	330
Whitby.....	1	190	190	.....	.....	.....
Windsor.....	29	2,818	2,712	20	4,831	2,913
<i>Prince Edward Island.</i>						
Charlottetown.....	131	8,042	7,581	26	7,415	3,374
<i>British Columbia.</i>						
New Westminster.....	86	12,699	12,080	221	7,647	4,737
Prince Rupert.....	2	1,264	1,174	40	3,191	1,971
Vancouver.....	218	33,902	33,468	784	122,656	74,712
Victoria.....	105	22,725	21,489	278	55,766	33,371
<i>Saskatchewan.</i>						
Prince Albert.....	1	145	145	4	660	385
<i>Manitoba.</i>						
Winnipeg.....	17	3,394	3,394	82	9,801	6,440

SESSIONAL PAPER No. 21

STATEMENT showing the number of Vessels and number of Tons, etc—Continued.

Ports.	Sailing Vessels.			Steam Vessels.		
	No.	Gross Tonnage.	Net Tonnage.	No.	Gross Tonnage.	Net Tonnage.
<i>Yukon Territory.</i>						
Dawson	1	556	556	9	2,571	1,648
<i>New Brunswick.</i>						
Chatham.....	399	8,198	8,037	99	3,934	2,404
Dorchester.....	3	355	340	2	8	6
Moncton.....	5	298	275	2	119	60
Richibucto.....	23	572	516	16	298	220
Sackville.....	4	302	265	3	65	45
St. Andrews.....	158	2,869	2,809	37	761	511
St. John.....	222	22,942	22,294	101	18,798	12,101
	814	35,536	34,536	260	23,983	15,347
<i>Nova Scotia.</i>						
Amherst.....	3	148	131	3	168	96
Annapolis Royal.....	15	2,948	2,553	6	330	178
Arichat.....	97	2,524	2,489	21	352	319
Barrington.....	74	1,829	1,776	21	395	316
Canso.....	46	843	843	3	40	37
Digby.....	90	2,903	2,769	12	319	228
Guysboro.....	8	407	395			
Halifax.....	309	13,223	12,768	121	18,177	10,439
Lahave.....	3	551	443			
Liverpool.....	38	4,102	3,614	28	1,804	895
Lunenburg.....	265	25,163	20,681	130	2,710	2,190
Maitland.....	12	1,574	1,364	1	88	59
Parrsboro.....	42	11,033	10,155	8	810	524
Pictou.....	9	341	320	16	377	369
Port Hawkesbury.....	63	1,420	1,404	6	107	98
Port Medway.....	10	840	793	5	76	71
Shelburne.....	75	5,562	4,842	17	694	511
Sydney.....	79	4,410	4,142	39	2,223	1,332
Truro.....				1	18	7
Weymouth.....	23	3,415	2,934	11	745	526
Windsor.....	38	18,227	16,796	17	3,654	2,004
Yarmouth.....	199	4,293	4,191	45	8,955	4,203
	1,499	105,759	95,403	511	42,212	24,402
<i>Quebec.</i>						
Gaspé.....	17	948	858			
Magdalen Islands.....	12	490	481	3	596	249
Montreal.....	293	90,495	87,287	331	194,829	120,682
Paspébiac.....	18	369	349	5	115	73
Quebec.....	463	37,062	36,217	167	34,259	19,824
Sorel.....	36	12,567	11,489	46	13,156	6,433
	839	141,931	136,681	552	242,865	147,261

RECAPITULATION.

New Brunswick	814	35,536	34,536	260	23,983	15,347
Nova Scotia	1,499	105,759	95,403	511	42,212	24,402
Quebec.....	839	141,931	136,681	552	242,865	147,261
Ontario.....	582	108,545	101,731	1,497	335,185	269,552
Prince Edward Island.....	131	8,042	7,581	26	7,415	3,374
British Columbia.....	411	69,990	68,211	1,323	189,260	114,791
Manitoba.....	1	145	145	4	660	385
Yukon Territory.....	17	3,394	3,394	82	9,804	6,440
Saskatchewan.....	1	556	556	9	2,571	1,648
	4,295	473,898	448,238	4,264	853,955	523,200

COMPARATIVE STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, on December 31, in each year from 1908 to 1917, both inclusive.

Province.	1908.		1909.		1910.		1911.		1912.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	938	66,402	937	62,984	951	59,637	966	55,872	1,001	57,369
Nova Scotia.....	2,052	164,919	2,058	160,286	2,054	149,737	2,105	142,631	2,158	143,295
Quebec.....	1,384	172,975	1,432	175,370	1,499	189,945	1,511	193,682	1,566	227,048
Ontario.....	2,028	192,970	2,061	208,652	2,027	227,457	2,014	236,877	2,017	253,376
P. E. Island.....	154	10,387	150	10,154	150	10,100	149	9,683	148	9,577
British Columbia.....	939	87,056	1,020	92,746	1,109	105,414	1,227	122,264	1,376	136,618
Manitoba.....	87	4,341	90	5,087	94	5,565	96	6,373	95	5,096
Yukon District.....	16	2,984	16	2,984	16	2,784	15	2,708	14	2,543
Saskatchewan.....	4	290	4	290	4	290	5	356	5	356
	7,602	702,324	7,768	718,553	7,904	750,929	8,088	770,446	8,380	836,278

Province.	1913.		1914.		1915.		1916.		1917.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	1,031	60,020	1,052	55,522	1,068	56,219	1,074	49,817	1,074	49,883
Nova Scotia.....	2,106	138,107	2,098	135,053	2,087	125,567	2,064	123,058	2,010	119,805
Quebec.....	1,628	247,225	1,663	259,143	1,590	267,897	1,452	273,770	1,391	283,942
Ontario.....	2,012	279,642	2,100	314,660	2,111	312,971	2,116	328,531	2,079	311,283
P. E. Island.....	149	10,071	149	10,029	158	11,518	155	10,652	157	10,955
British Columbia.....	1,506	15,306	1,591	147,192	1,643	144,835	1,687	145,525	1,734	183,002
Manitoba.....	93	5,545	103	7,999	84	7,480	95	8,953	5	530
Yukon District.....	15	2,940	11	2,295	11	2,295	11	2,295	99	9,834
Saskatchewan.....	5	356	5	529	5	530	5	530	10	2,204
	8,545	896,965	8,772	932,422	8,757	929,312	8,659	943,131	8,559	971,433

SESSIONAL PAPER No. 21

COMPARATIVE STATEMENT of New Vessels built and registered in the Dominion of Canada and their Net Tonnage during the year ended December 31, in each year from 1908 to 1917, both inclusive.

Province.	1908.		1909.		1910.		1911.		1912.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	32	1,288	14	666	17	397	25	774	44	1,092
Nova Scotia.....	80	6,600	75	6,007	82	5,572	136	5,340	126	5,853
Quebec.....	62	7,279	66	5,895	58	7,012	30	2,726	49	5,744
Ontario.....	46	8,695	73	7,973	46	3,612	42	10,086	71	11,170
P. E. Island.....	5	254	1	5	2	23	4	61	1	34
British Columbia.....	76	4,778	93	4,068	84	5,177	98	7,781	128	10,647
Manitoba.....	1	9	5	692	5	490	3	902	1	546
Yukon District.....	2	80								
Saskatchewan.....							1	66		
	304	28,983	327	25,306	294	22,283	339	27,736	420	34,886

Province.	1913.		1914.		1915.		1916.		1917.	
	Vessels	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	45	1,114	31	1,319	22	1,114	22	332	23	1,156
Nova Scotia.....	67	4,899	56	3,303	51	2,982	65	7,661	86	14,781
Quebec.....	62	8,667	51	6,753	49	7,790	51	8,643	32	8,058
Ontario.....	38	15,572	78	23,567	38	4,709	26	5,597	21	3,949
P. E. Island.....	3	804	2	35	2	24				
British Columbia.....	128	9,000	97	5,867	79	2,057	65	4,487	77	17,452
Manitoba.....	1	18	11	2,899	5	156	15	1,573	4	881
Yukon District.....			1	3						
Saskatchewan.....										
	344	40,164	327	43,246	246	18,832	244	28,303	243	46,277

STATEMENT showing the number of Vessels removed from Registry in the Dominion of Canada during the year ended December 31, 1917, and the cause for such removal.

Sold to foreigners—U.S.A. 19, French 12, Danish 2, Russia 1	34
Wrecked	48
Stranded	11
Lost	9
Broken up, reported out of existence, condemned, dismantled, abandoned, etc.	216
Abandoned at sea	9
Collision	7
Foundered	9
Burnt	16
Transferred to St. John's, Nfld.	16
" Barbadoes	3
" Georgetown Demerara	1
" Great Britain	5
Missing	6
Sunk by mine 1, by torpedo 14, by German raider 6, captured by German submarine 1	22
	412

It is estimated that 45,280 men and boys, etc., inclusive of masters, were employed on ships registered in Canada during the year 1917.

EXPENDITURE AND REVENUE.

The parliamentary appropriation for the fiscal year 1917-18 was \$5,153,861.14; the expenditure \$4,361,498.41; leaving an unexpended balance of \$792,362.73, less overdraft of \$19,49, \$792,343.24. The net revenue was \$228,812.13.

CORRESPONDENCE.

The total number of letters received during the fiscal year 1917-18 was 57,562, as against 48,792 in 1916-17.

The increase is due chiefly to the correspondence relating to the control of shipping, and the new shipbuilding programme.

The number of letters sent out was 33,220, as against 34,865 in 1916-17.

SEASON OF NAVIGATION.

Navigation in Montreal harbour opened on April 26, 1917, when three coasting steamers which had wintered there proceeded out.

The steamship *Percepsien* arrived from Halifax on May 1, and the ss. *Cassandra* from Glasgow on the same date.

Navigation closed on December 8, 1917, but owing to the severity of the fall weather, many lake vessels and overseas trawlers were obliged to winter at Montreal or ports between it and Quebec.

STEAMBOAT INSPECTION.

The report of the Chairman of the Board of Steamboat Inspection is published as a supplement to the annual report.

A. JOHNSTON,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 1.

ANNUAL REPORT OF COL. WM. P. ANDERSON, C.M.G., M. INST. C.E., ETC.,
CHIEF ENGINEER OF THE DEPARTMENT OF MARINE.

OFFICE WORK.

Total plans for twelve months (April 1 to March 31, 1918)..	2,171
Charts received and recorded..	118
Charts received and entered in chart books..	21
Photographs received and recorded..	198
Specifications and bills of material written..	100
Notices to Mariners issued (comprising 293 subjects).. . .	113

In addition to the work of this branch, the staff has been called upon to perform work for other branches of the service. For the Meteorological Service a 60-foot steel skeleton tower was erected at Cabot head, Georgian bay, for storm signal purposes.

PUBLICATIONS.

During the fiscal year 113 notices to mariners, covering 293 subjects, were issued. No attempt is made to cover completely waters outside the Dominion of Canada, but items containing information likely to be of service to Canadian shipping are always welcomed, and any external information specially sent to the department is invariably published. Within the Dominion, beside the activities coming under the immediate control of this department, such as new aids to navigation and changes in existing aids, which are regularly and promptly included in notices to mariners, a large number of items furnished by the Department of Naval Service, including twelve embodying regulations necessitated by the continuance of the war, has been published, and numerous other items include thirteen descriptions of channels dredged by the Department of Public Works; six items relating to wrecks; descriptions of uncharted dangers, and hydrographic notes resulting from surveys and inspections. Work done by the Hydrographic branch of the Naval Service Department has furnished numerous valuable details of uncharted dangers and general information for the correction of coast pilots.

The three volumes of the "List of Lights and Fog Signals" are annually kept up to date. A very large reduction has been made in the number of copies of each volume printed this year, but extra pains will be taken to place them where they will be of most use.

PERSONAL INSPECTION.

As is becoming more generally the practice the chief engineer and the assistant chief engineer made frequent trips of inspection during the past fiscal year, especially in connection with works of construction.

9 GEORGE V, A. 1919

REMOVAL OF OBSTRUCTIONS.

During the past twelve months the following work has been done under the annual appropriation for the removal of wrecks and obstructions to navigation:—

		\$	cts.
Pictou Harbour, N. S.	The following wrecks were removed by departmental diver : <i>Redento, J. Millard, Stanley and Cyrene</i>	549	79
New Carlisle, P. Q.	The schooner <i>Hattie C.</i> was removed by F. Blais, under contract.	148	00
Caughnawaga, P. Q.	Barge <i>Charland</i> was removed by the Department of Public Works	532	00
Three Rivers, P. Q.	Ferry boat <i>Glacial</i> moved to a place where it is not an obstruction to navigation by Capt. J. D. Weir, Montreal agency.		
Simcoe Island, Ont.	Schooner <i>Geo. A. Marsh</i> sank west of Simcoe island. The masts which were a menace to navigation were removed by the departmental diver.	117	57
Collingwood, Ont.	SS. <i>Germanic</i> , which was destroyed by fire and caused an obstruction, was removed by the owners, the Northern Navigation Company.		
Sarnia, Ont.	The scow sunk in harbour removed by the owner, W. A. Brown.		
Windsor, Ont.	Wreck of <i>John Plankinton</i> removed under contract by F. J. Trotter	5,900	00
	A number of small expenditures, such as buoying wrecks, advertising and incidental expenses, were incurred, making the total expended this year under this vote	7,719	30

MAINTENANCE AND REPAIRS TO WHARVES.

Large repairs are undertaken by the Department of Public Works. This branch attends to minor repairs. During the past year \$10,019.49 has been expended. The following is a list by provinces:—

Nova Scotia.	\$ 104 47	Montreal district.	1,210 26
New Brunswick.	5,561 05	Ontario.	985 01
Prince Edward Island.	97 81	Quebec.	1,646 67
General account.	414 22	British Columbia.	nil.

ICE-BREAKING.

1. A three-year contract with the Canadian Towing and Wrecking Company, Limited, of Port Arthur, to keep the harbours at the head of lake Superior open for navigation until December 17 in each year, and to open them in the spring, as soon as the canal at Sault Ste. Marie is open for navigation, and under this contract the harbours of Port Arthur, Fort William, and West Fort William were opened in the spring of 1917 in good time.

2. The usual contribution of \$300 was made towards keeping open the St. Croix river in the vicinity of St. Stephen. The annual cost of this work is in the neighbourhood of \$1,000, and the department of late years has contributed \$300 a year towards this, the remainder being made up locally.

NOVA SCOTIA.

NEW AIDS TO NAVIGATION.

Name of Light Station.	Nature of Work.	Expenditure during Fiscal Year.
		§ cts.
Bedford Narrows.....	Erection of range pole lights, with sheds at base, with headlight lanterns having 18-inch reflectors	680 86

CHANGES AND IMPROVEMENTS IN EXISTING AIDS.

Brier Island.....	Installation of an electric plant.....	287 65
Cape Fourchu.....	Steam fog-alarm plant converted into an oil plant by the installation of 15-h.p. engines and compressors, and type "P" diaphone.....	739 18
Cape Freels.....	Improvement to water supply for fog-alarm plant by caulking with oakum the two dams.....	70 00
Cape Race.....	Repairs to station.....	805 48
Cape Roseway.....	Installation of apparatus; preliminary expenses.....	100 25
Cape Sable.....	Completion of installation of an oil plant started last year.....	771 84
Cape St. Mary.....	Erection of mast and shed; installation of No. 3 tubular lamp.....	372 62
Cap Rond.....	Repairs to protection work.....	3,448 34
Cheticamp.....	Expenses re searching title to site.....	23 08
Church Point.....	Outstanding accounts in connection with repairs to tower.....	20 00
Dartmouth.....	Provision and erection of 3-section steel skeleton tower for back light of inner range, and installation of Duplex lamp and 36-inch reflector.....	336 15
	Improvements to departmental property.....	1,863 50
Digby Gut.....	Planting posts, hanging gate, etc.....	15 00
Egg Island.....	Installation of 3rd order quick flashing apparatus.....	7,836 58
Flat Point.....	Repairs to protection work.....	1,434 06
Glace Bay.....	Salvaging front range light building.....	173 20
George Island.....	Erection of concrete tower, brick dwelling, installation of fog bell, and 8-foot cast-iron lantern with 270 4th order lens.....	2,750 35
Hobson Island.....	Repairs to cribwork.....	2,718 98
Ile Haute.....	Building breakwater.....	311 86
Little Hope.....	Repairs to keeper's dwelling and boathouse.....	403 01
Lockeport.....	Provision and installation of duplicate 1½-inch diaphone.....	7,473 62
Louisburg.....	Installation of a modern oil plant. Work started last year.....	319 04
Mary Joseph.....	Repairs to boatslip.....	298 78
Mauger Beach.....	Repairs to breakwater.....	1,399 46
Mullins Point.....	Repairs to front light.....	789 01
North Canso.....	Installation of Reliance clock.....	255 48
Pictou Bar.....	Repairs to breakwater.....	157 30
Port Greville.....	Erection of pole light, and provision of skiff.....	358 77
Sable Island.....	Provision and erection of 90-foot steel skeleton tower, and installation of illuminating apparatus.....	11,926 22
St. Esprit.....	Provision and installation of triple flash reflector.....	1,453 12
St. Paul Island.....	Completion of dwelling.....	53 85
Seal Island.....	Replacement of steam fog-alarm plant by an oil plant. Will be completed next year.....	101 85
Ship Harbour.....	Building an extension to lightkeeper's dwelling.....	755 95
Wedge Island.....	Repairs to breakwater and groynes.....	1,175 99
Whitehead Island.....	Illuminating apparatus improved by the installation of 3-sector Cote reflector.....	1,721 45
	Alterations to cistern of dwelling, etc.....	47 00
	Construction of solid concrete breakwater to protect the fog-alarm building.....	1,146 86
White Point (Cape North)	Erection of mast and shed.....	426 07
White Point.....	Repairs to road leading to Government wharf.....	20 00
Miscellaneous expenses..	Materials, etc., in connection with the establishment of buoys, etc. Travelling expenses of officials, telegrams, salaries of foreman, etc.	4,768 48 3,076 30
	Total expenditure for Nova Scotia.....	62,905 59

NEW BRUNSWICK.
NEW AIDS TO NAVIGATION.

Name of Light Station.	Nature of Work.	Expenditure during Fiscal Year.
		\$ cts.
Cape Tormentine	Erection of wooden range-light towers. Work started last year..	700 80
Sh-mogue	Erection of two mast lights and shelter sheds	608 74
Bathurst	Erection of range lights	1,361 21
Bu-touche	Old back light tower moved to near the back tower and converted into an oil shed	30 00
	Range lights moved to mark centre of line of dredged channel ..	846 55
Cape Enrage	Installation of modern diaphone plant	3,304 01
	Repairs to road leading to fog alarm	194 25
Cape Tormentine	Front range mast replaced by a steel skeleton tower, and installation of 4th order lens	1,287 79
Chockfish	Purchase of site	20 00
Cox Point	Erection of reinforced concrete tower	984 61
Dog Rock	Repairs to spindle	16 36
Eseminac	Construction of a concrete protection wall	79 74
Gannet Rock	Repairs to concrete pillars under the highwater landing	428 68
	Installation of heavier fog-alarm machinery by installing 12-H.P. engines and compressors	4,001 82
Grin?stone Island	Installation of a modern diaphone plant	1,081 68
	Repairs to generator	4 35
Kouchibouguac	Moving shelter shed at North beach and relocating Bar range lights	76 00
Lorneville	Erection of oil shed	106 10
Lower Neguac	Main light improved by installation of a 6th order lens	95 00
Negro Point	Repairs to lighthouse	766 81
Oak Point	Repairs to foundation of back range tower	113 57
Partridge Island	Repairs and installation of a 50-H.P. boiler from Ma bias Seal Island	434 66
Point Lepreau	Installation of a 2½-H.P. gasoline engine and 50-foot extension to piping in well	84 35
Richibucto	Erection of a shelter shed	120 85
St. John (Marine Depot)	Excavation of berth at new depot	4,778 50
	To place curbing, and flooring oil shed	519 57
St. John West	Putting water pipes leading from Union street to No. 1 extension and No. 7 shed in first-class condition	1,731 16
	Repairs to doors of No. 7 shed	348 17
	Making 18 new shoes, repairs to loading platform, overhauling door tracks, etc., at Nos. 14 and 15 sheds	486 94
	Repairs to gangways, doors, etc., at Nos. 6, 7, 14 and 15 sheds ..	81 40
St. Martins	Erection of light on W. breakwater to replace lighthouse destroyed by storm	47 50
Southwest Wolf Island	Installation of single flash reflector	1,314 04
Swashway	Erection of two skeleton steel towers, one as a renewal, and the other to replace one destroyed by a windstorm	3,269 02
Tiner Point	Installation of an electric light system	220 63
Tongue shoal	Repairs to foundation of lighthouse	131 36
Miscellaneous expenses	Materials in connection with the establishment of buoys, etc.	470 62
	Travelling expenses of officials, telegrams, salaries of foremen, etc.	3,216 20
	Total expenditure for New Brunswick	33,363 04

PRINCE EDWARD ISLAND.

NEW AIDS TO NAVIGATION.

Port Borden	Erection of range lights and the installation of 2½-inch. reflectors with Duplex burners	1,204 97
	CHANGES AND IMPROVEMENTS IN EXISTING AIDS.	
Brush wharf	Repairs to breastwork at back range light	23 00
Cape Egmont	Repairs to fence	19 22
Charlottetown (Marine wharf.)	Wire to keep teams off east side of wharf, and painting mooring posts	11 00
	Repairs to float	13 25
	Repairs to wharf	102 10

SESSIONAL PAPER No. 21

PRINCE EDWARD ISLAND.—Continued.

Name of Light Station.	Nature of Work.	Expenditure during Fiscal Year.	
		\$	cts.
Covehead.....	Construction of two moveable range lights and boxes for lanterns.....	46	08
East point.....	Installation of a modern diaphone plant, not completed.....	426	31
Murray harbour.....	Temporary repairs to foundation of outer range light.....	20	00
Shipwreck point.....	Digging out the cellar under lighthouse and dwelling.....	20	00
Summerside.....	Cost of release of mortgage.....	20	39
".....	Piles returned to stores and credited, \$83.....		
Total cost for Prince Edward Island		1,906	23

QUEBEC.

NEW AIDS TO NAVIGATION.

Anticosti (N. Channel)..	Erection of lighthouse and fog alarm plant at Charleton point, Table Head, and North point. Will be completed next year.	72,233	61
Escoumains.....	Provision of a hand fog-horn.....	18	30
Moisie river.....	Provision of a hand fog-horn		
Quebec bridge.....	Provision and erection of four anchor lanterns placed on the bridge.....	634	54
Bersimis.....	Installation of two standard headlight lanterns.....	149	90
Bird Rocks.....	Repairs to tramway and replacing groynes.....	4,485	35
Cape Anguille.....	Provision and erection of a derrick	231	57
Cap au Corbeau.....	Purchase of site.....	75	00
Cape Salmon.....	Completion of the installation of diaphone plant.....	3,732	58
East Cape.....	Installation of Aga equipment	1,390	52
Egg Island.....	Installation of new double flash apparatus, Chanteloup clock and 35 mm burner	1,387	08
Flower Island.....	Outstanding account in connection with installation of apparatus.	12	35
Grand Entry.....	Erection of new pole and provision and installation of headlight lantern.....	91	55
Heath Point.....	Construction of dwelling for lightkeeper	7,104	57
Little Metis.....	Erection of fog-alarm building and installation of fog-alarm plant	9,212	69
New Carlisle.....	Installation of anchor lantern and hoisting gear.....	196	45
Perce Wharf.....	Erection of mast on wharf.....	25	00
Pointe des Monts.....	Preliminary expenses in connection with new fog-alarm building and installation of fog-alarm machinery	146	57
Port Daniel.....	Erection of a 22-foot concrete tower replacing tower destroyed by fire, will be completed next year	1,690	80
Quebec (Henry Wharf)..	Repairs to wharf	1,386	20
Quebec Agency.....	Installation of hydrant	113	22
Red Islet.....	Outstanding accounts in connection with installation of reflector.	55	10
River St. John.....	Re-erection of front light and rebuilding oil shed.....	94	92
Sandy Beach.....	Repairs to pier extension.....	27	50
Thunder River.....	Outstanding account in connection with the erection of shelter shed.....	18	85
Upper Traverse.....	Repairs to pier.....	1,182	90
White Island Light Ship	Installation of boiler.....	2,243	43
Miscellaneous Expenses.	Materials, etc., in connection with buoys and beacons.....	1,072	31
	Expenses incurred in the several workshops, including wages, material, power, etc., the salaries of erectors, travelling expenses of officials, telegrams and general upkeep of agency, etc.	46,942	89
Total expenditure for Quebec.....		155,955	75

MONTREAL AGENCY.

CHANGES AND IMPROVEMENTS IN EXISTING AIDS.

Bloody Island.....	Provision and installation of a 5th order lens and duplex lamp...	363	40
Cap de la Madeleine....	Erection of a 4-section steel skeleton tower to increase height of back light, and front light moved to new site.....	2,519	57
Gentilly.....	Provision and erection of a 6-foot cast iron lantern and 30 inch reflector to replace apparatus destroyed by fire.....	1,816	65
Grondines.....	Purchase of right-of-way.....	210	00
Ile de Grace.....	Repairs to foundation.....	286	01
Montreal Agency.....	Repairs and fittings to boats and scows used on construction work, pay and board of men, including <i>Acetylene, Adclward, Lotbinière, Margot, Quebec, Reserve, Sarah</i> , and other small scows.	16,041	78

MONTREAL AGENCY.—Continued.

Name of Light Station.	Nature of Work.	Expenditure during Fiscal Year.	
		\$	cts.
St. Sulpice Course.....	Moving tower on to expropriated ground.....	18	00
	Legal expenses in connection with site.....	42	00
St. Onge.....	Purchase of site.....	40	00
Sorel.....	Erection of fireproof storage shed.....	246	32
Vandreuil.....	Provision and installation of two square station lanterns.....	74	11
Miscellaneous.....	Travelling expenses of officials, salaries of foremen, telegrams, etc.....	8,837	58
	Materials, etc., in connection with the construction of buoys.....	1,909	83
	Total expenditure for Montreal Agency.....	32,405	55

ONTARIO.

NEW AIDS TO NAVIGATION.

Davieaux Island.....	Erection of a 30 foot concrete tower. Will be completed next year	6,860	08
Mission Channel.....	Erection of acetylene beacon.....	85	93
Point Abino.....	Erection of a reinforced concrete lighthouse tower and fog-alarm building combined, lightkeeper's dwelling, installation of 3rd order dioptri apparatus, and diaphone.....	37,770	65
Port Burwell.....	Erection of small fog-alarm building, provision and installation of a 1½ inch diaphone plant operated by a gas engine.....	2,083	77
Quebec Harbour.....	Agate Island, lighthouse moved to main island and used as a front light, and erection of wooden tower for back light, and installation of catoptric lights. Cost of this work is included in the expenses at Davieaux Island.		

CHANGES AND IMPROVEMENTS IN EXISTING AIDS.

Amherstburg.....	Repairs to wharf.....	290	00
Battle Island.....	Application of Toxement paint to tower.....	11	94
Belleville.....	Repairs to lighthouse pier.....	157	22
Bois Blanc.....	Re-erection of boathouse.....	425	38
Brighton.....	Repairs to No. 2 lighthouse pier.....	34	29
Colchester reef.....	Repairs.....	3,128	53
Cole Shoal.....	Alterations, installation of new lantern and strength of light increased.....	896	94
	Erection of fence at back range lighthouse site.....	33	49
Devils Elbow.....	Erection of two pairs of beacons.....	39	50
Four-Mile Point.....	Snake Island, lighthouse moved to Four-Mile point, and installation of 4th order lens.....	1,606	10
Gibraltar Point.....	Provision and installation of 4th order lens.....	298	50
Gull, launch.....	Repairs to launch.....	23	35
Hope Island.....	Construction of summer kitchen and alterations to dwelling.....	268	78
Main Duck Island.....	Construction of breakwater and elevated walk.....	59	41
	Repairs to boathouse and concreted floor of oil house, etc.....	69	75
Niagara-on-the-lake.....	Repairs to cribwork, etc.....	362	92
	Outstanding accounts re installation of reflectors last year.....	103	88
Point Clark.....	Pointing stone lighthouse tower, painting same with Toxement, and repairs to lantern.....	659	35
	Plans, registration fees, etc., of site.....	26	45
	Digging drain.....	25	00
Port Maitland.....	Cost of diaphone, belting, etc., installed last year.....	126	53
Port Whitby.....	Repairs to lighthouse.....	118	00
Red Horse Rock.....	Construction of new foundation to lighthouse.....	519	68
Red Rock.....	Erection of metal chimney.....	36	02
Rondeau.....	Repairs to protection cribwork.....	156	65
Sister Rock.....	Re-construction of beacon and installation of Aga system.....	78	44
Snake Island.....	Repairs to cribwork.....	952	11
Western Islands.....	Construction of platform.....	312	77
Miscellaneous expenses.....	Repairs to sloop <i>Prescott</i>	71	21
	Total expenditure for Ontario.....	57,695	42
Prescott.....	Under the system of operating the Dominion Lighthouse Depot there is a credit of \$32,752 65 in its favour, which effects all the provinces and is shown in the recapitulation by provinces at the end of this report.		

SESSIONAL PAPER No. 21

BRITISH COLUMBIA.
NEW AIDS TO NAVIGATION.

Name of Light Station.	Nature of Work	Expenditure during Fiscal Year.
		\$ cts.
Cook Point.....	Construction of concrete beacon.....	90 03
False Reef.....	Construction of concrete beacon.....	143 00
Genoa Bay.....	Construction of concrete beacon.....	144 95
Liddle Channel (North of Brook Island).....	Construction of concrete beacon.....	113 49
Liddle Channel (East of Liddle Channel).....	Construction of concrete beacon.....	166 66
Ogden Point.....	Cost of lantern, etc., installed last year.....	41 69
Quatsino Sound.....	Construction of concrete beacons at Mist rock and Bull rock.....	208 06

CHANGES AND IMPROVEMENTS IN EXISTING AIDS.

Birnie.....	The unwatched light destroyed by fire was replaced by an automatic acetylene beacon.....	162 97
Carr Point.....	Installation of Aga light.....	360 35
Egg Island.....	Erection of oil house, tool shed, hoist engine room, and repairs to hoist. Completed this year.....	90 96
Entrance Island.....	Cost of surveying land.....	47 25
Langara.....	Provision of power car, planks for track, and an aerial carriage.....	825 94
Lawyer Island.....	Machinery for illuminating apparatus.....	1,648 89
Pine Island.....	Erection of aerial tramway, installation of engine, etc.....	795 63
Portlock Point.....	Construction of boatways, and building chimney.....	168 53
Race Rocks.....	Cost of diaphone engine, etc.....	1,568 72
Sheal Point.....	Beacon carried away by towboat replaced.....	216 18
Squally Point.....	Installation of Aga system.....	357 67
Victoria Depot.....	Improvements to depot by construction of roads, etc.....	1,648 96
	Reinforced concrete oil and carbide shed.....	3,849 70
	Renewing canvas deck on roof of derrick scow.....	168 46
Miscellaneous.....	Materials, etc., in connection with the establishment of buoys, etc. Salaries of foremen, travelling expenses of local officers, telegrams, etc., labour and other expenses.....	9,572 21
	Total expenditure for British Columbia.....	26,348 61

HEADQUARTERS.

Miscellaneous expenses, including travelling expenses of officers, blue-print work, unforeseen expenses, photographic work, salaries of foremen, etc.....	19,748 32
---	-----------

RECAPITULATION BY PROVINCES.

Nova Scotia.....	\$ 62,905 59
New Brunswick.....	33,363 04
Prince Edward Island.....	1,873 23
Quebec district.....	155,955 75
Montreal district.....	32,405 55
Ontario and Northwest.....	57,695 42
British Columbia.....	26,348 61
Headquarters.....	19,748 32
	\$390,295 51
Dominion Lighthouse Depot credit.....	32,752 65
Grand total expended.....	\$257,542 86

APPENDIX No. 2.

REPORT OF THE COMMISSIONER OF LIGHTS.

The principal work performed has been, an extension of the buoy and beacon services, together with the maintenance of lights and other aids to navigation throughout the Dominion, and the maintenance and inspection of public wharves under the control of the Department of Marine and Fisheries. The operations of this branch are set forth in tabular form in two inclosures.

In former reports it had been my habit to add further inclosures giving the names of lightstations and lightkeepers, a complete list of stations at which gas buoys were maintained, new establishments of gas and signal buoys, withdrawals, and a statement giving complete list of stations at which submarine bells were maintained. As this information is already contained in other government publications it is not repeated here.

INCLOSURE No. 1.—Statement, by districts, showing the number of lights of the several orders, lightships, lightboats, lightkeepers, fog signals, buoys, submarine bells, etc.

	1st Order Lights.	2nd Order Lights.	3rd Order Lights.	4th Order Lights.	5th Order Lights.	6th Order Lights.	7th Order Lights.	Gas Beacons.	Pressed Lens Lights and other minor types.	Catoptric Lights.	Electric Lights.	Total.	Lightships.	Lightboats.	Lightkeepers.	Diaphones.	Fog Guns and Bombs.	Fog Horns and Trumpets.	Fog Whistles.	Sirens.
New Brunswick	2	4	21	14	19	58	2	16	42	4	182	1	1	150	15	23	1	1	1	1
Nova Scotia	3	5	12	52	28	31	68	26	75	13	313	2	2	290	23	1	1	4	4	1
Prince Edward Island	5	7	15	14	12	2	2	4	52	1	83	4	4	52	2	1	1	1	1	1
Quebec	5	7	15	22	6	16	42	18	89	10	236	1	1	185	27	6	1	4	1	1
Hudson Bay and Strait				9	12	7	18	10	34	145	5	10		160						
Montreal				3	16	5	6	6	8	9	3	236		160		10				
Prescott				3	16	5	6	18	20	8	3	88		48		10				
Parry Sound		5	9	21	14	14	51	27	34	66	20	261	1	148	23			1	2	1
Kenora				2	3	3	4	3	2	2	2	9		6						
Manitoba				2	3	3	4	1	1	1	1	16		10						
British Columbia	5	1	5	12	8	12	18	58	10	7	16	142	1	79	21					
Total	13	20	48	169	92	97	288	128	155	492	75	1,575	9	1,128	124	8	3	11	2	2

	Fog Bells.	Hand Fog Horns.	Hand Fog Bells.	Total Fog Signals.	Fog Signal Stations only.	Gas Buoys.	Gas and Whistling Buoys.	Gas and Bell Buoys.	Whistling Buoys.	Bell Buoys.	Submarine Bell Buoys.	Total Gas and Signal Buoys.	Lightship Submarine Bells.	Total Submarine Bells.	Lighted Spar Buoys, Floats and Dolphins.	Unlighted Buoys.	Stakes and Buoys.	Unlighted Dolphins, Spindles and Beacons.
New Brunswick	5	18	40	4	14	11	2	9	28	4	68	1	5	828	1,469	14		
Nova Scotia	7	56	92	4	6	21	11	16	45	5	104	1	6	1,326	139	45		
Prince Edward Island	2	2	5	1	1	5	5	5	7	1	18	1	1	401	401	5		
Quebec	21	4	6	1	64	57	5	1	1	2	74	3	5	188	125	18		
Hudson Bay and Strait					88						88			1	527	180	128	
Montreal		6	1	20	36	1	1	1	1		38			58	538		4	
Prescott	3	36	66		36	4	8	2			50	1	1	28	564	39	36	
Parry Sound															365			
Kenora		4	4												25			
Manitoba		8	41	4	3	11	5	1	3		21	1	1	14	221		118	
British Columbia	12																	
Total	30	151	5	337	13	248	52	31	32	87	11	464	7	18	102	4,933	2,353	368

SESSIONAL PAPER No. 21

ENCLOSURE No. 2.—Statement, by localities, giving the number of unlighted buoys, stakes, bushes, dolphins, spindles and beacons maintained throughout the Dominion during the fiscal year ended March 31, 1918.

NEW BRUNSWICK.

Locality and number of stakes, bushes, etc.	No. of Buoys.	Locality and number of stakes, bushes, etc.	No. of Buoys.
Aldouane, 42 bushes	5	Magagnadavic	13
Alma	3	Maquapit and French lakes, 57 stakes	13
Avon river (Nova Scotia)	5	Minudie (Nova Scotia)	1
Baie du Vin, 8 bushes	12	Miramichi bay and river, 12 bushes	35
Baie Verte and Port Elgin, 30 stakes	6	Miramichi river, Grandoon channel	20
Bartibog and Black rivers, 12 bushes	1	Miramichi, river, northwest branch	14
Bathurst	8	Miramichi river, southwest branch	9
Beaver harbour	4	Miscou	8
Black Brook, Miramichi river	3	Musquash	7
Blacks harbour	3	Napan river, 24 stakes	3
Bliss Island	1	Neguac	19
Buctouche, 34 stakes	22	Old Man rock (Nova Scotia)	1
Buctouche river, 260 bushes	10	Old Woman rock (Nova Scotia)	1
Campobello	16	Owl head (Nova Scotia)	1
Caraquet	3	Pea point	1
Caraquet to Maisonnette	1	Peases island (Nova Scotia)	1
Chamcook Harbour entrance	3	Petitcodiac river	8
Chance Harbour	1	Petit Rocher	1
Chebogue (Nova Scotia)	3	Pokemouche, bushes	6
Clarke Harbour (Nova Scotia)	1	Quace	1
Cocagne, 30 stakes	11	Richibucto	38
Cumberland basin (Nova Scotia)	1	Richibucto, Rexton and Browns yard	30
Dalhousie and Restigouche	10	Roaring Bull rock (Nova Scotia)	1
Deadmans	1	Robinsons Ball station, Wood harbour (Nova Scotia)	2
Digby and Annapolis river and Bear river (Nova Scotia)	16	St. Andrews, 3 stakes	19
Didgequash	6	St. Charles river, 60 bushes	2
Dipper Harbour	4	St. John harbour	2
Dochet Island, St. Croix river	1	St. John river, 154 stakes	79
Dorchester	5	St. Louis, 70 bushes	9
Grande Anse	4	St. Louis river, 54 bushes and stakes	6
Grandigue, 30 stakes, 20 bushes	2	St. Simon bay, 15 bushes	15
Grand lake, bushes	32	Salmon river, bushing	1
Grand Manan, 9 spindles	27	Schooner rock (Nova Scotia)	6
Grassy Island, St. John river, 18 stakes	7	Scotchtown	2
Great Shemogue	7	Shampers wharf, 15 bushes	19
Gull ledges (Nova Scotia)	1	Shediac	27
Hatfield point, St. John river, bushes	1	Shippigan, 27 pickets, 30 stakes, 1 beacon	1
Huckleberry gully, 28 bushes	4	Stay point, Lepreau river	20
Indian point bar channel, Grand lake, 10 bushes	3	Tabusintac	12
John ledge (Nova Scotia)	1	Tracadie, north gully, 100 bushes	5
Kouchibouguac and Black Lands gully, 150 bushes	14	Tracadie, south gully, 30 bushes	4
Letite, L'Etang and Bliss harbour	17	Tynemouth creek	2
Little Shemogue, 2 poles	5	Washadamoak lake, 144 bushes	2
Little Shippigan	4	Waweig river	23
Lorneville	1	West isles, 4 spindles	9
		Yarmouth (Nova Scotia)	

NOVA SCOTIA DISTRICT.

Advocate harbour	9	Big Lorraine	3
Amherst basin	4	Birchtown	5
Apple river	8	Blandford	5
Ardoise	5	Boulaceet, Gillies point	1
Argyle river and sound	10	Bridgewater	6
Arichat	19	Brule	9
Barrington, 11 dolphins	44	Calf Island bay	5
Bayside, S. ag bay	4	Canso and St. Andrews passage, 20 winter buoys	31
Bear river	7	Cape Negro and Northeast harbour	17
Beaver harbour	9	Caribou	6
Beaver island	1	Chester and Gold river	28
Beaver narrows, C.B.	2		

STATEMENT, by localities, giving the number of unlighted buoys, etc.—*Continued.*NOVA SCOTIA DISTRICT.—*Continued.*

Locality and number of stakes, bushes, etc.	No. of Buoys.	Locality and number of stakes, bushes, etc.	No. of Buoys.
Cheticamp	14	McVarish shoal and Campbell point, Bras d'Or	4
Chezze-ctook and Petpeswick	11	Merigomish, bushes	6
Christmas island and Barra strait	11	Middle ledge or South Easter, 1 winter buoy	1
Clark's harbour	17	Monsellier, 4 stakes	6
Clyde river	5	Musquodoboit	15
Cockerwitt pass and Woods harbour	19	Neil harbour	1
Coddle harbour	6	New harbour, 1 winter spar	12
Cooks cove (Toby cove)	4	Northport	3
Country harbour	1	Orangedale	1
Crooked channel	5	Orpheus, off Green island	6
Crow harbour	3	Parrsboro	11
Denny river	3	Pennant harbour	18
D'Escousse and Lennox passage	29	Petitdegrat, 6 winter buoys	1
Deveaux shoal, off Betty island	1	Pollock shoal, off West Ironbound island	4
Dover	5	Pope harbour	5
East bay, Bras d'Or	5	Port Bickerton, 3 winter buoys	11
East Dover	3	Port Felix, 1 stake	5
Eskasoni	6	Port Hood, 2 winter buoys	17
Fourchu harbour	15	Port Latour	13
Freeport, 1 beacon	3	Port Hebert	6
Gegoggin	7	Port Medway	1
Glace bay	4	Port Morien	9
Goose bay, 35 stakes	8	Port Monton	2
Grand Etang	4	Pringle harbour	10
Great Bras d'Or	7	Prospect, lower	4
Guysborough	5	Prospect, upper	21
Habitants bay	5	Pubnico	8
Halifax	16	Pugwash	1
Harbour island	1	Ram rock, Jordan bay	6
Harrigan cove	3	River Bourgeois	3
Hautford shoal, off cape Hogan	1	River John, stakes	6
Havre Bouche, 6 stakes	4	River Phillip	6
Indian harbour	4	Rose bay, lower	5
Ingomish, South bay	9	Roseway	12
Isaac harbour, 9 winter buoys	13	St. Ann	6
Jeddore, winter buoys	11	St. Margaret bay	11
Johnson harbour	5	St. Mary river, winter buoys	18
Ketch harbour	6	St. Mary river to Sherbrooke	16
Kieley cove, Blind bay	4	St. Peter bay, 4 winter buoys	12
Lahave	5	St. Peter inlet	29
Lahave river	5	Sambro	8
Larry river, 7 stakes	3	Shad bay	17
Liscomb, winter spars	7	Shag harbour	9
Little Bras d'Or	12	Sheet harbour, 5 winter buoys	9
Little Dover	9	Shelburne	11
Little Liscomb	4	Ship harbour, lower, 6 winter buoys	8
Little Narrows	10	Shulee	1
Liverpool	10	Slaughenwhite ledge, Hubbard cove	1
Lockeport	14	Smith island, west bay	22
Lorenbec (Little Lorraine)	5	Sober island to Ecum Secum	6
Louisbourg, 6 winter buoys	8	Spy bay	1
Lunenburg	8	Stoney island, Baddeck	5
Lunenburg, back cove	9	Strait of Canso	6
Lunenburg, middle south, 6 winter buoys	16	Sydney harbour	3
Mabou, stakes	20	Tancook island	7
Mahone bay	13	Tangier, 7 winter buoys	18
Mainadieu	5	Tatamagonche, 46 stakes	3
Marble mountain	5	Terence bay	6
Margaree harbour, 7 stakes	2	Three Fathom harbour	5
Marie Joseph and Ecum Secum, 11 winter buoys	16	Tidnish, stakes	21
Martin's brook	6	Tor bay	9
McKinnon harbour	6	Tusket river	17
McNab cove	2	Tusket Wedge, 3 spindles	

SESSIONAL PAPER No. 21

STATEMENT, by localities, giving the number of unlighted buoys, etc.—*Continued.*NOVA SCOTIA DISTRICT.—*Concluded.*

Locality and number of stakes, bushes, etc.	No. of Buoys.	Locality and number of stakes, bushes, etc.	No. of Buoys.
Voglers cove.....	3	West Dublin	12
Walkerville	3	Weymouth.....	19
Wallace, 33 stakes.....	11	Whitehaven, 5 winter buoys.....	8
Walton harbour.....	1	Whitehead island, 1 winter spar.....	4
Washaback river.....	7	Whycocomagh .....	.....
West bay.....	5	Yarmouth, 30 dolphins.....	.....
West Chezzetcook.....	7		

PRINCE EDWARD ISLAND DISTRICT.

Alberton	1	Little channel	3
Amherst Harbour (Magdalen islands).....	8	Malpeque, 2 stakes	25
Bay Fortune.....	3	Mimimegash	6
Beach point.....	3	Miscouche	2
Belle river	3	Montague, 10 stakes.....	7
Boughton or Grand river, 72 bush stakes, 1 beacon	12	Murray harbour and rivers, 25 stakes, 1 winter spar.....	35
Brae harbour.....	5	Mullens shoal, Grindstone island (Mag- dalen islands).....	1
Brudenell river.....	5	New London, French river, 15 stakes.....	8
Cape Bear	1	North river, 14 stakes	3
Cape Sharp.....	1	Orwell and Vernon river, 36 bushes, 4 beacons	3
Cardigan, Lower, 2 winter buoys.....	8	Pictou (Nova Scotia).....	6
Cardigan, Upper.....	20	Pinette, 24 bushes	8
Cascumpeque, 13 stakes.....	16	Pointe du Chene (New Brunswick).....	1
Charlottetown.....	15	Point Prim.....	1
Covehead.....	3	Port Hill.....	12
Crapaud, stakes.....	7	Pownal, 10 stakes.....	9
East river, 15 stakes, 8 bushes.....	14	Rifeman reef	1
Egmont bay, north, 19 stakes.....	9	Rollo bay	3
Egmont bay, south, 13 stakes.....	3	Rustico, 30 stakes	6
Entry island and Amherst island passage (Magdalen islands).....	7	St. Peter harbour, 6 stakes.....	5
Georgetown, 6 winter spars	21	Sandy Hook (Magdalen islands)	1
Goose and Palmer harbours.....	5	Savage harbour	2
Grand Entry (Magdalen islands).....	17	Souris.....	4
Grand river, off Cape Sixteen, Malpeque bay.....	8	Stanley and Bayfield channel, Southwest river—Clifton bridge, 14 stakes.....	9
Grand Tracadie.....	4	Summerside, 10 stakes.....	10
Great Shemogue (New Brunswick).....	2	West point.....	2
House Harbour (Magdalen islands).....	11	West river, 65 stakes.....	8
Jouriman reef (New Brunswick).....	1	Wood islands.....	4
Jouriman shoal (New Brunswick).....	2		

QUEBEC DISTRICT.

Anse a Beaufils	1	Lake St. John, Mistassini river, 60 bushes.....	12
Anse aux Gascons	1	Lake St. John, Peribonka river and Rober- val, 35 bushes.....	16
Barachois de Malbaie.....	1	Little river east.....	1
Beaudry shoal, Gaspé basin.....	1	Little river west.....	1
Beauport.....	3	Maria.....	2
Bonaventure.....	11	Matane.....	2
Cap Chat.....	1	Moisie river.....	7
Cape Cove.....	1	Nanashkwan.....	4
Cape d'Espoir	1	New Richmond.....	3
Carleton point.....	1	Nouvelle roads.....	2
Echourie rock (Serpent reef).....	1	Paspebiac.....	1
Fox river.....	1	Pentecost.....	1
Gaspé.....	6	Perce.....	2
Gros-cap-aux-Ôs.....	1	Point St. Peter.....	1
Lake St. John, Ashuapmuchuan river, 30 bushes.....	7	Port Daniel.....	1

9 GEORGE V, A. 1919

STATEMENT, by localities, giving the number of unlighted buoys, etc.—*Continued.*QUEBEC DISTRICT.—*Continued.*

Locality and Number of Stakes, bushes, etc.	No. of Buoys.	Locality and Number of Stakes, Bushes, etc.	No. of Buoys.
Portneuf-en-bas.....	9	St. Godfroy.....	1
Restigouche river.....	12	St. Michel de Bellechasse.....	4
River St. Lawrence, 10 beacons, 8 spindles, 6 winter buoys.....	31	St. Thomas de Montmagny.....	8
Ste. Anne river.....	1	Saguenay river, vicinity of Chicoutimi ..	33

MONTREAL DISTRICT.

Lake Memphramagog.....	1	St. Maurice river, Grandes Piles to La- tuque, 106-day beacons.....	74
Ottawa river district.....	85	Yamachiche river, 30 balises and 4-day beacons.....	
Richelieu rapids, bushes.....		Yamaska river, 60 balises and 6-day beacons.....	
Richelieu river, above St. Johns.....	29		
Richelieu river, Sorel to Chambly.....	37		
River St. Lawrence, 10 balises.....	290		
Riviere des Prairies.....	11		
St. Francis river, 80 balises and 12-day beacons.....			

PRESCOTT DISTRICT.

Bay of Quinte.....	17	River St. Lawrence, 4 beacons.....	81
Kingston, lake Ontario.....	12	Telegraph narrows, bay of Quinte.....	8
Lake Ontario, N.S. of Snake island light.....	1	Trent canal (maintained for this Depart- ment by Department of Railways and Canals) ..	317
" " of Long point, Wolfe island.....	1	Trenton, bay of Quinte.....	16
" " E. of Presqu'île light.....	1	Whitby, lake Ontario.....	5
Lake St. Francis.....	33		
Murray canal and Presqu'île bay.....	22		
Napanee river.....	17		
Pictou harbour, Bay of Quinte.....	7		

PARRY SOUND DISTRICT.

Blind river.....	6	Mutton island, lake Superior.....	2
Burke shoal, lake Superior.....	1	Owen Sound channel, Georgian bay.....	4
Byng Inlet channel, Georgian bay, 6 beacons.....	27	Parry Sound channel, 2 beacons.....	20
Cache bay, lake Nipissing, 8 stakes.....		Parry Sound to Penetanguishene (Minni- coganeshene channel).....	37
Cape Hurd, lake Huron.....	3	Pembroke.....	29
Clapperton channel, 1 beacon.....	8	Penetanguishene.....	12
Cloud bay, lake Superior.....	2	Pointe au Baril, 15 beacons.....	3
Collingwood.....	13	Port Arthur.....	17
Detroit river.....	30	Port Rowan.....	10
Goderich.....	7	Port Severn, Georgian bay.....	14
Grand reef, lake Superior.....	1	River Thames.....	7
Honey harbour.....	15	Rondeau.....	6
Kaministikwia river, Fort William, lake Superior.....	15	St. Clair river, Chenal Ecarte.....	1
Key harbour, Georgian bay.....	24	St. Joseph channel, lake Huron, 1 beacon, 5 winter buoys.....	25
Key Inlet channel, Georgian bay, 6 beacons.....		Sault Ste. Marie, canal approaches.....	32
Killarney harbour, Georgian bay.....	3	Silver islet, lake Superior.....	2
Lake Couchiching and narrows, 11 bushes.....	8	Southampton.....	7
Lake Huron and Georgian bay.....	22	South Baymouth.....	4
Lake Simcoe.....	5	Stokes bay.....	6
Lake Superior, southeastern part.....	7	Sturgeon river, 20 stakes.....	16
Lionhead harbour, Georgian bay.....	1	Victoria island, lake Superior.....	3
Little Current.....	27	Waubaushene.....	53
Meaford, Georgian bay.....	3	Wabuno channel, 3 beacons.....	5
Michipicoten.....	6	Wingfield basin, Georgian bay.....	4
Mud lake, river St. Mary, 2 beacons.....	11		

SESSIONAL PAPER No. 21

STATEMENT, by localities, giving the number of unlighted buoys, etc.—*Continued.*

KENORA DISTRICT.

Locality and Number of Stakes, Bushes, etc.	No. of Buoys.
Maintained by Agency.....	365

MANITOBA DISTRICT.

Locality and Number of Stakes, Bushes, Etc.	No. of Buoys.	Locality and Number of Stakes, Bushes, Etc.	No. of Buoys.
Black river.....	6	Warren landing.....	12
Red river.....	7		

BRITISH COLUMBIA DISTRICT.

Alberni, Somass river, 4 beacons.....		Malaspina strait, 3 beacons.....	2
Alberni canal, 1 beacon.....		Masset sound, 1 beacon.....	
Arrow lakes, Upper and Lower.....	16	Metlakatla harbour.....	5
Barkley sound, 1 beacon.....	1	Mud bay, Serpentine and Nicomeck Rivers,	
Baynes sound, 1 beacon.....	7	27 beacons.....	
Bloxam shoal, entrance Telegraph passage..	1	Nanaimo harbour, 1 beacon.....	12
Boat harbour.....	2	Neill ledge, Broughton strait.....	1
Burrard inlet, 3 beacons.....	5	Observatory inlet, 2 beacons.....	3
Celia reef, Shute passage.....	1	Okisollo channel, 3 beacons.....	
Chatham sound, 1 beacon.....	4	Oyster harbour, 1 beacon.....	1
Clayoquot sound, 3 beacons.....	12	Pender harbour, 1 beacon.....	
Coal harbour.....	7	Pender island canal.....	2
Colburne passage.....	2	Pitt river.....	9
Courtenay river, 12 beacons.....		Porlier pass, 2 beacons.....	
Departure bay.....	1	Porpoise harbour.....	6
Dorcas rock, Ballenas channel.....	1	Portland canal.....	4
Enterprise reef, southern approach Active		Port Simpson.....	3
pass, 1 beacon.....		Prince Rupert harbour, 1 beacon.....	2
Esquimalt harbour, 1 beacon.....	4	Quatsino sound, 2 beacons.....	1
False narrows, Northumberland channel...	2	Saanich inlet, 3 beacons.....	2
Fort point, Nass bay, 1 beacon.....		Satellite channel, 1 beacon.....	1
Fraser river.....	30	Seaforth channel, 3 beacons.....	
Ganges harbour.....	2	Sidney channel, 1 beacon.....	6
Gibson Landing, Shoal channel, 1 beacon...		Skeena river, 5 beacons.....	2
Goletas channel, 1 beacon.....		Skidegate channel, 3 beacons.....	
Grappler reef, Houston passage.....	1	Skidegate inlet.....	1
Grenville channel, 3 beacons.....		South Thompson river, 4 day beacons.....	18
Haro strait, 1 beacon.....	2	Strait of Georgia, 2 beacons.....	5
Hankin rock, Fortune channel.....	1	Strait of Juan de Fuca.....	1
Hornby island, Lambert channel.....	1	Stuart channel, 3 beacons.....	2
Joan rock, Prevost passage.....	1	Sutil channel, 1 beacon.....	2
Johnstone strait, 4 beacons.....	2	Tolmie channel, 1 beacon.....	
Kootenay lake.....	7	Trinconali channel, 2 beacons.....	3
Kootenay lake, northwest arm.....	11	Victoria harbour, 2 beacons.....	
Kuakume island, Fitzhugh sound, 1 beacon		Walbran rock, Fisher channel.....	1
Kyuquot sound.....	1	Welcome pass.....	1
Lana passage, 3 beacons.....			

APPENDIX No. 3.

RIVER ST. LAWRENCE SHIP CHANNEL.

REPORT OF V. W. FORNERET, B.A. Sc., SUPERINTENDING ENGINEER.

GENERAL INFORMATION.

The ship channel of the river St. Lawrence between Montreal and Father Point, has a total length of 340 statute miles.

The contracted part of the river, which may be properly called "Ship Channel" commences at "The Traverse" to which point from Montreal, the distance is 220 miles. This is divided into five divisions as follows:—

	Statute miles.
Division 1—Montreal to Sorel.	45
" 2—Sorel to Batiscan (does not include lake St. Peter).	36
" 3—Lake St. Peter.	20
" 4—Batiscan to Quebec.	59
" 5—Quebec to the Traverse.	60
Total.	220

Owing to existing conditions, it was decided to reduce the dredging operations considerably during the season of 1917. Only eleven dredges and attending plant were placed in commission, compared with fifteen last season, to deepen and improve the ship channel. It was also decided to operate them with day crews only, instead of working 24 hours per day as formerly. This naturally made a great difference with the results obtained during the season, as compared with other seasons.

The total amount of material removed by the reduced fleet during the season of 1917, amounted to 2,517,376 cubic yards, varying from soft clay to very hard shale rock.

DIVISION 1—MONTREAL TO SOREL.

Longue Pointe Curve.—Some progress was made on the widening of this curve. It is proposed to increase the present width of 500 feet to 650 and deepen it to 35 feet at E.L.W.; the dredged material being hard-pan. Total number of cubic yards dredged was 8,250.

Pointe aux Trembles Channel.—Considerable work was done on this channel on the deepening to 35 feet at E.L.W. Only 500 feet for half the width of the channel remains to be done to complete it. The material removed consists mostly of shale rock and some clay. Total number of cubic yards dredged was 67,575.

Varenes Curve.—Only one dredge was placed to work for a short time on this curve, deepening to 35 feet at E.L.W. Material to be dredged being clay. Total number of cubic yards removed was 38,420.

Cap St. Michel to Vercheres Channel.—Good progress was made on this channel with the deepening to 35 feet at E.L.W. Had the dredges worked day and night as formerly, this channel would have been completed to 35 feet at E.L.W. There only remains 1,900 feet for half the width of the channel, yet to be done; material dredged being clay. Number of cubic yards removed was 345,100.

SESSIONAL PAPER No. 21

Vercheres Traversé.—One dredge was employed for a short period on this part of the channel on the 35-foot deepening project and some progress made. Material, clay. Total number of cubic yards removed was 24,325.

Vercheres to Contrecoeur Channel.—Good progress was made on this channel with the deepening to 35 feet at E.L.W.; one dredge being employed all season; dredged material being clay. The total number of cubic yards removed was 366,775.

Contrecoeur Channel.—One dredge was employed on this channel all season, on the 35-foot deepening project. She worked at the commencement of the season on the "Petite traverse" for about a month, and the remainder of the season on Contrecoeur traverse. Total number of cubic yards removed was 156,000; the material being clay.

Repentigny Steamboat Channel.—A dredge was placed to clean up several lumps found with the testing scow at the lower end of the curve at the junction of Repentigny and Ile Lebel ranges, in order to take full advantage of the widened curve, which is now 700 feet in width. This channel is being used more every year, and consequently relieves the main ship channel of so much traffic and renders it safer. The total amount dredged, season of 1917, amounted to 10,000 cubic yards, the material being clay and stones.

Approach Channel to Imperial Oil Co's. Wharf, Pointe aux Trembles.—When this wharf was built by the Montreal Harbour Commissioners, it was constructed for 28 feet at low water, which depth is available at the wharf. It was found, however, that the depth of water from the main ship channel to this wharf was not more than 24 or 25 feet at E.L.W. Owing to the many inquiries and the large ships going to this wharf to take oil for overseas, practically every transport visiting Montreal harbour being required to take oil on her outward voyage, it was urgent that a channel approach be dredged to this wharf for these ships.

The Montreal Harbour Commissioners, not having the proper equipment to carry out this work, applied to the Department of Marine for the use of one of the ship channel elevator dredges and attending plant. As this work was very urgent, the department agreed to let the commissioners have the loan of a dredge. Work was commenced on September 4, dredging a channel 500 feet in width and 28½ feet at E.L.W. in depth. On November 27 work had to stop on account of ice. There remains only about a week's work to complete the channel, which it is proposed to do next season. The total number of cubic yards dredged amounted to 49,275; the material being clay and stones.

DIVISION 2—SOREL TO BATISCAN (DOES NOT INCLUDE LAKE ST. PETER.)

Ile de Grace Channel.—Very good progress was made in this channel which was completed to 35 feet at E.L.W. The number of cubic yards removed amounted to 350,850, the material being clay.

Upper Stone Island Course.—A commencement was made on this part of the channel to deepen to 35 feet at E.L.W., a dredge being employed here for a few days. The number of cubic yards dredged being 2,500. Material, clay.

Champlain Channel.—One dredge was employed for part of the season in cleaning up to 30 feet at E.L.W. some sand bars which had formed in this channel. This is the only point where filling of any importance occurs in the ship channel between Montreal and Quebec. The amount of dredging done amounted to 28,400 cubic yards.

DIVISION 3.—(LAKE ST. PETER.)

No work was done in the division during the season of 1917.

DIVISION 4.—BATISCAN TO QUEBEC.

Cap à la Roche Curve.—Two powerful rock dredges and one rock cutter, one stone lifter and attending plant, were employed all season on this part of the channel. Owing to the hard nature of the material to be dredged, being solid rock with numerous boulders to be lifted, and a very strong current to contend with, progress at this point is naturally slower than other parts of the channel. Notwithstanding good progress was made. Total amount dredged during the season was 80,706 cubic yards. In addition there is a considerable area broken by the rock cutter in readiness for the dredges to commence work next season.

DIVISION 5—(QUEBEC TO THE TRAVERSE).

North Channel.—(By way of Cap Tourmente to Goose cape).—During the season of 1917, the two powerful sea-going hydraulic dredges, Nos. 8 and 9, were employed dredging in this channel and very good progress was made, although the dredges worked only during the daytime. The number of cubic yards removed by both dredges during the whole season amounted to 989,200, the material being sand, gravel, clay and stones.

The Cap à la Roche semaphore, which shows the available depth of water in the dredged channel at Cap à la Roche, was put in operation May 4, 1917, and the St. Nicholas semaphore, which shows the depth available over the undredged St. Augustin bar, also on May 4, 1917.

The usual sweeping of the ship channel was done during the season and no obstruction of a serious nature was found. Some sand bars found in Champlain channel were removed before the low water season.

The total cost from 1851 to the end of the fiscal year, March 31, 1918, of the ship channel from Montreal to Father Point, including plant, shops, surveys, etc., is as follows:—

Dredging..	\$14,167,914 13
Plant, shops, surveys, etc..	8,107,622 99
Total..	<hr/> \$22,275,537 12 <hr/>

The total number of cubic yards removed, amounted to 116,307,773, the material varying from very hard shale rock to soft blue clay.

RIVER ST. LAWRENCE SHIP CHANNEL BETWEEN MONTREAL AND FATHER POINT.

ACCIDENTS DURING SEASON 1917.

During the season of 1917, very few accidents occurred in the River St. Lawrence Ship Channel, between Montreal and Father Point; and none of them can be attributed to any fault of the ship channel.

Montreal to Quebec.

Barge *Katie H.*—August 3. In tow of tug *J. H. Hackett*, struck lightly transport steamer *Celia* near Pointe au Soldat at head of lake St. Peter. Barge received slight damage.

Steamer *Imperoyal.*—June 5. Collided with steamboat *Maisonneuve* in Contre-cour channel. The *Maisonneuve* sank outside of channel but was refloated

Steamer *Coniston.*—June 18. Collided with a canal barge loaded with coal at the upper end of No. 2 curve, lake St. Peter. The barge sank several hundred feet outside the channel, on the south bank.

SESSIONAL PAPER No. 21

Tug *Hudson*.—September 6. Tug *Hudson* belonging to the Sincennes McNaughton Towing Company went ashore near Baptists' island, harbour of Three Rivers, during a dense fog. Was pulled off with no damage.

Tug *Emma L.*—September 27. Tug *Emma L.*, belonging to the Sincennes McNaughton Towing Company capsized and sank in Montreal harbour while assisting to move ss. *Metagama*. The tug was immediately raised

Tug *Virginia*.—November 2. Tug *Virginia* belonging to the Sincennes McNaughton Towing Company with a tow of barges ran aground off Baptists' island, harbour of Three Rivers, north of the ship channel. Two of the canal barges sank, owing to damages received from colliding with a large barge forming part of the tow, which was aground.

MARINE SIGNAL SERVICE.

Signal stations have been established for the purpose of maintaining communication between ship and shore by means of flag signals.

This system of stations extends from St. John, N.B., Halifax, N.S., Cape Race, Nfld., and Belle Isle, up the gulf and river St. Lawrence and through the Great Lakes to Sault Ste. Marie, Ont.

FOLLOWING IS A COMPLETE LIST OF STATIONS EAST OF QUEBEC.

Name of Station.	Location.	Nautical Miles from Quebec.	Means of Communication.
R Quebec	Custom House	0	Telephone.
X St. Jean d'Orleans	Shore end of wharf	14	"
Crane Island	Lighthouse	32	"
L'Islet	100 yds. east of church	40	Telegraph.
Cape Salmon	Lighthouse	81	Telegraph & Telephone.
Rivière du Loup	Shore end of wharf	92	Telegraph.
Father Point	"	157	"
Little Metis	Lighthouse	175	"
Matane	"	200	"
Pointe des Monts	"	219	"
Cap Chat	"	234	"
Rivière à la Marthe	"	260	"
Cape Magdalen	"	294	"
F Fame Point	"	325	"
Cap des Rosiers	"	349	"
Cap d'Espoir	"	377	"
Point Maquereau	"	400	"
West Point, Anticosti	"	332	"
Southwest Point, Anticosti	"	360	"
South Point, Anticosti	"	415	"
F Heath Point, Anticosti	"	438	"
Point Escuminac, N.B.	"	462	"
Amherst Island, Magdalen Islands.	"	481	"
St. Paul Island, C.B.	Main Station	540	Telephone.
F Money Point, C.B., N.S.	Lighthouse	537	"
F Flat Point, N.S.	"	575	Telegraph.
F Cape Ray, Nfld.	"	553	"
Cape Race, Nfld.	"	826	"
F Point Amour	"	673	Wireless Telegraph.
F Belle Isle	"	734	"
Camperdown, N.S.	Near Wireless Station.		Telephone.
Halifax, N.S.	The Citadel		"
Brier Island, N.S.	Near Lighthouse		"
Point Lepreau, N.B.	Lighthouse		"
Partridge Island, N.B.	"		"
St. John, N.B.	Custom House		"
Point Tupper, C.B., N.S.	Lighthouse (Gut of Canso)		"
Scutari Island, N.S.	Lighthouse (east end)		"

LIST OF STATIONS EAST OF QUEBEC.—*Continued.*

WEST OF QUEBEC.

Name of Station.	Location.	Nautical Miles from Quebec.	Means of Communication.
Bridge Station	½ mile above new Railway Bridge on south shore.	6	Telephone.
St. Nicholas	At Tidal Semaphore	12	"
Portneuf	In front Lighthouse	31	"
Grondines	In old windmill tower	41	"
St. Jean Deschaillons	At Tidal Semaphore	45	"
Pointe Citrouille	Lighthouse	55	"
Three Rivers	Upper end of Bureau wharf.	68	"
Sorel	Middle of Government wharf facing the St. Lawrence riv.	100	"
Bellmouth	About 500 feet east of Contre-cœur lower range light.	110	"
Cap St. Michel	On extreme point of Cap St. Michel.	125	"
Longue Pointe	Short dist. below presbytery.	134	"
R Montreal	La Sauvegarde Building, 92 Notre Dame St. E.	139	"

WEST OF MONTREAL.

		Nautical Miles from Montreal.	
R Lachine Canal	Lock No. 2	0	"
R " "	Lachine	8	"
R Soulanges Canal	Cascades Point	21	"
R " "	Coteau Landing	33	"
R Cornwall Canal	Cornwall	62	"
R " "	Dickinson's Landing	72	"
R Galops Canal	Lift Lock	99	Telegraph.
R Welland Canal	Port Dalhousie	298	"
R " "	Port Colborne	321	"
R Soo Canal	Sault Ste. Marie, Ont.	820	"

Stations marked thus "R" are reporting stations only and are not equipped for signalling purposes. Stations marked "X" closed during the period of the war. Stations marked thus "F" are equipped with flash lights for night signalling.

The Longue Pointe signal station was moved to a new site a short distance below the presbytery, owing to the old site being required for track extensions by the Montreal Harbour Commissioners. The building was thoroughly repaired and new basement built, also drain and water connections installed.

BRIEF SUMMARY OF WORK PERFORMED.

1. Stations report movements of vessels to Montreal, Quebec, Sydney, Halifax and St. John.
2. Stations report weather conditions daily to Montreal, Quebec, Sydney, Halifax and St. John.
3. Montreal, Quebec and St. John publish daily bulletins giving weather and ice conditions and movements of vessels.
4. Montreal and Quebec publish daily bulletins showing the depth of water in the river St. Lawrence ship channel at Cap à la Roche and St. Augustin bar.
5. The signal service offices at Montreal, Quebec and St. John are open day and night for the purpose of furnishing the public with information of shipping matters.
6. The telegraph system of the Department of Public Works on the north shore of the gulf of St. Lawrence report the movements of vessels engaged in the coasting trade to the signal service at Quebec.
7. The collectors of Customs at all the seaports in the river and gulf of St. Lawrence, on the Atlantic coast and in the bay of Fundy report the arrival and departure of vessels engaged in the overseas trade.
8. Lloyd's agents at Quebec are furnished daily with full information of casualties and movements of vessels engaged in the overseas trade to and from ports in the province of Quebec.

SESSIONAL PAPER No. 21

9. Lloyd's agents at St. John are furnished daily with full information of casualties and movements of vessels engaged in the overseas trade to and from ports in the Maritime Provinces.

ICE BREAKING, 1917-18.

REPORT OF ALPHONSE LAFLECHE, ACTING RESIDENT ENGINEER.

The Dominion Government steamers *Lady Grey* and *Montcalm* were employed in this work as follows:—

The *Lady Grey* commenced operations on November 23 from the foot of lake St. Peter to Three Rivers, on December 10 proceeded to Quebec to keep Cap Rouge passage and Quebec harbour open, broke two jams at Cap Rouge, one on December 27 and one on February 5. From February 18 to April 23, in conjunction with the *Montcalm*, kept the channel above Quebec open, from April 23 to 27 employed at the request of the Department of Railways and Canals in clearing Soulanges canal. This ended her season's work.

The *Montcalm* began work on December 15 escorting vessels to Murray Bay, from then until January 23 employed in escorting vessels and picking up lightkeepers; remained in Quebec undergoing repairs from January 23 to February 14; from February 18 to April 18, when she returned to Quebec, employed, together with the *Lady Grey*, in keeping the channel open above Quebec.

AVERAGE DEPTH FOR EACH MONTH IN THE 27½-FOOT CHANNEL (27½ FEET AT ORDINARY LOW WATER).

From Sorel Gauge during each year, May to November.

Year.	May.		June.		July.		Aug.		Sept.		Oct.		Nov.		Highest	Lowest.		
	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.	Ft.	In.				
1892.....	31	0	31	9	31	6	30	6	28	9	28	3	28	3	33	6	27	3
1893.....	35	0	34	3	30	9	29	9	29	6	28	6	28	0	37	6	27	6
1894.....	34	6	31	9	31	0	29	2	28	3	28	9	29	0	36	0	27	7
1895.....	33	3	31	3	28	3	28	3	27	6	26	9	26	9	34	6	25	10
1896.....	33	6	30	6	28	9	28	0	27	6	27	9	29	0	37	0	27	4
1897.....	35	6	32	6	30	3	29	3	28	0	27	0	27	6	37	0	26	5
1898.....	31	6	30	9	29	8	28	2	28	2	28	3	28	6	32	1	26	9
1899.....	36	2	31	9	30	3	28	6	27	6	28	0	27	9	37	9	26	9
1900.....	33	6	30	9	30	6	29	6	28	1	28	9	29	2	35	9	27	4
1901.....	34	3	31	10	29	2	28	3	27	7	27	4	27	3	36	3	26	6
1902.....	32	2	32	2	32	2	29	4	28	1	28	1	29	0	34	1	27	6
1903.....	33	0	30	11	30	5	29	5	28	4	29	0	27	11	32	8	26	11
1904.....	36	3	34	5	30	9	29	5	29	5	30	4	29	3	37	4	28	1
1905.....	31	10	30	8	29	7	29	0	28	6	28	5	28	1	33	6	27	1
1906.....	32	4	31	5	29	3	27	11	27	3	27	4	27	6	33	3	26	9

AVERAGE DEPTH FOR EACH MONTH IN THE 30-FOOT CHANNEL (30 FEET AT EXTREME LOW WATER OF 1897).

1907.....	37	1	35	9	34	3	32	10	32	4	32	9	33	7	38	2	31	10
1908.....	41	5	37	10	33	10	32	10	32	0	31	0	30	6	42	4	30	0
1909.....	40	6	37	6	33	10	33	2	32	7	32	4	31	6	42	7	30	11
1910.....	35	7	34	5	32	3	31	7	31	6	31	6	31	7	37	1	30	7
1911.....	36	6	34	6	32	1	31	3	30	9	30	2	30	3	38	1	29	4
1912.....	37	9	37	6	33	6	32	8	32	6	32	6	34	9	40	11	31	3
1913.....	37	0	34	4	32	8	31	10	31	6	32	1	32	7	38	6	31	1
1914.....	35	2	33	0	32	4	31	4	31	3	30	11	31	0	36	10	30	3
1915.....	34	7	32	6	31	6	31	4	31	1	30	11	30	8	37	4	30	1
1916.....	38	9	37	2	34	0	32	5	31	7	31	9	31	10	40	0	30	9
1917.....	36	8	36	6	34	10	33	6	32	3	32	6	33	0	38	2	31	3

COST OF SHIP CHANNEL TO DATE.—TABLE SHOWING THE TOTAL COST OF THE DREDGING AND PLANT AND THE QUANTITIES DREDGED TO MARCH 31, 1918.

	Cost of Dredging.	Expenditure for plant, shops, surveys, etc.	Quantities dredged.
	§ cts.	§ cts.	Cu. yds.
<i>Montreal Harbour Commissioners, 1851 to 1888.</i>			
Dredging Montreal to Cap à la Roche to 27½ feet at O.L.W. and from Cap à la Roche to Quebec to 27½ feet at half tide	3,402,494 35	534,809 65	19,865,693
<i>Department of Public Works.</i>			
Dredging consisting of widening and cleaning up of channel, deepening Cap à la Roche to Cap Charles to 27½ feet at O.L.W. and dredging at Grondines, Lotbinière and Ste. Croix 1889 to June 30, 1899...	829,583 08	486,971 79	3,558,733
<i>Project of 1899.</i>			
Dredging Channel between Montreal and Quebec to 30 feet at lowest water of 1897, also widening to a minimum width of 450 feet and straightening.			
Fiscal Year 1899-1900	100,191 01	265,270 78	1,107,894
" 1900-1901	136,680 83	287,040 04	2,479,385
" 1901-1902	183,429 80	479,731 47	3,098,350
" 1902-1903	253,776 55	277,703 50	6,544,605
" 1903-1904	276,958 59	308,765 44	4,619,260
<i>Department of Marine and Fisheries.</i>			
(This includes the work below Quebec.)			
Fiscal Year 1904-1905	311,087 93	277,225 69	2,716,220
" 1905-1906	431,768 30	317,327 37	4,047,530
" 1906-1907 (July 1, 1906 to March 31, 1907) ..	302,677 37	275,003 61	3,001,010
" 1907-1908	478,209 66	417,390 22	4,831,875
" 1908-1909	497,686 03	340,861 86	5,896,737
" 1909-1910	572,950 71	321,375 80	6,354,285
" 1910-1911	576,838 02	488,248 88	5,600,050
" 1911-1912	588,637 60	499,799 58	4,509,904
" 1912-1913	663,229 74	430,107 86	6,929,544
" 1913-1914	893,235 59	426,018 12	6,140,867
" 1914-1915	1,036,846 65	327,975 71	6,225,143
" 1915-1916	976,622 03	771,760 03	8,462,957
" 1916-1917	1,030,550 60	437,469 62	7,800,555
" 1917-1918	618,399 69	136,765 97	2,517,376
	14,167,914 13	8,107,622 99	116,307,773

PROGRESS OF DREDGING OPERATIONS AT THE CLOSE OF THE SEASON OF 1917, 30-FOOT PROJECT.

Locality.	Distance English miles.	Total length requiring dredging.	Length dredged in 1917.	Total length of 30 foot channel dredged.	Length yet to be dredged.
		Miles.	Miles.	Miles.	Miles.
Division 1— Montreal to Sorel.....	45	22.90	.....	22.90	All completed.
Division 2— Sorel to Batiscan	36	12.45	.....	12.45	All completed.
Division 3— Lake St. Peter.....	20	18.00	.....	* 0.50	
Division 4— Batiscan to Quebec.....	59	10.00	0.11	117.50 8.26	1.74
Division 5— Quebec to the Traverse.	69	6.65	.....	4.65	2.00
Total.....	220	70.00	0.11	66.26	3.74

* Not widened. † Widened.

SESSIONAL PAPER No. 21

PROGRESS OF DREDGING OPERATIONS AT THE CLOSE OF THE SEASON OF 1917, 30-FOOT PROJECT.

Locality.	Length of Dredging.		Cubic yards yet required to be done.
	Required.	Done.	
Division 1—	Miles.	Miles.	
Longueuil Shoal.....		1-10	
Longue Pte. to Pte. aux Trembles (E.H.).....		5-05	
Ile Ste. Therese.....		0-40	
Varenes to Cap St. Michel.....		3-00	
Cap St. Michel to Vercheres.....		4-50	
Vercheres Traverse.....		1-10	
Vercheres to Contrecoeur.....		1-70	
Contrecoeur Channel.....		6-05	
Total.....		22-90	
Division 2—			
Sorel to Ile de Grace.....		4-40	
Stone Island.....		1-10	
Ile aux Raisins.....		0-25	
Lake St. Peter (See Div. 3).....			
Port St. Francis.....		0-50	
Three Rivers.....		0-50	
Cap Madeleine to Becancour.....		1-55	
Becancour to Champlain.....		2-25	
Champlain to Pte. Citrouille.....		1-30	
Batture Perron.....		0-60	
Total.....		12-45	
Division 3—			
Lake St. Peter.....		* 0-50 † 17-50	200,000
Total.....		18-00	200,000
Division 4—			
Batiscan to Cap Levrard.....		3-00	
Cap à la Roche Channel.....	0-54	1-46	195,000
Pouillier Rayer.....		1-20	
Cap Charles.....		0-90	
Grondines.....		0-80	
Lotbinière.....		0-40	
Cap Santé.....		0-20	
Ste. Croix.....	0-60	0-30	300,000
St. Augustin.....	0-60		500,000
Total.....	1-74	8-26	995,000
Division 5:—			
Quebec to the Traverse.....	2-00	4-65	550,000
Total.....	2-00	4-65	550,000
Totals.....	3-74	66-26	1,745,000

* Not widened. † Widened.

9 GEORGE V, A. 1919

PROGRESS OF DREDGING OPERATIONS AT THE CLOSE OF THE SEASON OF 1917, 35-FOOT PROJECT.

Locality.	Distance English miles.	Total length requiring dredging.	Length dredged in 1917.	Total length of 35 foot channel dredged.	Length yet to be dredged.
		Miles.	Miles.	Miles.	Miles.
Division 1— Montreal to Sorel.....	45	28.63	1.46	16.03	12.60
Division 2— Sorel to Batiscau.....	36	19.75	0.54	6.09	13.66
Division 3— Lake St. Peter.....	20	18.32	.....	17.03	1.29
Division 4— Batiscau to Quebec.....	59	15.54	.....	.....	15.54
Division 5— Quebec to Goose Cape (North Chan- nel).....	66	8.14	.....	0.75	7.39
Total.....	226	90.38	2.00	39.90	50.48

SESSIONAL PAPER No. 21

PROGRESS OF DREDGING OPERATIONS AT THE CLOSE OF THE SEASON OF 1917, 35-FOOT PROJECT.

Locality.	Length of Dredging in miles.		Cubic Yards yet to be dredged.	Cubic Yards dredged.
	Yet to be done.	Done.		
Division 1—				
Longueuil Shoal.....	1-88	.....	721,454	
Longue Pte. Traverse.....	0-39	0-08	443,592	51,550
Longue Pte. Curve.....	1-24	0-08	991,531	242,350
Pointe aux Trembles Channel.....	0-97	2-97	588,532	1,200,075
Ile Ste. Therese Channel.....	1-12	.....	146,611	
Varens Curve.....	0-50	1-64	674,396	2,216,210
Cap St. Michel Curve.....	1-00	.....	500,500	
Cap St. Michel to Vercheres.....	0-25	4-47	140,233	1,913,350
Vercheres Traverse.....	1-10	0-14	281,789	28,875
Vercheres to Contrecoeur.....	1-23	0-68	816,225	554,200
Contrecoeur Channel.....	2-31	5-97	2,038,532	3,574,343
Lanoraie to Sorel.....	0-61	.....	159,215	
Totals Division 1.....	12-60	16-03	7,502,630	9,780,953
Division 2—				
Sorel to Ile de Grace.....	1-01	3-97	945,656	2,764,404
Stone Island.....	1-42	0-69	466,370	414,890
Ile aux Raisins.....	0-99	1-10	202,125	777,224
Port St. Francis.....	0-67	0-33	491,393	248,275
Three Rivers.....	0-72	.....	533,192	
Cap Madeleine to Becancour.....	2-40	.....	1,348,578	
Becancour to Champlain.....	1-16	.....	932,750	
Champlain to Pte. Citrouille.....	4-06	.....	2,632,356	
Batture Perron.....	1-23	.....	684,600	
Totals Division 2.....	13-66	6-09	8,236,930	4,204,793
Division 3—				
Lake St. Peter.....	1-29	17-03	1,161,570	11,335,582
Division 4—				
Baticamp to Cap Levrard.....	4-48	.....	2,386,168	
Cap Levrard Channel.....	1-27	.....	781,666	
Cap à la Roche Curve.....	2-06	.....	1,836,859	
Cap Charles Channel.....	2-04	.....	1,077,416	
Gronclines.....	0-33	.....	513,332	
Lotbiniere.....	0-47	.....	321,480	
Cap Santé.....	1-51	.....	653,561	
Ste. Croix.....	1-47	.....	798,518	
St. Augustin.....	1-41	.....	826,207	
Totals Division 4.....	15-54	.....	9,197,207	
Division 5—				
Quebec to Goose Cape (North Channel).....	.....	.....	.....	.....
Madame Reef Shoal.....	2-84	.....	2,585,132	
West Sand and East Narrows Shoals.....	4-55	0-75	1,605,673	11,962,368
Totals Division 5.....	7-39	0-75	4,190,805	11,962,368
Totals.....	50-48	39-90	30,289,142	37,283,696

"Abstract of work of dredging fleet, etc."

ABSTRACT OF WORK OF DREDGING FLEET DURING FISCAL YEAR ENDED MARCH 31, 1918.

Dredge.	Locality of Dredging.	Time of Service.	Nominal Working Hours 24 per day.	Hours actual dredging.	Number of Scoops Filled.	Number of cubic yards of dredged material (Scoop Measurement).	Depth of dredging at L.W.	Width in Feet.	Character of Soil.	Remarks.
"Laurier" No. 2.....	Verclères Traverse... Cap à la Roche Curve.	Days 30	Hours 300	198½	139	24,325	Feet in. 35 0	Feet. 450	Clay.....	Captain Kaplael Matte.
		84	840	352	143	25,044	30 0	450 to 550	Shale rock.	
		114	1,140	550½	282	49,369				
"Lady Aberdeen" No. 3..	Pointe aux Trembles Channel..... Channel approach, Pt. aux Trembles.....	96	960	766½	361	67,575	35 0	450	Shale rock and clay....	Captain Noël Baron.
		73	730	702½	249	49,275	28 0	500	Clay and stones.	
		169	1,630	1,668¾	610	116,850				
"Lady Minto" No. 4.....	Île de Grâce Channel, Upper Stone Island Course.....	124	1,240	891	573	143,250	35 0	450	Clay.....	Captain Jos. Pelotquin.
		5	50	26¾	10	2,500	35 0	450	Clay	
		129	1,290	917¾	583	145,750				
"Lafontaine" No. 5.....	Varannes Curve..... Cap à la Roche, Curve	28	280	221½	208	38,420	35 0	550 to 600	Clay.....	Captain Pierre Bibeau.
		101	1,010	545½	399	55,662	30 0	450 to 550	Shale rock.	
		129	1,290	737	517	94,082				
"Baldwin" No. 6.....	Repentigny Curve... Longue Pointe Curve, Champlain Channel....	15	150	85½	40	10,000	15 0	450 to 700	Clay and stones.....	Captain Antoine Morin.
		33	330	186½	33	8,250	35 0	450 to 650	Hard pan.	
		54	540	291½	128	28,400	30 0	450	Sand (Cleaning up).	
		102	1,020	563½	201	46,650				

SESSIONAL PAPER No. 21

" Beaujeu " No. 8.....	North Channel, East Narrows.....	117½	1,272	1,185½	399	638,400	35	0	1,000	Sand, grav. clay & stones	Captain A. Bourget.
" Galveston " No. 9.....	North Channel, East Narrows.....	14	144	115	23	26,100	35	0	1,000	Sand, grav. clay & stones	Captain A. Hoffman.
	North Channel, West Sand.....	114	1,230	1,062	274	324,700	35	0	1,000	Sand, grav. clay & stones	
		128	1,374	1,177	297	350,800					
Elevator Dredge No. 12....	Petite Traverse.....	33	330	117½	117	29,250	35	0	450	Clay.....	Captain Alexis Morin.
	Contrecoeur Traverse...	73	730	487½	507	126,750	35	0	450	Clay.....	
		106	1,060	604½	624	156,000					
Elevator Dredge No. 13....	Ile de Grâce Channel.	105	1,050	789½	692	297,600	35	0	450	Clay.....	Captain Pierre Millette.
Elevator Dredge No. 14....	Vercheres-Contrecoeur Channel.....	124	1,240	902	863	366,775	35	0	450	Clay.....	Captain Jos. Gou-dreault.
Elevator Dredge No. 15....	Cap St. Michel-Vercheres, Channel.....	121	1,210	716	812	345,100	35	0	450	Clay.....	Captain John Robidon.
						2,517,376					

APPENDIX No. 4.

SOREL SHIPYARD.

REPORT OF SUPERINTENDENT W. S. JACKSON.

At the commencement of the fiscal year, April 1, 1917, the winter repairs and renewals of the St. Lawrence ship channel fleet and the construction of light department vessels were nearly all completed and the outfitting in progress, engaging of the crews for the new season's work, etc.

The river Richelieu was clear of ice April 6, 1917, and the St. Lawrence at Sorel April 15, 1917.

The first dredge of the fleet left Sorel to go into commission May 3, 1917.

During the season the vessels were all maintained in a good and serviceable condition, and the necessary repairs carried out without undue detention to the working of the vessels.

NEW CONSTRUCTIONS.

C.G.S. *Berthier*, Yard No. 59.—This vessel was completed in the spring of 1917, and after a second satisfactory trial trip, the vessel was transferred to the Naval Service Department and left Sorel on May 16, 1917, for Halifax.

C.G.S. *Argenteuil*, Yard No. 60.—Vessel was launched April 18, 1917, with machinery and boilers on board, after satisfactory trials, left Sorel to go into commission July 7, 1917.

Three single screw steel trawlers, yard Nos. 69, 70 and 71.—(Lot A.B.C. Trawler 32, Trawler 33, Trawler 34), for the Director of Ship Construction, Montreal. The hulls, engines and boilers for all three were made at the shipyard.

Trawler 32 left Sorel, after satisfactory trial trip, for Quebec, December 3, 1917;

Trawler 33 was ready to leave, but was caught by the ice and had to winter in Sorel.

Trawler 34 was also completed by the fall, except the boiler, the material for same not being delivered, the vessel had to remain in Sorel until spring of 1918.

Three single screw wood drifters, yard Nos. 72, 73 and 74.—(Lot D.E.F. D. 51, D. 52, D. 53), for the Director of Ship Construction, Montreal. The hulls and the boilers were all constructed at the shipyard and the engines were supplied by the Director of Ship Construction. These vessels were all completed and tried under steam satisfactorily and left Sorel for Quebec, No. 51, Nov. 15, 1917, No. 52, Nov. 25, 1917, No. 53, Nov. 15, 1917.

Three single screw trawlers, yard Nos. 75, 76 and 77.—(Lot B.), for the Director of Ship Construction, Montreal. The three hulls and two sets of engines are to be constructed by the shipyard and the third set of engines and all three boilers will be supplied to us. This order for two was placed October 31, 1917, and the third hull on January, 1918. Progress on the engines is good, but the hulls are being kept back for want of material.

An order was placed with the department by Messrs. The Canadian Vickers Company, for two Scotch marine boilers for their construction No. 66. They supply the material and we build the boilers for a lump-sum price. The order was placed March 27, 1918. Size of boilers 15 feet 6 inches diameter by 11 feet 6 inches long, working pressure 180 pounds.

SESSIONAL PAPER No. 21

BUOYS.

During the fiscal year 1917-1918, we have constructed and shipped to various destinations twelve buoys of different designs, and we have now orders for three shallow draft bell buoys; four Aga gas buoys and six reinforced steel winter buoys.

GENERAL.

The shipyard launches *Bronx* and *Leros* were maintained in good order and painted. All the fences were kept in good order and whitewashed during the season.

The shipyard ways and wharves were repaired and kept in good condition.

The force employed during the fiscal year varied from 703 in June to 912 in November and averaged 807 men daily.

The financial statement shows the total amount expended at the shipyard and ship channel to have been \$1,458,725.09.

APPENDIX No. 5.

EXPENDITURE AND REVENUE.

STATEMENT of Expenditure and Revenue, Marine Department, 1917-18.

Service.	Appropriation.		Expenditure.		Balance.	
	\$	cts.	\$	cts.	\$	cts.
Ocean and river service—						
Dominion steamers and icebreakers.....	1,180,000	00	1,108,539	23	71,460	77
Examination of masters and mates.....	16,500	00	13,589	12	2,910	88
Claims vs. defaulting steward.....		827 26		827 26		
Investigation into wrecks.....	12,300	00	9,633	18	2,666	82
Schools of navigation.....	8,000	00	4,814	53	3,185	47
Registration of shipping.....	3,000	00	2,615	90		384 10
Removal of obstructions.....	20,000	00	7,719	30	12,280	70
Winter mail service.....						
Cattle inspection.....	5,000	00	2,364	88	2,635	12
Wrecking plants.....	45,000	00	42,500	00	2,500	00
Sts. to replace "Quadra".....	159,000	00			150,000	00
Unforeseen expenses.....	5,000	00		70 36	4,929	64
Total.....	1,445,627	26	1,192,673	76	252,953	50
Steamboat inspection—						
Steamboat inspection.....	79,749	00	70,380	61	9,368	39
Public works—Chargeable to capital—						
Ship channel.....	672,000	00	656,421	63	15,578	37
Dredging plant, Montreal and Father Point.....	216,550	00	94,537	59	122,012	41
Total.....	888,550	00	750,959	22	137,590	78
Scientific institutions—	201,793	00	193,236	96	8,556	04
Meteorological service.....						
Lighthouse and coast service—						
Compensation to Townsend.....	2,000	00	2,000	00		
Agencies, rents and contingencies.....	166,000	00	165,966	79		33 21
Salaries and allowances to lightkeepers.....	485,000	00	464,090	99	20,909	01
Maintenance and repairs to lighthouses.....	750,000	00	709,707	00	49,293	00
Construction of lighthouses, etc.....	600,000	00	357,542	86	242,457	14
Comp. allowance, Hilyard.....		500 00		500 00		
Signal service.....	60,000	00	53,253	80	6,746	20
Administration of pilotage.....	56,300	00	52,068	10	4,231	90
Maintenance and repairs to wharves.....	10,000	00	10,019	49		
Breaking ice in lake Superior, etc.....	40,000	00	25,141	00	14,859	00
Harbour master, Amherstburg.....	400	00	400	00		
Repairs to Maritime Road, Gaspé.....	1,000	00	797	98	202	02
Repairing sts. "Scout".....	12,000	00	4,589	10	7,410	90
Pension to retired pilots.....	8,700	00	8,475	00	225	00
Telephones in connection with aids to navigation.....		500 00			500	00
Sts. "Maisonneuve".....	12,000	00	11,936	19	63	81
McGillivray vs Kimber.....	2,821	05	2,821	05		
Total.....	2,207,221	05	1,860,309	35	346,931	19
Overdraft.....					19	49
Marine hospitals—						
Marine hospitals.....	75,000	00	51,623	89	23,376	11
Shipwrecked and distressed seamen.....	3,000	00	1,545	52	1,454	48
Total.....	78,000	00	53,169	41	24,830	59

SESSIONAL PAPER No. 21

STATEMENT of Expenditure and Revenue, Marine Department, 1917-18.—Continued.

Service.	Appropriation.	Expenditure.	Balance.
	§ cts.	§ cts.	§ cts.
Civil government salaries.....	220,920 83	211,147 70	9,773 13
Contingencies.....	32,000 00	29,621 40	2,378 60
Total, salaries and contingencies.....	252,920 83	240,769 10	12,151 73
Overdraft in repairs to wharves.....			19 49
Grand totals.....	5,153,861 14	4,361,498 41	792,362 73

RECAPITULATION OF SERVICES.

Ocean and river service.....	1,445,627 26	1,192,673 76	252,953 50
Public works (capital).....	888,550 00	750,959 22	137,590 78
Lighthouse and coast service.....	2,207,221 05	1,860,309 35	346,911 70
Scientific institutions.....	201,793 00	193,236 96	8,556 04
Marine hospitals.....	78,000 00	53,169 41	24,830 59
Steamboat inspection.....	79,749 00	70,380 61	9,368 39
Civil government salaries.....	220,920 83	211,147 70	9,773 13
Contingencies.....	32,000 00	29,621 40	2,378 60
Grand total.....	5,153,861 14	4,361,498 41	792,362 73
Less overdraft.....			19 49
			792,343 24

STATEMENT of Revenue, Department of Marine, for the fiscal year ending
March 31, 1918.

—	Gross.	Refund.	Net.
	§ cts.	§ cts.	§ cts.
Piers and wharves.....	94,622 52	521 00	94,101 52
Harbours.....	1,157 22		1,157 22
DOMINION STEAMERS.			
Champlain—Express, \$402 68; freight, \$2,279.97; passengers, \$6,479.48; war tax, \$7.20; meals, \$2.20.....	9,389 33		
Druid, passengers.....	15 00		
Rouville, freight.....	137 95		
Montcalm—Passengers, \$36.10; freight, \$3.....	39 10		
			9,581 38
Retired pilots' fund.....	5,316 33		5,316 33
Steamboat inspection.....	1,588 80		1,588 80
Steamboat engineers' fees.....	1,204 00		1,204 00
Sick mariners' fund.....	64,351 67	715 97	63,635 70
Signal service dues.....	612 00		612 00
Fines and forfeitures.....	850 00		850 00
Marine register fees.....	54 18		54 18
Examination masters and mates.....	4,504 57	18 72	4,485 85
Casual revenue sundries.....	49,469 76	3,244 61	46,225 15
	233,312 43	4,500 30	288,812 13

APPENDIX No. 6.

METEOROLOGICAL SERVICE.

TORONTO, May 14, 1918.

REPORT OF R. F. STUPART, DIRECTOR.

Meteorological returns have been received at the central office from 607 stations, inclusive of 31 new climatological stations, but exclusive of 112 storm-signal stations, and 7 stations which have ceased reporting.

The following are the new stations, together with the names of the observers:—

Dome Creek, B.C.—E. L. Webber.	Crystal City, Man.—Ralph Greenway.
Field, B.C.—Charles Statham.	Morden, Man.—E. M. Straight.
Harper's Camp, B.C.—H. L. Walters.	Portage la Prairie, Man.—John Simpson.
Lake Hill, B.C.—E. L. Fleming.	Algonquin Park, Ont.—Geo. W. Bartlett.
Port Alberni, B.C.—C. T. Hilton.	Franz, Ont.—D. J. Bolton.
Bow Island, Alta.—M. Mortensen.	Harrow, Ont.—D. D. Digges.
Entrance, Alta.—C. MacFayden.	Kapuskasing, Ont.—S. Ballantyne.
Meanook, Alta.—H. E. Cook.	Bonaventure, Que.—H. Lane.
Munson, Alta.—P. R. Fraser.	Farnham, Que.—L. E. Lorquet.
North Cooking Lake, Alta.—C. C. Bailey.	Spirit Lake, Que.—Pascal Fortier.
Whitlia, Alta.—R. H. Babe.	McAdam Junction, N.B.—W. J. Vaughan.
Alingly, Sask.—K. Varasour.	South Alton, N.S.—Thos. Welton.
Bigger, Sask.—Dr. S. E. Shaw.	Truro Normal Colege, N.S.—J. A. Benoit.
Herbert, Sask.—Chas. A. Stewart.	Belle Isle, Nfd.—P. Thomas.
Lodge Creek, Sask.—W. G. Edgerton.	Fogo, Nfd.—Harry Randell.
Usherville, Sask.—H. M. Morrison.	

For various duties in connection with the service 352 persons, chiefly observers, have been in receipt of pay, and of this number 35 were employed in the central office.

CENTRAL OFFICE.

The matter of the appointment of a young man with good university qualifications to the forecasting branch is still in abeyance, but with the return of men from active service it should soon be possible to secure a suitable man.

The daily forecasts have been issued twice daily throughout the year and disseminated widely in all parts of the Dominion. In the western provinces good progress has been made in extending the bulletins to the more important points served by the Canadian Northern Railway, and arrangements have recently been made to issue a daily forecast to places in the interior of British Columbia. The monthly record of meteorological observations which, as stated in my last report has taken the place of the Annual Climatological report, has been brought almost as closely to date as is possible, and the service can no longer be reproached for issuing belated reports. The monthly map published from four to five days after the close of each month gives most valuable information regarding the progress of the seasons and is greatly appreciated by all directly concerned with agricultural operations. The daily weather map has been issued without a break throughout the year and much of the data it contains is telegraphed to all parts of the Dominion. The report of the Toronto Observatory which has been issued annually since 1860 is now printed in the meteorological office press and was in print at an earlier date this year than ever before. It contains data which is of much interest now and will be of the utmost value in the future. Never in the history of the service have there been so many applications for meteorological data as during the past year, and in many instances the preparation of the particular

SESSIONAL PAPER No. 21

data asked for has entailed considerable clerical work. Applications have been from government offices, from electrical development engineers, pulpwood companies, irrigation engineers, railways, legal firms, cities, agricultural institutes, farmers, prospective immigrants and many others, and all inquiries have been replied to as fully and promptly as possible.

The following is a brief summary of the facts regarding storms and the warnings for the past year: navigation on the Great Lakes and in the river and gulf of St. Lawrence did not open until about the end of April and closed again early in December, during the period storms were not numerous. On the Great Lakes the winds only reached gale force on twenty occasions and to that of a fresh or heavy gale but seven times. October was the most stormy month with three fresh to heavy gales, the dates being the 12th, the 26th, and the 29th. One fresh gale was recorded in April, one in May and one in November, while navigation closed after the heavy gale and cold weather of December 8. In the St. Lawrence gales were also few in number, namely twenty-two; eight only attaining to a fresh or heavy storm. In the Maritime Provinces where navigation does not close forty-seven gales were experienced during the fiscal year; nineteen being fresh to heavy. December was the stormiest month with four heavy gales; January, February and March each experiencing three. Warnings were given on nearly all occasions, but several times when signals were displayed no storm was subsequently felt. The despatch of storm warnings was continued throughout the year to Newfoundland and very few were omitted. The ss. *Florizel* which was wrecked on the night of the 23rd of February with a loss of over ninety lives, left St. John's in the face of the heavy easterly gale signals which were flying.

The percentage of verification of storm warnings issued for Canada was 84.1.

PHYSICS BRANCH.

Balloons with self-recording instruments for upper-air investigation were sent up from Woodstock on the international days until November 1917, when the supply of instruments was exhausted.

The particulars of those received are given in the following table:—

Date.	Greatest Height.	Temperature at Greatest Height.	Height of Stratosphere.	Temperature at Base of Stratosphere.
April 12.....	7.3 mls.	-58 F.	6.4 mls.	-60
May 2.....	6.7	-60	6.3	-62
June 3.....	9.3	-62	6.9	-64
June 6.....	9.4	-80	9.3	-80
June 7.....	8.6	-42	Remarks—Did not reach Stratosphere.	

The recoveries have again been poor and it is the intention when the ascensions are resumed to try some other locality that the balloons may stand a better chance of being found. All the results of balloon ascents have been published to date.

During September, 1917, Mr. Patterson took meteorological observations at Father Point, P.Q., during the acoustic survey by Dr. L. V. King. Small balloons were used for the determination of the wind direction and velocity in the upper atmosphere during each set of observations on the sound signals, and observations with a pilot tube to determine the gustiness of the wind were taken. At the same time records of temperature, pressure, humidity and wind were obtained on self-recording instruments. The work was essentially preliminary in character and it revealed the very great importance of a knowledge of the upper-air conditions and the gustiness of the wind, in any investigation on the propagation of fog signals. It also showed this that in order to correlate the different phenomena, the special self-record-

ing instruments with an open time-scale and the time given by our clocks are required. A special report was made on the subject to Dr. King.

On Mr. Patterson's return from Father Point, Que., he was requested to undertake important war work and as he has had to give almost all his time to his new duties it has been found necessary to curtail the work of the physics branch.

The exhaustion of the supply of balloon instruments, and the lack of material for making them and his absence have made it impossible to continue the balloon ascents at present, but it is hoped that they may shortly be resumed.

The observations on evaporation and radiation have been continued, and for the greater part of the year the electrical potential of the air, has been measured, but it has not been possible to complete the installation of the earth thermometers.

All mercury used in barometers is now so carefully purified that the most delicate tests give no trace of impurities, and all barometers that become damaged through breakage of the tubes, etc., are repaired with a new tube and filled in the laboratory by a new process which has given very excellent results.

AGRICULTURAL METEOROLOGY.

The division of Agricultural Meteorology has arranged with the Department of Trade and Commerce to have the assistance and co-operation of the Census and Statistics Office in collecting data regarding wheat growth and the weather changes. Details of this arrangement will be found described in the March number of the "Bulletin of Agricultural Statistics." The experimental plots maintained on the Dominion Experimental Farms are being continued for another year. The data from these plots is now in hand from three successive seasons.

A preliminary article upon the results of the analysis up to the present time will be found in the April number of the "Monthly Bulletin of Agricultural Statistics."

PUBLICATIONS.

The library of the meteorological office received in the year 1917, 284 books and periodicals, besides numerous pamphlets. No books, periodicals or pamphlets were received from Russia, Roumania, Serbia, Belgium, Greece, Bulgaria, Austria-Hungary and Germany. The sending of books and periodicals from British India has been stopped until the end of the war through lack of shipping. France and Italy have sent fewer books and periodicals than usual. Owing to war conditions fewer reports were sent out. Number of year reports sent out, 516; number of Toronto Year Books, 136; Monthly Record, 400 each month; Monthly Map, 547 each month; Daily Map, 380 each day.

INSPECTION OF STATIONS.

The following stations were inspected: Pelee Island, Leamington, Harrow, Port Stanley, Parry Sound, Algonquin Park, Stonecliffe, Woodstock, N.B., Winnipeg, Minnedosa, Saskatoon, Prince Albert, Edmonton, South Athabasca, Meanook, Calgary, Medicine Hat, Swift Current, Qu'Appelle, Montreal, Bonaventure, Paspebiac, St. Godfrey, Port Daniel, L'Anse aux Gascons, Grand River, Cape Cove, L'Anse au Beaufils, Perce, Bathurst, Caraque, Sydney, Louisburg, Glace Bay, Port Morien, Ingonish, North Ingonish, Neils Harbour, Dingwall, White Point, North Sydney, Halifax, Yarmouth, Father Point, Southampton (twice).

MAGNETIC OBSERVATIONS.

During the fiscal year ending March 31, 1917, photographic records of the daily changes in the magnetic elements at both Agincourt and Meanook were obtained without any material loss. Preliminary results obtained from a first reduction of these records are published in the Monthly Journal of the Royal Astronomical Society

SESSIONAL PAPER No. 21

of Canada. The final reduction and analysis of results for the year 1915 were issued during the year and the 1916 results are now being prepared for publication.

Index corrections for compass attachment to 87 transit theodolites were determined and furnished to the Surveyor General, and assistance was given to members of the staff in standardizing their total force instruments both before and after their field work.

A summary of the results of observations during the fiscal year is published in the transactions of the Royal Society for both Agincourt and Meanook.

TIME SERVICE.

During the year ended March, 1918, sixty determinations for time were made in the meridian with the 3-inch Troughton & Simms transit instrument. The positions of the stars have been taken from the British Nautical Almanac and the American Ephemeris. During most of the winter the sky has been very much elouded and the weather generally unfavourable for many observations. The collimation error of the transit has been determined by the usual methods of reversal on Polaris and reversal on the collimation mark and by least squares computation in conjunction with that of the Azimuth error. Time has been given to all enquirers over the telegraph and telephone lines.

The foundation of the transit pier has remained very steady, the instrument not requiring any alteration in adjustment during the year. The different clocks and timepieces have, on the whole, performed well, but a new sidereal clock should be installed, as it is very difficult to keep the time up to the standard with only one clock to rate from. The usual time exchanges between Toronto and Quebec, Montreal and St. John, N.B., have been made and recorded upon the chronographs at the different observatories, the errors of the clocks being obtained by interpolation between the latest observations. Signals have been given over the fire-alarm system throughout the year at 11.55 a.m. Time has been given weekly to the magnetic observatory at Agincourt and also to the Canadian Northern Railway running out of Toronto.

The following table will show the differences between the times at the several observatories and that at Toronto. The sign + indicates slow of Toronto:—

Date.	Montreal.	Quebec.	St. John.
1917.	Seconds.	Seconds.	Seconds.
April 13	-0.11	+0.04	+0.10
May 11.	-0.61	+0.57	No exchange.
June 8.	-0.04	+0.35	.....
June 29.	-0.14	+0.02	-0.01
July 27.	+0.59	+0.99	+0.04
August 24	-1.34	-0.46	+0.51
September 7.	-0.20	+0.06	+0.02
September 28.	-0.13	+0.44	-0.10
October 19. . . . .	.....	-0.46	-1.20
November 16.	-0.28	+1.01	-0.75
December 14.	-0.04	+0.06	+0.06
1918.			
January 4.	-0.39	+1.37	+0.69
January 25.	-0.41	-0.23	+0.19
February 22.	-0.56	-0.37	-0.90
March 15.	-0.51	-0.04	-0.86
March 28.	-0.29	+2.06	-0.15
Average difference.	-0.30	+0.24	-0.17

Solar Observations.—The sun was observed with the 6-inch equatorial telescope on 144 days, on none of which was it completely free of spots. Very few observations were taken during December, 1917, and February, 1918, owing to cloudy sky and unfavourable weather conditions.

SEISMOLOGICAL OBSERVATIONS.

The Milne seismographs at Toronto and Victoria have been successfully kept in operation throughout the year without change in adjustment, both booms being kept at a period of 18 seconds. A small, illuminating lamp introduced in the Victoria instrument has reduced the thickness of the centre line on the trace. Previously, the line was so thick, it was impossible to detect small earth tremors.

Toronto registered 144 earthquakes during the year, two of which were very large, five of moderate character, and the remainder with amplitudes from 0.1 to 2 mm. The largest were recorded on May 1 and June 26, with centres in the region of the Kurile islands, and were possibly of submarine origin. The more moderate, occurred on June 8, July 27, August 16, December 29, and February 13, with centres generally in the Caribbean sea region. The quake on the 29th of December caused considerable damage and loss of life in Guatemala, whilst that on February 13, practically destroyed the Chinese city of Swatow, with the loss of life amounting to 10,000. Victoria recorded 122 disturbances during the year.

We continue to forward copies of our observations to various seismological bureaus throughout the world. Both Canadian stations are considered of great importance in helping to solve the laws regulating word-shaking earthquakes, but our seismographs were installed over twenty years ago, and seismologists consider the type as partially obsolete. The longitudinal or preliminary waves in a large percentage of cases are not registered, and it is highly important in the present study of seismology that these waves should be recorded, to determine absolutely their speed through the inner portion of the earth. A new type instrument adopted by the seismological committee of the British Association fulfills this requirement, and their stations are gradually being equipped with it.

It is hoped that in the near future our Canadian stations may be equipped with the same type, thereby restoring the value of our records to that high standard attained in earlier years.

PHENOLOGICAL OBSERVATIONS.

Phenological observation reports giving the dates of ploughing, sowing and reaping of grain, the flowering of plants, arrival of birds, etc., which indicate climatological conditions were received from forty-five stations. This is in excess of the number of the previous year. Excellent schedules, including average dates for Nova Scotia, were kindly supplied by Dr. A. H. Mackay, superintendent of education for that province; and credit is also due to Mr. W. H. Magee, inspector of schools for Saskatchewan, for seven reports from his section of that province. The collection and tabulation of phenological statistics is in charge of Mr. F. F. Payne.

OUTSIDE STATIONS.

Victoria.—The chief meteorological observatory of British Columbia to which all stations in that province report has been under the superintendence of Mr. F. N. Denison, who, with a staff of four assistants, has prepared bi-daily weather maps and issued forecasts for portions of the lower mainland. Quite recently it has been arranged to extend these forecasts to the more easterly portions of the province. Mr. Denison also superintends the computation of mean values for most of the stations and prepares monthly and weekly summaries for the press. The time ball at Victoria is operated by electric signal from the meteorological observatory. In addition to the meteorological and time work Mr. Denison has charge of a seismological equipment, which has for many years given most valuable records of seismic disturbance.

SESSIONAL PAPER No. 21

Edmonton.—Much of the work of this chief provincial station has, on account of the war, been in abeyance for the past three years, and at the present time no work beyond that of a telegraph reporting station is carried on.

Moosejaw.—All existing data regarding the climate of Saskatchewan are on file at the meteorological office in this town.

Montreal.—Prof. C. H. McLeod, who since 1873 had been in charge of the meteorological work at McGill University, died very suddenly and the service was thus deprived of an experienced and valued observer and meteorologist. His successor in office, Mr. James Weir, who for several years had been chief assistant, has furnished an exhaustive report of which the following is a synopsis:—

“The usual activities of the station have been carried on continuously throughout the year. Four eye observations of the various meteorological instruments are made daily and are used to standardize the continuous records obtained from self-recording instruments. Two reports are telegraphed daily to the central office, Toronto, for purposes of the weather map. The forecasts from the central office are received here through the Great Northwestern Telegraph about 11 a.m., and are thereafter available for the information of the public. The first report is by telephone and contains only the forecast proper. The bulletin arrives about 3 p.m. Scattered calls for the forecast are made, but the public are as yet not sufficiently aware of this facility.”

Time service.—Determinations of clock errors have been made by observations of 576 standard transits on 110 nights. The set in a night usually consists of 6 stars, one polar and two equatorial stars in each of the reverse positions of the instrument. The observed times of transit are recorded on the chronograph. The Troughton and Simms transit used is provided with a micrometer eye-piece arranged to make contacts. The probable error of the determinations usually is several hundredths of a second. Greater precision is futile in view of the time-keeping possibilities of the astronomical clocks in use, and the fact that the time signals given out, if kept well within the second, are subject to no criticism from the city, shipping and railway services which they supply. The Howard mean-time clock is regulated to carry 75th meridian time, or rather, at present, one hour in advance of it, and by means of its automatic system of signals, a knowledge of this time is given to a wide public. The following corporations receive these time signals: The Canadian Pacific Railway Company transmitting it daily to all stations along their lines to the Pacific, the Grand Trunk Railway Company despatching it from their head offices for their Eastern lines, the harbour commissioners of Montreal and the shipping. The noon time-ball for the use of shipping is regularly dropped on week days. At such times in the winter as it was ascertained the ball was not in action, the responsibility was placed with the harbour custodians. No failures to throw the switch at the observatory are to be reported throughout the year. By a special set of noon signals the fire stations and city utilize our time. In addition several jewellers requiring an accurate time standard have had installed loops and ticker service. Rental of the lines is chargeable against this service and the electric work is attended to by the Dominion Gresham Guarantee Company. It has been recently ascertained that the railways are satisfied with the character of service received and the intention is that their subscription, as well as those of the jewellers, shall be made payable to the bursar's office of the university and appear in the observatory items of grants and revenues.

APPENDIX A.

Arthur Smith of the Quebec Observatory, reports as follows:—The work performed at this observatory has been the same as in former years.

Besides the usual meteorological observations which were recorded without interruption, special reports and information were furnished to the public through the newspapers or otherwise.

The correct time was given by means of the telephone, and during the season of navigation by means of the old time-ball until the 6th of August when it was replaced by the new time-ball which was erected on the "Cavalier" building at the citadel. The ball was continued during part of the month of January as several sea-going steamers were still in the port of Quebec.

APPENDIX B.

D. L. Hutchinson, Director of the Observatory, St. John, N.B., reports as follows:—

Meteorological Service.

The regular observations of the various meteorological elements have been made, as particularized in previous reports, three times daily, without a break during the year. The morning and night observations are immediately telegraphed to Toronto; these, as well as the afternoon instrumental readings, serve as a check upon the autographic recording barograph, thermograph and hygrograph. Records of pressure temperature and relative humidity from these instruments, as well as wind direction and velocity from the anemograph, are tabulated for every hour and daily and monthly means abstracted. No important change has been made in the meteorological equipment. All instruments and apparatus are in good condition.

Comparison of instruments with the observatory standards for engineers, the military and others, has frequently been made and comparative data from the hourly records supplied to engineers doing field work in different parts of this province. The wind station at Point Lepreau continues to give valuable records of direction and velocity in that part of the bay of Fundy. The automatic records are sent here from that station for tabulation.

The "Weather Bulletin" has, as in the past, been issued every week-day morning. It is posted in prominent places and distributed through the mail, published in full by some and in part by others of our daily papers. The ever increasing and numerous daily requests for the weather forecasts, present and past conditions are answered at all times.

The New Brunswick Telephone Company continues the courtesy of sending the daily forecasts to all their stations in this province and at many of these stations bulletins are daily displayed. This service, I have been informed, is greatly appreciated by the residents of the different localities.

The monthly returns received here from all stations in the Maritime Provinces have been carefully checked and in most returns summed and meaned. After the necessary climatological data have been entered in our office registers the reports are prepared for publication and forwarded to your central office at Toronto. The climatological and other statistics from these reports are available to promptly answer the various inquiries we have for data covering the different points of the Maritime Province observing stations. To add to the efficiency of this service, more temperature and rainfall stations are particularly needed in New Brunswick to supply information about watersheds of rivers which are likely to be prospected for power purposes.

SESSIONAL PAPER No. 21

Maritime Province Time Service.

For the determination of the errors and rates of the sidereal clocks, observations of stars with the meridian telescope were made entirely by the impersonal micrometer method, the records from the contact points on the micrometer head being recorded on the chronograph sheet along with the seconds of the observing clock. The collimation and azimuth errors were determined from the observations, reversing the instrument upon its Ys about the middle of the group of stars under observation. The standard clocks continue to give accurate results. The primary sidereal in the basement clock-room has been run under constant pressure and temperature. The sealing of this clock to maintain constant pressure continues so perfect that not one stroke of the air pump was necessary during the year.

The mean time transmitting clock with its electrical contacts for automatically sending the time signals, as well as the various electrical appliances connected with this service, remains in excellent condition. The 10 a.m. daily time-signals now so useful and well known throughout the Maritime Provinces have been continued regularly. Special signals, when called for, are transmitted by telegraph or telephone, the beats of the mean-time clock relay being quite audible in the long distance receivers. Several of the chronometer and watch adjusters in Halifax, the Admiralty, Cable Docks and Nova Scotia Telephone Company, have private wire connection locally with the Western Union Office and receive our daily signal. The watch inspectors of the Canadian Government Railways in various parts of the province have wire connection with sounders on their premises to receive the time signal.

The St. John time ball has been dropped each week-day at 1 p.m. Atlantic standard time, excepting three days during the winter months, when the failures were caused by unavoidable wire trouble. In St. John the system of hourly synchronizing tower, street, factory, bank and office clocks by direct wire from the observatory continues to give satisfactory and useful service under the arrangement referred to in my previous reports. Those chronometer and watch adjusters not having their clocks hourly synchronized take the second beats by telephone and the public generally give us innumerable telephone calls daily for the correct time.

The Halifax time ball is dropped at 1 p.m. by time signals from the observatory, through the master clock in the Western Union Telegraph office there, which is automatically synchronized by our 10 a.m. time signal. The Halifax time service was temporarily deranged at the time of the explosion but though the plate-glass windows within a few feet of the pier carrying the master clock were completely shattered this clock was undamaged, did not stop, though undoubtedly disturbed by the severe shocks, and upon receipt of the first time signal from this observatory twelve days after the explosion, it was found to be eleven seconds slow. No damage occurred to the time ball apparatus on the citadel.

APPENDIX C.

E. Napier Denison, Director of the Gonzales Heights Observatory, Victoria, B.C., reports as follows:—

During the past year regular observations have been taken three times daily, and weather forecasts issued both morning and evening daily except on Sundays. These are published in the press on Vancouver island and on the lower mainland, and special morning weather bulletins are regularly delivered and posted in the city. Numerous inquiries by phone respecting weather conditions also have been attended to. Storm warning signals have been displayed at Victoria, Nanaimo, and Vancouver, and special warnings sent to certain shipping interests in advance of the great Pacific storms which during the winter season frequently spread over Vancouver island to the strait of Georgia.

Weekly and monthly weather reports obtained from our British Columbia telegraph stations are regularly published in the press of this province, and during the summer months special weather forecasts were furnished the Provincial Forestry Department respecting the advent of hot spells and dry winds which increase the forest fire risk.

River-level observations have been continuously taken at Kamloops, Lytton, and Yale during the spring and summer season, in order that these reports, in connection with our weather charts, will aid in the issuing of correct river-flood warnings in advance of dangerous river-levels in the Delta district of the Fraser river.

The monthly weather reports from all British Columbia stations, amounting to 135, have been regularly received here, checked and entered in our register, then forwarded to you for publication. Seventy weather reports are also received each month from certain provincial government stations. These are also entered here and then forwarded to you.

TIME SERVICE.

Owing to accurate star transit observations and steady rates maintained by the mean-time clock and the chronometers, the time service has been very satisfactory. The time ball on the Belmont building has been regularly dropped from this office at 1 p.m. daily, including Sundays and holidays, and it is used for setting public clocks, factory whistles, as well as being watched by shipping interests and numerous citizens.

I am pleased to state that during the year, I have, by special arrangement with Mr. Haughton, superintendent of our British Columbia Radio Telegraph Service, been able to furnish the time daily to all his wireless stations within a radius of 300 miles of Victoria at ten o'clock each morning. These time signals can also be picked up by any ships within this radius, including those lying in the harbours of Vancouver and Nanaimo.

I have now designed an automatic instrument, so that the international time letters may be sent accurately, when time will permit Mr. Haughton to have this instrument constructed.

During the year I have succeeded in purchasing two fine English pendulum clocks here in Victoria. One, after attaching an electric minute contact, is marking off the minutes on the vertical seismograph, and is holding a steady rate of one second per day. The other is being used as the mean-time clock in the time room, and having a very finely compensated pendulum, is maintaining a steady rate of one-quarter of a second per day.

Seismology.

During the past year 114 earthquakes were recorded here, while last year the number was 126. This year the maximum monthly number was 18 in July, while last year the monthly maximum was 17 in September. As slight changes of temperature have in the past affected the proper recording of quakes on the vertical seismograph by crowding the lines, I have perfected a delicate electric thermostat, which now keeps the temperature change to one-tenth of a degree F., and now clear parallel lines are obtained on the smoked paper surface.

As the records from this instrument are at all times visible quakes are clearly shown as soon as recorded, and in cases of large quakes, the time and place of origin of these can quickly be placed on the wire for the benefit of other observatories and the public.

The slow daily movements of the E-W horizontal pendulum have been carefully recorded, and as in the past 19 years interesting results have been obtained.

SESSIONAL PAPER No. 21

In connection with the study of these slow earth movements, I am pleased to state that the Honourable Minister of Mines for British Columbia has asked me to construct for his department, a delicate seismograph to be placed in the coal mines at Fernie, as an aid in determining the advent of dangerous conditions which might lead to gas explosions or serious "bumps."

It is gratifying to be able to report that during the past year over 700 visitors have been shown over this institution, and apart from the deep interest shown by them in the instruments, etc., the view from the roof was in all cases termed one of the finest in the world.

The amount of correspondence has also increased remarkably, amounting to 1,086 letters, both inward and outward, and 97 of the latter contained climatic data in reply to enquiries.

In conclusion I would respectfully urge that the British seismographs asked for last year, be purchased in order that more efficient and important practical work could be carried on here.

APPENDIX No. 7.

ANNUAL REPORT OF C. H. GODIN, MEDICAL SUPERINTENDENT OF THE MARINE HOSPITAL SERVICE, FOR THE FISCAL YEAR 1917-18.

SICK AND DISTRESSED MARINERS.

Under the provisions of the Canada Shipping Act, chapter 113, part 5, section 384, R.S., dues of 1½ cent per ton registered tonnage are levied on every vessel entering any port of the provinces of Quebec, Nova Scotia, New Brunswick, Prince Edward Island, and British Columbia. The money thus collected forms the Sick Mariners' Fund. Vessels of the burden of 100 tons and less pay duty once in each calendar year, and vessels of more than 100 tons registered tonnage, three times in each year.

The officers and seamen of all fishing vessels not registered in Canada do not pay sick mariners' dues nor participate in the benefits accruing therefrom, but such vessels registered in Canada may pay dues and participate in the benefits. If such ship is of the burden of more than 100 tons, registered tonnage, such payment shall entitle, to the said rights and benefits, only the master and mariners employed upon the voyage in respect of which such payment has been made; but the payment of the said duty three times in any calendar year in respect of such ship shall entitle the master and mariners thereof to the said rights and benefits during the remainder of such year in any such port.

The Act, chapter 113, Canadian Shipping, does not apply to the province of Ontario, so no dues are collected from vessels in that province.

Province of Quebec.—In this province sick mariners are treated at the following places: Quebec, at Jeffrey Hale and Hotel Dieu hospitals; Montreal, at the General and Notre Dame hospitals; infectious diseases are treated at the Alexandra and St. Paul's hospitals; Three Rivers, at the St. Joseph's hospital; Chicoutimi, at St. Valier's hospital; St. John, at St. John's hospital. At the ports of Rimouski, Sorel, and Rivière du Loup sick mariners are treated in the different local hospitals, and the medical services are rendered by the port physician.

Province of Nova Scotia.—Marine hospitals are maintained at Louisburg, Lunenburg, and Sydney. In Halifax treatment is given at the Victoria General hospital. Contagious diseases are treated at the City Isolation hospital. At Pictou, seamen are treated at the Pictou Cottage hospital, at North Sydney treatment is given at the Hamilton Memorial hospital, at Windsor seamen are treated at the Payzant Memorial hospital, at Amherst at the Highland View hospital. For Parrsboro and vicinity, sick seamen are taken to the Cottage hospital at Springhill. At Digby, sick mariners are treated at a designated hospital and the medical services are rendered by the port physician.

Province of British Columbia.—Victoria, sick mariners are treated at St. Joseph's hospital, Vancouver, at St. Paul's hospital, Nanaimo, at Nanaimo hospital, New Westminster, at St. Mary's hospital, Prince Rupert, at the Prince Rupert General hospital, Powell River, at St. Luke's hospital; at Chemainus and Ladysmith, sick mariners are treated in local hospitals, and the medical services are rendered by the port physician.

Province of New Brunswick.—A marine hospital is operated and maintained at Douglstown for sick mariners arriving at Chatham, Newcastle, and vicinity. In St. John, treatment is given at the General Public Commissioners' hospital; Campbellton, at the Hotel Dieu; Moncton, at the Moncton hospital.

SESSIONAL PAPER, No. 21

Province of Prince Edward Island.—At Charlottetown, treatment is given at the Charlottetown and Prince Edward Island hospitals, and at Summerside, at the Prince County hospital.

Where no hospital is maintained or designated in any part of the Maritime Provinces, Quebec, or British Columbia, the collector of customs is authorized to make the best provisions for sick mariners entitled to receive benefits of the fund.

Amount of appropriation.....	\$75,000 00
Amount of expenditure.....	51,447 17
Balance not expended.....	\$23,552 83

REFUNDS.

Naval Service.....	\$2,222 40
Railways & Canals.....	201 00
Total refunds.....	\$2,423 40

EXPENDITURE BY PROVINCES.

Province.	Number of Seamen.	Days Treatment.	Total Expenditure.
			\$ cts.
Nova Scotia.....	1,007	9,966	26,289 01
New Brunswick.....	262	1,319	5,942 95
Prince Edward Island.....	93	614	1,988 70
Quebec.....	453	5,963	11,594 35
British Columbia.....	286	3,339	7,784 35
General Account.....	1	29	271 21
Total.....	2,102	21,222	53,870 57

TABLE SHOWING EXPENDITURE FOR TREATMENT, BOARD, SUPPLIES, Etc., BY PROVINCES.

	Nova Scotia.	New Brunswick.	P.E.I.	Quebec.	British Columbia.	General Acct.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Board in hospitals and private houses.....	12,082 81	1,970 15	837 05	8,911 30	5,370 75	78 50
Medical and surgical treatment.....	1,242 90	643 15	493 15	463 05	49 60	
Medical officers' and keepers' salaries.....	9,519 55	2,900 00	650 00	1,275 00	1,500 00	
Fuel.....	1,007 13	127 01				
Water.....	54 00					
Light.....	184 46	25 50				
Supplies.....	808 33	16 75				
Telephone services.....	79 71	18 00				
Drugs, etc.....	374 08					
Repairs, etc.....	512 84	36 39				
Burials.....	25 00					
Transportation.....	70 20	6 00	8 50	145 00	39 00	
Special nursing.....	8 00				225 00	
Grants.....	300 00	200 00		800 00	400 00	
Medical assistance.....	20 00					
Printing.....						192 71
Totals.....	26,289 01	5,942 95	1,988 70	11,594 35	7,784 35	271 21

Total number sick mariners treated during the year 1917-18.....	2,102
Number of vessels which paid Sick Mariners' Dues.....	2,911
Membership of crews.....	58,041
Total amount of salaries paid to medical officers and keepers during the year 1917-18.....	\$15,844

GRANTS TO SEAMEN'S INSTITUTES.

<i>Nova Scotia—</i>		
Seamen's Society, Halifax.....	\$ 200 00	\$ 200 00
North Sydney Sailor's Home.....	100 00	100 00
<i>New Brunswick—</i>		
Seamen's Mission Society, St. John.....	200 00	200 00
<i>Quebec—</i>		
Montreal Seamen's Institute.....	200 00	200 00
“ Catholic Sailor's Club.....	200 00	200 00
Quebec Seamen's Institute.....	200 00	200 00
“ Catholic Sailor's Club.....	200 00	200 00
<i>British Columbia—</i>		
Seamen's Institute, Vancouver.....	200 00	200 00
“ “ Victoria.....	200 00	200 00
Total.....	\$	1,700 00

APPENDIX No. 8.

REPORT OF L. A. DEMERS, WRECK COMMISSIONER.

OTTAWA, May 20, 1918.

Formal investigations during the year	30
Preliminary inquiries	6

During the calendar year 1917 there were 239 casualties reported to the department, the tonnage of same being 715,383.87, and the damage approximately estimated at \$4,850,145 to ships and \$4,310,350 to cargo, while 152 lives were lost.

Of this total number of casualties 176 were to coasting and sea-going vessels, the tonnage of same being 141,104.17, the damage approximately estimated at \$4,608,445 to ships and \$4,234,850 to cargo, and 134 lives were lost; while 63 of the casualties were to inland vessels, the tonnage of which being 574,279.70, damage to same being estimated at \$241,700 to ships and \$75,500 to cargo, and 18 lives were lost.

In 108 of the casualties to coasting and sea-going vessels and 35 of the casualties to inland vessels the amount of damage is not stated.

Sixty-three of the casualties to coasting and sea-going vessels made up of 30 steam and 33 sailing vessels, resulted in total loss, the tonnage of same being 29,612.37, and this number 54 were Canadian, 5 British and 4 foreign vessels.

Fifteen of the casualties to inland vessels—made up of 11 steam and 4 sailing vessels—resulted in total losses, the tonnage of same being 4,104.18, and of this number 12 were Canadian and 3 foreign vessels.

Casualties are given under the following headings:—

Coasting and Sea-going vessels.

Collisions	29
Foundering	18
Missing vessels	5
Miscellaneous accidents (fire, loss of sails, riggings, etc., etc.)	34
Strandings	78
Vessels sunk by submarines	12

Inland vessels.

Collisions	13
Foundering	10
Miscellaneous accidents	7
Strandings	33

STATEMENT of investigations into wrecks and casualties which occurred to Canadian, British and foreign vessels, held in Canada during the fiscal year 1917-1918.

Name of ship, Official No., and Registered Port.	Remarks.
A. E. Ames, 114449, Newcastle, and	On June 29 collided in lake Ontario. Formal investigation was held at Montreal on July 25, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors.
Keybell, 131111, Montreal.	<i>Finding.</i> —SS. <i>Keybell</i> to blame for collision. Master, George Bunting, found in default for violation of the Rules of the Road, and his certificate is suspended for a year. Masters of both vessels are severely reprimanded for not inquiring after collision.

9 GEORGE V, A. 1919

STATEMENT of investigations into wrecks and casualties, etc.—*Continued.*

Name of ship, Official No., and Registered Port.	Remarks.
Aranmore, 58,579, Glasgow, and Cyrene, 85849, Lunenburg, N.S.	In collision, on August 27, in Pictou narrows, entrance to Pictou harbour, resulting in the sinking of the schooner <i>Cyrene</i> . Formal investigation was held at Charlottetown, P.E.I., on August 31, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Alex. McLeod and J. Lunsdame, acting as nautical assessors. <i>Finding.</i> —Master of <i>Aranmore</i> , D. M. McDonald, found in default for careless navigation, and his certificate is suspended for a year.
Albert Y. Gowan (American).	On August 28 foundered in Louise basin. Formal investigation was held at Quebec on October 26 and 27, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> —Master, Eugene Fortin, found in default for gross negligence in the supervision of his ship, and his certificate is suspended for six months.
Transport "Ardgair".	On August 26 stranded on Amherst island, one of the group of Magdalen islands. Formal investigation was held at Halifax on September 12, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Commander E. Wyatt, R.N.R., and Capt. C. Adams, acting as nautical assessors. <i>Finding.</i> —Master, Wm. Mackintosh, censured for not having taken soundings when a certain distance had been run.
Angouleme, 138211, Montreal.	On January 6, 1918, stranded near Main-à-Dieu passage, Cape Breton. Formal investigation was held at Sydney on February 25, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains A. J. Morrison and J. D. Mackenzie, acting as nautical assessors. <i>Finding.</i> —Master, E. K. Perry, to blame for neglectfulness and carelessness in navigating his ship. His certificate is suspended for nine months.
Cape Corso, 117396, Greenock.	On May 15 stranded in vicinity of cape Chat, gulf St. Lawrence. Formal investigation was held at Montreal on May 18, 19 and 29, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> —Master, A. J. M. Henderson, found at fault for careless navigation, and his certificate is suspended for two months. Chief officer, Fred Stark, severely reprimanded for advising second officer to abbreviate his entries in scrap log. Second officer, John Shaw, severely reprimanded and censured for tampering with his scrap log.
Clematis, 109887, North Shields.	On June 16 stranded near Red cape, Framboise, Cape Breton. Formal investigation was held at Halifax July 12, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Commander E. Wyatt, R.N.R., and Capt. T. A. Hill, acting as nautical assessors.
Coniston and West Har- tlepool 112429, string of 16 barges in tow of tug "Virginia", 71- 615, Montreal.	On June 18, collided on lake St. Peter, resulting in the sinking of barge <i>Alonso P. Burt</i> . Formal investigation was held at Montreal on August 3, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. Case was adjourned <i>sine die</i> at the request of the counsels.
Celia, 118407, London, and	On August 3 collided near buoy 123L, Pointe au Soldat, river St. Lawrence. Formal investigation was held at Montreal on August 7, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors.
Katie H. 125998, Quebec.	<i>Finding.</i> — <i>Celia</i> alone to blame. Pilot D. P. Perrault, in full charge and control of ship at time of accident, has his license suspended for one month and is ordered to pay cost of investigation.
Dreadful, 131148, Vancouver, Lobnitz No. 1, 130895, Victoria.	On May 19 collided in Victoria harbour. Preliminary inquiry was held at Victoria on May 23 and 25, before Capt. John D. MacPherson, Wreck Commissioner for British Columbia, assisted by Captains W. Wingate and W. H. Porter, acting as nautical assessors. <i>Finding.</i> —Robert McDowell, engineer on watch on <i>Dreadful</i> , responsible for accident, by putting his engines ahead instead of astern as ordered. He is reprimanded and warned to be more careful in future. Court is lenient owing to the manly and straightforward manner in which he admitted his mistake.

SESSIONAL PAPER No. 21

STATEMENT of investigations into wrecks and casualties, etc.—*Continued.*

Name of ship, Official No., and Registered Port.	Remarks.
Drill Plant No. 2, Ottawa, and tug Respond, 133768, Victoria.	On May 19 collided in Victoria harbour. Preliminary inquiry was held at Victoria on June 27 and 29, before Capt. John D. MacPherson. Formal investigation ensued being held also at Victoria on October 19, before Capt. Charles Eddie, assisted by Captains J. T. Shenton and T. James, acting as nautical assessors. <i>Finding.</i> —Collision due to action of master of <i>Respond</i> , F. H. Cole, in attempting a risky manoeuvre having a heavily laden scow alongside.
Drill Plant No. 2, and tug Germania, 131310,	On May 19 collided in Victoria harbour. Preliminary inquiry was held at Vancouver on July 3, before Capt. John D. MacPherson. The decision arrived at was that accident was due to error of judgment on part of master of <i>Germania</i> . Formal investigation not found necessary.
Frankmere, 131359, Liverpool.	On August 5 stranded on Bryon island, one of the Magdalen group, gulf St. Lawrence. Formal investigation was held at Halifax on September 11, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Comdr. E. Wyatt, R.N.R. and Capt. C. Adams, acting as nautical assessors. <i>Finding.</i> —Master, David Thomas Evans, is severely reprimanded and censured for injudicious navigation; but his certificate is not dealt with on account of his previous good record.
Gray, 124395, Workington.	On October 20 stranded off Calvert island, Queen Charlotte sound. Preliminary inquiry was held at Victoria on December 21, before Capt. John D. MacPherson. The decision arrived at was that no one was to blame, vessel striking an uncharted reef.
Heathcote, 12904, and Kilbergen (Transport), Sydney, N.S.	On July 25 collided seven miles West of cape Ray, Newfoundland. Formal investigation was held at Quebec on August 2 and 3, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> — <i>Kilbergen</i> mostly to blame for collision and certificate of master, John S. Ledsoe, is suspended for three months.
Harkness (Transport).	On July 23 stranded on Red island, St. Lawrence river. Formal investigation was held at Montreal on August 29, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> — <i>Pilot</i> , Adjutor Lachance, to blame for casualty and his license is cancelled.
Imperoyal, 135209, Sarnia, and Maisonneuve, 100658, Ottawa.	On June 5 collided near Contrecoeur, river St. Lawrence. Formal investigation was held at Montreal on June 18 and 19, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> — <i>Imperoyal</i> to blame for collision, navigating with improper lights. Pilot held in default for not seeing that only proper sailing lights be exhibited. He is reprimanded. Master of <i>Maisonneuve</i> , Jean Paquet, found culpable of negligence and not competent to command a vessel. His certificate is cancelled. Court recommend that <i>Maisonneuve</i> pays fine of \$100 for having violated sec. 671, part VII, chap. 113, R.S.C.
Lord Antrim, 113518, Belfast.	On May 3, stranded near Fourchu, N.S. Formal investigation was held at Sydney on May 10, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains A. J. Morrison and J. D. MacKenzie, acting as nautical assessors. <i>Finding.</i> —No one to blame; ship struck a submerged object.
Letitia, 133033, Glasgow.	On August 1 stranded and lost near Portugese cove, Halifax harbour. Formal investigation was held at Halifax on August 13 and 14, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Commander E. Wyatt, R.N.R. and Commander Charles White, and J. D. MacKenzie, R.N., acting as nautical assessors. <i>Finding.</i> —Stranding due to action of pilot, in accepting without verification bearings given by pilot in charge of cutter.
Maskinonge, 131422, Liverpool.	On April 28 stranded in St. John, N.B., harbour. Formal investigation was held at St. John on May 9, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Lieut.-Commander A. J. Muleahy, R.N.V.R., and Capt. James Hayes, acting as nautical assessors. <i>Finding.</i> —No one to blame; vessel dragged her anchors.

9 GEORGE V, A. 1919

STATEMENT of investigations into wrecks and casualties, etc.—*Continued.*

Name of ship. Official No., and Registered Port.	Remarks.
Middlesex (barge) 135569, Liverpool,	On August 13 stranded in river St. Lawrence, whilst in tow of tugs <i>Myra</i> and <i>Long Sault</i> . Formal investigation was held at Montreal on August 27 and 28, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors.
Durn (barge), and Schr. Arthur,	<i>Finding.</i> —Tug <i>Myra</i> chiefly to blame for accident, and master's certificate of Edmond Robinault is suspended for three months. <i>Long Sault</i> partly responsible, but to very little degree. Certificate Captain, Charles Pilon, is suspended for one month. Owners of each tug ordered by court to defray cost of investigation.
Mont Blanc (France) and	On December 6 collided in Halifax harbour. Explosion which followed caused great devastation in the harbour and city and about fifteen hundred lives were lost, including one of the crew of <i>Mont Blanc</i>
Imo, (Norway).	and six of <i>Imo</i> . Formal investigation was held at Halifax on December 13 to 21 and January 21 to 31, inclusive, before Hon. Arthur Drysdale, Justice of the Supreme Court of Nova Scotia, assisted by Captains L. A. Demers, Dominion Wreck Commissioner and Charles Hose, R.C.N., acting as nautical assessors.
	<i>Finding.</i> — <i>Mont Blanc</i> to blame, having violated Rules of the Road, and pilot McKay's license is cancelled. Court recommend to French authorities to cancel Captain Lemedec's certificate. Pilot Renner, in charge of an American tramp steamer, at time of accident, is censured.
Pilot, 107109, Victoria.	Not heard of since leaving Salina Cruz, Mexico, for Ocos, Guatemala, on February 1, 1918. Preliminary inquiry was held at Victoria on May 16 and 29, before Capt. John D. MacPherson. Cause of loss could not be ascertained.
Prince Rupert, 129743, Newcastle.	On March 22 stranded near Gem island. Formal investigation was held at Victoria on April 30, before Capt. John D. MacPherson, Dominion Wreck Commissioner, assisted by Captains Charles Clarke and S. W. Buckram, acting as nautical assessors.
	<i>Finding.</i> —No one to blame, stranding due to snow storm.
Premier, 98964, London.	On June 2 stranded and lost near Pollock shoal, Nova Scotia. Formal investigation was held at Halifax on June 11, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains R. C. Oliver and J. A. McDonald, acting as nautical assessors.
	<i>Finding.</i> —Master, G. Henebery, severely reprimanded for lack of judgment in failing to adopt seamanlike methods in attempting to free his ship; but on account of his previous good record his certificate is not dealt with. First officer, Geo. McLean, warned to exercise better care in future in keeping his log. Second engineer, Byron Irwin, warned to be careful to note movements of engines with accuracy, whilst he is on watch.
Point Hope (Tug), Ottawa.	On June 28 struck bridge in Victoria harbour. Preliminary inquiry was held at Victoria on July 12, before Capt. John D. MacPherson. Decision arrived at: No one to blame, accident unavoidable under circumstances.
Princess Maquina, 133, 769, Victoria.	On June 16 stranded near Kyuquot. Preliminary inquiry was held at Victoria on July 31 and August 2 and 3, before Capt. John D. MacPherson. Decision arrived at: No one to blame, vessel struck an uncharted rock.
Princess Mary, 126950, Victoria, and Henriette, 112254, Vancouver.	On September 25 collided in Vancouver harbour. Formal investigation was held at Victoria on October 18 and 23, before Capt. John D. MacPherson, assisted by Captains S. W. Buckram and D. S. Jones-Evans, acting as nautical assessors.
	<i>Finding.</i> —Both masters to blame for collision, for want of discretion, lack of patience, poor judgment and taking unnecessary risks. They are reprimanded and warned to be more careful in future. (Chs. Campbell, master of <i>Princess Mary</i> ; Otto Buckley, master of <i>Henriette</i> .)

SESSIONAL PAPER No. 21

STATEMENT of investigations into wrecks and casualties, etc.—*Continued.*

Name of ship, Official No., and Registered Port.	
Royal Transport, 135895, West Hartlepool, and Korona, 133736, Malta.	On June 11 collided in Quebec harbour. Formal investigation was held at Quebec on June 15, 16 and 21, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Commander E. G. O. Elliott, R.N.R., and Captain Charles Koenig, acting as nautical assessors. <i>Finding.</i> — <i>Royal Transport</i> solely to blame. Master, Wm. Cook, has his certificate suspended for one month. Pilot's license of Arthur Lachance is suspended for two years and he is fined \$100 for contempt of court in not delivering certificate. One of the assessors, Commander Elliott, dissenting.
Singapore, 123729, London.	On July 1 stranded near Little Metis, river St. Lawrence. Formal investigation was held at Montreal on July 6 before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors.
British S.S.	<i>Finding.</i> —Master, Fred Wm. Hartwell, showed poor judgment in navigating his vessel and he is reprimanded very severely.
Stewart W. and barges "Twin-Sisters," "Minominee" and "Kildonian", whilst in tow of tug "Sin Mac".	On July 20 collided near Brockville, St. Lawrence river. Formal investigation was held at Montreal on September 5, 6 and 25, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> — <i>Both Stewart W. and Sin Mac</i> found at fault; <i>Stewart W.</i> violated art. 29, 37 of the Rules of the Board, and the master, Ernest Tremblay, is severely reprimanded; <i>Sin Mac</i> violated art. 25, 29, 28 and 37, and pilot Leduc is also severely reprimanded.
Scandinavian, 109441, Glasgow.	On November 17 stranded at Grondines, St. Lawrence river. Formal investigation was held at Montreal on November 23 and 25, and December 1, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> —Master, pilot and officers exonerated. Nature of obstacle which caused damage to vessel was not revealed or ascertained.
Stella Maris, 103767, Chatham, N.B.	On November 30 foundered at Pointe du Chêne, N.B., when being towed by the <i>Northumberland</i> . Formal investigation was held at Summerside on March 2, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains James H. Walsh and R. Campbell, acting as nautical assessors. <i>Finding.</i> —Captain and officers of <i>Northumberland</i> blameless for sinking of <i>Stella Maris</i> . Accident was due to lack of knowledge and indifference on part of crew of <i>Stella Maris</i> .
Tunesie (Belgian ship), and Cabotia, 133825, Montreal.	Relief On October 23 collided in Montreal harbour. Formal investigation was held at Montreal on October 30 and November 2, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains Charles Lapierre and Francis Nash, acting as nautical assessors. <i>Finding.</i> — <i>Cabotia</i> to blame and master's certificate of Robert Laing is suspended for six months.
Turbinia, 112201, Hamilton.	Stranded in Niagara river on June 30; on Centre island, July 1, and in Toronto harbour on July 5. Formal investigation was held at Toronto on July 19, before Capt. L. A. Demers, Dominion Wreck Commissioner, assisted by Captains James B. Foote, and James McMaugh. <i>Finding.</i> —Grounding in Niagara river due to error of judgment on part of master, Arthur Jeffrey, in miscalculating force of current and wind. Stranding on Centre island due to master eliminating elementary factors in navigation. His certificate is suspended for one month. Master not in default for grounding in Toronto harbour.

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917.

COASTING AND SEA-GOING WRECKS.

Date of Casualty.	Name of Ship. Official Number.	Age of Ship.	Registered Port.	How Riggerd. Iron or Wood, Steam or Sailing.	Register Ton- nage.	Port Sailed From. Port Found To.	Place Where Casualty Happened.	Particulars of Casualty. Name of Master.	Lives Lost.	Loss, Total or Partial.
May 11.	Arannore. 98579	27	Ottawa.	Schr. Iron	502	Pictou, Charlottetown	Charlottetown	Collided with pier. D. McDonald.	Part.	
June 14.	Ambition. 112101	15	Lauenburg, N.S.	Schr. Wood	99	St. Johns, Nfld., Exploits, Nfld.	Notre Dame Nfld.	Stranded Chas. Rose.	Part. \$195.	
" 14.	Atlantic. 122143	11	Lauenburg, N.S.	Schr. Sailing	67	Halifax, Fouedou, C. B.	Bad Neighbor shoal, C. B.	Stranded E. J. Gilbert.	Total. \$10,000.	
July 13.	Acadian. 121258	9	Montreal	Schr. Steam	1457	Bilbao, Cardiff	5.72 w. 44 miles off Hornston Light- house, G. G. Green.	Collided with <i>En- perfe</i> , G. G. Green.	Total.	
Aug. 26.	Ardgair. 136324	4	Greenock	Schr. Steel	3282 41	Montreal, Sydney, N.S.	Amherst islds, Mag- dalen islands.	Stranded. W. Mackintosh.	Slight damage.	
Sept. 27.	Alford. 130617	19	Victoria.	Tug. Wood	57	Blubber Bay, Ladysmith	1/2 miles N.E. Point of Nelson island, Jarvis inlet.	Burnt. S. J. Holmes.	Total. \$15,000.	
Nov. 2.	Alcebo. 122650	12	Ottawa.	2 pole- masts, Wood	47	Nanaimo, Victoria.	Panther point, Wal- lace island, B.C.	Stranded Art. F. Yates.	Part.	
" 28.	Acadian. 124258	9	Montreal.	Steam	1457	St. Pierre, Halifax.	Sydney, N.S.	Sprung a leak.	Part. \$1,000.	
Dec. 31.	Associate. 131163	5	Lauenburg, N.S.	Schr. Wood	96	Burgoe, Nfld.	North Atlantic.	Life boat smashed and lights carried away.	Part.	
Jan. 8.	Bessie A. Crooks.	3	Bridgetown, P. Idoes	Schr. Wood	196	Pernambuco, Barbadoes.	South America.	Missing. Capt. Walley.	Total.	

SESSIONAL PAPER No. 21

April 22	Benin 124067	10	Liverpool	Sehr	2844 85	Liverpool Montreal	Between cape Race and Anticosti	Damaged by ice W. Jones	Part
Aug. 10	British 75724	30	Barrington, N.S.	Sehr	75 28	No. Ingonish, N.S. Gloucester, Mass.	Doctor's cove, N.S.	Stranded F. Nickerson	Part
" 21	British Columbia 113063	11	Vancouver	Sail	221	Seattle Vancouver	Vancouver harbour	Foundered J. Murbok	Part
Jan. 22	Carrie N. Nelly	1	Shelburne, N.S.	Sehr	85	Cape Broyle Gibraltar	Lat. 41.27 N. Long 26.16 W., No. At- lantic	Damaged in gale J. Evans	Part. Ship, \$500. Cargo, \$1,250.
Feb. 3	Cumberland Co. mty.	8	Parrisho, N.S.	Sehr	118 94	Gulfpport, Miss. Martinique	Off Florida, Gulf of Mexico	Stranded B. Tower	Total \$40,000
Mar. 5	Catherine 112223	14	St. John, N.B.	Sehr	126	Posson Madeira	Lat. 33.49' Long 57.52' No. At- lantic	Foregaff and spanker gaff broken C. A. Sparks, M. Blenkhorn	Part. \$100.
April 10	Coru May 94758	28	St. John, N.B.	Sehr	117	St. John, N.B. Parrisho, N.S.	Bay of Fundy, N.S.	Foundered M. Blenkhorn	Total \$1,500.
April 30	Canada 111631	16	Louenbourg, N.S.	Sehr	199 42	Sanche Baracon, Cuba	Sanjon, Dominican Republic	Stranded Carl Bassa	Total
May 1	C. S. Jacques 129497	8	Montreal	Sehr	1590	Rouen Tyne	At sea	Torpedoed E. P. Powell	Total 3
" 2	Chal S 134054	3	Louenbourg, N.S.	Sehr	81 96	Louenbourg Fishing	Shed bare rock, N.S.	Stranded Kenneth Silver	Part. \$100.
" 15	Cape Corsic 117396	12	Greenock	Sehr	2540 21	Newport, Eng Montreal	2 miles E. of cape Chat, river St. Lawrence	Stranded A. J. M. Hender- son	Part. \$31,000.
June 5	Catherine 112233	11	St. John, N.B.	Sehr	196 20	Posson Turks island	Turks island, North Atlantic	Stranded C. A. Sparks	Total
" 16	Cleannatis 106887	19	North Shields	Sail	2160	St. Nazaire, France Louisburg	Franboise cove, N.S.	Stranded J. O. Williams	Part. \$100,000.
" 29	Cruizer 104606	22	Halifax	Sehr	21	Louisburg Halifax	8 miles east off Egg island, N.S.	Collided with <i>Era</i> <i>Junc</i> D. C. Harris	Slight damage.
Aug. 27	Cyrene 85649	34	Louenbourg	Sehr	94	Charlottetown Picton	Entrance to Picton harbour, N.S.	Collided with <i>Aran- more</i> F. V. Murphy	Total \$3,000.
" 29	Cassiar 103472	27	Vancouver	Sloop	383	Vancouver Kingcome	Pemphraze pass, B.C.	Stranded R. Wilson	Part. \$6,000.
Oct. 15	Chamosun 121291	12	Vancouver	Sehr	793 72	Vancouver	North Bentinck arm, B.C.	Stranded J. H. Browne	Part. \$11,000.

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—Continued.

COASTING AND SEA-GOING WRECKS—Continued.

Date of Casualty.	Name of Ship. Official Number.	Age of Ship.	Registered Port.	How Rigged, Iron or Wood, Steam or Sail.	Register Ton- nage.	Port Sailed From. — Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty. Name of Master.	Lives Lost.	Loss, Total or Partial.
Nov. 11.	C. E. Tannet..... 103806	9	Pictou.....	Wood Steam	558	Halifax..... Liverpool, N.S.	North Atlantic.....	Stranded..... Jas. McLeod.	.....	Total.
Dec. 6.	Curaca..... 135178	5	London.....	F. & A..... Steel	4067	St. John, N.B. Halifax.	Halifax harbour...	Submerged by ex- plosion of <i>Mont Blanc</i> .	45	Part.
" 6.	Calonne..... 110121	19	London.....	Steam Schr.	2581	Southampton..... Sealed orders.	Halifax harbour...	Damaged by explo- sion of <i>Mont Blanc</i> .	12	"
" 8.	Cadornis..... 125886	25	Washington.....	Steam Iron	1802	Montreal..... New York.	Esquimaux point, Gulf St. Lawrence.	Stranded..... J. H. Talfer.	.....	"
Jan. 23.	Dorothy Duff..... 117164	11	Sydney, N.S.....	Schr. Wood	152	.....	Lat. 39.29' N., Long. 34.00' W., North Atlantic.	Damaged in gale..... Geo. B. Dean.	.....	Part. Ship, \$500.
" 24.	Dunire..... 78853	35	Sydney, N.S.....	Bkt. Wood	176	Santa Pola..... St. Johns, Nfld.	Lat. 31 N., Long. 15 W., North At- lantic.	Loss of sails and part of cargo. R. Owen.	.....	Part. Cargo, \$2,250.
" 31.	Dnadee..... 112208	11	Hamilton, Ont.....	F. & A..... Steel	1431	London..... Swansea.	.....	Torpedoes..... R. N. Anderson.	1	Total.
April 12.	Doris V. Myra..... 130463	6	Lumenburg, N.S.....	Steam Schr.	99 05	Lumenburg..... Fishing.	75 miles southeast of Halifax, North Atlantic.	Collided with <i>Car- pathia</i>.	.....	Total. Ship, \$10,000. Cargo, \$2,800.
" 22.	Dunlay Chine..... 132887	4	Ottawa.....	Wood Schr.	1158	Halifax..... Norfolk, Va.	72 miles S., 44 E. Mag., North Atlantic.	Collided with <i>Har- lem</i>.	.....	Total. \$400,600.
May 15.	Dreadful..... 131148	5	Vancouver.....	Steel Ketch.	92	Victoria..... Esquimaux.	Esquimaux harbour.....	Collided with <i>Lob- nitz</i>.	.....	Part.
" 16.	Dorothy Duff..... 117164	11	Sydney, N.S.....	Steam Schr. Wood Sail	152	.....	.....	Capt. Barberi. Sunk..... Geo. B. Dean.	.....	Total.

SESSIONAL PAPER No. 21

June 6.	Daving, 123375	10	Vancouver	Wood	51-82	Vancouver	False creek	Stranded Isaac Forsyth.	Part. \$1,000.
" 15.	Deliverance	3	Liverpool, N.S.	Steam Schr.	78	Halifax	Halifax harbour	Collided with <i>Regin</i> and sank.	Total. \$125,000.
" 23.	Davis McNab 130589	5	Halifax	Wood Steam	34	Halifax	" "	H. H. Brammer. Damaged by fire.	Part.
Dec. 6.	Douglas H. Thomas 101291	25	Sydney, N.S.	Gasolene F. & A.	98	Sydney, Halifax	" "	Damaged by explo- sion of <i>Mont Blanc</i> .	3 Part. \$1,200.
" 10.	Douglas Adams 116540	12	Lanenburg, N.S.	Steam Schr.	99-23	Halifax	Point Michaud, N.S.	Stranded	Total. Ship, \$15,000, Cargo, \$800.
" 11.	D. A. Gordon 129479	7	Montreal	Sail F. & A.	1434	Marselles Melilla	" "	Forwrecked	Total.
Jan. 31.	Empress of Japan 989111	26	London	Steam Schr.	3039	Hong Kong Vancouver	Trail inlet, N.W. one mile.	Collided with <i>Bel- ridge</i> .	Part.
June 7.	Eva Marie 88370	4	Victoria	Sloop	60-05	Vancouver Quatsino	Helmecker island	Stranded	Total.
" 18.	Edgar W. Murdock	14	Rockport, Me.	Wood Schr.	121-05	Barbadoes St. John, N.B.	Old Proprietor shoal, N.B.	Stranded	Total. Ship, \$100,000, Cargo, \$200,000.
June 27.	Earl Grey 122009	9	Lanenburg, N.S.	Schr. Sail	96	Halifax Cushing, Nfld.	Point Pleasant Shoal, N.S.	Stranded	Part. \$1,200.
Aug. 12.	Erin 121761	28	Vancouver	Tug Wood	91-80	Vancouver Anacortes	False narrows, Vancouver Ise.	Stranded	Part.
Feb. 8.	F. M. Toro 130728	5	Lanenburg, N.S.	Steam Schr.	99-66	Barin, Nfld Lanenburg	Lat. 30 58' N. Long. 36 00' W. N.C. Atlantic.	Abandoned	Total; Ship, \$12,- 000; cargo, \$350.
" 25.	F. H. Phippen 130292	7	Vancouver	Tow Wood	10	Prince Rupert Peary Passage	Peary passage	Stranded	Slight damage.
Aug. 9.	F. A. J. E. 133898	6	Parrsboro, N.S.	Gasolene Schr.	356	New York Norfolk	Newport News, Va.	Collided with <i>Helen</i> .	Part.
" 14	Florida 134099	3	Vancouver	Wood Sail	11-04	Prince Rupert	6 miles W.S.W. of Triple island.	Forwrecked	Total.
Oct. 21.	Frank Seavy 70742	28	Boston	Gasolene Schr.	336	Gaspe, New York	10 miles E. of Sambro Lt., No. Atlantic.	Masts and gear car- ried away.	Part. \$9,000.
Dec. 6.	F. W. Roebling 113782		Halifax	Schr. Wood Steam	78	Halifax harbour	Halifax harbour	Damaged by explo- sion of <i>Mont Blanc</i> .	Part. \$8,000.

Chas. Wood.

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917.—*Continued.*

COASTING AND SEA GOING WRECKS.—*Continued.*

Date of Casualty	Name of Ship— Official Number	Age of Ship	Registered Port	How Rigged, Iron or Wood, Steam or Sail	Register Ton- nage	Port Sailed From, Port Found To	Place Where Casualty Happened	Particulars of Casualty, Name of Master	Lives Lost	Loss, Total or Partial
Feb. 13	Gladys & Lillian	6	Halifax	Schr. Wood	103 84	Liverpool, N.S. St. Thomas, W.I.	37 25' N. Lat., 59 32' W. Long., No. Atlantic	Abandoned, A. Croft.	.....	Total
June 9	Glen Rosa 111982	15	Vancouver	Tug Wood Steam	12	.....	Prince Rupert Har- bour	Stranded, E. McCoskie.	.....	Total
Aug. 8	Geo. M. Warner 8437	.....	Weymouth, N.S.	Schr. Wood	94	Weymouth, Yamouth, N.S.	North Atlantic	Missing, A. J. Haycock.	5	Total \$5,000.
" 16	Glyndon 103752	20	Lanenburg	Schr. Wood	99 45	Sydney, N.S. Summerside	Tryon's shoal, P.E.I.	Stranded, L. Razavet.	.....	Part.
Sept. 10	Geo. Ewart 131836	1	Sydney, N.S.	Schr. Wood	148	Renouette, Nfld. Gibraltar	North Atlantic	Collided with un- known vessel.	.....	Total
Oct. 20	Gray	8	Workington, Eng.	Schr. Sail Steel Steam	280 20	Victoria, Smith's Inlet	Calvert island	Stranded, G. J. Dawes.	.....	Part.
Dec.	Geo. H. Orr	.....	American	.....	.....	Montreal, New York	Savage harbour, P.E.I.	Stranded	.....	Part.
April 29	Hazel L. Ritcey 126102	9	Lanenburg, N.S.	Schr. Wood	92 44	Rose Blanche, Nfld., Gloucester, U.S.A.	Mordgen rock, N.S.	Stranded, E. Young.	.....	Part. Ship, \$2,- 000; cargo, \$2,000.
May 2	Henry L. Marshall 211210	1	Gloucester, U.S.A.	Schr. Wood Gas	42	Gloucester, N.S. Liverpool, N.S.	Liverpool, N.S.	Stranded, M. Sears.	.....	Part. Ship, \$3,- 500; cargo, \$400.
Sept. 25	Henrietta 112251	13	Vancouver	Schr. Iron	518	Vancouver	Vancouver harbour	Collided with <i>Prin- cess Metch- O. Buckely.</i>	.....	Part.
Dec. 11	Halifax 95099	37	Halifax	Schr. Steel Steam	1078	New York Bordeaux	Sailed from Azores	Missing, W. A. Clarke.	.....	Total \$300,000.

SESSIONAL PAPER No. 21

May 3.	Iceolite, 134514	1	Sarnia, Ont.	Steel. Steam	1548-88	New York, Montreal.	50 miles S. E. of Cap Rosaris, Gulf of St. Lawrence, East coast of Eng- land.	Damaged by ice, (Geo. Findley.	Part.
Oct. 27.	Iberia 110544	18	Montreal	Schr. Steel Steam	2061	Blyth Sailed orders.	Collided with <i>Giraffe</i> .	Part.	
Dec. 17.	Ida M. Clark, 111087	15	Halifax	Schr. Wood	99	Boston, Liverpool, N.S.	Stranded.	Part. \$1,500.	
Jan. 25.	Jennie E. Duff 130467	6	Lunenburg, N.S.	Schr. Wood	1199-31	Grand Banks, Nfld. St. Johns, Nfld.	Missing. Jos. Mason.	Total : Ship, \$9,000; cargo, \$500.	
Feb. 10.	Joseph P. Mes- quita	6	Gloucester, U.S.A.	Schr. Wood	78	Boston, Fishing.	Loss of sails and gear. P. F. Richard.	Part.	
Oct. 11.	Jennie Myrtle 103414	12	Lunenburg, N.S.	Schr. Wood.	99-03	Halifax.	Stranded.	Total. Ship : \$3,000, Cargo : \$7,500.	
Dec. 6.	J. A. McKeen, 125442	10	Sault Ste. Marie	F. & A. Steel. Steam.	1375	Sydney, N.S. Halifax.	Damaged by explosion of <i>Mont Blanc</i> , J. P. Chapman.	Part. \$300.	
"	Jane Cox, 138291	2	Shelburne, N.S.	Schr. Wood.	94	Port Clyde, N.S. Barbadoes.	Loss of part of cargo, R. McAlpine.	Part.	
"	Joseph P. Mas- quita	6	Gloucester, U.S.A.	Schr. Wood.	78	Gloucester, Fishing.	Stranded.	Total. Ship : \$15,000, Cargo : \$2,500.	
"	J. B. Young, 126584	8	Lunenburg, N.S.	Schr. Wood.	99-72	Lunenburg, N.S. Barbadoes.	Damaged in gale. A. Himmelman.	Part. \$215.	
Feb. 26.	King Josiah 125965	9	Parrsboro, N.S.	Schr. Wood.	117	Liverpool, N.S. Barbadoes.	Loss of sails and part of cargo, H. Hartling.	Part.	
Mar. 11.	Kwasind 104263	23	Quebec	F. & A. Steel.	1375	Bilbao West Hartlepool.	Struck F. Shayer.	Total.	
June 11.	Korana, 137796	16	Malta	Schr. Steel.	2387	Malta Montreal.	Collided with <i>Royal Transport</i> , R. Rossekelly.	Part.	
July 25.	Kilbergen 140259	3	London	Schr. Steel.	2964	London, Montreal.	Collided with <i>Heath- cote</i> , J. S. Ledsome.	Part. \$2,500.	
Aug. 3.	Katie H. 125998	9	Montreal	Large Wood.	370	Montreal, Quebec.	Collided with <i>Delia</i> .	Total. Ship : \$9,000, Cargo : \$500.	
Nov. 13.	Katie H. 125998	9	"	Large Wood.	370	Escuminas, Levis.	Foundered.	Part.	
Jan. 19.	Lillian H.	1	Parrsboro, N.S.	Schr. Wood.	476	Whitehaven Barbadoes.	Toppled.	Part.	
April 14.	Leta J. Schwartz, 130909	5	Lunenburg, N.S.	Schr. Wood. Sail.	95	Santa Pola Lunenburg.	Damaged in gale. H. Schwartz.	Part.	

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—Continued.

COASTING AND SEA GOING WRECKS—Continued.

Date of Casualty.	Name of Ship. Official Number.	Age of Ship.	Registered Port.	How Rigged. Iron or Wood. Steam or Sail.	Register Tonnage.	Port Sailed From. Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty. Name of Master.	Lives Lost.	Loss, Total or Partial.
May 3.	Lord Antrim 113518.	15	Roffast.	Schr. Steel.	2773	Dublin Glasgow.	3 miles S.W. of Four- chu, C.B.	Stranded.	Part.	Part.
July 26.	La Have Paquet. 88646.	33	Lunenburg, N.S.	Schr. Wood.	67	Sydney, N.S. P. E. I. Charlottetown.	Fifteen Points, P. E. I.	Stranded. T. G. Buffit.	Part.	Part. \$630.
" 27.	Lucerna 99437.	25	Liverpool	3 masts. Schr. Steel.	2971	North Shields. Montreal.	Cape St. Charles. River St. Law- rence.	Stranded. J. Stottion.	Part.	Part.
Aug. 1.	Leticia. 133933.	5	Glasgow	Schr. Steel.	5763	Liverpool Halifax.	Portugese Cove. Halifax harbour.	Stranded. W. McNeil.	1	Total. \$2,000,000.
" 10.	Leah D. 100077.	26	St. John, N.B.	Schr. Wood.	48	Economy, N.B. St. John, N.B.	Half way between Cape Bar and Harborville, N.S.	Stranded. E. Sabean.	Part.	Ship: \$600. Cargo: 300.
" 23.	Leona 115830.	15	London	Schr. Steel.	892	Tyne Louisburg.	Lat. 43.57' N., Long. 59.31' W., North Atlantic.	Stranded. H. J. Charters.	Part.	Part.
Dec. 6	Lola R. 131678.	5	Lunenburg, N.S.	Schr. Wood. Sail.	13-31	Herring Cove, N.S. Halifax.	Halifax harbour.	Blow to pieces by explosion of <i>Mont Blanc</i> . John Lally.	Total.	Total. \$500.
Feb. 3.	Manchester Cit- zen 121239.	4	Manchester	Schr. Steel.	2725	Manchester Halifax.	Lat. 45.57' N., Long. 48.47' W., North Atlantic.	Collided with un- known vessel. C. H. Scott.	Part.	Part.
" 6	Mayola 126588.	7	Lunenburg, N.S.	Schr. Wood. Sail.	119-39	St. John's, Nfld. Gibbaltar.		Stranded. John Hamilton.	Total.	Ship: \$19,000. Cargo: \$5,000. Total.
Mar. 3	Maggie Belle 116616.	13	"	Brig. Wood. Sail.	99-25	Santa Pola St. John's, Nfld.	Lat. 38-29' N., Long. 32.00' W., North Atlantic.	Foundered. J. J. Connor.		Total.

SESSIONAL PAPER No. 21

6	Marion Helena 134407.	2	"	"	Schr. Wood.	91-15	Santa Fola Mahone Bay, N.S.	Gibraltar bay	Foundered C. Burgoyne.	Total. Ship: \$12,000. Cargo: \$300.
15	Mary & Mildred 130941.	5	"	"	Schr. Wood.	99-52	Cadiz St. John's, Nfld.	Lat. 38.20' N., Long. 45.10' W., North Atlantic.	Main boom and gaff carried away. H. Williams.	Part.
April 9	Mildred G. Myers 121496.	10	Lunenburg, N.S.	"	Schr. Wood.	55	White Head, N.S. Halifax.	Halifax harbour	Stranded. F. Myers.	Part. \$1,000.
April 18	Maskinongé 131422.	5	Liverpool	"	Schr. Steel.	2672	Lunenburg, N.S. St. John, N.B.	St. John harbour	Stranded B. R. Griffiths.	Part. \$2,000.
April 23	Mary & Mildred 130841.	5	Lunenburg, N.S.	"	Steam.	99-52	Piacentia, Nfld St. John's "	St. Johns harbour, Nfld	Foundered H. Williams.	Total.
May 6	Maack A. Tobin 134833.	3	"	"	Schr. Wood.	99-17	Lunenburg Halifax.	Off Sambro Island	Stranded. K. Iverson.	Total. Ship: \$12,000. Cargo: \$5,000.
June 4	Mannion 102622.	24	Glasgow	"	F. & A. Iron.	24	Tod Inlet, Rivers Inlet.	Schooner Passage, B.C.	Stranded. J. Hunter.	Part.
June 5	Maisonneuve 138224.	1	Montreal	"	Steam.	45-73	Montreal Trois-Rivières.	2 miles opposite Con- trecour, Riv. St. Lawrence.	Collided with "Im- peroyal", J. Paquette.	Part. \$1,000.
July 7	M. M. Gardener 130732.	5	Lunenburg, N.S.	"	Schr. Wood.	100	St. Johns, Nfld. Lunenburg.	Lunenburg harbour	Stranded. M. Tobin.	Part. Ship: \$500. Cargo: 200.
Aug. 26	Minas Queen 133897.	1	Parisboro, N.S.	"	Schr. Wood.	492	Rockport New York.	"	Stranded. Capt. Homer.	Total. 6
Sept. 4	Melampé 74550.	4	Vancouver	"	Iron.	1561	Vancouver No. Vancouver.	North Vancouver	Collided with "Qua- trum", P. Farrell.	Part.
Sept. 24	Marion A. Silver 130827.	5	Lunenburg, N.S.	"	Steam.	99-34	Grand Banks, Nfld. "	Lat. 43, N. Long. 40, W. No. Atlantic.	Collided with "Mar- gare Lake", P. Bonfield.	Total. Ship: \$18,000. Cargo: 1,000.
Nov 23	Mildred 122314.	10	Sydney, N.S.	"	Wood. Sail.	166	St. Johns, Nfld Gibraltar.	North Atlantic	Damaged in gale. Chs. Welbet.	Part.
Nov. 24	Matanzas 130822.	6	Lunenburg, N.S.	"	Schr. Wood.	95-92	Lunenburg Bridgetown, Beloes.	"	Missing S. Oeckle.	Total. 7
Dec. 6	Mont Blanc	18	St. Nazaire, France	"	Sail.	2252	New York Bordeaux.	Halifax harbour	Collided with "Imo", and exploded. A. Lambert.	Total. Ship: \$1,000,000. Cargo: 4,000,000. Part. \$75,000.
Dec. 22	Matanzas 92888.	34	New York	"	Steel. Steam.	2406	New York Bordeaux.	Marys Head, N.S., North Atlantic.	Stranded. S. M. Houston.	Part.
Jan. 17	No. 6 Dredge 138258.	.....	Lunenburg, N.S.	"	Dredge. Iron. Sail.	370-10	Isaac Harbour Sydney, N.S.	Slag rock, N.S.	Foundered. Capt. Hatfield.	Total. 9

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—*Continued.*

COASTING AND SEA GOING WRECKS—*Continued.*

Date of Casualty.	Name of Ship, Official Number.	Age of Ship.	Registered Port.	How Riggered, Iron or Wood, Steam or Sail.	Register Tonnage.	Port Sailed From, Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty, Name of Master.	Lives Lost.	Loss, Total or Partial.
April 22	Nearaway 102573.	14	Hamilton	Schr. Steel.	1190	Swansea Ronen.		Sunk. Fred Scott.	"	"
June 10	Njord 134522.	31	Sydney, N.S.	Wood Steam.	254.45	North Sydney St. John's, Nfld.	40 miles E. & N. of St. Pierre-Miquelon.	Burnt. Jos. Turner.		Part. \$1,000.
July 8	New England 85634.	34	St. John's, Nfld.	Schr. Wood. Sail.	58	Sydney, N.S. Charlottetown, P.E.I.	Dog Island shoal, Lemnox passage.	Stranded. D. Munroe.		Part.
Oct. 6	Noreg.	1	Yarmouth, N.S.	Sloop. Wood.	178.31	New York Harbour Grace, Nfld.	Western Head light, Shotts, Nfld.	Stranded. L. J. McKinnon		Total.
Nov. 7	Nanose 122337.	9	Victoria, B.C.	Tug. Iron.	166	Vancouver Ladysmith.	Portier pass, gulf of Georgia.	Stranded. Thos. Mannon.		Slight damage.
June 10	Orotas 105040.	22	Vancouver.	Schr. Iron.	76	Vancouver, Malgrave, N.S.	Horse island, N.S.	Stranded. J. W. Reynolds.		Part. \$10,000.
July 16	Oregon 126064.	9	Charlottetown, P.E.I.	Schr. Wood. Sail.	46	Canso, N.S. Shelburne, N.S.	Entrance to White head, N.S.	Stranded. A. J. Pelrine.		Total.
Jan. 21	Prince John 129472.	7	Prince Rupert, B.C.	Schr. Steel.	540	Prince Rupert	Maple island, B.C.	Stranded. A. M. Davies.		Slight damage.
Jan. 26	Prince John 129472.	7	Prince Rupert B.C.	Schr. Steel.	540	Prince Rupert Juneau.	Wrangle narrows.	Stranded. A. M. Davies.		Part.
Jan. 28	Peres 138492	7	Liverpool, N.S.	Schr. Wood. Sail.	368.03	Halifax Santos.	Lat. 2°49' N. Long. 27°16' W., No. Atlantic.	Lost C. J. Robert.		Total.
Feb. 7	Princess Patricia 115685	15	Victoria	Schr. Steel. Steam.	535.42	Nanaimo, Vancouver.	Point Grey.	Stranded. J. W. P. Ritchie.		Part.

SESSIONAL PAPER No. 21

Feb. 18.	Plymouth. 80801	38	Windsor, N.S.	Barge Wood.	1312	New York, St. John, N.B.	New York.	Collided with barge. <i>Barry</i> .	Part. \$600.
Mar. 23.	Prince Rupert 129743	7	Newcastle	Schr. Steel.	1026	Amoyot, B.C. Seattle, Wash.	Gem Inlet, B.C.	Stranded. <i>J. Mackenzie</i> .	Part.
April 24.	Prince Albert. 99584	25	Prince Rupert	Steel.	587	Vancouver, Ocean Falls, B.C.	Margaret bay, B.C.	Stranded. <i>W. S. Morehouse</i> .	Part.
May 11.	Princess Sophia. 130620	5	Victoria	Steam. F. & A. Steel.	1469	Skegway Alaska.	Wrangle narrows, B.C.	Stranded. <i>L. P. Locke</i> .	Part.
May 22.	Pharaon. 121953	18	Vancouver	Steam.	17:30	Prince Rupert Fishing.	Queen Charlotte is- land, B.C.	Foundered. <i>D. Malone</i> .	Total. Ship, \$8,000. Cargo: \$2,000. Total.
June 2.	Premier. 98964	26	London.	Gas. Steel.	187 77	Halifax Halifax.	Sambro, N.S.	Stranded. <i>G. Hennekey</i> .	Slight damage.
June 16.	Princess Maquina. 133769	4	Victoria	Steam.	978:60	Victoria. Quatsimo.	Lat. 50° 01' N., Long. 127° 33' 05" W., Pa- cific ocean.	Stranded. <i>E. Gilliam</i> .	Slight damage.
July 20.	Petrel. 121974	11	Victoria	Steel.	58	Nanaimo, Victoria.	Fulford reef, Dis- covery island.	Stranded. <i>Hugh Fletched</i> .	Part.
Aug. 27.	Princess Mary. 109850	29	Vancouver	Steam.	892	Vancouver, Ocean Falls B.C.	Off-Jane island, Fin- layson channel.	Collided with <i>Jefferson</i> .	Slight damage.
Sept. 25.	Princess Mary. 126850	7	Victoria	Steel. Steam.	1315 64	Vancouver, Victoria.	Vancouver harbour.	Collided with <i>Helen</i> .	Part.
Nov. 12.	Prince John 129442	7	Prince Rupert	Steel.	535	Prince Rupert, Alford Bay.	Alford bay, B.C.	Stranded. <i>C. Campbell</i> .	Part.
Nov. 13.	Prince George. 129748	7	Newcastle	Steel.	1025	Prince Rupert	Vancouver	Collided with Ferry boat.	Part.
Dec. 20.	Prince Albert. 99581	25	Prince Rupert	Steel. Steam.	587	Prince Rupert Lockport.	Off Lockport.	Stranded. <i>B. C. H. Nidden</i> .	Slight damage.
Feb. 17.	Seeth Jr. 129639	6	Halifax	Steam. Wood.	199	St. John, N.B. Pernambuco.	15 miles S.S.W. off cape Race, N.B.	Damaged in gale. <i>H. Keeping</i> .	Part.
April 13.	Strathcona. 110354	17	Hamilton	Sail. Steel.	1465	Tyne Marseilles.		Torpedoed.	Total.
April 24.	Stella Maria. 117528	35	St. John, N.B.	Steam. Wood.	54	Halifax North Sydney.	Peerie reef, Sydney harbour.	Stranded. <i>A. W. Brennan</i> .	Part. \$300.
May 8.	Sann Slick. 107301	19	Windsor, N.S.	Sail. Wood.	90	St. John, N.B. Boston, Mass.	8 miles N.E. from Cape Ann, U.S.A.	Foundered. <i>J. E. George</i> .	Total. \$3,500.

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—Continued.

COASTING AND SEA GOING WRECKS—Continued.

Date of Casualty.	Name of Ship. Official Number.	Age of Ship.	Registered Port.	How Rigg'd. Iron or Wood. Steam or Sail.	Register Tonnage.	Port Sail From. Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty. Name of Master.	Lives Lost.	Loss, Total or Partial.
May 19.	Sannal Marshall 107426	29	Brookville, Ont.	Wood. Steam.	540	Ashtabula Chicotini.	West cape, Saguenay river.	Stranded. W. A. Tullock.	Part. \$4,000.	
July 1.	Singapore 125729	11	London	Steel. Schr.	2736	Belfast. Quebec.	14 miles E. of Little Metis, river St. Lawrence.	Stranded. F. W. Hatwell.	Part.	
July 26.	Sylph 756	23	St. Johns, Nfld.	Steam. Wood.	76 07	Sydney, N.S. Summerside, P.E.I.	Hillsborough bay, Northumberland, Str.	Stranded. Jos. Troke.	Part.	
Nov. 17.	Scandinavian 109941	19	Glasgow	Schr. Steel.	7729	Liverpool. Montreal.	Cap à la Roche, riv. St. Lawrence.	Stranded. J. M. Reith.	Part.	
Nov. 22	Spokane 117116	15	New York	Steam. Schr. Steel.	1350	Seattle, Wash. Ocean Falls, B.C.	Idol Point, Seaford channel, B.C.	Stranded. A. McKay.	Part.	
Dec. 6.	St. Bernard 107570	16	Parrsboro, N.S.	Schr. Wood.	123	Denvera.	Halifax harbour	Blown to pieces by explosion of "Mont Blanc".	3	Total. \$12,000.
Dec. 6.	Shianne 130958	6	Lamentburg, N.S.	Schr. Wood.	21	Petit de Grat, N.S. Port Hawkesbury, N.S.	Port Hawkesbury	Jos. Evans. Stranded.	Part. \$400.	
Dec. 6.	Stella Maris 117528	35	St. Johns, Nfld.	Schr. Wood.	54	Halifax Harbour	Halifax harbour	Damaged by explo- sion of "Mont Blanc".	Part.	
March 28.	Triumph 125067	10	Grimsby, B.C.	Sail Ketch.	124	Halifax. Fishing.	Lawrencetown head, N.S.	Stranded.	Total. \$10,000.	
April 8.	Thomas 131929	9	Sheburne, N.S.	Schr. Wood.	115 09	Belleville, Nfld. Rose Blanche, Nfld.		A. W. Bremmen. Stranded.	Total. Ship: \$16,000. Cargo: \$700.	
April 15.	Thos. Mason 133765	13	St. John, N.B.	Sail Wood Steam	21	St. John, N.B. Black River, N.B.	Near Barber rock	D. Myhre. Capt. Keeping. Stranded. J. Longherney.	11	Part. \$700.

SESSIONAL PAPER No. 21

May 23.	Tues.	24	Victoria, B.C.	Sehr.	441	Victoria, Port Alice.	Arnold rock, B.C.	Stranded.	Slight damage.
39229				Iron				C. P. Kinney.	
July 15.	Thomas J. Drummond.	7	Sault Ste. Marie, Ont.	Steam 2 masts.	1664	Levis, Sydney, N.S.	Magdalen islands.	Stranded.	"
126863				Steel				W. J. Davies.	
August 4.	Tescania.	3	Glasgow.	Steam	8621	Glasgow, Halifax.	Lat. 44. 46' N., Long. 61. 31' W., No. Atlantic. Point Grey.	Stranded.	Part. \$5,000.
				Sehr.				J. L. Henderson.	
Oct. 16.	Transfer No. 4	4	Victoria, B.C.	Steam	895	Vancouver.		Stranded.	Part.
134031				Range				J. Newman.	
April 9.	Una.	12	Yarmouth, N.S.	Steam	10-27	Lockeport, N.S., Liverpool, N.S.	Off Western Shoal, N.S.	Foundered.	2 Total.
121639				Wood					
May 19.	Uruguay	22	Charlottetown, P.E.I.	Sail	97	Halifax, Demerara.	Lat. 35. 37' N., Long. 63. 00' W., No. Atlantic.	Damaged in gale.	Part.
				Wood				W. Zinck.	
Oct. 9.	Vilette	15	Dawson	Sail	159	White Horse, Lower LeBarge.	14 miles above lower LeBarge.	Foundered.	Total.
107869				Wood				J. D. Douglas.	
Feb. 13.	W. R. Lord	5	Prince Rupert	Steam	27-62	Prince Rupert	Dead Tree point, B.C.	Stranded.	Part.
134211				Wood				J. Robbins.	
Feb. 25.	Winona	11	Hamilton	Gas	1327	Sunderland, Havre.	North Atlantic.	Stranded.	"
122851				F. & A.				R. L. Anderson.	
May 12.	W. M. Richard	6	Annapolis Royal, N.S.	Steam	323	Mobile, Pointe a Piere, Guadeloupe, Sydney, Newfoundland.	Lat. 28. 44' N., Long. 77. 10' W., No. Atlantic.	Strung a leak.	"
126398				Wood				Z. H. Richard.	
May 14.	William Edwards	831	Sydney, N.S.	Sail			10 miles off cape Pine, Nfld.	Foundered.	Total.
				Wood				John Dicks.	
June 11.	Winnie	11	St. John, N.B.	Steam	17	Ke's Brook, Parrsboro.	2 miles S. off Sambro light, N.S.	Foundered.	Total. \$3,500.
121838				Wood				J. E. George.	
Aug. 21.	William Gertrude	9	Parrsboro, N.S.	Steam	272	Proton, West Africa.		Strunk.	Total.
125967				Wood				W. Roberts.	
Aug. 27.	Wacanda	14	Hamilton, Ont.	F. & A.	996	Swansea, Rabat.	60 miles W. of Scilly isles.	Damaged in gale.	1 Part.
102377				Steel					
Sept. 18.	Willie B.	41	Halifax.	Sehr.	39	Halifax, Liverpool, N.S.	Off port Medway.	Disasted.	"
73962				Wood				R. H. Corkum.	
Oct. 28.	Wm H. Murray	21	St. John, N.B.	Sail	51	Halifax Harbour	Halifax harbour.	Collided with "Bramble Leaf"	1 Total. \$14,000.
100887				Wood				W. Siriband.	
Nov. 25.	War Leader	1	Washington	Sehr.	1395	Cleveland, Chatham, N.B.	Quebec harbour.	Stranded.	Part.
				Steel				D. M. Foote.	
				Steam					

STATEMENT OF wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—Continued.

INLAND WATERS WRECKS.

Date of Casualty.	Name of Ship. — Official Number.	Age of Ship.	Registered Port.	How Riggered. Iron or Wood. Steam or Sail.	Register Ton- nage.	Port Sailed From. — Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty. Name of Master.	Lives Lost.	Loss. Total or Partial.
June 1	Assiniboia 125984	10	Montreal	Stchr. Steel	2486	Port McNicoll	Collingwood	Foundered J. McCarnel.	Part.	\$1,000
June 29	A. E. Ames 11449	11	Newcastle	Steam Steel	1019.83	Port Colborne Montreal	22 miles S.W. from point Peter, lake Ontario.	Collided with <i>Kep- hull</i> . W. H. Montgom- ery.	Part.	
July 28	A. McVittie 138491	27	Montreal	Wood Steam	915.16	Montreal Oswego.	Croils island, lake Ontario.	Stranded A. Lalonde.		Slight damage.
Aug. 13	Arthur 111927	43	Toronto	Stchr. Wood	326	Fairhaven Quebec.	Dorans island	Stranded J. H. Peacock.	Part.	
Sept. 11	Avon	30	Ogdensburg	Sail	1147	Oswego	3 miles W. of Lachine, lake St. Louis.	Stranded J. Gallagher.	Part.	\$5,000
Oct. 11	A. McVittie 138471	27	Montreal	Wood Steam	945.16	Montreal Oswego.	East of Refugee island, River St. Lawrence.	Stranded A. Lalonde.	Part.	
Oct. 28	Abelia 134264	29	Midland	Stchr.	517	Kingston	Simcoe island, lake Ontario.	Stranded	Part.	
Dec. 22	Alberta 122177	10	Port Arthur	Wood Steam	65	Port Arthur	Thunder bay, lake Superior.	Foundered Chs. Giroux.		Total. Ship: \$1,500 Cargo: \$500 Slight.
May 19	Byron Whitaker 134145	27	Montreal	Wood Steam	95.9	Eric, Pa. Dalhousie, Ont.	Wicked bay, Ontario.	Stranded		Total. \$1,000
Oct. 7	Bertie Calkins 126127	42	Montreal	Fore & Aft. Wood Sail	248	Oswego	Belleville, Ont.	Foundered T. L. Vandresen.		Total. \$1,000

SESSIONAL PAPER No. 21

May 1.	Case, 126198	28	Windsor, Ont.	Wood Steam	1246-68	Sandwich, Ont.	Lake Erie	Stranded, W. W. Allen.	Total.
May 11.	Congrecood, 126268	35	Toronto	Wood Steam	333	Toronto Fairhaven.	Fairhaven	Burnt, J. Lawrence.	Total, \$1,500
May 17.	Cadillac, 138230	25	Montreal	Steel Steam	732-26	Lorain, Ohio	Island Perrot, lake St. Louis.	Stranded, W. Beatty.	Slight.
July 14.	Compton, 130927	35	Montreal	Wood Steam	936-76	Chicoctum.	Soulanges canal.	Stranded, R. Rowan.	Part, \$5,500
Sept. 14.	City of Ottawa, 122018	36	Montreal	Wood Steam	838	Hamilton, Montreal.	Goose Neck island.	Stranded, Capt. Baxter.	Slight.
June 15.	Fred Merner, 120613	35	Ogdensburg.	Wood Steam	966	Fairhaven Rochester.	Lachine canal.	Collided with bank of canal, S. Lebeau.	Part.
Nov. 3.	F. H. Lemaire, 133750	16	Plattsburg, N.Y.	Wood Steam	91	New York Quebec.	Opposite Wagoniac island, St. Lawrence river.	Foundered, R. F. Faenande.	Total.
Aug. 8.	Geo. A. Marsh, 133750	35	Toronto	Wood	220	Belleville Kingston.	Amherst island, lake Ontario.	Foundered, J. W. S. Smith.	Total, \$5,000
Oct. 4.	George H. Jones, 130221	7	Owen Sound.	Tug	48-26	Owen Sound	Near Parry Sound.	Burnt, A. W. Hoph.	Total.
May 16.	Harry E. Packer, 116815	35	Montreal	Wood Steam	810-12	Quebec Toledo.	Montreal harbour.	Collided with tow, E. C. Sears.	Slight.
May 23.	Harry E. Packer, 116815	35	Montreal	Wood Steam	810-12	Montreal Toledo.	Toledo harbour	Stranded, E. C. Sears.	"
July 19.	Harry E. Packer, 116815	35	Montreal	Wood Steam	810-12	Toledo Quebec.	Welland canal.	Collided with unknown vessel, E. C. Sears.	Part.
Sept. 4.	Howard W., 133821	17	Montreal	Wood Steam	923-37	Lorain, Ohio.	Alexandria Bay near rows, St. Lawrence river.	Stranded, H. Mallette.	Part, \$7,000.
Sept. 14.	Harry E. Packer, 116815	35	"	Wood Steam	810-12	Fairhaven Quebec.	Coteau lake, Ont.	Stranded, E. C. Sears.	Part, \$5,000.
Sept. 20.	Hiawatha, 96301	27	"	Wood Steam	518	Kingston Kingston.	8 miles off Yorkshire island, lake Ontario	Foundered.	Total, 6
Nov. 27.	India, 107735	18	"	Wood & iron. Steam.	572-82	Port Colborne Montreal.	Lachine canal.	Stranded, J. A. Leprie.	Part, \$10,000. Cargo: \$20,000

STATEMENT of wrecks and casualties reported as having occurred to British, Canadian and Foreign vessels in Canadian waters and to Canadian vessels in other waters, from January 1 to December 31, 1917—*Concluded*.

INLAND WATER WRECKS—*Concluded*.

Date of Casualty.	Name of Ship, Official Number.	Age of Ship	Registered Port.	How Rigged, Iron or Wood, Steam or Sail.	Register Tonnage.	Port Bound To.	Place Where Casualty Happened.	Particulars of Casualty, Name of Master.	Lives Lost.	Loss, Total or Partial.
May 9.	John Plankinton.		Grand Ferry.	Trunk		Toledo, Hancock.	Detroit river, Canadian waters.	Collided with ferry <i>Detroit</i> and foundered.		Total. Ship: \$80,000. Cargo: \$20,000. Part. \$3,500.
July 16.	James W. Follette 116816	36	Cobourg.	Wood, Steam.	590-08	Ogdensburgh, Ashtabula.	Welland canal.	Stranded. C. A. Maloney.		Total.
Aug. 21.	James Reid. 116398	42	Sarnia.	Tug, Iron, Steam.	123	Sarnia, Byng Inlet.	2 miles S $\frac{1}{2}$ E. of Byng Inlet, Georgian bay.	Foundered. F. T. Smith.		Total.
Aug. 22.	John S. Thom 126388	27	Quebec.	Wood, Steam.	911-23	Ogdensburgh, Ashtabula.	$\frac{1}{2}$ mile N. E. of Devil's Nose, lake Ontario.	Damaged in gale. W. J. Steele.		Part.
May 8.	Keynor 133538	3	Newcastle.	Steel, Steam.	1,090-14	Toledo, Montreal.	1 miles above Lachine canal.	Stranded. Jos. Martin.		Part.
July 30.	Kildonian 92548	29	Montreal.	Steel, Wood, Sail.	499-06	Montreal, Oswego.	2 miles W. of Brockville, river St. Lawrence.	Collided with <i>Sicourt</i> . D. Monette.		Part. \$6,000.
Nov. 25.	Keynor 133538	3	Newcastle.	Steel, Steam.	1,090-14	Comau, Montreal.	Off McGee's shoal, lake St. Francis.	Stranded. Jos. Martin.		Slight damage.
May 11.	Lloyd S. Porter 91927	21	Montreal.	Wood, Steam.	379-46	Montreal, Fairhaven.	North Fairhaven, lake Ontario.	Burnt. F. Patenaude.		Total. \$20,000.
Nov. 3.	Lawrence C. Gift.	7	Albany, N.Y.	Wood.	39	New York, Quebec.	Opposite Wayagamac island, river St. Lawrence.	Foundered. L. C. Gift.		Total.
Dec. 5.	Lough 110124	37		Iron, Steam, Steel.	1,035	Cleveland, Montreal.	Welland canal.	Collided with stone pier.		Part. \$5,000.
Feb. 8.	Martha Stewart.		Toronto.	Steel, Steam.	32	Toronto.	Toronto harbour.	Foundered. M. Peterson.		Part. \$1,000.

SESSIONAL PAPER No. 21

May 1.	Munroe C. Smith. 35382	Oswego.....	Steel. Steam.	3, 016	Fairport. Buffalo.	Passage island, lake Superior.	Stranded. E. Stanley.	Part.	\$10,000.
May 15.	Magnolia 103890	Midland..	Wood. Steam.	190	Kingsport. Prescott.	Below Clayton, N.Y.	Stranded. Robt. Graham.	Part.	
July 9.	Manitoba 94878	Montreal	Steel. Barge	1, 699	Port McNicoll Owen Sound.	Off Whitefish point, lake Superior.	Collided with W. S. Juck. J. McIntyre.	Slight damage.	
Aug. 13.	Middlesex.....	Chicago	Wood. Steam.	587	Huron... Montreal.	Dorans island.....	Stranded. D. Demers.	Part.	
Oct. 27.	Mapleton 123326	Sunderland, Eng.	Steel. Steam.	1, 140	A. Inabalala Quebec.	Lake St. Louis.....	Stranded. A. F. McLennan.	Part.	\$1,000.
May 26.	Nepigon 130272	Buffalo.....	Wood. Steam.	548	Upward bound.....	Welland canal.....	Collided with gates of lock No. 1. W. H. Brooks.	Part.	
June 9.	Nepigon 130272	"	Wood. Steam.	548	Montreal Huron.	Weavers point.....	Stranded. W. H. Brooks.	Part.	
June 18.	Nadironco 133746	Toronto	Steel. Barge	547	Toledo.....	Detroit river.....	Collided with <i>Eastern States</i> . J. P. McLeod	Total.	
Oct. 14	Phoenix.....	"	Wood. Steam.	54	"	Peel island, Ont.....	Stranded.....	Part.	
Aug. 31.	Rapids City 85625	"	Wood. Sail.	39	Dawsonville Toronto.	8 miles E.S.E. from Toronto, lake On- tario.	Foundered..... G. Arthurs.	Total.	\$2,000.
Oct. 22.	Richard W. 133832	Montreal.	Wood. Steam.	904-53	Montreal Toledo.	Wolfe island, river St. Lawrence.	Stranded. T. B. C. Raymond.	Part.	\$2,000.
Nov. 16.	Rufus P. Ranney..	Fairport.	Steel. Steam.	3, 405	Buffalo. Depot Harbour.	Port Arthur.....	Collided with dock. C. N. Baker.	Part.	\$1,500.

APPENDIX No. 9.

MASTERS AND SEAMEN'S BRANCH.

Report of B. F. BURNETT, Officer in Charge.

During the past fiscal year navigation schools were in operation at St. John, Halifax, North Sydney, Yarmouth, Quebec, and Kingston.

Marine lectures were delivered at Yarmouth, Collingwood, and Vancouver. The total expenditure on account of these services was \$4,814.

Examinations for Masters' and Mates' Certificates were held at Halifax, Yarmouth, North Sydney, St. John, Charlottetown, Quebec, Vancouver, Victoria, Prince Rupert, Edmonton, Nelson, Toronto, Collingwood, Port Arthur, and West Selkirk.

Issued during the year: 11 masters', 14 mates', 35 second mates', seagoing certificates of competency, 109 masters' and 101 mates' coasting certificates, 30 masters' and 34 mates' inland waters certificates of competency, and 39 mates' temporary certificates.

Fees paid, \$4,611.92; expenditure, \$13,589.12.

PILOTAGE.

The Minister of Marine and Fisheries is the pilotage authority in the pilotage districts of Montreal and Quebec, and all matters of pilotage in those districts are controlled by the minister through a general superintendent at Quebec.

In the pilotage district of Montreal there are fifty pilots and thirteen apprentices, and in the pilotage district of Quebec there are sixty-two pilots and twenty-one apprentices. Pilots in these two districts receive all their earnings, less 5 per cent in the Montreal district and 7 per cent in the Quebec district, which is paid into their respective Decayed Pilots' Fund. The total gross earnings of the Montreal pilots for the twelve months ended December 31, 1917, amounted to \$110,564.17, and the total gross earnings of the Quebec pilots during the same period amounted to \$115,561.99. All expenses of these services are paid out of public funds, and during the twelve months ended March 31, 1918, amounted to \$52,068.10.

Retired pilots of the Montreal and Quebec districts are regularly paid a yearly pension of \$300 each out of their respective Decayed Pilots' Funds, and certain retired pilots of the Quebec district are paid in addition a yearly Government pension of \$300, those government pensions for the twelve months ended March 31, 1918, amounting to \$8,475.

Of the thirty-nine other pilotage authorities constituted under the authority of the Governor in Council in pursuance of the provisions of the Canada Shipping Act, fourteen have sent in returns for 1917.

APPENDIX No. 10.

SIGNAL STATION, CITADEL, HALIFAX, N.S.

Record of Shipping from April 1, 1917, to March 31, 1918, by W. W. DAVIS, Captain, R.C.E., Superintendent of Signals:—

Total vessels reported.....	2,712
" arrived.....	2,711
" passed.....	1

APPENDIX No. 11.

SABLE ISLAND.

Mr. J. U. Blakeney, superintendent, reports that parts of the buildings are very badly in need of repairs, and if not attended to soon will be gone past all repair.

Boats on hand as last year: some of them require the attention of a skilled carpenter.

Live stock: 35 horses, 75 horned cattle, 4 hogs.

People on the island: 46, including 5 at the wireless station.

Cattle killed: 5; 4 consumed on island; total weight, 2,850 pounds; one sent ashore.

Pigs killed: 7; total weight, 1,500 pounds.

Number of times rounds were made: A.M., 53; P.M., 32; total, 85.

Number of boat drills: 12.

Rocket drills: 8.

Crops normal.

APPENDIX No. 12.

REPORTS OF AGENCIES.

The annual reports of the agents of this department are necessarily too voluminous for publication. Abstracts from these reports have accordingly been made.

HALIFAX AGENCY.

There has been a marked increase in the shipping of the port of Halifax during the last year, the arrivals numbering 2,711 as against 1,624 in 1916-17.

A small steamer to carry supplies to the Halifax lightship and neighboring light-stations, and for the placing and lifting of small buoys in various harbours, is needed.

During the fiscal year 1917-18 the following aids to navigation have been in operation: 258 lighthouses, 40 pole lights, 2 light vessels, 22 diaphones, 4 steam fog vessels, 57 hand horns, 6 mechanical fog bells, 23 combined gas and whistling buoys, 8 combined gas and bell buoys, 7 gas buoys, 17 automatic whistling buoys, 48 bell buoys, 3 submarine bells attached to buoys, 203 iron and steel buoys, 1,100 spar buoys, and 15 day beacons.

New aids to navigation have been established as follows: range lights at Bedford narrows, Halifax harbour; new fog alarm at Rockport; new wooden spar buoys, three at Advocate harbour, two in Inhabitants harbour, five in Little Lorembec, four in Bayside harbour, five in Port Clyde, two in Digby harbour, two in Barrington bay, one in Pennant bay, two gas buoys in Bedford narrows; one bell buoy at Petit-de-Grat island; one iron conical buoy in Halifax harbour; one automatic whistling buoy off Fourchu head.

Repairs and improvements were made to 32 lighthouses and fog alarm stations, 40 automatic and signal buoys, 18 automatic whistling buoys, and 44 bell buoys.

SYDNEY, N.S., SUB-AGENCY.

Arrangements were made for the opening of a free navigation school at Sydney. A new heater was installed in marine hospital at Louisburg, and bedding and supplies purchased.

Temporary lightkeepers were appointed at South bar and point Edward. Repairs were made to the heating system at Sydney marine hospital, and supplies bought.

Secured assistance of steamer *Stanley* in salving s.s. *Ennisbrooke* on shore, grain laden, for which the sum of \$2,000 was paid to the Government. Recovered harbour buoys carried away by ice with aid of steamer *Alert*. Recovered and returned to position outer range lights at Glace bay.

PICTOU, N.S., SUB-AGENCY.

Outside buoys repaired, painted and placed in position by ss. *Brant* early in May, taken up in December, and replaced by spar buoys. Dominion steamers calling were coaled and supplied. Submerged wreck in entrance to harbour lighted and buoyed until removed; 205 steamers and 490 sailing vessels arrived.

SESSIONAL PAPER No. 21

ST. JOHN AGENCY.

This agency maintains 152 lightstations, 16 fog alarm plants, 17 gas and whistling buoys, 8 automatic whistling buoys, 31 bell buoys, 67 can and conical buoys, and 50 spar buoys.

There are three signal stations, two in the bay of Fundy at Partridge and Brier islands, and one at Esecuminae, Northumberland straits.

New range lights were established at Shemogue to be in operation in the spring.

The usual repairs were made to the *Lurcher* lightship, and the ship put in first-class condition, and buildings and sheds at all the stations were kept in repair and painted when necessary.

The Partridge Island station, St. John, signalled 104 steamers and 25 sailing vessels.

CHARLOTTETOWN AGENCY.

Part of the marine wharf has been closed to vehicular traffic as it is in bad condition. During the year warehouses Nos. 2 and 3 were sold by tender and removed from the wharf; the proceeds of the sale were sent to the Receiver General.

The C.G.S. *Brant* and the oyster culture steamer *Ostrea* wintered at the wharf.

The agency maintains 53 lightstations, 5 combined gas and whistling buoys, 4 Courtney whistling buoys and 4 American pattern bell buoys.

The revenue collected from 31 government wharves amounted to \$1,014.74, remitted \$766.73.

MONTREAL AGENCY.

New range lights were constructed at Cape Madeleine village. Gentilly back light, destroyed by fire in the spring of 1917, was rebuilt. The pier at Ile de Grace back light was further protected. The St. Sulpice course front light was moved to a new site. Electric lights were placed in the Vaudreuil wharf beacon. New apparatus was installed at Ash, and Bloody Island lights.

The buoys in the ship channels were maintained in first-class condition. The wrecked steamer *Glacial* was removed and placed in a position where she will no longer obstruct navigation.

EXPENDITURE.

Agencies, rents and contingencies.	\$14,795 31
Construction of lights.	29,887 68
Dominion steamers.	69,240 18
Construction buoy service.	1,812 48
Maintenance buoy service	40,558 58
Maintenance of lights.	19,348 85
Lightkeepers' salaries.	33,171 38
Wrecks.	503 02
Maintenance and repairs to wharves.	1,210 26
	<hr/>
	\$210,527 74

QUEBEC AGENCY.

This district extends from point Platon to Belle Isle, and includes the Saguenay river, lake St. John and Chaleur bay; the vessels under the immediate control of the agency are the ice breakers *Montcalm* and *Champlain*, the steamers *Druid*, *Eureka* and *Rouville*, and the lightships *Red Island* No. 3, *White Island* No. 5, *Prince Shoal* No. 7, and *Lower Traverse* No. 20, and for winter repairs and supplies the ice breaker *Lady Grey* and the steamers *Bellechasse* and *Princess*.

This agency also attends to the requirements and administration of the ferry service between River Ouelle wharf and the north shore of the river St. Lawrence during winter and summer. The agency employs between 250 and 325 men.

Fifty wharves are under the control of the agency, the net revenue from which in 1917-18 amounted to \$6,391.42. The lighthouse, buoy, and fog alarm services were maintained as usual, except that owing to war conditions, the fog alarms were kept in operation somewhat longer; some of them on the Gaspé coast until late in January.

The total expenditure for the year, including all branches, amounted to \$945,724.41, an increase of \$146,733.70 over last year's expenditure.

DOMINION LIGHTHOUSE DEPOT, PRESCOTT, ONT.

About 265 production orders were completed by the machine shops during the year, these included the manufacture of Diamond Vapour Burner parts, the preparing of reflector apparatus, steel structural towers and oil pumping outfits, lighthouse stairs, railings, trap doors, etc.

In the vapour testing, assembling, and erecting department all vapour parts made up were carefully tested, and lights prepared for shipment and tested under running conditions. Erectors from this department were sent to various lighthouses to make repairs and set up new apparatus, and to instruct lightkeepers in the proper handling of their lights. In the carpenter shop the necessary repairs were made to government steamers, lighthouse and fog alarm buildings, etc. In the painting shop all necessary painting to buoy lanterns, Prescott division buoys, and the C.G.S. *Grenville* was done by the workmen. The blacksmith shop made all the necessary forgings, boats, bands, shackles, etc. for the various departments, plant, and government steamers; in the brass foundry a number of castings were made for lighthouse and fog alarm apparatus, gas buoy lanterns, etc.; a number of new patterns were made in the pattern shop.

The photometric room made tests of vapour burners in connection with catoptric and dioptric apparatus, also mantle lamps, mantles, petroleum oils, blaugas and pintsch gas.

FORT WILLIAM, ONT., SUB-AGENCY.

The usual work in connection with the lighthouse and buoy service was carried on during the season, on April 26 the lightkeepers were sent to Thunder cape, Welcome, Battle and Slate islands, and on May 2 the first boats left for the east, and the first vessel arrived; on December 14 the last vessel left Fort William harbour, and on December 17 all lightkeepers were removed from their stations.

KENORA, ONT., SUB-AGENCY.

The opening of navigation on the lake of the Woods in the spring of 1917 was unusually late, lightstations were manned and supplied as soon as the lake was clear of ice.

The buoy service has been much extended during the last four years, in 1915 Shoal lake was buoyed, and in 1916 and 1917 Rainy lake, and targets were erected in Sioux rapids, Manitou rapids, and on Singletons island, which have been of great benefit to navigation.

The Sand Hills channel at the mouth of the Rainy river is filling up from the north side, and in a year or two dredging will be necessary to keep the channel open.

SESSIONAL PAPER No. 21

VICTORIA, B.C., AGENCY.

A large reinforced concrete building for the storage of carbide and coal oil has been built at the wharf of the new depot, in order that this material may be carried in stock at headquarters; additional roads and extension of drainage system were other improvements.

The bridge at Ivory island which had been washed away was rebuilt with concrete piers and log stringers, standard day beacons on concrete bases were erected at Genoa bay, Mist rock and Bull rock, Turtle head, False reef, and Cook point. The maintenance branch supplied all the necessary stores to light and fog alarm stations, and attended to all necessary repairs and to the painting of buoys, beacons, buildings, etc.

PRINCE RUPERT, B.C., SUB-AGENCY.

Two new day beacons were built during the year at the entrance to Alice arm, Observatory inlet, one on Hyde rock, and one on the rock to the north of Brook island.

A new acetylene gas beacon was established off Knox point, Binnie island; all the sixteen acetylene beacons in the district and can, conical, spar, and platform buoys were maintained in good order throughout the season.

APPENDIX No. 13.

**HARBOUR COMMISSIONERS' REPORTS OF MONTREAL, QUEBEC, TORONTO,
VANCOUVER, THREE RIVERS, BELLEVILLE, AND PICTOU.**

The reports of the Harbour Commissioners of Montreal and Quebec are synopses of the original reports, which are published in pamphlet form for general distribution.

MONTREAL HARBOUR COMMISSION.

Board.—The personnel of the Montreal Harbour Commissioners' Board for the year 1917 was as follows: President W. G. Ross, Esq., Commissioners Farquhar Robertson, and A. E. Labelle, Esq., Secretary; M. P. Fennell, Jr., Esq., who replaced Major David Seath (deceased), Chief Engineer F. W. Cowie, Esq., C.E.

TRADE OF MONTREAL COMPARED WITH THAT OF THE FOUR LEADING AMERICAN ATLANTIC
PORTS.

New York—		
Value of imports.....		\$1,191,865,982
“ exports.....		2,332,286,213
		<hr/>
		\$3,524,152,195
Port of Montreal—		
Value of imports.....		\$194,924,348
“ exports.....		382,741,463
		<hr/>
		\$577,665,811
Boston—		
Value of imports.....		\$210,900,243
“ exports.....		131,229,946
		<hr/>
		\$342,130,189
Philadelphia—		
Value of imports.....		\$ 95,801,175
“ exports.....		193,495,296
		<hr/>
		\$289,296,471
Baltimore—		
Value of imports.....		\$ 27,808,916
“ exports.....		180,703,374
		<hr/>
		\$208,512,290

Season of Navigation.—A statement of the conditions of navigation for the season of 1917, and the date of the first arrival and last departure will be found in the Port Wardens' statement, part of Appendix No. 14.

Shipping.—A statement giving the number, nationalities, and tonnage of sea-going vessels using the port during the season of 1917 will be found in the report of the port warden, part of Appendix No. 14.

Police Department.—The harbour police force in 1917 comprised five officers and fifty-nine men, all uniformed and armed, and was employed in regulating the traffic,

SESSIONAL PAPER No. 21

maintaining order, and protecting life and property between the Lachine canal and Sutherland pier, a distance of three and a half miles. No accident of even a minor nature occurred between these limits during the season of 1917 despite the free movement of railway and vehicular traffic. The services of eighteen of the harbour constables were continuously at the disposal of the various shipping companies during the season.

Railway Traffic Department.—During the year 1917, 215,294 cars were handled as compared with 234,439 in 1916. Directly to and from the sheds, 43,745 cars were handled as compared with 51,576 in 1916. This decrease is not due solely to the decline of overseas traffic but in part to the closing down of the hay compressing plant at shed No. 25 for practically the whole season, and reduction of traffic to and from certain industries previously occupied in the manufacture of munitions.

The length of the Harbour Commissioners' railway tracks at the end of 1917 was 52.347 miles, an increase of 3.235 miles over the number of miles in use at the end of 1916. No construction work or important improvements affecting railway traffic were completed during the year, with the exception of the completion of a mile of railway embankment eastward from section 75 in the neighbourhood of Longue Pointe church.

Engineering Department.—The Engineering Department of the Montreal Harbour Commission has charge of the work of harbour construction, maintenance, and operation; in order to keep abreast of the increasing trade of the port, the commission has acquired an extensive plant for all the construction work necessary, including dredging plant, tugs, derricks, and a shop for repairs, all of which are kept in first-class working order.

The following are the chief items of construction for the season: The continuation of the construction of New Victoria pier and Market basin. The continuation of the construction of bulkhead high level wharves on the river front, eastward from Victoria pier. General dredging for widening and deepening of basins and berths. Dredging of channels for the amelioration of St. Marys current. Paving and laying railway tracks on wharves. The continuation to completion of improvements resulting in the floating dock basin and site for the Canadian Vickers' shipbuilding and repair yard. The construction and improvement of harbour facilities such as hoists, flood gates, bridges, subways, and freight yards. Additions and improvements to Harbour Commissioners' construction plant. The completion of a market wharf for Montreal East. The erection of temporary offices for the United States Shipping Board, on Victoria pier. The erection of shed and brick fence at Harbour yard. The erection of offices in shed No. 2. The maintenance of berths and channels, of wharves, sheds, buildings, roadways, water service, cleaning of wharves and general repairs were carried on as usual. The improvement and extension of harbour railway terminals. Temporary sidings were constructed on the new Victoria pier. An industrial siding and trestle for the St. Lawrence sugar refinery. Improvements to track scale at Letourneux ave. An additional siding at the Harbour yard. New railway yard opposite dry dock. Double tracking of section from the dry dock to Racine pier. New yard and sidings at Longue Pointe.

GRAIN ELEVATOR SYSTEM.

This includes elevators, conveyor facilities, etc.: it was commenced in 1904 with an elevator having a capacity of 1,000,000 bushels, and in May, 1916, comprised two large elevators having a combined capacity of 6,662,000 bushels.

The operations of the elevators during the season of 1917 were marked by an increase of receipts by cars, whereas in 1916 75 per cent of the grain received at the elevators arrived by car, in 1917, 79 per cent arrived by car, 22,199 cars of grain were received during the season, and 2,159 cars were loaded and shipped out. The total number of bushels of grain handled by the Harbour Commissioners' elevator system during 1917 was 42,831,504, as against 51,548,720 in 1916.

MONTREAL HARBOUR AS A SHIPBUILDING CENTRE.

Montreal harbour as a shipbuilding centre has the following permanent advantages:—

1. It is at the head of ocean navigation and the foot of the St. Lawrence Canal system.
2. It is the Canadian centre of finance and industry.
3. It has a splendid labour market.
4. It possesses manufacturing plants for all auxiliary parts required in shipbuilding and repair work.
5. The connection with the Harbour Commissioners port and railway terminals ensures prompt despatch and economy.

It is not unlikely that eventually shipyards will be established along the banks of the river between the Canadian Vickers plant and Pointe aux Trembles in a manner somewhat similar to the shipyards on the Clyde.

FINANCIAL STATEMENT.

For the year ended December 31, 1917, receipts on revenue account amounted to 1,550,646.93, an increase of \$26,773.99 over the previous year.

The cost of operation, and maintenance, interest, etc. was \$1,897,393.44, an increase over the previous year of \$120,010.77, leaving a debit on revenue account for the year of \$46,746.51. The interest charges which amounted to \$892,751.85 show an increase of \$14,394.28 on new loans due to the continued carrying out of improvement work. There were received from the Dominion Government loans of \$295,000 on account of capital expenditure for improvement work, and \$235,000 to retire public debentures which matured July 5, 1917.

Disbursements on capital account in 1917 amounted to \$422,003.44.

GENERAL.

His Excellency the Duke of Devonshire, Governor General of Canada, made a special visit to Montreal to inspect the port on October 10, a number of gentlemen actively interested in the port of Montreal were invited to accompany the inspection party, besides inspecting the harbour, an hour was spent at the plant of the Canadian Vickers, Limited, Maisonneuve.

On October 30, Lieut.-Col. C. C. Ballantyne, Minister of Marine and Fisheries, accompanied by Mr. Alexander Johnston, Deputy Minister, made an inspection of the harbour, and also of the plant of the Canadian Vickers, Limited.

On November 8, Hon. J. D. Hazen, ex-Minister of Marine and Fisheries, and now Chief Justice of New Brunswick, was the guest of the Harbour Commissioners.

THREE RIVERS HARBOUR COMMISSION.

As compared with 1916 the finances of the Commission show a decided improvement during the year 1917, the revenue from the harbour amounted to \$18,029.35, as against \$10,783.04 for 1916, an increase of \$7,246.31.

Shipyards have been established at Old Windmill point, where two ships each of 1,600 tons are being built and will soon be ready for launching.

The Canada Foundries Company have completed a wharf of 266 feet frontage adjoining their large workshop to permit of the export of their products and the obtaining of raw material by boat.

SESSIONAL PAPER No. 21

The Canada Steamship Lines Company placed part of its fleet in winter quarters in the St. Maurice river, and intend establishing workshops and shipyards on the south shore of the river for the construction and repair of boats for their fleet.

The Shawinigan Water and Power Company instead of having the electric transmission cables for their workshops on the south shore of the river and at Tettford Mines, laid in the bed of the harbour as formerly, have built on both shores two towers 375 feet in height for the installation of four cables. One of these towers is built on the north shore of the harbour and the other a few hundred feet distant from it. This will do away with an obstacle to ships anchoring in the harbour.

The wharf at cape Magdalen has been handed over to the Commissioners by the Department of Public Works, as this is within the harbour limits and has a population in its vicinity of about 2,000 souls, it will tend to contribute to the upkeep of the harbour.

In order to include the pulp works of the St. Maurice Paper Company which are at present just outside the harbour limits the Commission recommends that the charter of the harbour of Three Rivers should be amended to comprise within its limits the district of Three Rivers; the Commission further recommends that the Chairman and Commissioners should receive some indemnity for the time taken up in their meetings.

STATEMENT of number and tonnage of steamers and other vessels reported inward and outward of the port of Three Rivers, for the year 1917.

Ocean Traffic—Return of Vessels Inward.			Ocean Traffic—Return of Vessels Outward.		
Nationality.	No.	Tons.	Cleared for	No.	Tons.
British.....	19	62,634	Inland ports.....	17	56,468
			Great Britain.....	2	6,171
Total.....	19	62,634	Total.....	19	62,639
United States Traffic.			Inland Traffic.		
Canal boats.....	258	26,323	Schooners and barges.....	165	30,835
Sail barges.....	60	27,604	Tugs and steamboats.....	700	897,273
Total.....	313	53,927	Totals.....	865	928,108

RECAPITULATION.

Ocean traffic.....	19	62,634
United States traffic.....	313	53,927
Inland traffic.....	865	928,108
Grand total.....	1,197	1,044,674

MERCHANDISE.

Inward.		Outward.	
Soft coal.....	37,133 tons.	Rails.....	46,466 tons.
Hard coal.....	18,070 "	Lumber.....	26,228,000 feet.
Sulphur.....	4,599 "	Sand.....	31,500 tons.
Rosin.....	249 "	Pulpwood.....	11,717 cords.
Sand.....	1,756 "	Paper.....	3,757 tons.
Bricks.....	679,000	Laths.....	1,502,000 pieces.
Lumber.....	277,000 feet.	Hay.....	373 tons.
Pulpwood.....	785 cords.	Coal.....	45 tons.
Cordwood.....	409 "		
Hay.....	156 tons.		
Apples.....	1,716 bushes.		
Shingles.....	1,225,000 pieces.		

RECEIPTS AND DISBURSEMENTS FOR YEAR 1917.

Receipts.		Disbursements.	
Tonnage dues..	\$ 3,205 39	Current expenses	\$ 1,467 02
Harbour dues: Inward.	4,375 04	Salaries and commission.. . . .	4,562 80
Harbour dues: Outward	7,198 16	Printing and stationery.. . . .	150 00
Rent of wharves and moorage	3,959 76	Repairs and general harbour ex- penses..	1,745 60
Commutation..	200 00	Travelling expenses.	3 50
		Interest on Debentures.	9,525 00
Total receipts..	\$18,029 35	Total expenses on revenue.. . . .	\$17,454 79
Balance on December 31, 1916	586 59	Deposits in bank, and cash on hand, December 31, 1917.. . . .	1,155 15
	\$18,615 94		\$18,609 94

PICTOU HARBOUR COMMISSIONERS' REPORT.

STATEMENT of Harbour Dues for the year ending 31st December, 1917:—

Balance on hand December 31, 1916..	\$160 00
Collections of harbour dues for year 1917..	493 88
	\$653 88
Disbursements for 1917—	
Paid salary of harbour master	\$240 00
Paid harbour commissioners..	253 88
Balance on hand..	100 00
	\$593 88

E. & O. E.

Total tonnage for 1917, 32,925 tons.

Pictou Harbour Commissioners' Account for year ending December 31, 1917:—

1916.			
December	30.	By balance..	\$1,197 41
1917.			
December	31.	By harbour dues for year ending December 31, 1917, from Collector of Customs..	253 88
January	29.	To paid Mrs. W. A. Cooke, balance year's salary W. A. Cooke, H. M..	\$ 40 60
April	19,	H. B. Ross, secretary, half year	50 00
May	1,	ss. <i>Hiawatha</i> putting out harbour buoys.	30 00
“	8,	Wm. McLean, bushing channel..	12 00
“	“	E. C. McDonald, bushing E. River.. . . .	25 00
“	15,	Jas. Carson & Son..	1 75
“	18,	Gammon & Weir, repairs to wharf— New Glasgow..	550 00
June	29,	Phil. Hall, painting buoys..	8 50
November	8,	E. C. McDonald, balance account.. . . .	5 00
“	9,	Repairs to New Glasgow wharf..	36 13
“	13,	Alex. McMillan, work at wharf..	61 40
“	“	Ross Chapman, chain for buoy..	1 00
“	“	ss. <i>Hiawatha</i> , taking in buoys..	30 00

SESSIONAL PAPER No. 21

Pictou Harbour Commissioners' Account for year ending December 31, 1917:—*Con.*

1917.

December 30,	To paid H. B. Ross, secretary.....	\$ 50 00
"	Walter Talbot, hire of scow and pile driver.....	56 00
"	Wm. McLean, balance of account.....	6 00
"	Captain D. McKenzie, replacing bushes, E. River.....	5 00
"	J. W. McRoy, solicitor.....	20 00
	Balance.....	460 81
		<hr/>
		\$1,451 29
		<hr/>
	By balance.....	\$460 81
		<hr/>

Pictou, N.S., December 31, 1917.

D. SUTHERLAND, *Chairman.*

REPORT OF BELLEVILLE HARBOUR COMMISSIONERS.

HARBOUR MASTER'S REPORT.

Imports—		
11,677	tons of coal.....	\$1,167 70
305	" of merchandise.....	30 50
		<hr/>
		\$1,198 20
Exports—		
1,352	tons of merchandise.....	\$135 20
764	" of cheese.....	76 40
		<hr/>
		211 60
Storage—		
	To storage in warehouse.....	120 00
		<hr/>
		\$1,529 80
Disbursements, sundry expenses.....		167 20
		<hr/>
	Balance.....	\$1,362 60
		<hr/>

1917.

January 1,	To balance in bank.....	\$ 323 99
June 14,	To harbour dues.....	67 70
July 20,	"	67 30
August 20,	"	274 60
September 20,	"	276 20
October 23,	"	437 30
November 20,	"	188 00
December 3,	"	51 50
		<hr/>
		\$1,686 59
March 21,	By auditor's fees.....	\$ 5 00
" 31,	" secretary's salary, 1916.....	50 00
May 10,	" " " 1917.....	50 00
October 2,	" interest on debentures.....	600 00
" 30,	" " " on ex. rebate.....	0 50
December 31,	" harbour master's salary (13 months).....	650 00
	" balance on deposit.....	331 09
		<hr/>
		\$1,686 59
		<hr/>
		\$1,686 59

Statement of Sinking Fund to December 31, 1917:—

To credit of sinking fund as per statement of 1916.....	\$7,223 54
December 31, 1917, to interest to date.....	213 39
	<hr/>
	\$7,436 93
	<hr/>

TORONTO HARBOUR COMMISSION.

The harbour was closed from the 11th December to the 28th March, 107 days in all, two days less than last season; the first vessel to arrive was the *Macassa* from Hamilton on March 30, and the last tug the *Home Rule* on December 16; the arrivals numbered 2,168, 508 less than last year.

Amounts of harbour dues collected during the season were as follows:—

Merchandise,	74,002 tons at 3 cents.	.....	\$2,220 06
Coal,	148,271 " 3 "	.....	4,448 14
Stone,	8,873½ " 5 "	.....	443 66
Fruit,	4,801 " 15 "	.....	720 15
Lumber,	5,000 feet at 3 "	.....	0 15
Horses, vehicles, etc.,	468 at 10 cents.	.....	46 80
			\$7,878 96
Total amount of harbour dues collected.		.....	\$7,878 96
" " collected, police court fines.		.....	30 00
" " " for storage.		.....	416 13
" " " " berthing vessels.		.....	1,052 63
			\$9,377 72

Can buoys were placed round Lighthouse point on April 24, Long Branch July 27. Exhibition motor boats course August 30, Eastern channel August 1, Inner harbour June 13.

The lights on eastern entrance were lighted on March 30, Western channel on March 31, discontinued Eastern entrance December 25, Western channel December 25.

The vessels wintering at the port were:—

Steam barges.	.....	17
" ships.	.....	8
" ferries.	.....	13
" tugs.	.....	22
" yachts.	.....	3
Sail.	.....	3
Tow barges.	.....	11
Total.	.....	77

With a gross tonnage of 44,107.

Dredging was carried on during the latter part of the season at the mouths of the city sewers, Elias Rogers coal docks, Imperial Oil Company, Weaver Coal Company, and approach to the corporation yards: owing to the early formation of ice in the harbour dredging operations had to be discontinued at several points.

Life chains were placed for the entire lengths of both the piers in the Western channel.

A storm signal mast was erected at the foot of Yonge street for the display of cautionary signals.

A white range light on the old Queens wharf, built in 1856, was destroyed by fire on September 1.

The schooner *Rapid City* was sunk off Scarboro bluffs on September 1; no loss of life.

The season from April 1 to December 10 (practically the close of navigation) was unusually free from storms on the Great Lakes, especially on lake Ontario, where the force of a gale was only reached on thirteen occasions; the heaviest gale of the season occurred on December 9.

SESSIONAL PAPER No. 21

VANCOUVER HARBOUR COMMISSION.

SHIPBUILDING.

During the past season shipbuilding has been very active, a number of wooden auxiliary schooners having been built, and steel vessels ranging from 4,700 to 8,800 tons. The *Alaska*, a vessel of 8,800 tons, was launched from one of the British Columbian yards last January, and is the first of nine steamers of similar tonnage now being built.

GRANVILLE ISLAND.

This industrial area being built on the mud flats in False creek is now nearing completion. Twenty-nine lots have been leased, and the industries already located there include a white lead manufacturing company, machine shops, foundries, and engineering works, and this made ground has proved of great benefit to the business interests of Vancouver.

GOVERNMENT WHARF.

The volume of business dealt with at the government wharf during the months of January, February and March has been most gratifying, and has exceeded expectation; the shed, a structure 676 feet by 78 feet, was found quite inadequate to the demands made upon it, in consequence a new shed 843 feet by 97 feet is now under construction.

During the year the total tonnage of freight passing over the wharf was 65,679; a very extensive trade is at present being carried on in the transhipment of Oriental oils; in order to facilitate the transfer of the oils to tank cars, the commissioners have under consideration a project for installing storage tanks and pumps.

SHIPPING RETURNS.

The Customs returns for the year show the classification of shipping inwards and outwards at this port to be as follows:—

			Tonnage.
Foreign vessels	inwards,	1,449	1,890,873
"	outward,	1,369	1,392,141
Coastwise "	inwards,	9,993	3,549,997
"	outward,	10,206	3,806,496

SUMMARIZED STATEMENT of operations for year ending March 31, 1918:—

<i>Operating Receipts.</i>		<i>Operating Expenditures.</i>	
Wharfage, storage, etc.	\$16,156 28	Government wharf expenses.	\$ 8,400 83
Rentals of water lots.	12,965 62	Granville Island.	823 84
Harbour dues, Port Wardens' fees, etc.	34,850 71	Terminal Scheme—Preliminary and sundry expenses.	1,592 48
Granville Island revenue.	12,222 48	Interest on debentures.	15,000 00
Crown grants.	2,943 89	Administration and miscellaneous expenses.	24,940 72
Interest.	778 97		
		Total operating expenses.	\$50,757 87
		Surplus for year from operations.	29,199 99
	<hr/>		<hr/>
	\$79,957 86		\$79,957 86

QUEBEC HARBOUR COMMISSION.

QUEBEC BRIDGE.

The completion of the Quebec bridge over the St. Lawrence river on the 20th September, 1917, was of the utmost importance to the port of Quebec, as it places Quebec and district in direct communication by rail with the south shore of the St. Lawrence and with the United States, and makes it a distributing centre for a number of railways hitherto confined to the south shore; the docks and shipping facilities at Quebec can now be used to better advantage.

CHIEF ENGINEER'S REPORT.

The new frontage on the quay wharf, river St. Charles, has been practically completed, the total frontage in the basin on the north side of the Louise embankment having a depth of 35 feet at low tide, is now 4,250 feet.

A new landing shed, 1,000 feet by 104 feet, on the north face of the Louise embankment will be completed in the early summer of 1918 with 1,000 feet of four-belt dock front grain loading galleries, two feeding two-belt galleries from gain elevator No. 2, and four travelling grain loaders, the contract for another fireproof landing shed 775 feet by 75 feet was awarded last June, the foundations have been completed, and erection of the steel work and installing of machinery will probably be finished during 1918.

A 1,000,000-bushel storage annex to the commissioners' elevator No. 2 has been completed, and a bagging outfit installed in connection with it.

Some 3,400 feet of permanent railway line for serving the north quay front were laid down, and 1,000 feet of track for carrying Gantry cranes.

The dredging consisted chiefly in the grading down to 35 feet at low tide of the basin to the north of the Louise embankment.

All properties of the commission were kept in good repair.

WHARFINGER'S REPORT.

The traffic in connection with the St. Charles locks and wharves was: inward, 323 vessels, 661,332 tons register; outward, 92 vessels, 333,859 tons register; lower port steamers, 96.

Damaged vessels using the dock during the season were: ss. *Korana*, collided with ss. *Royal Transport* off pier No. 1, repaired at shed No. 27, and proceeded to sea; the ss. *Royal Transport*, repaired at Levis dry dock and proceeded to Montreal; the ss. *Kelbergen*, in collision with ss. *Heathcote* off Cape Race, repaired at shed No. 27; the steam barge *Albert Y Gowen*, sunk in the basin, floated, and sent to Levis for repairs.

HARBOUR MASTER'S REPORT.

Port of Quebec—Record of Shipping Arrivals, 1917:—

	Number of Vessels.	Gross Tonnage.
Coasting vessels from seawards	142	126,983
“ “ Montreal and lake boats	229	375,496
Ocean steamships—inwards	152	951,133
“ “ —outwards from Montreal	158	727,262
	681	2,164,874

The unusual large amount of tonnage from Montreal is due to government shipments.

As compared with the season of 1916, when the record was 592 ships—gross tonnage 2,081,198, there is an increase of 89 ships and 83,676 tons.

REVENUE AND EXPENDITURE.

The revenue of the Quebec Harbour Commission for the calendar year 1917 was \$267,812.68, as compared with \$282,327.46 for 1916, a decrease of \$14,514.78; the expenditure for 1917 was \$321,434.76, leaving a deficit on the year's operations of \$53,622.08.

SESSIONAL PAPER No. 21

APPENDIX No. 14.

PORT WARDENS' REPORTS FOR THE YEAR ENDING DECEMBER 31, 1917.

Returns have been received from sixteen port wardens, nine from Nova Scotia, one from New Brunswick, two from Quebec, and four from British Columbia.

The total amount of fees collected by port wardens was \$62,593.85.

A large number of both Canadian and American lake steamers passed out for ocean service before the close of navigation, which was on the 8th of December, 1917; but owing to the severity of the fall weather many lake vessels and overseas trawlers were obliged to winter at Montreal and ports between there and Quebec. The only serious casualty was that of the ss. *Scandinavian*, which struck bottom at Cap à la Roche.

The number of foreign-going steamers which reported at the Montreal Port Warden's office was 510, with total of 1,851,042 tons. The number which reported last year was 558 vessels with total of 1,926,929 tons, a decrease of 48 vessels and 75,887 tons.

Sixty vessels, with total of 44,258 tons, entered from lower ports, and 71 vessels, with a total of 131,736 tons, cleared for lower ports.

The amount of grain shipped was 35,313,955 bushels wheat, 15,062 bushels peas, 2,406,650 bushels barley, 18,126,478 bushels oats, 1,908,220 bushels corn and 344,281 bushels rye.

APPENDIX No. 15.

REPORTS OF SUBSIDIZED WRECKING COMPANIES.

QUEBEC SALVAGE AND WRECKING COMPANY.

Assistance was rendered to vessels as follows: March 19 to April 20, ss. *Carib* (American) towed from Murray bay to Quebec; April 23 to May 3, ss. *Benin* towed from Cape Gaspé to Montreal; May 15 to May 23, ss. *Cape Corso* towed from Cap Chat to Montreal; June 11 to 22, stood by ss. *Royal Transport* in collision until dry-docked; June 21 to July 9, floated ss. *Clematis* ashore off St. Esprit island, and towed her to Halifax; July 1 to 16, stood by ss. *Singapore*, ashore off Little Metis, until dry-docked at Montreal; July 16 to August 7, unsuccessfully tried to get off Norwegian steamer *Kristianiafjord*, ashore at Fresh Water point off cape Race; August 8 to August 29, towed ss. *Frankmere* off southeast point Bryon island and convoyed her to Halifax; August 29 to September 6, ss. *Andgair* ashore off Amherst island, brought off and towed to Halifax; November 26, floated American steamer *Warleader* ashore off Grand Trunk wharf, Quebec; November 24 to December 5, supplied American steamer *Edmonton*, undergoing repairs, with two portable boilers.

BRITISH COLUMBIA SALVAGE COMPANY, LIMITED.

Salvage operations conducted as follows: April 1 to April 23, ss. *Prince Rupert* ashore at Gem island; August 27 to September 8, ss. *Cassiar* ashore at Trivett island; October 21 to 27, ss. *Gray* ashore at Safety cove; November 19 to 27, ss. *Mariposa* ashore at Straits island, Sumner strait; November 28 to December 19, ss. *Spokane* ashore at Idol point; March 10 to March 31, ss. *Admiral Evans* ashore Hawk's inlet, Alaska.

APPENDIX No. 16.

RETURNS OF SHIPPING MASTERS FOR THE YEAR ENDING DECEMBER
31, 1917.

NOTE.—The Collector of Customs acts as shipping master where no other shipping master is appointed.

Province.	Seamen Shipped.	Seamen Discharged.	Amount.
			\$ cts.
Quebec.....	2,971	2,052	2,740 30
New Brunswick.....	817	332	532 50
Nova Scotia.....	7,691	6,537	5,977 70
Prince Edward Island.....	66	44	44 40
British Columbia.....	5,453	5,180	4,311 50
Total.....	16,998	14,145	13,606 40





LIST OF VESSELS

LISTE DES NAVIRES

LIST OF SHIPPING

ISSUED BY THE

DEPARTMENT OF MARINE AND FISHERIES

BEING A

LIST OF VESSELS ON THE REGISTRY BOOKS
OF THE DOMINION OF CANADA

ON THE

31st DECEMBER
1918

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1919

LISTE DES NAVIRES

PUBLIÉ PAR LE

MINISTÈRE DE LA MARINE ET DE PÊCHERIES

OU

LISTE DES NAVIRES INSCRITS SUR LES
REGISTRES MARITIMES
DU CANADA

AU

31 DÉCEMBRE
1918

IMPRIMÉE PAR ORDRE DU PARLEMENT



OTTAWA
J. DE LABROQUERIE TACHÉ
IMPRIMEUR DE SA TRÈS EXCELLENTE MAJESTÉ LE ROI
1919

To Lt.-Col. the Hon. C. C. BALLANTYNE,
Minister of Marine and Fisheries.

SIR,—I have the honour to submit herewith the twenty-eighth List of Shipping issued by this Department.

A. JOHNSTON,
Deputy Minister of Marine and Fisheries.

Department of Marine and Fisheries,
Ottawa, 1918

A l'honorable Lt-Col. C. C. BALLANTYNE,

Ministre de la Marine et des Pêcheries.

MONSIEUR,—J'ai l'honneur de vous soumettre la vingt-huitième liste des navires publiée par ce Département.

A. JOHNSTON,

Sous-ministre de la Marine et des Pêcheries.

Ministre de la Marine et des Pêcheries,
Ottawa, 1918.

RULES OF THE ROAD

FOR

PREVENTING COLLISIONS AT SEA AND ON
THE GREAT LAKES

Issued by the Department of Marine and Fisheries, under the provisions of
Part XIV of the Canada Shipping Act, Chapter 113,
Revised Statutes of Canada, 1906

RÈGLEMENTS

POUR

PRÉVENIR LES ABORDAGES EN MER ET SUR
LES GRANDS LACS

Publiés par le ministère de la Marine et des Pêcheries, en vertu des dispo-
sitions de la partie XIV de la loi de la marine marchande du Canada,
chapitre 113, des Statuts révisés du Canada, 1906

INTERNATIONAL RULES OF THE ROAD

IN FORCE IN ALL NAVIGABLE WATERS WITHIN CANADA OR WITHIN THE JURISDICTION OF THE PARLIAMENT THEREOF, EXCEPT THE WATERS OF LAKES SUPERIOR AND HURON, GEORGIAN BAY, LAKES ERIE AND ONTARIO, THEIR CONNECTING AND TRIBUTARY WATERS, AND THE ST. LAWRENCE RIVER AS FAR EAST AS THE LOWER EXIT OF THE LACHINE CANAL AND THE VICTORIA BRIDGE AT MONTREAL.

ORDERS IN COUNCIL.

AT THE GOVERNMENT HOUSE AT OTTAWA.

TUESDAY, the 9th day of February, 1897.

PRESENT :

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL.

Whereas, by the fourteenth section of the Act intituled "An Act respecting navigation of Canadian Waters", being chapter 79 of the Revised Statutes of Canada, it is enacted, that if Her Majesty, by Order in Council, annuls or modifies any of the regulations for preventing collisions on navigable waters which, by order of Her Majesty in Council of the fourteenth day of August, 1879, were substituted for those theretofore in force for like purposes in the United Kingdom, or makes new regulations in addition thereto, or in substitution therefor, the Governor in Council may from time to time make corresponding changes, as respects Canadian waters, in the regulations contained in the second section of the Act hereinbefore quoted:

And whereas, by an order of Her Majesty in Council, dated the 27th day of November, 1896, the existing regulations for preventing collisions at sea were annulled, and new regulations submitted therefor:

His Excellency, under the provisions of the fourteenth section of the said Act, chapter 79 of the Revised Statutes, and by and with the advice of the Queen's Privy Council for Canada, is pleased to order that the following Rules and Regulations, which are in conformity with the regulations approved by the order of Her Majesty in Council of the 27th of November, 1896, be substituted for the existing second section of the said Act, chapter 79 of the Revised Statutes; and that the said new Rules and Regulations shall come into operation on and from the first day of July, 1897:

And His Excellency doth further order that the Minister of Marine and Fisheries do bring the provisions of the sections thus amended to the notice of the owners and masters of Canadian vessels.

SESSIONAL PAPER No. 22

RÈGLEMENTS INTERNATIONAUX POUR PRÉVENIR LES ABORDAGES

EN VIGUEUR DANS TOUTES LES EAUX NAVIGABLES EN CANADA OU SOUS LA JURIDICTION DU PARLEMENT CANADIEN, SAUF LES EAUX DES LACS SUPÉRIEUR ET HURON, LA BAIE GEORGIENNE, LES LACS ÉRIÉ ET ONTARIO, LEURS EAUX TRIBUTAIRES ET LE FLEUVE SAINT-LAURENT, AUSSI LOIN À L'EST QUE LA SORTIE DU CANAL LACHINE ET LE PONT VICTORIA À MONTRÉAL.

ARRÊTÉS EN CONSEIL.

HÔTEL DU GOUVERNEMENT À OTTAWA.

MARDI, le 9^e jour de février 1897.

PRÉSENT :

SON EXCELLENCE LE GOUVERNEUR GÉNÉRAL EN CONSEIL.

Considérant que par le quatorzième article de l'acte, intitulé " Acte concernant la navigation dans les eaux canadiennes ", étant le chapitre 79 des Statuts révisés du Canada, il est statué que si Sa Majesté, suspend ou annule, par un arrêté en conseil, l'opération de certaines dispositions des règles pour prévenir les abordages sur les eaux navigables, qui, par un arrêté de Sa Majesté en conseil portant la date du quatorzième jour d'août 1879, avaient été substituées à celles jusque-là en vigueur au même effet dans le Royaume-Uni, ou établit de nouvelles règles par voie d'addition ou de substitution aux dites règles, le Gouverneur en conseil pourra, au besoin, faire des changements correspondants, relativement aux eaux canadiennes, aux règles contenues dans l'article deux du présent acte.

Et considérant que par un arrêté de Sa Majesté en conseil, en date du 27^e jour de novembre 1896, les règlements actuels pour prévenir les abordages en mer ont été annulés, et remplacés par de nouveaux règlements,—

Il plaît à Son Excellence, en vertu des dispositions du quatorzième article du dit acte, chapitre 79 des Statuts révisés, et par et avec l'avis du Conseil privé de la Reine pour le Canada, d'ordonner que les règles et règlements suivants, qui sont en conformité des règlements approuvés par l'arrêté de Sa Majesté en conseil du 27 novembre 1896, soient substitués au présent deuxième article dudit acte, chapitre 79 des Statuts révisés; et que les dits nouveaux règlements et règles deviennent en vigueur à compter du premier jour de juillet 1897;

Et Son Excellence ordonne de plus que le ministre de la Marine et des Pêcheries fasse connaître aux propriétaires et capitaines de vaisseaux canadiens les dispositions de l'article qui sont ainsi modifiées.

REGULATIONS FOR PREVENTING COLLISIONS AND FOR DISTRESS SIGNALS.

The following rules with respect to lights for signals, distress signals, steering and sailing, and rafts, shall apply to all rivers, lakes and other navigable waters within Canada, or within the jurisdiction of the Parliament thereof, that is to say:—

Preliminary.

In the following rules every steam vessel which is under sail and not under steam is to be considered a sailing vessel, and every vessel under steam, whether under sail or not, is to be considered a steam vessel.

The word "steam vessel" shall include any vessel propelled by machinery.

A vessel is "under way" within the meaning of these rules, when she is not at anchor, or made fast to the shore or aground.

Rules concerning lights, etc.

The word "visible" in these rules, when applied to lights, shall mean visible on a dark night with clear atmosphere.

ARTICLE 1. The rules concerning lights shall be complied with in all weathers from sunset to sunrise, and during such time no other lights which may be mistaken for the prescribed lights shall be exhibited.

ARTICLE 2. A Steam vessel when under way shall carry:—

(a) On or in front of the foremast, or if a vessel without a foremast, then in the forepart of the vessel, at a height above the hull of not less than 20 feet, and if the breadth of the vessel exceeds 20 feet, then at a height above the hull not less than such breadth, so, however, that the light need not be carried at a greater height above the hull than 40 feet, a bright white light, so constructed as to show an unbroken light over an arc of the horizon of 20 points of the compass, so fixed as to throw the light 10 points on each side of the vessel, viz., from right ahead to 2 points abaft the beam on either side, and of such a character as to be visible at a distance of at least 5 miles.

(b) On the starboard side a green light, so constructed as to show an unbroken light over an arc of the horizon of 10 points of the compass, so fixed as to throw the light from right ahead to 2 points abaft the beam on the starboard side, and of such a character as to be visible at a distance of at least 2 miles.

(c) On the port side, a red light so constructed as to show an unbroken light over an arc of the horizon of 10 points of the compass, so fixed as to throw the light from right ahead to 2 points abaft the beam on the port side, and of such a character as to be visible at a distance of at least 2 miles.

(d) The said green and red side lights shall be fitted with inboard screens projecting at least 3 feet forward from the light, so as to prevent these lights from being seen across the bow.

(e) A steam vessel when under way may carry an additional white light similar in construction to the light mentioned in subdivision (a). These two lights shall be so placed in line with the keel that one shall be at least 15 feet higher than the other, and in such a position with reference to each other that the lower light shall be forward of the upper one. The vertical distance between these lights shall be less than the horizontal distance.

ARTICLE 3. A steam vessel when towing another vessel shall, in addition to her side lights, carry two bright white lights in a vertical line one over the other, not less

SESSIONAL PAPER No. 22

RÈGLEMENTS POUR PRÉVENIR LES ABORDAGES ET CONCERNANT LES SIGNAUX DE DÉTRESSE.

Les règlements suivants concernant les feux, les signaux en temps de brume, les signaux de détresse, la route à tenir, et les trains de bois, s'appliqueront à tous les fleuves, rivières, lacs et autres eaux navigables du Canada, ou tombant sous la juridiction de son parlement, savoir:—

Disposition préliminaire.

Dans les règles qui suivent, tout navire à vapeur, qui ne marche qu'à l'aide de ses voiles est considéré comme un navire à voiles; et tout navire à vapeur dont la machine est en action est considéré comme navire à vapeur, qu'il se serve de ses voiles ou ne s'en serve pas.

L'expression "navire à vapeur" comprend tout navire mû par des machines.

Un navire est en "marche" dans le sens des présents règlements, lorsqu'il n'est pas à l'ancre, ou amarré au rivage ou échoué.

Règle concernant les feux, etc.

L'expression "visible" employée dans les présents règlements, au sujet des feux, signifie visible par une nuit sombre, mais sans brume.

ARTICLE 1. Les règlements concernant les feux seront suivis par tous les temps entre le coucher et le lever du soleil, et durant ce temps il ne sera exhibé aucun autre feu qui pourrait être pris par erreur pour un feu réglementaire.

ARTICLE 2. Un navire à vapeur, lorsqu'il est en marche, portera les feux suivants:—

(a) Sur ou en avant du mât de misaine, ou si c'est un navire sans mât de misaine, alors à l'avant du navire, à une hauteur de pas moins de 20 pieds au-dessus de la coque, et si le navire a plus de 20 pieds de largeur, alors à une hauteur au-dessus de la coque au moins égale à cette largeur, de façon toutefois qu'il ne soit pas besoin de porter le feu à plus de 40 pieds au-dessus de la coque, un feu blanc placé de manière à fournir un rayonnement uniforme et non interrompu dans tout le parcours d'un arc horizontal de 20 quarts de compas,—établi de façon à projeter la lumière de 10 quarts de chaque côté du navire, c'est-à-dire, depuis l'avant jusqu'à 2 quarts en arrière du travers de chaque bord, et d'une portée telle qu'il puisse être visible à 5 milles au moins de distance;

(b) A tribord, un feu vert, établi de façon à projeter une lumière uniforme et non interrompue sur un arc horizontal de 10 quarts de compas,—placé de manière à projeter la lumière depuis l'avant jusqu'à deux quarts sur l'arrière du travers à tribord, et d'une portée telle qu'il puisse être visible à deux milles au moins de distance;

(c) A bâbord, un feu rouge établi de façon à projeter une lumière uniforme et non interrompue sur un arc horizontal de 10 quarts de compas,—placé de manière à projeter la lumière depuis l'avant jusqu'à 2 quarts sur l'arrière du travers à bâbord, et d'une portée telle qu'il puisse être visible à 2 milles au moins de distance;

(d) Ces feux de côté vert et rouge doivent être munis, en dedans du bord, d'écrans dirigés de l'arrière à l'avant et s'étendant à 3 pieds au moins en avant de la lumière, afin que le feu vert ne puisse pas être aperçu de bâbord avant, et le feu rouge de tribord avant;

(e) Un navire à vapeur lorsqu'il est en marche peut porter un feu blanc supplémentaire semblable dans la forme au feu mentionné dans la subdivision (a). Ces deux feux seront placés en ligne avec la quille de telle façon qu'un feu sera au moins 15 pieds plus haut que l'autre, et dans une position telle relativement l'un à l'autre que le feu d'en bas soit en avant de celui d'en haut. La distance verticale entre ces deux feux sera moindre que la distance horizontale.

ARTICLE 3. Un navire à vapeur, lorsqu'il remorque un autre navire, doit, indépendamment de ses feux de côté, porter deux feux blancs placés verticalement l'un au-

than 6 feet apart, and when towing more than one vessel shall carry an additional bright white light 6 feet above or below such lights, if the length of the tow, measuring from the stern of the towing vessel to the stern of the last vessel towed, exceeds 600 feet. Each of these lights shall be of the same construction and character, and shall be carried in the same position as the white light mentioned in article 2 (*a*), except the additional light, which may be carried at a height of not less than 14 feet above the hull.

Such steam vessel may carry a small white light abaft the funnel or aftermast for the vessel towed to steer by, but such light shall not be visible forward of the beam.

ARTICLE 4. (*a*) A vessel which from any accident is not under command shall carry at the same height as the white light mentioned in article 2 (*a*), where they can best be seen, and, if a steam vessel, in lieu of that light, two red lights, in a vertical line one over the other, not less than 6 feet apart, and of such a character as to be visible all round the horizon at a distance of at least 2 miles; and shall by day carry in a vertical line one over the other, not less than 6 feet apart, where they can best be seen, two black balls or shapes each 2 feet in diameter.

(*b*) A vessel employed in laying or in picking up a telegraph cable shall carry in the same position as the white light mentioned in article 2 (*a*), and if a steam vessel, in lieu of that light, three lights in a vertical line one over the other, not less than 6 feet apart. The highest and lowest of these lights shall be red, and the middle light shall be white, and they shall be of such a character as to be visible all round the horizon, at a distance of at least 2 miles. By day she shall carry in a vertical line one over the other, not less than 6 feet apart, where they can best be seen, three shapes not less than 2 feet in diameter, of which the highest and lowest shall be globular in shape and red in colour, and the middle one diamond in shape and white.

(*c*) The vessel referred to in this article when not making way through the water, shall not carry side-lights, but when making way shall carry them.

(*d*) The lights and shapes required to be shown by this article are to be taken by other vessels as signals that the vessel showing them is not under command, and cannot therefore get out of the way.

These signals are not signals of vessels in distress and requiring assistance. Such signals are contained in article 31.

ARTICLE 5. A sailing vessel under way, and any vessel being towed, shall carry the same lights as are prescribed by article 2 for a steam vessel under way, with the exception of the white lights mentioned therein, which they shall never carry.

ARTICLE 6. Whenever, as in the case of small vessels under way during bad weather, the green and red side-lights cannot be fixed, these lights shall be kept at hand lighted and ready for use; and shall, on the approach of or to other vessels, be exhibited on their respective sides in sufficient time to prevent collision in such manner as to make them most visible, and so that the green light shall not be seen on the port side nor the red light on the starboard side, nor, if practicable, more than 2 points abaft the beam on their respective sides.

To make the use of these portable lights more certain and easy, the lanterns containing them shall each be painted outside with the colour of the light they respectively contain, and shall be provided with proper screens.

ARTICLE 7. Steam vessels of less than 40, and vessels under oars or sails of less than 20, tons gross tonnage, respectively, and rowing boats, when under way, shall not be obliged to carry the lights mentioned in article 2 (*a*), (*b*) and (*c*), but if they do not carry them, they shall be provided with the following lights:—

1. Steam vessels of less than 40 tons shall carry:

SESSIONAL PAPER No. 22

dessus de l'autre, à pas moins de 6 pieds de distance, et lorsqu'il remorque plus d'un navire il portera un feu brillant supplémentaire placé 6 pieds au-dessus ou au-dessous desdits feux, si la longueur de la remorque mesurée depuis l'arrière du remorqueur jusqu'à l'arrière du dernier navire remorqué excède 600 pieds. Chacun de ces feux doit être de la même construction et de la même portée et placé dans la même position que le feu blanc mentionné à l'article 2 (a), sauf le feu supplémentaire qui peut être porté à une hauteur d'au moins 14 pieds au-dessus de la coque.

Ce navire à vapeur peut porter un petit feu blanc en arrière de la cheminée ou de l'arrière-mât pour servir de guide au navire remorqué, mais ce feu ne doit pas être visible en avant du bau.

ARTICLE 4 (a). Un navire qui, à raison de quelque accident, n'obéit pas à la manœuvre, portera à la même hauteur que le feu blanc mentionné à l'article 2 (a), à l'endroit le plus visible, et, si c'est un navire à vapeur, au lieu de ce feu, deux feux rouges placés verticalement l'un au-dessus de l'autre à pas moins de 6 pieds de distance, et d'une nature à pouvoir être visibles tout autour de l'horizon à une distance d'au moins 2 milles; et durant le jour il portera placées verticalement l'une au-dessus de l'autre à 6 pieds au moins de distance, là où elles seront le plus visibles, deux boules ou formes noires de 2 pieds de diamètre chacune.

(b) Un navire employé à poser ou relever un câble télégraphique, portera, dans la même position que le feu blanc mentionné à l'article 2 (a), et si c'est un navire à vapeur, à la place de ce feu, trois feux placés verticalement l'un au-dessus de l'autre. Le plus haut et le plus bas de ces feux seront rouges, et celui du milieu sera blanc, et ils seront d'une nature telle à pouvoir être visibles tout autour de l'horizon, à une distance d'au moins deux milles. Le jour il portera sur une ligne verticale et l'une au-dessus de l'autre là où elles seront le plus visibles, trois formes d'au moins 2 pieds de diamètre, dont la plus haute et la plus basse seront rondes et de couleur rouge, et celle du milieu en forme de losange et blanche.

(c) Le navire ci-dessus, lorsqu'il est stationnaire, ne portera pas de feux de côté, mais lorsqu'il sera en marche il devra les porter.

(d) Ces feux et boules mentionnés au présent article seront regardés par les autres navires comme étant un signal que le navire qui les porte n'obéit plus à la manœuvre, et ne peut, par conséquent, s'écarter de leur route.

Ces signaux ne sont pas des signaux de navires en détresse et ayant besoin de secours. De tels signaux sont contenus à l'article 31.

ARTICLE 5. Un navire à voiles en marche, et tout navire à la remorque, doit porter les mêmes feux que ceux prescrits par l'article 2 pour les navires à vapeur en marche, à l'exception des feux blancs, dont il ne doit jamais faire usage.

ARTICLE 6. Lorsqu'un bâtiment à voiles est d'assez faibles dimensions pour que ses feux vert et rouge ne puissent pas être fixés d'une manière permanente, par un mauvais temps, ces feux doivent néanmoins être tenus allumés sur le pont à leurs bords respectifs, et prêts à servir; et ils seront montrés à tout navire dont il s'approchera ou qui s'en approchera, chacun de leur côté, assez à temps pour prévenir l'abordage, de manière qu'ils soient autant en vue que possible, et présentés de telle sorte que le feu vert ne puisse être aperçu du côté de bâbord, ni le feu rouge du côté de tribord, ni, si la chose est praticable, à plus de deux quarts en arrière du travers de leurs bords respectifs.

Pour rendre ces prescriptions d'une application plus certaine et plus facile, les feux seront peints extérieurement de la couleur du feu qu'ils contiennent, et doivent être pourvus d'écrans convenables.

ARTICLE 7. Les navires à vapeur de moins de 40 tonneaux, et les vaisseaux à rames ou à voiles de moins de 20 tonneaux de tonnage brut, respectivement, et les chaloupes à rames, en marche, ne seront pas obligés de porter les feux mentionnés à l'article 2 (a), (b) et (c), mais s'ils ne les portent pas, il seront munis des feux suivants:—

1. Les navires à vapeur jaugeant moins de 40 tonneaux porteront—

(a) In the forepart of the vessel, or on or in front of the funnel, where it can best be seen, and at a height above the gunwale of not less than 9 feet, a bright white light constructed and fixed as prescribed in article 2 (a), and of such a character as to be visible at a distance of at least 2 miles.

(b) Green and red side-lights constructed and fixed as prescribed in article 2 (b) and (c), and of such a character as to be visible at a distance of at least one mile, or a combined lantern showing a green light and a red light from right head to 2 points abaft the beam on their respective sides. Such lantern shall be carried not less than 3 feet below the white light.

2. Small steamboats, such as are carried by sea-going vessels, may carry the white light at a less height than 9 feet above the gunwale, but it shall be carried above the combined lantern, mentioned in subdivision 1 (b).

3. Vessels under oars or sails, of less than 20 tons, shall have ready at hand a lantern with a green glass on one side and a red glass on the other, which, on the approach of or to the other vessels, shall be exhibited in sufficient time to prevent collision, so that the green light shall not be seen on the port side nor the red light on the starboard side.

4. Rowing boats, whether under oars or sail, shall have ready at hand a lantern showing a white light, which shall be temporarily exhibited in sufficient time to prevent collision.

The vessels referred to in this article shall not be obliged to carry the lights prescribed by article 4 (a) and article 11, last paragraph.

ARTICLE 8. Pilot vessels, when engaged on their station on pilotage duty, shall not show the lights required for other vessels, but shall carry a white light at the masthead, visible all round the horizon, and shall also exhibit a flare-up light or flare-up lights at short intervals, which shall never exceed 15 minutes. On the near approach of or to other vessels they shall have their side-lights lighted, ready for use, and shall flash or show them at short intervals, to indicate the direction in which they are heading, but the green light shall not be shown on the port side, nor the red light on the starboard side.

A pilot vessel of such a class as to be obliged to go alongside of a vessel to put a pilot on board, may show a white light instead of carrying it at the masthead, and may, instead of the coloured lights above mentioned, have at hand ready for use a lantern with a green glass on the one side and a red glass on the other, to be used as prescribed above.

Pilot vessels, when not engaged on their station on pilotage duty, shall carry lights similar to those of other vessels of their tonnage.

ARTICLE 9.¹

ARTICLE 10. A vessel which is being overtaken by another shall show from her stern to such last-mentioned vessel a white light or a flare-up light.

The white light required to be shown by this article may be fixed and carried in a lantern, but in such case the lantern shall be so constructed, fitted and screened that it shall throw an unbroken light over an arc of the horizon of 12 points of the compass, viz., for 6 points from right aft on each side of the vessel so as to be visible at a distance of at least one mile. Such light shall be carried as nearly as practicable on the same level as the side-lights.

ARTICLE 11. A vessel under 150 feet in length, when at anchor, shall carry forward where it can best be seen, but at a height not exceeding 20 feet above the hull, a white light in a lantern so constructed as to show a clear, uniform, and unbroken light visible all round the horizon at a distance of at least one mile.

¹Amended by Order in Council of June 28, 1909, (see p. 18).

SESSIONAL PAPER No. 22

(a) A l'avant du navire, ou sur ou en avant de la cheminée, à l'endroit où il sera le plus en vue, et à une hauteur au-dessus du plat-bord d'au moins 9 pieds, un feu brillant blanc construit et fixé tel que prescrit à l'article 2 (a), et de nature à être visible d'une distance d'au moins 2 milles.

(b) Des feux de côté vert et rouge tels que prescrits à l'article 2 (b) et (c), et de nature à être visibles à une distance d'au moins 1 mille, ou un fanal combiné exhibant un feu vert et un feu rouge depuis l'avant jusqu'à deux quarts en arrière du travers de leurs bords respectifs. Ce fanal sera porté à au moins 3 pieds plus bas que le feu blanc.

2. Les petites chaloupes à vapeur que portent les navires de long cours pourront porter le feu blanc à une moindre hauteur que 9 pieds au-dessus du plat-bord, mais il sera porté au-dessus du fanal combiné mentionné au paragraphe 1 (b).

3. Les bâtiments à rames ou à voiles, jaugeant moins de 20 tonneaux tiendront toujours prêt un fanal ayant d'un côté un verre de couleur verte, et de l'autre côté un verre de couleur rouge, et à l'approche d'un autre bâtiment ce fanal sera montré en temps opportun pour prévenir l'abordage, en ayant soin que le feu vert ne puisse être aperçu de bâbord, ni le feu rouge de tribord.

4. Les chaloupes à rames, qu'elles marchent à la rame ou à la voile, tiendront toujours prêt un fanal montrant un feu blanc qui sera temporairement exhibé en temps suffisant pour prévenir l'abordage.

Les vaisseaux mentionnés dans le présent article ne seront pas obligés de porter les feux prescrits par l'article 4 (a) et l'article 11, dernier paragraphe.

ARTICLE 8. Les bateaux-pilotes, lorsqu'ils sont occupés au service du pilotage dans leurs circonscriptions, ne porteront pas les mêmes feux que ceux exigés pour les autres bâtiments, mais ils porteront en tête du mât un feu blanc visible de tous les points de l'horizon, et montreront de plus un feu ou des feux intermittents à de courts intervalles qui ne devront pas être de plus de 15 minutes. A l'approche ou en approchant de tout navire, ils allumeront leurs feux de côtés, prêts à servir, et les exhiberont à de courts intervalles, pour indiquer la direction dans laquelle ils marchent, mais le feu vert ne sera pas montré du côté de bâbord, ni le feu rouge du côté de tribord.

Un bateau-pilote d'une classe qui l'oblige de se rendre le long d'un navire pour mettre un pilote à bord, peut montrer un feu blanc au lieu de le porter en tête du mât, et peut, au lieu des feux de couleur mentionnés ci-dessus, tenir toujours prêt à servir, un fanal ayant un verre vert d'un côté et un verre rouge de l'autre, pour être employé tel que prescrit ci-dessus.

Les bateaux-pilotes qui ne seront pas occupés au service de pilotage dans leurs circonscriptions, porteront des feux semblables à ceux des autres navires de leur tonnage.

ARTICLE 9. (1).

ARTICLE 10. Lorsqu'un navire est prêt d'être atteint par un autre, il doit de sa poupe montrer à ce dernier un feu blanc ou un feu intermittent.

Le feu blanc que le présent article exige de montrer peut être fixé et porté dans un fanal, mais dans ce cas, le fanal sera construit, agencé et muni d'écrans de façon à projeter une lumière non interrompue sur un arc horizontal de 12 quarts de compas, savoir: pour 6 quarts depuis l'avant de chaque côté du vaisseau, et d'une portée telle qu'il puisse être visible à une distance d'au moins un mille. Ce feu sera porté autant que possible sur le même niveau que les feux de côté.

ARTICLE 11. Un navire de moins de 150 pieds de longueur, lorsqu'il est à l'ancre, portera à l'avant, à l'endroit le plus en vue, mais à une hauteur n'excédant pas 20 pieds au-dessus de la coque, un feu blanc dans un fanal construit de façon à projeter une lumière claire, uniforme et non interrompue visible de tous les points de l'horizon à une distance d'au moins 1 mille.

(1) Amendé par Arrêté en Conseil du 28 juin 1909.

A vessel of 150 feet or upwards in length, when at anchor, shall carry in the forward part of the vessel, at a height of not less than 20 and not exceeding 40 feet above the hull, one such light, and at or near the stern of the vessel, and at such a height that it shall be not less than 15 feet lower than the forward light, another such light.

The length of a vessel shall be deemed to be the length appearing in her certificate of registry.

A vessel aground in or near a fairway shall carry the above light or lights, and the two red lights prescribed by article 4 (a).

ARTICLE 12. Every vessel may, if necessary in order to attract attention, in addition to the lights which she is by these rules required to carry, show a flare-up light or use any detonating signal that cannot be mistaken for a distress signal.

ARTICLE 13. Nothing in these rules shall interfere with the operation of any special rules made by the Government of any nation with respect to additional station and signal lights for two or more ships of war or for vessels sailing under convoy, or with the exhibition of recognition signals adopted by ship-owners, which have been authorized by their respective governments and duly registered and published.

ARTICLE 14. A steam vessel proceeding under sail only, but having her funnel up, shall carry in daytime forward, where it can best be seen, one black ball or shape 2 feet in diameter.

Sound signals for fog, etc.

ARTICLE 15. All signals prescribed by this article for vessels under way shall be given:

1. By "steam vessels," on the whistle or siren.
2. By "sailing vessels and vessels towed," on the fog horn.

The words "prolonged blast" used in this article shall mean a blast of from 4 to 6 seconds' duration.

A steam vessel shall be provided with an efficient whistle or siren, sounded by steam or some substitute for steam, so placed that the sound may not be intercepted by any obstruction, and with an efficient fog horn, to be sounded by mechanical means, and also with an efficient bell.* A sailing vessel of 20 tons gross tonnage or upwards shall be provided with a similar fog horn and bell. In fog, mist, falling snow, or heavy rainstorms, whether by day or night, the signals described in this article shall be used as follows, viz.:—

(a) A steam vessel having way upon her, shall sound, at intervals of not more than 2 minutes, a prolonged blast.

(b) A steam vessel under way, but stopped and having no way upon her, shall sound at intervals of not more than 2 minutes, two prolonged blasts, with an interval of about one second between them.

(c) A sailing vessel under way shall sound, at intervals of not more than one minute, when on the starboard tack one blast, when on the port tack two blasts in succession, and when with the wind abaft the beam three blasts in succession.

(d) A vessel when at anchor, shall, at intervals of not more than one minute, ring the bell rapidly for about 5 seconds.

(e) A vessel, when towing, a vessel employed in laying or in picking up a telegraph cable, and a vessel under way, which is unable to get out of the way of an approaching vessel through being not under command, or unable to manœuvre as required by these

* In all cases where the Rules require a bell to be used a drum may be substituted on board Turkish vessels, or a gong where such articles are used on board small sea-going vessels.

SESSIONAL PAPER No. 22

Un navire de 150 pieds ou plus de longueur, lorsqu'il est à l'ancre, portera à l'avant, à une hauteur d'au moins 20 et ne dépassant pas 40 pieds au-dessus de la coque, un semblable feu; et à la poupe ou près de la poupe, et à une hauteur qui ne sera pas moins que 15 pieds plus bas que le feu d'avant, un autre feu semblable.

La longueur du navire sera censée être celle indiquée sur son certificat d'émargement.

Un navire échoué dans ou près d'une passe, portera le feu ou les feux ci-dessus, et les deux feux rouges prescrits par l'article 4 (a).

ARTICLE 12. Chaque navire peut, si c'est nécessaire, pour attirer l'attention, en sus des feux que les présents règlements l'obligent de porter, montrer un feu intermittent, ou employer tout signal résonnant qui ne peut être pris erronément pour un signal de détresse.

ARTICLE 13. Rien de contenu dans les présents règlements n'interviendra dans l'opération de toutes règles spéciales établies par le gouvernement d'une nation quelconque au sujet de feux supplémentaires de station et de signal pour deux navires de guerre ou plus, ou pour des vaisseaux à voiles naviguant de conserve, ou dans les signaux particuliers adoptés par les propriétaires de navires et qui sont autorisés par leurs gouvernements respectifs et dûment enregistrés et publiés.

ARTICLE 14. Un navire à vapeur marchant à la voile seulement, mais ayant sa cheminée debout, portera à l'avant, pendant le jour, à l'endroit le plus en vue, une boule ou forme noire de 2 pieds de diamètre.

Signaux phoniques pour temps de brume, etc.

ARTICLE 15. Tous les signaux prescrits par le présent article pour les navires en marche, seront donnés—

1. Par les "navires à vapeur" par le sifflet ou la sirène;

2. Par les "navires à voiles et les navires remorqués" par le cornet de brume.

Les mots "coup prolongé" employés dans le présent article signifient un coup de 4 à 6 secondes.

Un navire à vapeur doit être pourvu d'un sifflet à vapeur ou de quelque autre moyen efficace de faire entendre un signal produit par la vapeur ou quelque substitut à la vapeur, lequel sera placé de manière à ce que le son ne puisse être intercepté par aucune obstruction et d'un cor de brume actionné par un appareil mécanique, et aussi d'une forte cloche; un navire à voiles d'un tonnage brut de 20 tonneaux ou plus doit être pourvu d'un fort cornet actionné par un sifflet ou autre appareil mécanique, et aussi d'une forte cloche; en temps de brume, de brouillard ou de neige, soit de jour, soit de nuit, les navires feront usage des signaux décrits dans le présent article, comme suit, savoir:—

(a) Un navire à vapeur en marche donnera, à des intervalles de pas plus de 2 minutes, un coup prolongé;

(b) Un navire à vapeur en marche, mais arrêté et sans mouvement, sonnera à des intervalles de deux minutes au plus, 2 coups prolongés, avec un intervalle d'environ une seconde entre chacun;

(c) Un navire à voiles en marche donnera, au moyen de son cornet, à des intervalles de pas plus d'une minute, s'il est amuré sur tribord, un coup, s'il est amuré sur bâbord, deux coups de suite, et s'il est vent arrière, trois coups de suite;

(d) Un navire à l'ancre, à des intervalles de pas plus d'une minute, sonnera rapidement la cloche pendant à peu près cinq secondes.

(e) Un navire qui en remorque un autre employé à poser ou relever un câble télégraphique, et un navire en marche, qui est incapable de s'écarter du chemin d'un navire qui approche parce qu'il n'obéit pas à la manœuvre, ou qu'il est incapable de manœuvrer tel que requis par les présents règlements, sonnera, au lieu des signaux

rules shall, instead of the signals prescribed in subdivisions (a) and (c) of this article, at intervals of not more than 2 minutes, sound three blasts in succession, viz.: one prolonged blast, followed by two short blasts. A vessel towed may give this signal and she shall not give any other.

Sailing vessels and boats of less than 20 tons gross tonnage shall not be obliged to give the above mentioned signals, but if they do not, they shall make some other efficient sound-signal at intervals of not more than one minute.

Speed of ships to be moderate in fog, etc.

ARTICLE 16. Every vessel shall, in a fog, mist, falling snow, or heavy rainstorms, go at moderate speed, having careful regard to the existing circumstances and conditions.

A steam vessel bearing, apparently forward of her beam, the fog-signal of a vessel the position of which is not ascertained, shall, so far as the circumstances of the case admit, stop her engines, and then navigate with caution until danger of collision is over.

STEERING AND SAILING RULES.

Preliminary—Risk of collision.

Risk of collision can, when circumstances permit, be ascertained by carefully watching the compass bearing of an approaching vessel. If the bearing does not appreciably change, such risk shall be deemed to exist.

ARTICLE 17. When two sailing vessels are approaching one another so as to involve risk of collision, one of them shall keep out of the way of the other, as follows, viz. :—

(a) A vessel which is running free shall keep out of the way of a vessel which is close hauled.

(b) A vessel which is close hauled on the port tack shall keep out of the way of a vessel which is close hauled on the starboard tack.

(c) When both are running free, with the wind on different sides, the vessel which has the wind on the port side shall keep out of the way of the other.

(d) When both are running free, with the wind on the same side, the vessel which is to the windward shall keep out of the way of the vessel which is to leeward.

(e) A vessel which has the wind aft shall keep out of the way of the other vessel.

ARTICLE 18. When two steam vessels are meeting end on, or nearly end on, so as to involve risks of collision, each shall alter her course to starboard so that each may pass on the port side of the other.

This article only applies to cases where vessels are meeting end on, or nearly end on, in such a manner as to involve risk of collision, and does not apply to two vessels which must, if both keep on their respective courses, pass clear of each other.

The only cases to which it does apply are when each of the two vessels is end on, or nearly end on, to the other; in other words, to cases in which, by day, each vessel sees the masts of the other in a line, or nearly in a line, with her own; and, by night, to cases in which each vessel is in such a position as to see both the side-lights of the other.

It does not apply, by day, to cases in which a vessel sees another ahead crossing her own course; or by night, to cases where the red light of one vessel is opposed to the red light of the other, or where the green light of one vessel is opposed to the green

NOTE.—When, in consequence of thick weather or other causes, such vessel finds herself so close that collision cannot be avoided by the action of the giving-way vessel alone, she also shall take such action as will best aid to avert collision.

(See articles 27 and 29.)

SESSIONAL PAPER No. 22

prescrits dans les subdivisions (a) et (c) du présent article, à des intervalles de pas plus de 2 minutes, sonnera trois coups successifs, savoir: un coup prolongé suivi de deux coups brefs. Un navire remorqué peut donner ce signal et n'en donnera pas d'autre.

Les navires à voiles et les bateaux jaugeant moins que 20 tonneaux de tonnage brut, ne seront pas obligés de donner les signaux ci-dessus mentionnés, mais s'ils ne le font pas, ils donneront quelque autre signal sonore à des intervalles de pas plus d'une minute.

En temps de brume la vitesse des navires sera modérée, etc.

ARTICLE 16. Tout navire doit, en temps de brume, de brouillard, de neige, ou de pluie, aller à une vitesse modérée, tenant compte des circonstances et conditions du moment.

Un navire à vapeur qui entend, apparemment en avant de son travers, le signal de brume d'un vaisseau dont la position est incertaine, doit, selon les circonstances, arrêter ses machines, et ensuite naviguer avec prudence jusqu'à ce que tout danger d'abordage soit passé.

RÈGLES DE NAVIGATION POUR PRÉVENIR LES ABORDAGES.

Notions préliminaires—Risques d'abordage.

On peut s'assurer des risques d'abordage, lorsque les circonstances le permettent, en guettant soigneusement l'orientation d'un navire qui approche. Si l'orientation ne change pas sensiblement, ce risque est censé exister.

ARTICLE 17. Lorsque deux navires à voiles s'approchent l'un de l'autre de manière qu'il y ait risque d'abordage, l'un d'eux doit s'écarter du chemin de l'autre comme il suit, savoir:—

(a) Celui qui a du large doit s'écarter de la route du navire naviguant au plus près.

(b) Celui qui est au plus près et a les amures à bâbord, doit s'écarter de la route du navire au plus près dont les amures sont à tribord.

(c) Si deux courent large et ont le vent de côtés différents celui qui a le vent à bâbord doit s'écarter de la route de l'autre;

(d) Si tous deux courent large et ont le vent du même bord, celui qui est au vent doit se tenir hors de la route de celui qui est sous le vent;

(e) Celui qui est vent arrière doit s'écarter de la route de l'autre navire.

ARTICLE 18. Si deux navires sous vapeur se rencontrent courant l'un vers l'autre, directement ou à peu près, et qu'il y ait risque d'abordage, tous deux doivent venir sur tribord pour passer à bâbord l'un de l'autre.

Cet article ne s'applique que dans les cas où les navires courent l'un vers l'autre, directement ou à peu près, et où il y a risque d'abordage, mais ne s'applique pas à deux navires qui doivent, en conservant chacun leur allure, s'éviter l'un l'autre;

Les seuls cas auxquels il s'applique sont lorsque chacun des deux navires court vers l'autre, directement ou à peu près, ou, en d'autres termes, lorsque, de jour, chaque navire voit les mâts de l'autre en ligne droite, ou à peu près, avec les siens propres; et, de nuit, lorsque chaque navire est dans une position telle qu'il peut voir les deux feux de côté de l'autre;

Il ne s'applique pas lorsque, de jour, un navire en voit un autre croiser sa route en avant, ou, de nuit, lorsque le feu rouge d'un navire est opposé au feu rouge de

NOTE.—Si, en raison de gros temps ou autres causes, ce navire se trouve tellement rapproché que l'abordage ne peut être évité par la seule action du navire qui cède la route, alors il agira de la meilleure manière possible pour éviter l'abordage.

(Voir articles 27 et 29.)

light of the other, or where a red light without a green light, or a green light without a red light is seen ahead, or where both green and red lights are seen anywhere but ahead.

ARTICLE 19. When two steam vessels are crossing so as to involve risk of collision, the vessel which has the other on her own starboard side shall keep out of the way of the other.

ARTICLE 20. When a steam vessel and a sailing vessel are proceeding in such directions as to involve risk of collision, the steam vessel shall keep out of the way of the sailing vessel.

ARTICLE 21. Where by any of these rules one or two vessels is to keep out of the way, the other shall keep her course and speed.

ARTICLE 22. Every vessel which is directed by these rules to keep out of the way of another vessel shall, if the circumstances of the case admit, avoid crossing ahead of the other.

ARTICLE 23. Every steam vessel which is directed by these rules to keep out of the way of another vessel shall, on approaching her, if necessary, slacken her speed or stop or reverse.

ARTICLE 24. Notwithstanding anything, contained in these rules, every vessel, overtaking any other, shall keep out of the way of the overtaken vessel.

Every vessel coming up with another vessel from any direction more than 2 points abaft her beam, i.e., in such a position, in reference to the vessel which she is overtaking, that at night she would be unable to see either of that vessel's side-lights, shall be deemed to be an overtaking vessel; and no subsequent alteration of the bearing between the two vessels shall make the overtaking vessel a crossing vessel within the meaning of these rules, or relieve her of the duty of keeping clear of the overtaken vessel until she is finally past and clear.

As by day the overtaking vessel cannot always know with certainty whether she is forward of or abaft this direction from the other vessel, she should, if in doubt, assume that she is an overtaking vessel and keep out of the way.

ARTICLE 25. In narrow channels every steam vessel shall, when it is safe and practicable, keep to that side of the fairway or mid-channel which lies on the starboard side of such vessel.

ARTICLE 26. Sailing vessels under way shall keep out of the way of sailing vessels or boats fishing with nets, or lines, or trawls. This rule shall not give to any vessel or boat engaged in fishing the right of obstructing a fairway used by vessels other than fishing vessels or boats.

ARTICLE 27. In obeying and construing these rules, due regard shall be had to all dangers of navigation and collision, and to any special circumstances which may render a departure from the above rules necessary in order to avoid immediate danger.

Sound signals for vessels in sight of one another.

ARTICLE 28. The words "short blast" used in this article shall mean a blast of about one second's duration.

When vessels are in sight of one another, a steam vessel under way, in taking any course authorized or required by these rules, shall indicate that course by the following signals on her whistle or siren, viz.:—

One short blast to mean: "I am directing my course to starboard."

Two short blasts to mean: "I am directing my course to port."

Three short blasts to mean: "My engines are going full speed astern."

SESSIONAL PAPER No. 22

L'autre, ou lorsque le feu vert de l'un est opposé au feu vert de l'autre, ou lorsque l'un d'eux voit en avant un feu rouge sans voir le feu vert, ou un feu vert sans voir le feu rouge, ni lorsque les deux feux verts et rouges sont visibles partout ailleurs qu'en avant.

ARTICLE 19. Si deux navires sous vapeur font des routes qui se croisent et les exposent à s'aborder, celui qui voit l'autre par tribord doit manœuvrer de manière à ne pas gêner la route de ce dernier.

ARTICLE 20. Si deux navires, l'un à voiles, l'autre sous vapeur, font des routes qui les exposent à s'aborder, le navire sous vapeur doit manœuvrer de manière à ne pas gêner la route du navire à voiles.

ARTICLE 21. Lorsque, d'après les règles qui précèdent, l'un des deux navires doit s'écarter de la route de l'autre, celui-ci poursuivra sa route sans ralentir sa vitesse.

ARTICLE 22. Tout navire qui, d'après les présents, doit céder la route à un autre navire, doit, si les circonstances le permettent, éviter de croiser la route de l'autre.

ARTICLE 23. Tout navire à vapeur qui, d'après les présents règlements, doit céder la route à un autre navire, doit en l'approchant, si c'est nécessaire, ralentir sa vitesse, ou stopper ou faire machine en arrière.

ARTICLE 24. Nonobstant tout ce qui est contenu aux présents règlements, chaque navire qui en atteint un autre, doit s'écarter du navire atteint.

Chaque navire atteignant un autre navire d'une direction quelconque plus que deux quarts en arrière de son travers, *i.e.*, dans une position telle, relativement au navire atteint, que pendant la nuit le premier navire serait incapable de voir aucun des feux de côté du dernier navire, sera censé être un navire atteignant, et nul changement subséquent dans l'orientation entre les deux navires ne rendra un navire atteignant un navire croisant dans le sens des présents règlements, ni ne l'exemptera du devoir de s'écarter de la route du navire atteint, tant que le premier ne sera pas passé et libre.

Vu que pendant le jour le navire atteignant ne peut pas toujours savoir avec certitude s'il est en avant ou en arrière de cette direction d'après l'autre navire, il doit, dans le doute, présumer qu'il est un navire atteignant, et s'écarter de la route.

ARTICLE 25. Dans les passages ou chenaux étroits, tout navire à vapeur doit, si la chose est sûre et praticable, se tenir du côté du passage ou du milieu du chenal qui se trouve à tribord de ce navire.

ARTICLE 26. Les bâtiments à voiles en marche s'écarteront de la route des vaisseaux ou bateaux à voiles pêchant avec des rets, ou des lignes, ou des lignes dormantes. Cette présente règle ne donnera pas à tout vaisseau ou bateau engagé à pêcher, le droit d'obstruer un passage fréquenté par d'autres vaisseaux que des vaisseaux ou bateaux de pêche.

ARTICLE 27. En se conformant aux règles qui précèdent et les interprétant, il faut tenir compte de tous les dangers de la navigation, et avoir égard à toutes les circonstances particulières qui peuvent rendre nécessaire une dérogation à ces règles, afin de parer à un péril immédiat.

Signaux par sons pour les navires en vue l'un de l'autre.

ARTICLE 28. Les mots "coup bref" employés dans le présent article, signifient un coup d'environ une seconde.

Lorsque des navires sont en vue les uns des autres, un navire à vapeur en marche, en prenant toute direction autorisée ou requise par les présents règlements, indiquera cette direction au moyen des signaux suivants, sur sifflet ou sirène, savoir:—

Un coup bref signifie: "Je me dirige à tribord."

Deux coups brefs signifient: "Je me dirige à bâbord."

Trois coups brefs signifient: "Je recule à toute vitesse."

No vessel under any circumstances to neglect proper precautions.

ARTICLE 29. Nothing in these rules shall exonerate any vessel, or the owner, or master, or crew thereof, from the consequences of any neglect to carry lights or signals, or of any neglect to keep a proper look-out, or of the neglect of any precaution which may be required by the ordinary practice of seamen, or by the special circumstances of the case.

Reservation of rules for harbours and inland navigation.

ARTICLE 30. Nothing in these rules shall interfere with the operation of a special rule, duly made by local authority, relative to the navigation of any harbour, river, or inland waters.

Distress signals.

ARTICLE 31. When a vessel is in distress and requires assistance from other vessels or from the shore, the following shall be the signal to be used or displayed by her, either together or separately, viz. :—

In daytime—

1. A gun or other explosive signal fired at intervals of about a minute;
2. The International Code signal of distress indicated by N.C.;
3. The distant signal, consisting of a square flag, having either above or below it a ball or anything resembling a ball;
4. A continuous sounding with any fog-signal apparatus.

At night—

1. A gun or other explosive signal fired at intervals of about a minute;
2. Flames on the vessel (as from a burning tar-barrel, oil-barrel, etc.);
3. Rockets or shells, throwing stars of any colour or description, fired one at a time, at short intervals;
4. A continuous sounding with any fog-signal apparatus.

Rafts and Harbour of Sorel.

ARTICLE 32. Rafts, while drifting or at anchor on any of the waters of Canada, shall have a bright fire kept burning on them from sunset to sunrise. Whenever any raft is going in the same direction as another which is ahead, the one shall be so navigated as not to come within 20 yards of the other, and every vessel meeting or overtaking a raft shall keep out of the way thereof.

Rafts shall be so navigated and anchored as not to cause any unnecessary impediment or obstruction to vessels navigating the same waters.

ARTICLE 33. Unless it is otherwise directed by the Harbour Commissioners of Montreal, ships and vessels entering or leaving the harbour of Sorel shall take the port side, anything in the preceding articles to the contrary notwithstanding.

ARTICLE 34. The rules of navigation contained in articles 32 and 33 shall be subject to the provisions contained in articles 27 and 29.

JOHN J. MCGEE,
Clerk of the Privy Council.

SESSIONAL PAPER No. 22

Nul navire ne doit, sous aucun prétexte, négliger les précautions nécessaires.

ARTICLE 29. Rien dans ces règles ne saurait affranchir un navire, quel qu'il soit, son propriétaire, son capitaine ou son équipage, des conséquences d'une omission de porter des feux ou signaux, d'un défaut de surveillance convenable, ou enfin d'une négligence quelconque des précautions commandées par la pratique ordinaire de la navigation ou par les circonstances particulières de la situation.

Réserve à l'égard des règles pour les ports et la navigation intérieure.

ARTICLE 30. Rien dans ces règles n'entravera l'opération d'une règle spéciale, régulièrement établie par une autorité locale, au sujet de la navigation d'un port, d'un fleuve, d'une rivière, ou d'eux intérieures.

Signaux de détresse.

ARTICLE 31. Lorsqu'un navire est en détresse et a besoin du secours d'autres navires, ou de la terre, les signaux suivants seront employés et déployés par ce navire, soit ensemble soit séparément, savoir:—

Pendant le jour:—

1. Un canon ou autre signal explosif, tiré à des intervalles d'environ une minute;
2. Le signal de détresse indiqué par N.C. dans le Code international de signaux;
3. Le signal éloigné, composé d'un pavillon carré, ayant, soit en haut ou en bas, une boule ou quelque chose ressemblant à une boule;
4. Un son continu produit par un appareil de signal de brume.

Pendant la nuit:—

1. Un canon ou autre signal explosif tiré à des intervalles d'environ une minute;
2. Des flammes sur le navire (telles que produites par des barils de goudron, ou d'huile, etc.);
3. Des fusées ou obus, jetant des étoiles de toute couleur ou description, tirés un à la fois, à de courts intervalles;
4. Un son continu par un appareil de signal de brume.

Trains de bois—Port de Sorel.

ARTICLE 32. Les trains de bois en dérive ou à l'ancre dans les eaux du Canada doivent tenir allumé un feu brillant depuis le coucher jusqu'au lever du soleil; tout train de bois qui suit la même route qu'un autre qui le précède doit naviguer de manière à se tenir à vingt verges de distance de l'autre, et tout bâtiment qui rencontre ou passe un train de bois doit manœuvrer de manière à ne pas gêner la route de ce train de bois.

Les trains de bois doivent naviguer et mouiller de manière à ne pas gêner inutilement la route des navires qui fréquentent les mêmes eaux.

ARTICLE 33. A moins qu'il n'en soit autrement ordonné par les Commissaires du Havre de Montréal, les navires et bâtiments entrant dans le port de Sorel ou en sortant, doivent naviguer à bâbord, nonobstant tout article ci-dessus à ce contraire.

ARTICLE 34. Les règles de navigation exprimées dans les articles 32 et 33 sont sujettes aux dispositions contenues dans les articles 27 et 29.

JOHN J. MCGEE,
Greffier du Conseil privé.

AT THE GOVERNMENT HOUSE AT OTTAWA.

MONDAY, the 28th day of June, 1909.

PRESENT:

HIS EXCELLENCY THE ADMINISTRATOR IN COUNCIL.

Whereas by an order of His Majesty in Council, dated the 4th day of April, 1906, His Majesty was pleased to amend article 9, regarding lights and signals of fishing vessels and boats, of the regulations for the prevention of collisions at sea and as to signals of distress;

And whereas, it is desirable that such provisions of the said article 9 as are applicable should be incorporated in the regulations for preventing collisions in Canadian waters;

Therefore His Excellency in Council is pleased, under the provisions of Part XIV of the Canada Shipping Act, chapter 113, Revised Statutes of Canada, 1906, to order and direct that article number 9 of the regulations for preventing collisions, as established by Order in Council of the 9th day of February, 1897, shall be and the same is hereby rescinded, and the annexed article number 9, containing those provisions of the Imperial regulations in that regard as are applicable to Canadian waters, substituted therefor;

And His Excellency in Council is further pleased to order and declare, with a view to removing any doubt as to the waters in which the regulations for preventing collisions and as to signals of distress, annexed to the Order in Council of the 9th February, 1897, and as herein amended are in operation, that the said regulations shall apply to all the navigable waters within Canada or within the jurisdiction of the Parliament thereof, except the waters of Lakes Superior and Huron, Georgian bay, Lakes Erie and Ontario, their connecting and tributary waters, and the St. Lawrence river as far east as the lower exit of the Lachine canal and the Victoria bridge at Montreal.

RODOLPHE BOUDREAU,

Clerk of the Privy Council.

REGULATIONS FOR PREVENTING COLLISIONS OF SHIPS.

ARTICLE 9. Fishing vessels and fishing boats, when under way and when not required by this article to carry or show the lights hereinafter specified shall carry or show the lights prescribed for vessels of their tonnage under way.

(a) Open boats, by which it is to be understood boats not protected from the entry of sea water by means of a continuous deck, when engaged in any fishing at night with outlying tackle extending not more than 150 feet horizontally from the boat into the seaway, shall carry one all-round white light.

Open boats when fishing at night, with outlying tackle extending more than 150 feet horizontally from the boat into the seaway, shall carry one all-round white light, and in addition, on approaching or being approached by other vessels, shall show a second white light at least 3 feet below the first light and at a horizontal distance of at least 5 feet away from it in the direction in which the outlying tackle is attached.

(b) Vessels and boats, except open boats as defined in subdivision (a), when fishing with drift-nets, shall, so long as the nets are wholly or partly in the water, carry two white lights where they can best be seen. Such lights shall be placed so

SESSIONAL PAPER No. 22

HÔTEL DU GOUVERNEMENT À OTTAWA.

LUNDI, le 28^e jour de juin 1909.

PRÉSENT :

SON EXCELLENCE L'ADMINISTRATEUR EN CONSEIL.

Attendu que par un arrêté de Sa Majesté en conseil daté le 4^e jour d'avril 1906, il a plu à Sa Majesté de modifier l'article 9 relatif aux feux et signaux que doivent porter les vaisseaux et bateaux de pêche, des règlements établis pour prévenir les abordages en mer et concernant les signaux de détresse;

Et attendu qu'il est opportun que les dites dispositions du dit article 9 qui sont applicables soient incorporées dans les règlements pour prévenir les abordages dans les eaux canadiennes,—

A ces causes, il plaît à Son Excellence en conseil, en vertu des dispositions de la partie XIV de la loi de la marine marchande au Canada, chapitre 113 des Statuts révisés du Canada, 1906, de décréter et ordonner que l'article 9 des règlements pour prévenir les abordages en mer, tels qu'établis par arrêté en conseil du 9 février 1897, soit et il est par le présent rescindé, et il est remplacé par l'article 9 ci-annexé, contenant les dispositions des règlements impériaux à ce sujet qui sont applicables aux eaux canadiennes;

Il plaît en outre à Son Excellence en conseil de décréter et déclarer, dans le but de lever tout doute quant aux eaux dans lesquelles sont en vigueur les règlements pour prévenir les abordages et concernant les signaux de détresse, annexés à l'arrêté en conseil du 9 février 1897, que les dits règlements s'appliquent à toutes les eaux navigables en Canada ou sous la juridiction du parlement canadien, sauf les eaux des lacs Supérieur et Huron, la baie Georgienne, les lacs Érié et Ontario, leurs eaux tributaires, et le fleuve Saint-Laurent aussi loin à l'est que la sortie du canalachine et le pont Victoria, à Montréal.

RODOLPHE BOUDREAU,

*Greffier du Conseil privé.***RÈGLEMENTS POUR PRÉVENIR LES ABORDAGES DES NAVIRES.**

ARTICLE 9. Les vaisseaux de pêche et bateaux de pêche, lorsqu'ils sont en marche, et qu'ils ne sont pas obligés par le présent article de porter ou montrer les feux ci-après spécifiés, porteront ou montreront les feux prescrits pour les vaisseaux de leur tonnage en marche.

(a) Les bateaux non pontés, par lesquels on entend les bateaux qui ne sont pas protégés contre l'entrée de l'eau au moyen d'un pont continu, lorsque la nuit ils sont occupés à pêcher avec des engins tendus à pas plus de 150 pieds horizontalement en mer, porteront un feu blanc visible de tous les points de l'horizon.

Les bateaux non pontés, lorsque la nuit ils pêchent avec des engins tendus à plus de 150 pieds horizontalement en mer, porteront un feu blanc visible de tous les points de l'horizon, et de plus, en approchant d'autres vaisseaux, ou que d'autres vaisseaux s'en approchent, montreront un deuxième feu blanc placé au moins 3 pieds plus bas que le premier feu, et à une distance horizontale d'au moins 5 pieds dans la direction dans laquelle est attaché l'engin de pêche tendu.

(b) Les vaisseaux et bateaux, sauf les bateaux non pontés définis à la subdivision (a), pêchant aux filets traïnants, porteront, tant que les filets sont complètement ou partiellement dans l'eau, deux feux blancs, là où ils peuvent être le mieux vus. Ces feux doivent être placés de manière que la distance verticale entre eux ne soit pas de

that the vertical distance between them shall be not less than 6 feet and not more than 15 feet, and so that the horizontal distance between them, measured in a line with the keel, shall be not less than 5 feet and not more than 10 feet. The lower of these two lights shall be in the direction of the nets, and both of them shall be of such a character as to show all round the horizon, and to be visible at a distance of not less than 3 miles.

(c) Vessels and boats, except boats as defined in subdivision (a), when line-fishing, with their lines out and attached to or hauling their lines, and when not at anchor or stationary, within the meaning of subdivision (g), shall carry the same lights as vessels fishing with drift-nets. When shooting lines or fishing with towing lines, they shall carry the lights prescribed for a steam or sailing vessel under way, respectively.

(d) Oyster dredges and other vessels fishing with dredge nets, shall—

1. If steam vessels, carry in the same position as the white light mentioned in article 2 (a), a tri-coloured lantern so constructed and fixed as to show a white light from right ahead to 2 points on each bow, and a green light and a red light over an arc of the horizon from 2 points on each bow to 2 points abaft the beam on the star-board and port sides, respectively; and not less than 6 nor more than 12 feet below the tri-coloured lantern a white light in a lantern, so constructed as to show a clear uniform and unbroken light all round the horizon.

2. If sailing vessels, shall carry a white light in a lantern, so constructed as to show a clear uniform and unbroken light all round the horizon, and shall also, on the approach of or to other vessels, show where it can best be seen a white flare-up light or torch in sufficient time to prevent collision.

All lights mentioned in subdivision (d) 1 and 2 shall be visible at a distance of at least 2 miles.

(e) Fishing vessels and fishing boats may at any time use a flare-up light in addition to the lights which they are by this article required to carry and show, and they may also use working lights.

(f) Every fishing vessel and every fishing boat under 150 feet in length, when at anchor, shall exhibit a white light visible all round the horizon at a distance of at least one mile.

Every fishing vessel of 150 feet in length or upwards, when at anchor, shall exhibit a white light visible all round the horizon at a distance of at least one mile, and shall exhibit a second light as provided for vessels of such length by article 11.

Should any such vessel, whether under 150 feet in length or of 150 feet in length or upwards, be attached to a net or other fishing gear, she shall on the approach of other vessels show an additional white light at least 3 feet below the anchor light, and at a horizontal distance of at least 5 feet away from it in the direction of the net or gear.

(g) If a vessel or boat when fishing becomes stationary in consequence of her gear getting fast to a rock or other obstruction, she shall in daytime haul down the day signal required by subdivision (i); at night show the light or lights prescribed for a vessel at anchor; and during fog, mist, falling snow, or heavy rainstorms, make the signal prescribed for a vessel at anchor. (See the last paragraph of article 15.)

(h) In fog, mist, falling snow, or heavy rainstorms, drift-net vessels attached to their nets, and vessels when dredging, or when line-fishing with their lines out, shall, if of 20 tons gross tonnage or upwards, respectively, at intervals of not more than one minute, make a blast; if steam vessels with the whistle or siren, and if sailing vessels, with the fog-horn; each blast to be followed by ringing the bell. Fishing vessels and

SESSIONAL PAPER No. 22

moins de 6 pieds ni de plus de 15 pieds, et de manière que la distance horizontale qui les sépare, mesurée en ligne avec la quille du navire, ne soit pas de moins de 5 pieds ni de plus de 10 pieds. Le plus bas de ces deux feux sera dans la direction des filets, et tous les deux doivent avoir une portée telle et placés dans des fanaux d'une construction telle qu'ils soient visibles de tous les points de l'horizon à une distance d'au moins 3 milles.

(c) Les vaisseaux et bateaux, sauf les bateaux non pontés tels que définis à la subdivision (a), pêchant à la ligne avec leurs lignes tendues et attachés à leurs lignes ou les retirant, et lorsqu'ils ne sont pas ancrés ou stationnaires dans le sens de la subdivision (g), porteront les mêmes feux que les vaisseaux pêchant aux filets traînants. Lorsqu'ils jettent leurs lignes ou pêchent avec des lignes traînantes, ils porteront les feux prescrits pour les vaisseaux à vapeur ou à voiles en marche respectivement.

(d) Les dragues aux huîtres et autres vaisseaux pêchant à la drague—

1. S'ils sont à vapeur, porteront dans la même position que le feu blanc mentionné à l'article 2 (a) un fanal tricolore, construit et fixé de manière à montrer un feu blanc depuis l'avant jusqu'aux quarts de chaque côté, et un feu vert et un feu rouge sur un arc horizontal de deux quarts de chaque côté jusqu'à deux quarts sur l'arrière du travers à tribord et bâbord respectivement; et pas moins de 6 ni plus de 12 pieds audessous du fanal tricolore un feu blanc dans un fanal construit de manière à projeter une lumière uniforme et non interrompue visible de tous les points de l'horizon.

2. S'ils sont à voiles, ils porteront un feu blanc dans un fanal, construit de manière à projeter une lumière uniforme et non interrompue tout autour de l'horizon, et à l'approche d'autres vaisseaux, ou en les approchant, ils montreront aussi, là où il sera le mieux aperçu, un feu blanc à éclats ou une torche en temps suffisant pour éviter l'abordage.

Tous les feux mentionnés à la subdivision (d) 1 et 2 seront visibles à une distance d'au moins 2 milles.

(e) Les vaisseaux et bateaux de pêche pourront en tout temps employer un feu à éclats en sus des feux que le présent article les oblige de porter et montrer, et ils pourront aussi se servir de feux portatifs.

(f) Chaque vaisseau de pêche et chaque bateau de moins de 150 pieds de longueur, à l'ancre, devra montrer un feu blanc visible de tous les points de l'horizon à une distance d'un mille au moins.

Chaque vaisseau de pêche de 150 pieds de longueur ou plus, à l'ancre, montrera un feu blanc visible de tous les points de l'horizon, à une distance d'au moins un mille, et montrera un deuxième feu tel que prescrit pour les vaisseaux de cette longueur par l'article 11.

Si un tel vaisseau, qu'il ait moins de 150 pieds de longueur, ou ait 150 pieds de longueur ou plus, est attaché à un filet ou autre engin de pêche, il montrera, à l'approche d'autres vaisseaux, un autre feu blanc placé 3 pieds au moins plus bas que le feu de mouillage, et à une distance horizontale d'au moins 5 pieds dans la direction du filet ou engin.

(g) Si un vaisseau qui fait la pêche devient stationnaire par suite de ce que son engin de pêche s'est accroché à une roche ou à quelque autre obstacle, le jour il descendra la marque prescrite par la subdivision (i), la nuit il montrera le feu ou les feux prescrits pour un vaisseau à l'ancre; et dans les temps de brume, de brouillard, de neige ou de grosses pluies il fera le signal prescrit pour un vaisseau à l'ancre. (Voir le dernier paragraphe de l'article 15.)

(h) Dans les temps de brume, de brouillard, de neige ou de grosses pluies, les vaisseaux à filets traînants attachés à leurs filets, et les vaisseaux pêchant à la traînée, ou à la ligne avec leurs lignes tendues, devront, s'ils sont de 20 tonneaux de tonnage brut ou plus, respectivement, à des intervalles d'une minute au plus, sonner le sifflet ou la sirène, s'ils sont à vapeur, ou faire résonner le cornet s'ils sont à voiles; chaque son

boats of less than 20 tons gross tonnage shall not be obliged to give the above-mentioned signals; but if they do not, they shall make some other efficient sound signal at intervals of not more than one minute.

(i) All vessels or boats fishing with nets or lines, when under way, shall in daytime indicate their occupation to an approaching vessel by displaying a basket or other efficient signal where it can best be seen. If vessels or boats at anchor have their gear out, they shall, on the approach of other vessels, show the same signal on the side on which those vessels can pass.

The vessels required by this article to carry or show the lights hereinbefore specified shall not be obliged to carry the lights prescribed by article 4 (a), and the last paragraph of article 11.

SESSIONAL PAPER No. 22

sera suivi d'un coup de cloche. Les vaisseaux de pêche et les bateaux de moins de 20 tonneaux de tonnage brut ne seront pas obligés de donner les signaux ci-dessus, mais sinon, ils feront d'autres signaux à des intervalles d'au moins une minute.

(i) Tous les bateaux ou bateaux pêchant aux filets ou lignes ou dragues, en marche, le jour indiqueront leur occupation à un vaisseau approchant, en déployant un panier ou autre bon signal où il sera le mieux aperçu. Si des vaisseaux ou bateaux à l'ancre ont leurs engins tendus, ils montreront à l'approche d'autres vaisseaux le même signal du côté où peuvent passer ces vaisseaux.

Les vaisseaux que le présent article oblige de porter ou de montrer les feux ci-dessus décrits, ne seront pas obligés de porter les feux prescrits par l'article 40 (a) et le dernier paragraphe de l'article 11.

RULES OF THE ROAD FOR THE GREAT LAKES

INCLUDING GEORGIAN BAY, THEIR CONNECTING AND TRIBUTARY WATERS, AND THE ST. LAWRENCE RIVER AS FAR EAST AS THE LOWER EXIT OF THE LACHINE CANAL AND THE VICTORIA BRIDGE AT MONTREAL.

ORDER IN COUNCIL

AT THE GOVERNMENT HOUSE AT OTTAWA.

FRIDAY, the 4th day of February, 1916.

PRESENT :

HIS ROYAL HIGHNESS THE GOVERNOR GENERAL IN COUNCIL.

Whereas it is considered necessary to revise the rules of the road for the Great Lakes including Georgian Bay, their connecting and tributary waters, etc., adopted by Order in Council of the 20th April, 1905, as owing to the increased use in recent years of motor boats and other small craft on the inland waters, the present rules have become inadequate to meet present conditions.

And whereas the present rules differ from the United States rules of the road for the same waters, and one of the principal objects of the revision is to harmonize the Canadian rules with the United States rules, which object has been accomplished in the revised rules hereto annexed.

And whereas the adoption of the said revised rules is desired by Canadian shipping interests on the Great Lakes.

Therefore His Royal Highness the Governor General in Council, in pursuance of the provisions of section 913 of the Canada Shipping Act, chapter 113 of the Revised Statutes of Canada, 1906, is pleased to order as follows:—

The annexed Revised Rules are hereby adopted as the Rules of the Road for navigating the Great Lakes including Georgian Bay, their connecting and tributary waters and the St. Lawrence river as far east as the lower exit of the Lachine canal and the Victoria bridge at Montreal, the same to take effect on and after the 1st day of March, 1916, and all other rules or regulations adopted by Order in Council governing the navigation of the said waters, and all Orders in Council previously passed adopting such rules or regulations are hereby repealed.

RODOLPHE BOUDREAU,
Clerk of the Privy Council.

SESSIONAL PAPER No. 22

RÈGLEMENTS POUR PRÉVENIR LES ABORDAGES SUR LES GRANDS LACS

SUR LES EAUX DE LA BAIE GEORGIENNE, SUR CELLES LES RELIANT OU EN ÉTANT TRIBUTAIRES, ET SUR LE FLEUVE SAINT-LAURENT, JUSQU'À LA LIMITE ORIENTALE DÉTERMINÉE PAR LA PORTE D'AVAL DE L'ÉCLUSE INFÉRIEURE DU CANAL LACHINE ET LE PONT VICTORIA, À MONTRÉAL.

ARRÊTÉ EN CONSEIL

HÔTEL DU GOUVERNEMENT À OTTAWA.

VENDREDI, le 4e jour de février 1916.

PRÉSENT :

SON ALTESSE ROYALE LE GOUVERNEUR GÉNÉRAL EN CONSEIL.

Attendu qu'il est jugé nécessaire de reviser les règlements régissant la navigation sur les Grands lacs (y compris la baie Georgienne), ainsi que la navigation sur les eaux qui les relie et les eaux tributaires, etc., adoptés par un arrêté en conseil du 20 avril 1915, car à cause de l'augmentation en ces dernières années du nombre de bateaux à moteur et d'autre batellerie sur les eaux de l'intérieur, les présents règlements sont inadéquats dans les conditions actuelles.

Et attendu que les présents règlements diffèrent de ceux des Etats-Unis sur les mêmes eaux et qu'un des buts principaux de la révision est de rendre les règlements canadiens conformes à ceux des Etats-Unis, ce qui est fait dans les règlements révisés ci-annexés.

Et attendu que les intéressés dans la marine marchande sur les Grands lacs désirent l'adoption des dits règlements révisés.

Par conséquent, il plaît à Son Altesse Royale le Gouverneur en conseil, en vertu des dispositions de l'article 913 de la loi de la marine marchande au Canada, chapitre 113 des Statuts révisés du Canada, 1906, de décréter par ces présentes ce qui suit:—

Sont par ces présentes adoptés les règlements révisés ci-annexés concernant la navigation sur les Grands lacs (y compris la baie Georgienne), ainsi que la navigation sur les eaux qui les relie et les eaux tributaires, et le fleuve Saint-Laurent jusqu'à la limite orientale déterminée par la porte d'aval de l'écluse inférieure du canal Lachine et le pont Victoria, à Montréal. Ces règlements seront en vigueur à dater du premier jour de mars 1916, et tous les autres règlements adoptés par arrêté en conseil concernant la navigation des dites eaux, et tous les arrêtés en conseil antérieurs promulguant de tels règlements sont par ces présentes rescindés.

RODOLPHE BOUDREAU,
Greffier du Conseil privé.

RULES FOR NAVIGATING THE GREAT LAKES,

Including Georgian Bay, their connecting and tributary waters and the St. Lawrence River as far East as the lower exit of the Lachine Canal and the Victoria Bridge at Montreal.

Preliminary.

In the following rules every steam vessel which is under sail and not under steam shall be considered a sail vessel; and every steam vessel which is under steam, whether under sail or not, shall be considered a steam vessel.

The words *steam vessel* and *steamer* shall include any vessel propelled by machinery.

A vessel is *under way* within the meaning of these rules, when she is not at anchor, or made fast to the shore or aground.

LIGHTS.

RULE 1. The lights mentioned in the following rules and no others shall be carried in all weathers from sunset to sunrise. The word visible in these rules when applied to lights shall mean visible on a dark night with a clear atmosphere.

RULE 2. Except in the cases hereinafter expressly provided for, a steam vessel when under way shall carry:—

(a) On or in front of the foremast, or if a vessel without a foremast, then in the forepart of the vessel, at a height above the hull of not less than twenty feet, and if the beam of the vessel exceeds twenty feet, then at a height above the hull not less than such beam, so, however, that such height need not exceed forty feet, a bright white light so constructed as to show an unbroken light over an arc of the horizon of twenty points of the compass, so fixed as to throw the light ten points on each side of the vessel, namely, from right ahead to two points abaft the beam on either side, and of such character as to be visible at a distance of at least five miles.

(b) On the starboard side, a green light, so constructed as to throw an unbroken light over an arc of the horizon of ten points of the compass, so fixed as to throw the light from right ahead to two points abaft the beam on the starboard side, and of such a character as to be visible at a distance of at least two miles.

(c) On the port side, a red light, so constructed as to show an unbroken light over an arc of the horizon of ten points of the compass, so fixed as to throw the light from right ahead to two points abaft the beam on the port side, and of such a character as to be visible at a distance of at least two miles.

(d) The said green and red lights shall be fitted with inboard screens projecting at least three feet forward from the light, so as to prevent these lights from being seen across the bow.

(e) A steamer of over one hundred and fifty feet register length shall also carry when under way an additional bright light similar in construction to that mentioned in subdivision (a), so fixed as to throw the light all around the horizon and of such character as to be visible at a distance of at least three miles. Such additional light shall be placed in line with the keel at least fifteen feet higher from the deck and more than seventy-five feet abaft the light mentioned in subdivision (a).

RULE 3. A steam vessel having a tow other than a raft shall in addition to the forward bright light mentioned in subdivision (a) of rule two carry in a vertical line not less than six feet above or below that light a second bright light of the same con-

SESSIONAL PAPER No. 22

RÈGLEMENTS CONCERNANT LA NAVIGATION SUR LES GRANDS LACS,

Sur les eaux de la baie Georgienne, sur celles les reliant ou en étant tributaires, et sur le fleuve Saint-Laurent, jusqu'à la limite orientale déterminée par la porte d'aval de l'écluse inférieure du canal Lachine et le pont Victoria, à Montréal.

Dispositions préliminaires.

Pour l'application des articles du présent règlement, tout navire à vapeur faisant route uniquement à la voile, doit être considéré comme étant un navire à voiles; et tout navire à vapeur dont la machine est sous pression, doit être considéré comme navire à vapeur, qu'il se serve ou non de ses voiles.

L'expression "navire à vapeur" comprend tout navire mû par des machines.

Un navire "fait route" dans le sens du présent règlement, lorsqu'il n'est pas au mouillage, ou amarré au rivage, ou échoué.

FEUX.

ARTICLE 1. Les feux dont il est fait mention dans les articles suivants du présent règlement, sont les seuls qui doivent être montrés depuis le coucher du soleil jusqu'au moment où il se lève.

L'expression "visible" employée dans le présent règlement au sujet des feux, signifie visible par une nuit noire et ciel clair.

ARTICLE 2. Excepté dans les cas expressément déterminés ci-après, tout navire à vapeur faisant route doit porter:—

(a) Au mât de misaine ou en avant de ce mât, ou bien, si le navire n'a pas de mât de misaine, sur la partie avant du navire, à une hauteur au-dessus du plat-bord qui ne soit pas inférieur à vingt pieds, et si la largeur du navire dépasse vingt pieds à une hauteur au-dessus du plat-bord au moins égale à cette largeur sans qu'il soit néanmoins nécessaire que cette hauteur au-dessus du plat-bord dépasse quarante pieds, un feu blanc brillant, disposé de manière à montrer une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de vingt quarts ou rumbs de compas, soit 10 quarts de chaque côté du navire, c'est-à-dire depuis l'avant jusqu'à 2 quarts sur l'arrière du travers de chaque bord. Ce feu doit être visible d'une distance d'au moins cinq milles.

(b) A tribord: un feu vert établi de manière à projeter une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de 10 quarts ou rumbs du compas, c'est-à-dire depuis l'avant jusqu'à deux quarts sur l'arrière du travers à tribord. Ce feu doit être visible d'une distance d'au moins deux milles.

(c) A bâbord: un feu rouge établi de manière à projeter une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de 10 quarts ou rumbs du compas, c'est-à-dire depuis l'avant jusqu'à deux quarts sur l'arrière du travers à bâbord. Ce feu doit être visible d'une distance d'au moins deux milles.

(d) Ces feux de côté, vert et rouge, doivent être mis sur des boîtes ouvertes, ou écrans, placés de chaque côté du navire, dépassant le feu d'au moins trois pieds vers la proue, et construits de manière que le feu vert ne puisse être aperçu de bâbord avant et le feu rouge de tribord avant.

(e) Tout navire à vapeur de plus de cent cinquante pieds de longueur faisant route doit porter un feu additionnel blanc, semblable à celui mentionné au paragraphe (a) disposé de manière à projeter tout autour de l'horizon une lumière claire à une distance d'au moins trois milles. Ce feu additionnel doit être placé dans le plan de la quille à quinze pieds au moins au-dessus du pont et à une distance de plus de soixante et quinze pieds en arrière du feu mentionné au paragraphe (a).

ARTICLE 3. Tout navire à vapeur qui remorque autre chose qu'un train de bois flotté, doit porter en outre du feu blanc brillant de l'avant, mentionné au paragraphe (a) de l'article deux, un deuxième feu blanc brillant semblable au feu susdit, men-

struction and character and fixed and carried in the same manner as the forward bright light mentioned in said subdivision (a) of rule two. Such steamer shall also carry a small bright light abaft the funnel or aftermast for the tow to steer by, but such light shall not be visible forward of the beam.

RULE 4. A steam vessel having a raft in tow shall, instead of the forward lights mentioned in rule three, carry on or in front of the foremast, or if a vessel without a foremast then in the forepart of the vessel, at a height above the hull of not less than twenty feet, and if the beam of the vessel exceeds twenty feet, then at a height above the hull not less than such beam, so however, that such height need not exceed forty feet, two bright lights in a horizontal line athwartships and not less than eight feet apart, each so fixed as to throw the light all around the horizon and of such character as to be visible at a distance of at least five miles. Such steamer shall also carry the small bright steering light aft, of the character and fixed as required in rule three.

RULE 5. A sailing vessel under way and any vessel being towed shall carry the side-lights mentioned in rule two.

A vessel in tow shall also carry a small bright light aft, but such light shall not be visible forward of the beam.

RULE 6. Whenever, as in the case of small vessels under way during bad weather, the green and red side-lights can not be fixed, these lights shall be kept at hand lighted and ready for use, and shall, on the approach of or to other vessels, be exhibited on their respective sides in sufficient time to prevent collision, in such manner as to make them most visible, and so that the green light shall not be seen on the port side, nor the red light on the starboard side, nor, if practicable, more than two points abaft the beam on their respective sides. To make the use of these portable lights more certain and easy, they shall be painted outside with the colour of the light they respectively contain, and shall be provided with suitable screens.

RULE 7. A vessel under one hundred and fifty feet register length, when at anchor, shall carry forward, where it can best be seen, but at a height not exceeding twenty feet above the hull, a white light in a lantern constructed so as to show a clear, uniform, and unbroken light, visible all around the horizon, at a distance of at least one mile.

A vessel of one hundred and fifty feet or upward in register length, when at anchor, shall carry in the forward part of the vessel, at a height of not less than twenty and not exceeding forty feet above the hull, one such light, and at or near the stern of the vessel, and at such a height that it shall not be less than fifteen feet lower than the forward light, another such light.

RULE 8. Open boats shall not be obliged to carry the side-lights required for other vessels, but shall, if they do not carry such lights, carry a lantern having a green slide on one side and a red slide on the other side; and on the approach of or to other vessels, such lantern shall be exhibited in sufficient time to prevent collision, and in such a manner that the green light shall not be on the port side, nor the red light on the starboard side. Open boats, when at anchor or stationary, shall exhibit a bright white light. They shall not, however, be prevented from using a flare-up in addition if considered expedient.

SESSIONAL PAPER No. 22

tionné au paragraphe (a) de l'article deux, et disposé verticalement à une distance de six pieds au moins au-dessus ou au-dessous de ce premier feu. Tel navire à vapeur doit aussi porter un petit feu blanc brillant en arrière de la cheminée ou du mât d'artimon, pour permettre au navire remorqué de gouverner, mais ce feu ne doit pas être visible en avant du maître-bau.

ARTICLE 4. Tout navire à vapeur qui remorque un train de bois flotté, doit, au lieu des feux de l'avant mentionnés à l'article 3, porter au mât de misaine ou en avant de ce mât, ou bien si le navire n'a pas de mât de misaine, sur la partie avant du navire, à une hauteur au-dessus du plat-bord qui ne soit pas inférieure à vingt pieds, et si la largeur du navire dépasse vingt pieds à une hauteur au-dessus du plat-bord au moins égale à cette largeur, sans qu'il soit nécessaire que cette hauteur au-dessus du plat-bord dépasse quarante pieds, deux feux blancs brillants horizontaux, disposés en travers du navire, à une distance d'au moins huit pieds l'un de l'autre et de manière à projeter tout autour de l'horizon une lumière claire ininterrompue, à une distance d'au moins cinq milles. Tel navire à vapeur doit aussi porter le petit feu blanc brillant du mât d'artimon, mentionné à la fin de l'article 3.

ARTICLE 5. Tout voilier faisant route doit porter les feux de côté mentionnés à l'article 2; et, tout navire remorqué doit aussi porter ces mêmes feux.

Tout navire remorqué doit en outre porter à l'arrière un petit feu blanc brillant, feu qui ne doit pas être visible en avant du maître-bau.

ARTICLE 6. Lorsqu'un navire faisant route par gros temps a des dimensions trop petites pour que ses feux de côté, vert et rouge, puissent être fixés de manière permanente, ces feux doivent, néanmoins, être tenus allumés sur le pont, chacun sur le côté réglementaire, afin que l'on puisse s'en servir instantanément. Ils doivent être montrés chacun, selon le besoin, et du bon côté, à tout bâtiment qui s'approcherait du navire qui les porte, ou dont ce dernier s'approcherait, et ce, assez à temps pour prévenir un abordage. Cette manœuvre doit être faite de telle manière que les feux de côté soient aussi visibles que possible, et présentés de telle sorte que le feu vert ne puisse être aperçu du côté de bâbord, ni le feu rouge du côté de tribord, si la chose est praticable, à plus de deux quarts en arrière du travers de chacun des côtés du navire. Pour rendre l'application de cet article du règlement plus facile et plus certaine, les fanaux doivent être peints extérieurement de la couleur du feu qu'ils contiennent, et ils doivent, de plus être pourvus d'écrans convenables.

ARTICLE 7. Un navire de moins de cent cinquante pieds de longueur, lorsqu'il est au mouillage, doit porter à l'avant dans l'endroit où il peut être le plus apparent, mais à une hauteur n'excédant pas vingt pieds au-dessus du plat-bord, un feu blanc dans un fanal disposé de manière à projeter tout autour de l'horizon une lumière claire, uniforme et non interrompue à une distance d'au moins un mille.

Un navire de cent cinquante pieds ou plus de longueur, lorsqu'il est au mouillage, doit porter à la partie avant à une hauteur au-dessus du plat-bord de vingt pieds au moins, et de quarante pieds au plus, un feu semblable à celui mentionné plus haut, et à l'arrière ou près de l'arrière un second feu pareil qui doit être à une hauteur telle qu'il ne se trouve pas à moins de 15 pieds plus bas que celui de l'avant.

ARTICLE 8. Les embarcations ouvertes ne sont pas obligées de porter les feux de côté que l'on exige des navires, mais elles doivent, si elles ne les portent pas, porter un fanal émettant une lumière verte d'un côté et rouge de l'autre; fanal qui doit être présenté assez à temps pour éviter tout abordage et de telle sorte que le feu vert ne puisse être aperçu du côté de bâbord ni le feu rouge du côté de tribord. Les embarcations ouvertes, doivent, lorsqu'elles sont au mouillage ou stationnaires, montrer un feu blanc brillant. On ne les empêche pas cependant de montrer par surcroît un feu intermittent, si cela est opportun.

RULE 9. Sailing vessels shall at all times, on the approach of any steamer during the nighttime, show a lighted torch upon that quarter to which such steamer shall be approaching.

Lights for tugs under 30 tons register (net) whose principal business is harbour towing.

RULE 10. Tugs under 30 tons register (net) whose principal business is harbour towing, shall carry the red and green side-lights carried by other steamers; and, at the foremast head, or, if the steamer has no foremast, then on top of the pilot house, a white light so constructed as to show a uniform and unbroken light over an arc of the horizon of 20 points of the compass, and so fixed as to throw the light 10 points on each side of the vessel, namely, from right ahead to 2 points abaft the beam on either side, and of such a character as to be visible at a distance of at least 3 miles; and *when towing, except when towing a raft*, shall carry an additional white light of same character and construction as the headlight, and hung not less than 3 feet vertically above or below the headlight.

When towing a raft, the two headlights shall be carried in a horizontal line athwartships not less than 4 feet apart, each so fixed as to throw the light all around the horizon, and of such a character as to be visible at a distance of at least 3 miles.

Lights to be carried by ferryboats.

RULE 11. Ferryboats propelled by steam or machinery shall carry the white light or lights and the coloured side-lights required by these rules to be carried on steam vessels, except that *double-end ferryboats* shall carry a central range of clear, bright, white lights, showing all around the horizon, placed at equal altitudes forward and aft, also on the starboard side a green light, and on the port side a red light, of such a character as to be visible on a dark night with a clear atmosphere at a distance of at least 2 miles, and so constructed as to show a uniform and unbroken light over an arc of the horizon of 10 points of the compass, and so fixed as to throw the light from right ahead to 2 points abaft the beam on their respective sides.

The green and red lights shall be fitted with inboard screens projecting at least 3 feet forward from the lights, so as to prevent them from being seen across the bow.

Lights for canal boats in tow of steam vessels.

RULE 12. Canal boats when in tow of steam vessels shall carry lights as follows:—

Canal boats when *towed astern of steam vessels and towed singly or tandem* shall each carry a green light on the starboard side, a red light on the port side, and a small bright white light aft.

When canal boats are *towed at a hawser in one or more tiers*, two or more abreast, the boat on the starboard side of each tier shall carry a green light on her starboard side, and the boat on the port side of each tier shall carry a red light on her port side, and each of the outside boats in the last tier shall also carry a small bright light aft.

When a canal boat is *towed alongside* and on the starboard side of a steamer, the boat towed shall carry a green light on the starboard side; and when towed on the port side of a steamer, the boat towed shall carry a red light on the port side.

SESSIONAL PAPER No. 22

ARTICLE 9. Les voiliers doivent en tout temps, durant la nuit, lorsqu'un navire à vapeur s'approche d'eux, montrer une torche allumée du côté où se trouve le vapeur qui approche.

Feux des remorqueurs ayant un tonnage net de moins de 30 tonneaux et principalement employés à faire du remorquage dans les ports.

ARTICLE 10. Les remorqueurs ayant un tonnage net de moins de 30 tonneaux et principalement employés à faire du remorquage dans les ports, doivent porter les feux de côté vert et rouge que portent les autres vapeurs, et, en tête du mât de misaine ou bien si ce remorqueur à vapeur n'a pas de mât de misaine, sur le haut du kiosque du pilote, un feu blanc brillant, disposé de manière à montrer une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de 20 quarts ou rumb du compas, soit 10 quarts de chaque côté du navire, c'est-à-dire, depuis l'avant jusqu'à 2 quarts sur l'arrière du travers de chaque bord. Ce feu doit être visible à une distance d'au moins 3 milles. Lorsqu'un remorqueur fait du *remorquage autre que celui d'un train de bois flotté*, il doit porter un feu blanc additionnel semblable au feu de tête de mât et suspendu verticalement à une distance d'au moins trois pieds au-dessus ou au-dessous du feu de tête de mât.

Lorsqu'un remorqueur *remorque un train de bois flotté*, les deux feux de tête de mât, doivent être disposés horizontalement en travers du navire, à une distance d'au moins quatre pieds l'un de l'autre, de manière à projeter tout autour de l'horizon, une lumière claire, uniforme et ininterrompue à une distance d'au moins trois milles.

Feux que doivent porter les bacs.

ARTICLE 11. Les bacs dont la progression est obtenue par l'emploi de la vapeur ou de machines, doivent porter le ou les feux blancs et les feux de couleur des côtés que ce règlement exige des navires à vapeur; et *les bacs à proue double*, c'est-à-dire, dont la poupe est remplacée par une seconde proue, doivent porter dans le plan de leur ligne médiane longitudinale ou axe, un alignement de feux blancs brillants disposés de manière à projeter tout autour de l'horizon une lumière claire. Ces feux doivent être portés à une même hauteur à l'avant et à l'arrière du bac qui, de plus, doit porter sur ses côtés un feu vert à tribord et un feu rouge à bâbord. Ces derniers feux devront être visibles par nuit noire et ciel clair à une distance d'au moins deux milles. Ils doivent être disposés de manière à montrer une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de 10 quarts ou rumb du compas, c'est-à-dire depuis l'avant jusqu'à 2 quarts sur l'arrière du travers de chaque bord.

Ces feux de côté, vert et rouge, doivent être mis sur des boîtes ouvertes, ou écrans, dépassant le feu d'au moins trois pieds vers la proue, et construits de manière que le feu vert ne puisse pas être aperçu de bâbord avant et le feu rouge de tribord avant.

Feux que doivent porter les bateaux naviguant sur les canaux, lorsqu'ils sont remorqués par des navires à vapeur.

ARTICLE 12. Les bateaux naviguant sur les canaux doivent, lorsqu'ils sont *remorqués un à la fois ou en tandem à l'arrière de navires à vapeur*, porter un feu vert du côté de tribord, un feu rouge du côté de bâbord et un petit feu blanc brillant à l'arrière.

Lorsque des bateaux naviguant sur les canaux sont *remorqués à l'aide d'une haussière sur plusieurs rangées*, de deux bateaux ou plus de front, le bateau se trouvant à tribord de chaque rangée doit porter un feu de côté vert à tribord, et le bateau se trouvant à bâbord de chaque rangée doit porter un feu de côté rouge à bâbord: cependant que chacun des bateaux se trouvant aux extrémités de la dernière rangée doit, en outre, porter à l'arrière un petit feu blanc brillant.

When *two canal boats are towed alongside of a steamer*, one on the starboard and one on the port side, the starboard boat shall carry a green light on the starboard side and the port boat shall carry a red light on the port side.

The *coloured side-lights* referred to in these rules for canal boat in tow of steam vessels shall be fitted with inboard screens, so as to prevent them from being seen across the bow, and of such a character as to be visible on a dark night, with a clear atmosphere, at a distance of at least 2 miles, and so constructed as to show a uniform and unbroken light over an arc of the horizon of 10 points of the compass, and so fixed as to throw the light from right ahead to 2 points abaft the beam on either side. The minimum size of glass globes shall not be less than 6 inches in diameter and 5 inches high in the clear.

The *small bright white light aft* required to be carried on canal boats in tow shall not be visible forward of the beam.

Lights for water craft propelled by hand power, horse power, or by the current of the river.

RULE 13. *Any vessel propelled by hand power, horse-power, or by the current of the river*, navigating any bay, harbour, or river, or which shall be anchored or moored in or near the channel or fairway of any bay, harbour, or river, except rafts and rowing boats under oars, shall carry one white light forward not less than 8 feet above the surface of the water, which light shall be carried, from sunset to sunrise, in a lantern so fixed and constructed as to show a clear, uniform, and unbroken light, visible all around the horizon, and of such intensity as to be visible on a dark night with a clear atmosphere at a distance of at least 1 mile.

Rowing boats under oars shall have ready at hand a lantern showing a white light which shall be temporarily exhibited in sufficient time to prevent collision.

Lights for rafts.

RULE 14. Rafts propelled by hand power, horse-power, or by the current of the river, or in tow, or which shall be anchored or moored in or near a channel or fairway of other vessels, shall carry lights as follows:—

Rafts of one crib and not more than two in length shall carry one white light. Rafts of three or more cribs in length and one crib in width shall carry one white light at end of the raft. Rafts or more than one crib abreast shall carry one white light on each outside corner of the raft, making four lights in all.

Bag or boom rafts navigating or anchored in the fairway of any bay, harbour, or river shall carry a bright white light at each end of the raft, and one of such lights on each side midway between the forward and after ends.

The *white light* required by these rules for rafts shall be carried, from sunset to sunrise, in a lantern so fixed and constructed as to show a clear, uniform, and unbroken

SESSIONAL PAPER No. 22

Lorsqu'un bateau naviguant sur les canaux est *remorqué le long du bord* d'un vapeur du côté de tribord, ce bateau remorqué doit porter un feu de côté vert à tribord. Quand le bateau remorqué le long du bord d'un vapeur se trouve du côté de bâbord de ce vapeur, ce bateau remorqué doit porter un feu de côté rouge à bâbord.

Lorsque deux bateaux naviguant sur les canaux sont *remorqués le long des bords* d'un vapeur, l'un du côté de tribord et l'autre du côté de bâbord, le bateau à tribord doit porter un feu de côté vert à tribord et le bateau à bâbord un feu de côté rouge à bâbord.

Les feux de côté de couleur, dont il est question dans ce règlement lorsqu'il s'agit de bateaux naviguant sur des canaux, mais qui sont remorqués par des vapeurs, doivent être pourvus de boîtes ouvertes ou écrans construits de telle sorte que le feu vert ne puisse être aperçu de bâbord avant, et le feu rouge de tribord avant. Ces feux de côté doivent être établis de manière à projeter une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de 10 quarts ou rums du compas, c'est-à-dire, depuis l'avant jusqu'à deux quarts sur l'arrière du travers de chaque bord. Ils doivent, en outre, être visibles à une distance d'au moins deux milles, par nuit noire et ciel clair. Les globes des fanaux contenant ces feux ne doivent pas avoir moins de 6 pouces de diamètre et être découverts sur une hauteur d'au moins 5 pouces.

Quant au *petit feu blanc brillant* de l'arrière que doivent porter les bateaux naviguant sur les canaux, lorsqu'ils sont remorqués, il ne doit pas être aperçu en avant du maître-bau.

Feux que doivent porter les bâtiments dont la progression est due à la force humaine, à celle de chevaux ou au courant d'un cours d'eau.

ARTICLE 13. *Tout navire dont la progression est due à la force humaine, à celle de chevaux ou au courant d'un cours d'eau*, qui navigue dans une baie, dans un port ou sur un cours d'eau, ou qui est mouillé ou amarré dans ou près d'un chenal ou passe, d'une baie, d'un port ou d'un cours d'eau, exception étant faite quant aux trains de bois flotté et aux embarcations marchant à l'aviron, doit montrer à l'avant, depuis le coucher du soleil jusqu'au moment où il se lève, un feu blanc brillant, porté dans un fanal établi à une distance d'au moins 8 pieds au-dessus de la surface de l'eau, de manière à projeter tout autour de l'horizon une lumière claire à une distance d'au moins 1 mille, par nuit noire et ciel clair.

Les embarcations marchant à l'aviron doivent toujours avoir prêt un fanal garni pour feu blanc, qui, au besoin, doit être montré assez à temps pour prévenir tout abordage.

Feux que doivent porter les trains de bois flotté.

ARTICLE 14. Les trains de bois flotté dont la progression est due à la force humaine, à celle de chevaux ou au courant d'un cours d'eau, ou qui sont remorqués, ou mouillés, ou amarrés dans ou près d'une passe ou chenal fréquenté par des navires, doivent porter les feux suivants:—

Les trains de bois flotté longs d'une part (crib) ou de deux parts au plus, doivent porter un feu blanc. Les trains de bois flotté longs de trois parts ou plus et de la largeur d'une part doivent porter un feu blanc à chacune des extrémités du train. Quant aux trains de bois flotté ayant une largeur supérieure à celle d'une part, dans le sens de leur progression, ils doivent porter un feu blanc à chacun de leurs angles extérieurs, c'est-à-dire, quatre feux en tout.

Les trains de bois flotté contenus dans une panne (boom) et qui se déplacent ou sont mouillés dans la passe d'une baie, dans un port, ou sur une rivière, doivent porter un feu blanc brillant à chacune de leurs extrémités, et un feu semblable sur chacun de leurs côtés, à mi-distance entre la tête et la queue de chaque train.

Tout *feu blanc* dont cet article du règlement exige la présence sur les trains de bois flotté, depuis le coucher du soleil jusqu'au moment où il se lève, doit être émis par

light, visible all around the horizon, and of such intensity as to be visible on a dark night with a clear atmosphere at a distance of at least 1 mile; which lights shall be suspended from poles of such height that the light shall be not less than 8 feet above the surface of the water.

Lights and day marks for vessels not under command.

RULE 15. A vessel which from any accident is not under command shall carry at the same height as the white light mentioned in rule 2 (a), where they can best be seen, and, if a steam vessel, in lieu of that light, 2 red lights, in a vertical line, one over the other, not less than 6 feet apart, and of such a character as to be visible all around the horizon at a distance of at least 2 miles; and shall by day carry in a vertical line one over the other not less than six feet apart, where they can best be seen, 2 black balls or shapes each 2 feet in diameter.

Rules prohibiting the carrying of unauthorized lights on steam vessels.

RULE 16. No master or pilot of any steam vessel shall authorize or permit to be carried, any light, electric, or otherwise, not required by these rules, on the outside structure of the cabin or hull of the vessel that in any way will interfere with distinguishing the signal lights.

Rule relating to the use of Search-Lights.

RULE 17. No master or pilot of any steam vessel shall flash or cause to be flashed the rays of the searchlight into the pilot house of any passing vessel.

FOG SIGNALS.

RULE 18. A steam vessel shall be provided with an efficient whistle, sounded by steam or by some substitute for steam, placed before the funnel not less than eight feet from the deck, or in such other place where the sound will not be intercepted by an obstruction and of such character as to be heard in ordinary weather at a distance of at least two miles, and with an efficient bell, and it is hereby made the duty of inspectors of steam vessels when inspecting the same to see that each steamer is furnished with such whistle and bell. A sailing vessel shall be provided with an efficient fog-horn and with an efficient bell.

Whenever there is thick weather by reason of fog, mist, falling snow, heavy rainstorms, or other causes, whether by day or by night, fog signals shall be used as follows:—

(a) A steam vessel under way, excepting only a steam vessel with raft in tow, shall sound at intervals of not more than one minute three distinct blasts of her whistle.

(b) Every vessel in tow of another vessel shall, at intervals of one minute, sound four bells on a good and efficient and properly placed bell as follows: By striking the bell twice in quick succession, followed by a little longer interval, and then again striking twice in quick succession (in the manner in which four bells is struck in indicating time).

(c) A steamer with a raft in tow shall sound at intervals of not more than one minute a screeching or Modoc whistle for from three to five seconds.

SESSIONAL PAPER No. 22

un fanal suspendu à une perche, de telle manière que le feu se trouve à une distance d'au moins 8 pieds au-dessus de l'eau, le fanal devant être établi de manière à projeter tout autour de l'horizon une lumière claire et ininterrompue, à une distance d'au moins 1 mille, par nuit noire et ciel clair.

Feux et voyants pour navires ne gouvernant pas.

ARTICLE 15. Tout navire qui par suite d'un accident ne gouverne pas, doit porter à la même hauteur que le feu blanc mentionné à l'article 2 (a) à l'endroit le plus apparent et si c'est un navire à vapeur au lieu dudit feu, deux feux rouges verticaux disposés l'un au-dessus de l'autre à une distance d'au moins 6 pieds, de manière à projeter une lumière visible tout autour de l'horizon à une distance d'au moins deux milles; et durant le jour il doit porter deux formes ou ballons noirs verticaux, de 2 pieds de diamètre chacun, à l'endroit le plus apparent et à une distance d'au moins 6 pieds l'un au-dessus de l'autre.

Il est défendu de porter sur les navires à vapeur des feux non autorisés.

ARTICLE 16. Nul capitaine ou pilote d'un navire à vapeur ne doit autoriser ou permettre de porter à l'extérieur des cabines ou de la coque de son bâtiment, un feu électrique ou autre non autorisé par ce règlement, et qui pourrait de quelque façon empêcher de bien reconnaître les feux de signaux du bord.

Article concernant l'emploi des projecteurs.

ARTICLE 17. Nul capitaine ou pilote d'un navire à vapeur ne doit projeter ou faire projeter les rayons d'un projecteur lumineux sur le kiosque du pilote d'un navire qu'il rencontre.

SIGNAUX DE BRUME.

ARTICLE 18. Tout navire à vapeur doit être pourvu d'un bon sifflet à vapeur, ou d'un bon dispositif analogue, établi en avant de la cheminée à une distance d'au moins huit pieds au-dessus du pont, ou à tel autre endroit du bâtiment où les ondes sonores émises ne soient pas interceptées par des obstacles; la construction de ce sifflet doit être telle que par temps ordinaire le son qu'il émet puisse être entendu à une distance d'au moins deux milles. Tout vapeur doit, en outre, être pourvu d'une bonne cloche. Par les présentes il est enjoint aux inspecteurs des bateaux à vapeur de se rendre compte, au cours de leurs inspections, de la présence à bord de tout navire: du sifflet et de la cloche susmentionnés. Tout voilier doit être pourvu d'un bon cornet à bouquin et d'une bonne cloche.

Lorsque de jour ou de nuit le temps est gros, par suite de brume, de brouillard, de neige, de forte pluie, ou de toute autre cause, on doit faire les signaux suivants:—

(a) Tout navire à vapeur faisant route, doit, sauf s'il remorque un train de bois flotté, donner à intervalles ne dépassant pas une minute, trois sons distincts de son sifflet.

(b) Tout navire remorqué par un bâtiment doit, à intervalles d'une minute, piquer quatre coups de cloche sur une bonne cloche convenablement placée, et ce de la manière suivante: frapper deux coups brefs successifs, suivis d'un intervalle de temps un peu plus long, puis deux autres coups brefs successifs (ainsi qu'on le fait pour piquer les quatre coups de cloche de l'heure à bord).

(c) Tout vapeur qui remorque un train de bois flotté doit, à intervalles ne dépassant pas une minute, donner un coup de sifflet perçant—sifflet Modoc,—long de trois à cinq secondes.

(d) A sailing vessel under way and not in tow shall sound at intervals of not more than one minute—

If on the starboard tack with wind forward of a beam, one blast of her fog-horn;

If on the port tack with wind forward of the beam, two blasts of her fog-horn;

If she has the wind abaft the beam on either side, three blasts of her fog-horn.

(e) Any vessel at anchor and any vessel aground in or near a channel or fairway shall at intervals of not more than two minutes ring the bell rapidly for three to five seconds.

(f) Vessels of less than ten tons registered tonnage, not being steam vessels, shall not be obliged to give the above-mentioned signals, but if they do not they shall sound a fog horn, or equivalent signal, at intervals of not more than one minute.

(g) Produce boats, fishing boats, rafts, or other water craft navigating by hand power or by the current of the river, or anchored or moored in or near the channel or fairway and not in any port, and not otherwise provided for in these rules, shall sound a fog-horn, or equivalent signal, at intervals of not more than one minute.

Speed to be moderate in fog, and so forth.

RULE 19. Every vessel shall, in thick weather, by reason of fog, falling snow, heavy rainstorms, or other causes, go at *moderate speed*. A steam vessel hearing, apparently not more than four points from right ahead, the fog-signal of another vessel shall at once reduce her speed to bare steerageway, and navigate with caution until the vessels shall have passed each other.

STEERING AND SAILING RULES.

Preliminary.

Risk of collision can, when circumstances permit, be ascertained by carefully watching the compass bearing of an approaching vessel. If the bearing does not appreciably change, such risk should be deemed to exist.

Sailing vessels.

RULE 20. When two sailing vessels are approaching one another so as to involve risk of collision one of them shall keep out of the way of the other, as follows, namely:—

(a) A vessel which is running free shall keep out of the way of a vessel which is closehauled.

(b) A vessel which is closehauled on the port tack shall keep out of the way of a vessel which is closehauled on the starboard tack.

(c) When both are running free, with the wind on different sides, the vessel which has the wind on the port side shall keep out of the way of the other.

(d) When they are running free, with the wind on the same side, the vessel which is to windward shall keep out of the way of the vessel which is to leeward.

SESSIONAL PAPER No. 22

(d) Tout voilier faisant route, sans être remorqué, doit, à intervalle ne dépassant pas une minute: (s'il a ses amures à tribord et le vent sur l'avant du travers, donner un son de son cornet à bouquin). (S'il a ses amures à bâbord et le vent sur l'avant du travers, donner deux sons de son cornet à bouquin.) (S'il a le vent sur l'arrière du travers de l'un ou de l'autre bord, donner trois sons de son cornet à bouquin.)

(e) Tout navire au mouillage ou échoué dans ou près d'un chenal ou d'une passe doit à intervalles ne dépassant pas deux minutes, frapper des coups de cloche rapides pendant un laps de temps variant de trois à cinq secondes.

(f) Les navires, non à vapeur, qui jaugent moins de dix tonneaux nets, ne sont pas tenus de faire les signaux susmentionnés, toutefois s'ils ne font pas ces signaux, ils doivent faire un signal phonique quelconque à même d'être entendu, et qui soit répété à des intervalles de silence ne dépassant pas une minute.

(g) Les bateaux transportant des denrées, les bateaux de pêche, les trains de bois flotté et autres bâtiments, dont la progression est due à la force humaine ou au courant d'un cours d'eau, ou ceux qui sont mouillés ou amarrés dans ou près d'un chenal ou passe ne se trouvant pas dans un port, et pour lesquels aucun signal n'aurait été spécialement déterminé dans ce règlement, doivent donner des sons à l'aide d'un cornet à bouquin ou autre instrument analogue, à des intervalles de silence ne dépassant pas une minute.

Diminution de vitesse par temps brumeux, etc.

ARTICLE 19. Tout navire doit marcher à une *vitesse modérée*, lorsque le temps est gras (*thick weather*), c'est-à-dire lorsque l'horizon n'est pas entièrement visible, par suite de brume, de brouillard, de neige, d'une forte pluie ou de toute autre cause. Tout vapeur qui entend le signal phonique de brume d'un autre navire, provenant apparemment des quatre quarts d'un bord ou de l'autre de son avant (avant du navire entendant le son), doit immédiatement modérer sa vitesse, n'en conservant que juste assez pour obéir à l'action du gouvernail, et naviguer avec précaution jusqu'à ce que les deux bâtiments se soient dépassés.

RÈGLES DE NAVIGATION.

Notions préliminaires.

Risques d'abordage.—On peut s'assurer des risques d'abordage, lorsque les circonstances le permettent, en guettant soigneusement l'orientation d'un navire qui approche. Si cette orientation ne change pas sensiblement, ces risques sont censés exister.

Navires à voiles.

ARTICLE 20. Lorsque deux navires à voiles s'approchent l'un de l'autre de manière qu'il y ait risque d'abordage, l'un d'eux doit s'écarter de la route de l'autre, comme suit, savoir:—

(a) Tout navire qui a du largue doit s'écarter de la route d'un navire qui est au plus près.

(b) Tout navire qui est au plus près et a les amures à bâbord, doit s'écarter de la route d'un navire qui est aussi au plus près mais qui a les amures à tribord.

(c) Lorsque deux navires à voiles ont du largue et reçoivent le vent sur des côtés différents, celui qui reçoit le vent à bâbord doit s'écarter de la route de celui qui le reçoit à tribord.

(d) Lorsque deux navires à voiles ont du largue et reçoivent le vent du même côté, celui qui est au vent doit s'écarter de la route de celui qui est sous le vent.

Steam vessels.

SIGNALS.

RULE 21. In all weathers every steam vessel under way in taking any course authorized or required by these rules shall indicate that course by the following SIGNALS on her whistle, to be accompanied, whenever required, by corresponding alteration of her helm; and every steam vessel receiving a signal from another shall promptly respond with the same signal or sound the danger signal as provided in Rule 22:—

One blast means: "I am directing my course to starboard," except when two steamers are approaching each other at right angles or obliquely, other than when one steamer is overtaking another, one short blast signifies intention of steamer which is to starboard of the other to hold course and speed.

Two blasts mean: "I am directing my course to port."

RULE 22. If, when steamers are approaching each other, the pilot of either vessel fails to understand the course or intention of the other, whether from signals being given or answered erroneously, or from other causes, the pilot so in doubt shall immediately signify the same by giving the DANGER SIGNAL of five or more short and rapid blasts of the whistle; and if both vessels shall have approached within half a mile of each other, both shall be immediately slowed to a speed barely sufficient for steerage-way, and, if necessary, stopped and reversed, until the proper signals are given, answered, and understood, or until the vessels shall have passed each other.

RULE 23. Steam vessels are forbidden to use what has become technically known among pilots as "CROSS SIGNALS"—that is, answering one whistle with two, and answering two whistles with one. In all cases, and under all circumstances, a pilot receiving either of the whistle signals provided in the rules, which for any reason he deems injudicious to comply with, instead of answering it with a cross signal, shall at once sound the danger signal and observe the rule applying thereto (Rule 22).

RULE 24. The SIGNAL FOR PASSING, by the blowing of the whistle, shall be given and answered by pilots in compliance with these rules, not only when meeting "head and head," or nearly so, but at all times when passing or meeting at a distance within a half mile of each other, and whether passing to the starboard or port.

Situations.

RULE 25. When steamers are APPROACHING EACH OTHER "HEAD AND HEAD," OR NEARLY so, it shall be the duty of each steamer to pass on the port side of the other; and the pilot of either steamer may be first in determining to pursue this course, and thereupon shall give, as a signal of his intention, one short and distinct blast of his whistle, which the pilot of the other steamer shall answer promptly by a similar blast of his whistle, and thereupon such steamers shall pass on the port side of each other. But if the courses of such steamers are so far on the starboard of each other as not to be considered by pilots as meeting "head and head," or nearly so, the pilot so first deciding shall immediately give two short and distinct blasts of his whistle, which the pilot of the

SESSIONAL PAPER No. 22

Navires à vapeur.

SIGNAUX.

ARTICLE 21. Par tous les temps tout vapeur faisant route doit, en prenant une route autorisée ou exigée par ce règlement, indiquer cette route à l'aide des *signaux* suivants, faits à l'aide de sons de son sifflet, signaux qui selon les besoins du moment doivent être immédiatement suivis de la manœuvre correspondante de la barre. Tout vapeur qui perçoit le signal phonique d'un autre navire doit y répondre par le même signal, ou donner les sons du signal du danger, tels que mentionnés à l'article 22 de ce règlement.

Un coup de sifflet signifie: "Je me dirige sur tribord", excepté s'il s'agit de deux vapeurs qui s'approchent l'un de l'autre à angle droit ou obliquement, mais non de deux vapeurs dont l'un atteindrait l'autre. Un coup de sifflet bref signifie que le vapeur qui se trouve à tribord de l'autre entend poursuivre sa route sans ralentir sa marche.

Deux coups de sifflet signifient: "Je me dirige sur bâbord."

ARTICLE 22. Si lorsque deux vapeurs s'approchent l'un de l'autre, l'homme de barre de l'un d'eux manque de comprendre la route que l'autre navire suit, ou a l'intention de suivre, soit que les signaux aient été mal faits ou mal compris, ou pour tout autre raison, l'homme de barre qui est dans le doute doit immédiatement faire part de son doute en faisant le signal *du danger*, c'est-à-dire, en donnant cinq coups de sifflet brefs, ou plus; que, si les deux navires se sont approchés l'un de l'autre à une distance d'un demi-mille, tous deux doivent alors ralentir leur marche de manière à pouvoir tout juste gouverner, et, si nécessaire, ils doivent stopper et renverser leur marche jusqu'à ce que les signaux convenables aient été faits, qu'il y ait été répondu, et qu'on les ait compris, ou jusqu'à ce que les navires se soient dépassés réciproquement.

ARTICLE 23. Il est défendu aux navires à vapeur de faire ce qu'on est convenu de nommer en termes techniques, parmi les navigateurs, des *signaux contraires* "*cross-signals*," c'est-à-dire, répondre à un coup de sifflet par deux coups de sifflet, et à deux coups de sifflet par un coup de sifflet. Dans tous les cas et en toutes circonstances où un homme de barre entend un des coups de sifflet mentionnés dans ce règlement, et dont pour une raison quelconque il juge à propos de ne pas tenir compte, il doit au lieu de répondre par un signal contraire faire immédiatement le signal du danger et observer les dispositions prescrites ci-dessus (article 22).

ARTICLE 24. Les signaux phoniques au sifflet que doit faire un navire voulant en dépasser un autre, doivent être faits par les hommes de barre en conformité de ce règlement, et on doit y répondre aussi en conformité de ce règlement, non seulement lorsque deux navires se rencontrent faisant route "l'un sur l'autre" ou presque, mais en tout temps lorsque deux bâtiments se dépassent ou se rencontrent à un demi-mille l'un de l'autre, et ceci soit qu'un navire passe à tribord ou à bâbord de l'autre.

Position des bâtiments.

ARTICLE 25. Lorsque deux vapeurs *marchent "l'un sur l'autre"*, ou presque, chacun d'eux doit passer à bâbord de l'autre, et l'homme de barre de l'un ou de l'autre de ces bâtiments peut être le premier à se décider à manœuvrer de la sorte, en conséquence de quoi il doit faire le signal notifiant son intention, c'est-à-dire, donner un son bref et distinct de son sifflet à vapeur, auquel l'homme de barre de l'autre vapeur doit répondre promptement par un pareil coup de sifflet, et les deux vapeurs doivent alors passer à bâbord l'un de l'autre; que si les routes suivies par les deux vapeurs se trouvent tellement à tribord l'une de l'autre que les hommes de barre soient d'avis que les deux navires ne marchent pas "*l'un sur l'autre*", ou presque, l'homme de barre qui le premier en arrive à cette conclusion doit donner immédiatement deux sons nets de son sifflet, auxquels l'homme de barre de l'autre navire doit répondre promptement par

other steamer shall answer promptly by two similar blasts of his whistle, and they shall pass on the starboard side of each other: *Provided, however,* That in all NARROW CHANNELS where there is a current, and in the rivers Saint Mary, Saint Clair, Detroit, Niagara, and Saint Lawrence, when two steamers are meeting, the descending steamer shall have the right of way, and shall, before the vessels shall have arrived within the distance of one-half mile of each other, give the signal necessary to indicate which side she elects to take.

In the night, steamers will be considered as meeting "head and head" so long as both the coloured lights of each are in view of the other.

RULE 26. Whenever a steamer is NEARING A SHORT BEND OR CURVE in the channel, where, from the height of the banks or other cause, a steamer approaching from the opposite direction can not be seen for a distance of half a mile, the pilot of such steamer, when he shall have arrived within half a mile of such curve or bend, shall give a signal by one long blast of the whistle, which signal shall be answered by a similar blast given by the pilot of any steamer within hearing that may be approaching on the other side, and within half a mile of such bend or curve. Should such signal be so answered by a steamer upon the farther side of such bend, then the usual signals for meeting and passing shall immediately be given and answered; but, if the first signal of such pilot be not answered, he is to consider the channel clear and govern himself accordingly.

RULE 27. When a STEAMER IS MOVED FROM ITS DOCK OR BERTH, and other steamers are liable to approach such steamer from any direction, such steamer and any approaching steamer shall give the same signals as in case of steamers meeting at a bend; but immediately after clearing the dock or berth so as to be fully in sight they shall be governed by the rules for passing.

RULE 28. When one STEAMER IS OVERTAKING ANOTHER, and the pilot of a steamer which is astern shall desire to pass on the right or starboard hand of the steamer ahead, he shall give one short blast of the whistle, as a signal of such desire and intention, and shall put his helm to port; or if he shall desire to pass on the left or port side of the steamer ahead, he shall give two short blasts of the whistle as a signal of such desire and intention, and shall put his helm to starboard, and the pilot of the steamer ahead shall answer by the same signals; or if he does not think it safe for the steamer astern to attempt to pass at that point, he shall immediately signify the same by giving five or more short and rapid blasts of the whistle, and under no circumstances shall the steamer astern attempt to pass the steamer ahead until such time as they have reached a point where it can be safely done, when said steamer ahead shall signify her willingness by blowing the proper signals. The boat ahead shall in no case attempt to cross the bow or crowd upon the course of the passing steamer.

Every vessel coming up with another vessel from any direction more than two points abaft her beam—that is, in such a position, with reference to the vessel which she is overtaking, that at night she would be unable to see either of that vessel's side lights—shall be deemed to be an *overtaking vessel*; and no subsequent alteration of the bearing between the two vessels shall make the overtaking vessel a crossing vessel

SESSIONAL PAPER No. 22

deux coups de sifflet pareils, et les deux navires doivent alors passer à tribord l'un de l'autre. Il est *toutefois stipulé* que dans tous les *chenaux étroits* où il existe un courant, et sur les rivières Sainte-Marie, Saint-Clair, Détroit, Niagara, et le fleuve Saint-Laurent, lorsque deux vapeurs se rencontrent le vapeur qui descend le cours d'eau a le droit de passage et doit, avant que les deux navires ne se trouvent à une distance d'un demi-mille l'un de l'autre, faire le signal de rigueur pour indiquer de quel côté de l'autre navire il a l'intention de passer. La nuit on doit admettre que deux vapeurs "*marchent l'un sur l'autre*", tant que les deux feux de couleur de l'un sont aperçus de l'autre.

ARTICLE 26. Quand un vapeur suit un chenal et s'approche d'un coude accentué ou courbe de la voie d'eau, dont la nature élevée de la rive, ou tout autre cause, empêche que ledit navire puisse apercevoir un vapeur venant vers lui en sens opposé à une distance d'un demi-mille, l'homme de barre ainsi tenu dans l'ignorance de ce qui se passe au delà de la courbe, doit, lorsque son navire arrive à un demi mille d'une telle courbe, donner un son long de son sifflet, signal auquel doit répondre par un signal pareil l'homme de barre de tout vapeur qui l'aurait entendu et marcherait à un demi-mille dudit coude ou courbe dans le sens opposé du bâtiment ayant fait le premier signal. Quand la réponse du long coup de sifflet est convenablement donnée par le navire dont on supposait la présence derrière l'obstacle, les deux navires s'approchant l'un de l'autre doivent faire immédiatement les signaux d'appel et de réponse que se font habituellement les vapeurs qui se rencontrent. Si l'homme de barre qui a fait le premier signal à l'approche d'une courbe ne reçoit pas de réponse, il est en droit de supposer que le chenal est libre et de gouverner en conséquence.

ARTICLE 27. Quand un vapeur se déplace en quittant son bassin ou son poste d'amarrage et que d'autres vapeurs peuvent avoir à s'en approcher en venant d'une direction quelconque, le vapeur qui se déplace et tout vapeur s'en approchant doivent faire les signaux que font les vapeurs qui se rencontrent sur le coude d'une voie d'eau; mais dès que le vapeur quittant son bassin ou son poste d'amarrage se trouve en pleine vue, on doit faire les signaux que le règlement exige des bâtiments qui se rencontrent normalement.

ARTICLE 28. Quand deux vapeurs étant en marche l'un d'eux atteint l'autre et que l'homme de barre du vapeur se trouvant en arrière désire passer à droite, c'est-à-dire, à tribord du vapeur se trouvant en avant, il doit donner un son bref de son sifflet, afin de signaler son désir et son intention; il doit mettre sa barre à bâbord; et s'il désire passer à gauche, c'est-à-dire à bâbord du vapeur en avant de lui, il doit donner deux sons brefs de son sifflet, afin de signaler son désir et son intention et il doit mettre la barre à tribord, cependant que l'homme de barre du vapeur se trouvant en avant doit répondre en faisant le même signal, que, si ce dernier homme de barre est d'avis qu'il n'est pas prudent que le vapeur le suivant essaye de le dépasser sur ce point de leur route, il doit immédiatement en faire part au bâtiment en arrière en donnant cinq sons brefs et rapides ou plus de son sifflet, le vapeur en arrière ne devant alors dans aucun cas essayer de dépasser le vapeur qui se trouve en avant de lui, et ce jusqu'au moment où les deux vapeurs ont atteint un point de leur route où l'un peut dépasser l'autre sans danger, alors que le vapeur se trouvant en avant signifiera à l'autre qu'il consent à être dépassé en faisant les signaux convenables. Dans aucun cas le navire en avant ne doit essayer de couper la route de celui qui le suit ou le gêner en trop se portant de son côté.

Tout navire qui en atteint un autre sous une direction de plus de deux quarts sur l'arrière de son travers, c'est-à-dire, qui se trouve dans une position telle, relativement au navire atteint, que pendant la nuit il ne pourrait apercevoir ses feux de côté, est censé être un navire qui *en atteint un autre*; quelque soit le changement subséquent de la route des deux navires celui qui atteint l'autre ne peut, d'après ce règlement, prétendre avoir le droit de couper la route du navire se trouvant en avant, ou être exempté du devoir de parer le navire atteint, jusqu'à ce que celui-ci soit passé et hors de danger.

within the meaning of these rules, or relieve her of the duty of keeping clear of the overtaken vessel until she is finally passed and clear.

As by day the overtaking vessel can not always know with certainty whether she is forward of or abaft this direction from the other vessel she should, if in doubt, assume that she is an overtaking vessel and keep out of the way.

RULE 29. IN ALL CHANNELS LESS THAN FIVE HUNDRED FEET IN WIDTH, no steam vessel shall pass another going in the same direction unless the steam vessel ahead be disabled or signify her willingness that the steam vessel astern shall pass, when the steam vessel astern may pass, subject, however, to the other rules applicable to such a situation. And when steam vessels proceeding in opposite directions are about to meet in such channels, both such vessels shall be slowed down to a moderate speed, according to the circumstances.

RULE 30. When two steamers are APPROACHING EACH OTHER AT RIGHT ANGLES OR OBLIQUELY SO AS TO INVOLVE RISK OF COLLISION, other than when one steamer is overtaking another the steamer which has the other on her own port side shall hold her course and speed; and the steamer which has the other on her own starboard side shall keep out of the way of the other by directing her course to starboard so as to cross the stern of the other steamer, or, if necessary to do so, slacken her speed or stop or reverse. The steamer having the other on her own port bow shall blow one blast of her whistle as a signal of her intention to cross the bow of the other, holding her course and speed, which signal shall be promptly answered by the other steamer by one short blast of her whistle as a signal of her intention to direct her course to starboard so as to cross the stern of the other steamer or otherwise keep clear.

If from any cause whatever the conditions covered by this situation are such as to prevent immediate compliance with each other's signals, the misunderstanding or objection shall be at once made apparent by blowing the danger signal, and both steamers shall be stopped, and backed if necessary, until signals for passing with safety are made and understood.

RULE 31. When two steam vessels are meeting end on, or nearly end on, so as to involve risk each shall alter her course to starboard, so that each shall pass on the port side of the other.

RULE 32. When two steam vessels are crossing so as to involve risk of collision the vessel which has the other on her own starboard side shall keep out of the way of the other.

RULE 33. When a STEAM VESSEL AND A SAILING VESSEL are proceeding in such directions as to involve risk of collision the steam vessel shall keep out of the way of the sailing vessel.

RULE 34. Where, by any of the rules herein prescribed, one of two vessels shall keep out of the way, the other shall keep her course and speed.

RULE 35. Every steam vessel which is directed by these rules to keep out of the way of another vessel shall, on approaching her, if necessary, slacken her speed or stop or reverse.

RULE 36. Notwithstanding anything contained in these rules every vessel overtaking any other shall keep out of the way of the overtaken vessel.

RULE 37. In obeying and construing these rules due regard shall be had to all DANGERS OF NAVIGATION AND COLLISION and to any SPECIAL CIRCUMSTANCES which may render a departure from the above rules necessary in order to avoid immediate danger.

SESSIONAL PAPER No. 22

Or, comme pendant le jour le navire qui en atteint un autre ne peut pas toujours savoir avec certitude s'il a dépassé ou non la direction mentionnée ci-dessus par rapport à l'autre navire, il doit dans le doute, présumer qu'il se trouve être positivement un navire qui en atteint un autre et parer la route de ce dernier.

ARTICLE 29. *Dans tous les chenaux ayant moins de cinq cents pieds de largeur* aucun navire à vapeur n'est autorisé à en dépasser un autre marchant dans la même direction, à moins que le vapeur se trouvant en avant ne soit désarmé ou n'ait signifié qu'il consent à ce que le navire à vapeur se trouvant derrière lui le dépasse, auquel cas ce dernier peut le dépasser pourvu, néanmoins, qu'il observe les dispositions du règlement auxquelles il est sujet dans ce cas. Lorsque deux navires à vapeur font route en sens opposé et sont sur le point de se rencontrer sur un chenal ayant moins de cinq cents pieds de largeur, ces deux navires doivent ralentir leur marche et marcher à une vitesse modérée, en tenant compte des circonstances.

ARTICLE 30. Lorsque deux navires à vapeur *s'approchent l'un de l'autre à angle droit ou obliquement, au risque d'un abordage*, de nature différente de celui pouvant se produire dans le cas d'un vapeur qui en atteint un autre, le vapeur qui a l'autre vapeur à bâbord ne doit ni modifier sa route ni ralentir sa marche, et le vapeur qui a l'autre vapeur à tribord doit se déranger pour ce dernier, et gouverner sur tribord de manière à couper la route de l'autre vapeur à l'arrière de celui-ci, ou, si nécessaire, ralentir sa marche, ou stopper ou renverser sa marche. Le vapeur qui a l'autre par le bossoir de bâbord doit donner un son de son sifflet, pour signaler qu'il a l'intention de couper sa route en passant devant lui, et le vapeur qui fait ce signal doit poursuivre sa route et ne pas ralentir sa marche. À ce signal l'autre vapeur doit répondre promptement par un son bref de son sifflet, pour signaler qu'il a l'intention de gouverner sur tribord de manière à couper la route de l'autre vapeur en passant en arrière de lui ou qu'il entend éviter tout danger d'abordage.

Si pour une raison quelconque l'état de choses considéré dans cet article est tel qu'il empêche d'obéir immédiatement aux manœuvres imposées par les signaux échangés entre les deux vapeurs, la méprise ou l'objection se présentant doivent être notifiées en faisant donner au sifflet le son propre au signal du danger, et les deux vapeurs doivent stopper et faire machine en arrière, si c'est nécessaire, jusqu'à ce que les signaux devant permettre de passer en toute sécurité soient compris.

ARTICLE 31. Lorsque deux navires sous vapeur courent l'un sur l'autre ou à peu près, et qu'il y a risque d'abordage, tous deux doivent venir sur tribord pour passer à bâbord l'un de l'autre.

ARTICLE 32. Si deux navires sous vapeur font des routes qui se croisent et les exposent à s'aborder, celui qui voit l'autre par tribord doit manœuvrer de manière à ne pas gêner la route de ce dernier.

ARTICLE 33. Si deux navires, l'un à voiles, l'autre sous vapeur, font des routes qui les exposent à s'aborder, le navire sous vapeur doit manœuvrer de manière à ne pas gêner la route du navire à voiles.

ARTICLE 34. Lorsque, d'après les articles de ce règlement, un navire doit s'écarter de la route d'un autre navire, celui-ci doit poursuivre sa route sans ralentir sa marche.

ARTICLE 35. Tout navire qui d'après les articles de ce règlement doit se déranger pour un autre navire, doit en l'approchant, si nécessaire, ralentir sa marche, ou stopper ou faire machine en arrière.

ARTICLE 36. Nonobstant tout ce qui est contenu au présent règlement, tout navire qui en atteint un autre, doit se déranger pour le navire qu'il atteint.

ARTICLE 37. En se conformant aux articles de ce règlement et en les interprétant il faut tenir compte de tous les dangers de la navigation, et avoir égard à toutes les circonstances particulières qui peuvent rendre nécessaire une dérogation aux dispositions de ce règlement, afin de parer à un péril immédiat.

RULE 38. Nothing in these rules shall exonerate any vessel, or the owner or master or crew thereof, from the consequences of any neglect to carry lights or signals, or of any neglect to keep a proper lookout, or of a neglect of any precaution which may be required by the ordinary practice of seamen, or by the special circumstances of the case.

Diagrams.

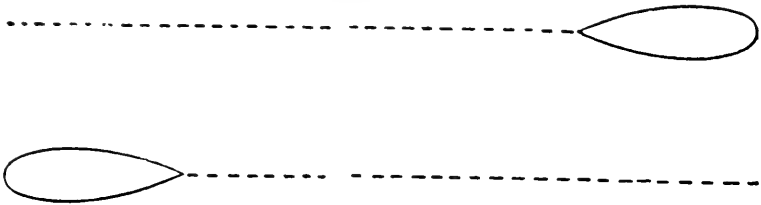
The following diagrams are intended to illustrate the working of the system of coloured lights and pilot rules:—

First Situation.



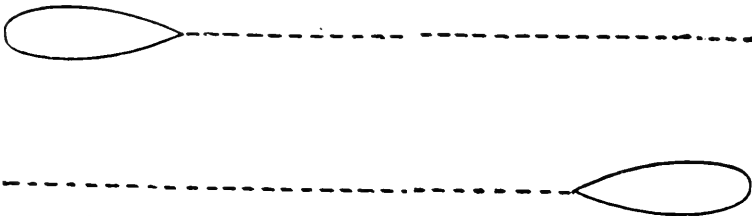
Here the two coloured lights visible to each will indicate their direct approach "head and head" toward each other. In this situation it is a standing rule that both shall put their helms to port and pass on the port side of each other, each having previously given one blast of the whistle.

Second Situation.



In this situation the red light only will be visible to each, the screens preventing the green lights from being seen. Both vessels are evidently passing to port of each other, which is rutable in this situation, each pilot having previously signified his intention by one blast of the whistle.

Third Situation.



In this situation the green light only will be visible to each, the screens preventing the red light from being seen. They are therefore passing to starboard of each other, which is rutable in this situation, each pilot having previously signified his intention by two blasts of the whistle.

SESSIONAL PAPER No. 22

ARTICLE 38. Rien dans les articles de ce règlement ne saurait affranchir un navire quel qu'il soit, son propriétaire, son capitaine ou son équipage, des conséquences d'une omission de porter des feux ou signaux, d'un défaut de surveillance convenable, ou, enfin, d'une négligence quelconque des précautions commandées par la pratique ordinaire de la navigation ou par les circonstances particulières de la situation.

Diagrammes.

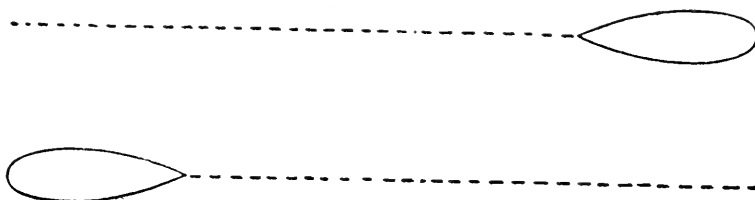
Les diagrammes suivants ont pour but de permettre d'interpréter la signification des feux de couleur et les règles qui doivent guider les hommes de barre.

Première position.



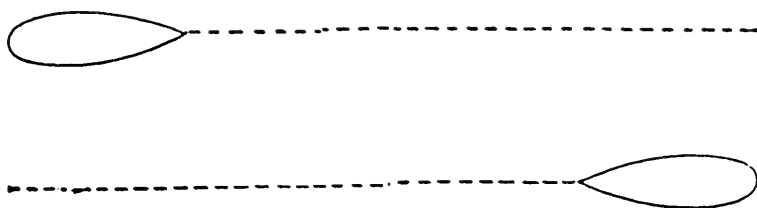
Dans ce cas les deux feux de couleur visibles de chacun des navires, indiquent qu'ils "courent l'un sur l'autre" en droite ligne. Dans cette position il est de règle établie que chaque navire doit mettre sa barre à bâbord et passer à bâbord de l'autre bâtiment, chacun d'eux ayant au préalable donné un son de son sifflet.

Deuxième position.



Dans ce cas chacun des navires ne peut voir que le feu rouge de l'autre, les écrans empêchant de voir les feux verts. Chacun des navires passe évidemment à bâbord de l'autre, ce qui est de règle. Dans cette position, chaque homme de barre doit au préalable signifier son intention de ce faire en donnant un son de son sifflet.

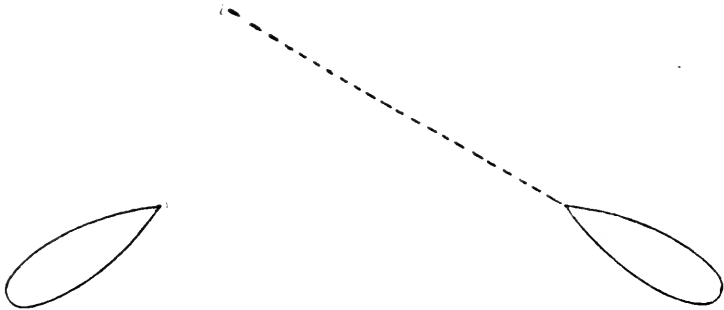
Troisième position.



Dans ce cas chacun des navires ne peut voir que le feu vert de l'autre, les écrans empêchant de voir les feux rouges. Chacun des navires passe évidemment à tribord de l'autre, ce qui est de règle dans cette position, et chaque homme de barre doit au préalable signifier son intention de ce faire en donnant deux sons de son sifflet.

Fourth Situation.

In this situation one steamer is overtaking another steamer from some point within the angle of two points abaft the beams of the overtaken steamer. The overtaking steamer may pass on the starboard or port side of the steamer ahead after the necessary signals for passing have been given, with assent of the overtaken steamer, as prescribed in rule 28.

Fifth Situation.

In this situation two steamers are approaching each other at right angles or obliquely *in such manner as to involve risk of collision*, other than where one steamer is overtaking another.

The steamer which has the other on her own *port* side shall hold course and speed, and the other shall keep clear by crossing astern of the steamer that is holding course and speed, or, if necessary to do so, shall slacken her speed or stop or reverse.

Both steamers shall otherwise observe the provisions of rule 30 with respect to the signals for passing and the danger signal.

Rules prohibiting unnecessary sounding of the steam whistle.

RULE 39. No licensed officer in charge of any steamer shall authorize or permit unnecessary sounding of the steam whistle.

Distress signals

RULE 40. When a vessel is in distress and requires assistance from other vessels or from the shore, the following shall be the signals to be used or displayed by her, either together or separately, viz.:-

In the daytime:-

1. A gun or other explosive signal fired at intervals of about a minute.
2. The International Code signal of distress indicated by N.C.
3. The distant signal, consisting of a square flag, having either above or below it a ball or anything resembling a ball.
4. A continuous sounding with any fog-signal apparatus.

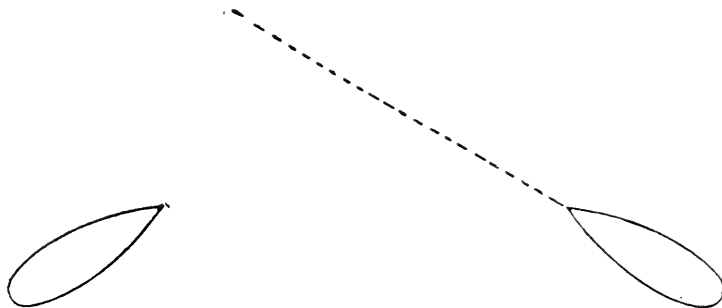
SESSIONAL PAPER No. 22

Quatrième position.



Dans ce cas un des deux vapeurs atteint l'autre vapeur d'un point situé dans l'angle des 2 quarts sur l'arrière du travers de chaque bord du navire atteint. Le navire qui atteint l'autre peut passer à tribord ou à bâbord de celui-ci qui se trouve en avant de lui, mais il doit d'abord faire les signaux nécessaires pour le dépasser, et ce avec le consentement du navire qui est atteint, les signaux étant ceux prescrits à l'article 28.

Cinquième position.



Dans ce cas deux vapeurs s'approchent l'un de l'autre à angle droit ou obliquement de manière à encourir des risques d'abordage, autres que s'il s'agissait d'un vapeur en atteignant un autre.

Le vapeur qui a l'autre à *bâbord* doit poursuivre sa route sans ralentir sa marche et l'autre se déranger en coupant la route du premier en arrière de celui-ci, qui poursuit sa route sans ralentir sa marche, ou, si c'est nécessaire, le navire qui se dérange doit ralentir sa marche, stopper, ou faire machine en arrière.

Que s'il en était autrement, chacun des deux vapeurs doit observer les dispositions de l'article 30 ayant trait aux signaux à faire pour passer et à ceux pour éviter tout danger.

Défense de donner des coups de sifflet inutiles.

ARTICLE 39. Aucun officier breveté chargé d'un vapeur ne doit autoriser ou permettre de donner des coups de sifflet à vapeur inutiles.

Signaux de détresse.

ARTICLE 40. Lorsqu'un navire est en détresse et a besoin du secours d'autres navires, ou de la terre, les signaux suivants doivent être faits par ce navire, soit ensemble, soit séparément, savoir:—

Pendant le jour:—

1. Un coup de canon ou autre signal par explosion, tiré à des intervalles d'environ une minute;
2. Le signal de détresse indiqué par N.C. dans le Code International des signaux;
3. Le signal éloigné, fait à l'aide d'un pavillon carré ayant soit au-dessus soit au-dessous un ballon ou quelque chose ressemblant à un ballon;
4. Un son continu produit par un appareil de signal de brume.

At night:—

1. A gun or other explosive signal fired at intervals of about a minute.
2. Flame from the vessel (as from burning a tar barrel, oil barrel, etc.).
3. Rockets, or shells, throwing stars of any colour or description, fired one at a time, at short intervals.
4. A continuous sounding with any fog-signal apparatus.

Rules concerning motor boats.

PRELIMINARY.

In the following rules the words "motor boat" shall include every vessel propelled by machinery and not more than sixty-five feet in length except tug-boats and tow-boats propelled by steam. The length shall be measured from end to end over the deck excluding sheer.

RULE 41. That motor boats subject to the provision of these rules shall be divided into classes as follows:—

Class one. Less than twenty-six feet in length.

Class two. Twenty-six feet or over and less than forty feet in length.

Class three. Forty feet or over and not more than sixty-five feet in length.

RULE 42. That every motor boat in all weathers from sunset to sunrise shall carry the following lights, and during such time no other lights which may be mistaken for those prescribed shall be exhibited.

(a) Every motor boat of class one shall carry the following lights:—

First. A white light aft to show all around the horizon.

Second. A combined lantern in the fore part of the vessel and lower than the white light aft showing green to starboard and red to port, so fixed as to throw the light from right ahead to two point abaft the beam on their respective sides.

(b) Every motor boat of classes two and three shall carry the following lights:—

First. A bright white light in the fore part of the vessel as near the stem as practicable, so constructed as to show an unbroken light over an arc of the horizon of twenty points of the compass, so fixed as to throw the light ten points on each side of the vessel, namely, from right ahead to two points abaft the beam on either side. The glass or lens shall be of not less than the following dimensions:—

Class two. Nineteen square inches.

Class three. Thirty-one square inches.

Second. A white light aft to show all around the horizon.

Third. On the starboard side a green light so constructed as to show an unbroken light over an arc of the horizon of ten points of the compass, so fixed as to throw the light from right ahead to two points abaft the beam on the starboard side. On the port side a red light so constructed as to show an unbroken light over an arc of the horizon of ten points of the compass so fixed as to throw the light from right ahead to two points abaft the beam on the port side. The glasses or lenses in the said side-lights shall be of not less than the following dimensions on motor boats of—

SESSIONAL PAPER No. 22

Pendant la nuit:—

1. Un coup de canon ou autre signal par explosion, tiré à des intervalles d'environ une minute;
2. Des flammes sur le navire, telles que produites par la combustion d'un baril à goudron ou à huile, etc.;
3. Des fusées ou bombes tirées une à la fois à de courts intervalles, et projetant en l'air des étoiles de couleur ou d'aspect varié;
4. Un son continu produit par un appareil de signal de brume.

Dispositions concernant les bateaux à moteur.

NOTIONS PRÉLIMINAIRES.

Dans les articles suivants du présent règlement l'expression "bateaux à moteur" comprend tout bateau pour la progression duquel on emploie des machines, et qui n'a pas plus de soixante-cinq pieds de longueur. Mais on fait exception pour les remorqueurs dont la vapeur assure la progression. La longueur du bateau doit être mesurée de l'une à l'autre des extrémités sur le pont, dont on ne tiendra pas compte de la tonture.

ARTICLE 41. Les bateaux à moteur que visent les dispositions de ce règlement appartiennent aux catégories suivantes:—

Première catégorie: bateaux de moins de 26 pieds de longueur.

Deuxième catégorie: bateaux de 26 pieds ou plus de longueur et de moins de 40 pieds de longueur.

Troisième catégorie: bateaux de 40 pieds ou plus de longueur mais dont la longueur ne dépasse pas 65 pieds.

ARTICLE 42. Tout bateau à moteur doit par tous les temps depuis le coucher du soleil jusqu'au moment où il se lève, montrer les feux suivants à l'exclusion de tous autres feux pouvant être confondus avec ceux que le règlement prescrit de montrer.

(a) Tout bateau à moteur de la première catégorie doit porter les feux suivants:—

Premièrement: un feu blanc à l'arrière disposé de manière à projeter tout autour de l'horizon une lumière claire.

Deuxièmement: un fanal à combinaison que l'on doit placer à l'avant du bateau, plus bas que le feu blanc de l'arrière et pouvant montrer un feu vert sur tribord et un feu rouge sur bâbord, établi de manière à projeter une lumière ininterrompue verte à tribord depuis l'avant jusqu'à deux quarts sur l'arrière du travers à tribord, et un feu rouge sur bâbord établi de manière à projeter une lumière ininterrompue rouge à bâbord depuis l'avant jusqu'à deux quarts sur l'arrière du travers à bâbord.

(b) Tout bateau à moteur de la deuxième catégorie et de la troisième catégorie, doit porter les feux suivants:—

Premièrement: Un feu blanc brillant à l'avant du bateau et aussi près de l'étrave que possible, disposé de manière à montrer une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de vingt quarts ou rumb du compas, soit dix quarts de chaque côté du bateau, c'est-à-dire depuis l'avant jusqu'à deux quarts sur l'arrière du travers de chaque bord. Le verre ou la lentille du fanal de ce feu ne doit pas avoir des dimensions inférieures aux suivantes:—

Pour la deuxième catégorie: Dix-neuf pouces carrés;

Pour la troisième catégorie: Trente et un pouces carrés.

Deuxièmement: Un feu blanc à l'arrière disposé de manière à projeter tout autour de l'horizon une lumière claire.

Troisièmement: A tribord, un feu vert établi de manière à projeter une lumière ininterrompue sur tout le parcours d'un arc de l'horizon de dix quarts ou rumb du compas c'est-à-dire depuis l'avant jusqu'à deux quarts sur l'arrière du travers à tribord. A bâbord un feu rouge établi de manière à projeter une lumière ininterrompue sur

Class two. Sixteen square inches.

Class three. Twenty-five square inches.

On and after March first, nineteen hundred and seventeen, all glasses or lenses prescribed by paragraph (b) of Rule 42 shall be fresnel or fluted. The said lights shall be fitted with inboard screens of sufficient height and so set as to prevent these lights from being seen across the bow and shall be of not less than the following dimensions on motor boats of—

Class two. Eighteen inches long.

Class three. Twenty-four inches long: *Provided*, That motor boats as defined in these Rules, when propelled by sail and machinery or under sail alone, shall carry the coloured lights suitably screened but not the white lights prescribed by this Rule.

RULE 43. (a) Every motor boat under the provisions of these Rules shall be provided with a whistle or other sound-producing mechanical appliance capable of producing a blast of two seconds or more in duration, and in the case of such boats so provided a blast of at least two seconds shall be deemed a prolonged blast within the meaning of these Rules.

(b) Every motor boat of class two or three shall carry an efficient fog-horn.

(c) Every motor boat of class two or three shall be provided with an efficient bell, which shall be not less than eight inches across the mouth on board of vessels of class three.

Rule 44 repealed by Order in Council of the 29th June 1916.

RULE 45. The foregoing Rules shall be in full force and effect on and after the first day of March, nineteen hundred and sixteen, and shall supersede all Rules of the Road for the Great Lakes, etc., previously adopted.

SESSIONAL PAPER No. 22

tout le parcours d'un arc de l'horizon de dix quarts ou rumb du compas, c'est-à-dire depuis l'avant jusqu'à deux quarts sur l'arrière du travers à bâbord. Les verres ou lentilles des fanaux de ces feux de côté ne doivent pas avoir des dimensions inférieures aux suivantes sur les bateaux à moteur:—

Deuxième catégorie: Seize pouces carrés.

Troisième catégorie: Vingt-cinq pouces carrés.

Le et après le 1er mars mil neuf cent dix-sept, tous les verres ou lentilles exigés par le paragraphe (b) de l'article 42 devront être du type fresnel ou à cannelures. Les feux susdits doivent être établis sur des boîtes ouvertes ou écrans de hauteur suffisante, et disposés de façon que les feux ne puissent être vus du bossoir opposé. Ils ne doivent pas avoir de dimensions inférieures aux suivantes, savoir, sur les bateaux à moteurs de:—

Deuxième catégorie: Dix-huit pouces de longueur.

Troisième catégorie: Vingt-quatre pouces de longueur. Il est *pourvu* que les bateaux à moteur, tels que définis dans ce règlement, doivent porter des feux de couleurs convenables, avec écrans, mais non les feux blancs prescrits dans cet article, lorsque ces bateaux emploient pour leur progression des voiles et des machines ou seulement des voiles.

ARTICLE 43. (a) D'après les dispositions de ce règlement, chaque bateau à moteur doit être pourvu d'un sifflet ou autre dispositif mécanique pouvant donner des sons de signaux, et à même de donner un son de deux secondes ou plus de durée. Dans le cas des bateaux ainsi pourvus, un son d'au moins deux secondes de durée sera considéré comme un son long, en tant que peuvent le signifier les dispositions de ce règlement.

(b) Tout bateau à moteur de la deuxième catégorie ou de la troisième catégorie, doit porter un cornet à bouquin ne laissant rien à désirer.

(c) Tout bateau à moteur de la deuxième catégorie et de la troisième catégorie, doit être pourvu d'une bonne cloche: qui ne doit pas avoir moins de huit pouces de diamètre à sa partie la plus évasée, lorsque cette cloche se trouve à bord de bateaux appartenant à la troisième catégorie.

Article 44: rescindé par un ordre en Conseil du 29 juin 1916.

ARTICLE 45. Le présent règlement aura force et effet à partir du 1er mars mil neuf cent seize inclusivement, et il remplacera tout règlement existant antérieurement, pour prévenir les abordages sur les Grands lacs. etc.

STEAM VESSELS

VAPEURS

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italic—Les noms des vaisseaux à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons- truit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Tareau en pieds et 10es.	Depth in feet and 10ths.	Profoundeur en pieds et 10es.	Gross Tonnage.	Tonnage brut.	Registered Tonnage. Tonnage enregistré	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.-v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134420	A. B. B.	Vancouver	1912	Steveston, B.C.	35 0	8 8	109	3 0	3 0	11	11	7	1 sc.	Albert B. Bettles, Vancouver, B.C.
138006	A. B. B. Compce.	Port Arthur	1917	Port Arthur, Ont.	81 0	20 0	118	11 8	11 8	133	133	62	31 sc.	Canadian Towing & Wrecking Co., Limited, Port Arthur, Ont.
88639	A. B. Cook	St. Catharines	1885	Port Colborne, Ont.	54 4	12 0	6 6	6 6	6 6	31	31	23	13 sc.	Robert Weddel, Trenton, Ont.
97014	A. D. Cross	St. Catharines	1897	Port Colborne, Ont.	49 0	16 0	8 9	8 9	8 9	47	47	32	11 sc.	John J. Harrigan, Port Dalhousie, Ont.
129491	A. E. McKinstry	Montreal	1910	Port Glasgow, G.B.	250 4	42 7	18 3	18 3	18 3	1,993	1,993	1,190	50 sc.	Can. Steamship Lines, Ltd., 9 Victoria Square, Montreal, Que.
116385	A. F. Bowman	Port Arthur	1906	Collingwood, Ont.	76 0	22 0	12 0	12 0	12 0	113	113	77	52 sc.	Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
77820	A. H. Jennie	Toronto	1882	Port Rowan, Ont.	119 0	21 1	9 3	9 3	9 3	197	197	121	2 sc.	Mrs. Agnes M. Britnell, Toronto, Ont.
130635	A. J. H'eadon	St. John, N.B.	1912	St. John, N.B.	29 2	9 5	4 9	4 9	4 9	10	10	7	2 sc.	Allen John Wheaton, St. John, N.B.
130675	A. L. Conrad	Lunenburg	1911	Tancook, N.S.	40 4	10 6	5 2	5 2	5 2	12	11	11	3 sc.	N. McDonald and E. McDonald, Stonehurst, N.S.
130688	A. L. Maillet	Rochibucto	1916	St. Louis, N.B.	36 0	11 0	5 0	5 0	5 0	13	13	13	1 sc.	Arthur L. Maillet, St. Louis, N.B.
100363	A. M. Peaire	Hamilton	1892	Hamilton, Ont.	50 0	10 0	4 9	4 9	4 9	20	20	13	1 sc.	James Garrett, Herring Bay, Algoma, Ont.
126632	A. R. Hellen	Vancouver	1909	Adams Lake, B.C.	123 5	26 8	10 4	10 4	10 4	331	209	30	9 pa.	Adams River Lumber Co., Limited, Chase, B.C.
96877	A. V. Crawford	Port Stanley	1891	Goderich, Ont.	72 0	15 7	7 2	7 2	7 2	51	35	35	20 sc.	C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
90765	A. Chambers	Goderich	1888	Goderich, Ont.	55 7	14 0	5 2	5 2	5 2	23	23	22	2 pa.	John McCormick, Tip. of Pelee, Ont.
130262	A. Ferguson	Ottawa	1909	Simeco, Ont.	42 0	11 0	3 7	3 7	3 7	19	19	12	1 sc.	John R. Booth, Ottawa, Ont.
132944	A. Lallamne	Ottawa	1914	Calumet, Que.	48 0	13 6	2 8	2 8	2 8	35	35	19	1 sc.	Alphonse Lallamne, Calumet, Qué.
138491	A. McVittie	Montreal	1890	Calumet, Que.	249 2	41 5	14 3	14 3	14 3	1,458	945	147	109 sc.	Alphonse Lallamne, Calumet, Qué.
138262	A. Tremblay	Quebec	1916	Detroit, Mich., U.S.A.	111 5	28 2	8 2	8 2	8 2	6	6	6	24 sc.	Ulric Tremblay, M.O., Matane, Que.
131031	Abel	New Westminster	1912	Matane, P.Q.	30 0	9 5	3 1	3 1	3 1	10	10	6	3 sc.	Henry Curtis Shaw, Vancouver, B.C.
134565	Abel	New Westminster	1913	Annieville, B.C.	30 0	9 2	3 4	3 4	3 4	16	16	6	3 sc.	Jens Gunderson, New Westminster, B.C.
92740	Abeona	Toronto	1889	Westport, Ont.	89 0	15 7	5 5	5 5	5 5	46	31	22	6 sc.	Thomas G. McWain, Deseronto, Ont.
106659	Aberdeen	Toronto	1894	Westport, Ont.	51 0	8 4	4 2	4 2	4 2	13	9	9	6 sc.	Harbour Commissioners, Montreal, Que.
106554	Aberdeen	Montreal	1895	Sorel, Qué.	79 3	18 1	9 0	9 0	9 0	87	55	43	30 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
106554	Aberdeen	Montreal	1894	Paisley, G.B.	180 0	33 3	11 3	11 3	11 3	142	87	172	30 sc.	The Ontario & Quebec Navigation Co., Ltd., Picton, Ont.
103227	Aberdeen	Pictou, Ont.	1894	Pictou, Ont.	99 6	22 9	8 7	8 7	8 7	674	274	200	30 sc.	Canadian Pacific Railway Co., Montreal, Que.
94924	Aberdeen	Vancouver	1893	Vernon, B.C.	146 2	29 9	6 8	6 8	6 8	554	349	17	17 pa.	Chas. Williams and Rich. B. Kickup, Sturgeon Falls, Ont.
100675	Abino	Vancouver	1894	Fort Erie, Ont.	41 3	10 3	3 6	3 6	3 6	8	8	5	7 sc.	Wallaceburg Sugar Co., Ltd., Wallaceburg, Ont.
100395	Acacia	Hamilton	1893	Hamilton, Ont.	92 4	19 4	6 8	6 8	6 8	107	73	73	31 sc.	Michael J. O'Brien, Renfrew, Ont.
92488	Acacia	Montreal	1887	Hantsport, N.S.	72 0	21 3	6 8	6 8	6 8	74	67	67	31 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
335353	Acadia	Ottawa	1913	Newcastle-on-Tyne, G.B.	170 0	33 7	19 1	19 1	19 1	846	439	177	30 sc.	The Ontario & Quebec Navigation Co., Ltd., Picton, Ont.
331173	Accrescent	Lunenburg	1908	Lunenburg, B.C.	43 8	10 8	5 4	5 4	5 4	12	11	11	4 sc.	Robin Jones & Whitman, Ltd., Halifax, N.S.
126078	Actates	Vancouver	1908	Lunenburg, B.C.	100 0	22 9	8 5	8 5	8 5	209	142	43	30 sc.	Actates Tow Boat Co. Ltd., Vancouver, B.C.
111652	Actaea	Montreal	1894	Poughkeepsie, N.Y., USA.	46 0	9 5	4 6	4 6	4 6	11	11	4	4 sc.	Andrew F. Gault, Montreal, Qué.
122801	Actica	Lunenburg	1907	Lunenburg, N.S.	53 8	16 4	7 6	7 6	7 6	35	34	34	1 sc.	Frank Young, Pleasant Harbour, N.S.
94894	Active	Vancouver	1889	New Westminster, B.C.	116 0	20 7	10 3	10 3	10 3	172	119	50	50 sc.	Canadian Tugboat Co., Ltd., Vancouver, B.C.

SESSIONAL PAPER No. 22

Activity	Quebec	1892	Lévis, Qué.	44 6	12 8	5 2	22	9	25 sec.	E. A. D. Morgan, Montreal, Que.
Kenora	138026	1890	French Passage, Ont.	36 0	8 0	3 5	12	8	1 sec.	William H. Bouclia, Kenora, Ont.
Chatham, N.B.	88065	1884	Chatham, N.B.	32 0	6 3	3 0	4	2	3 sec.	The Saint John River Log Driving Co., Devon, N.B.
Toronto	75642	1879	Port Dalhousie, Ont.	66 5	13 2	6 0	40	41	14 sec.	Levi R. Fraser, Brasbride, Ont.
Adu. Alire	134198	1879	Spanish, Ont.	64 5	13 4	6 8	40	27	5 sec.	James W. Vance, Spanish, Ont.
Sault Ste. Marie	122332	1907	Vancouver, B.C.	45 0	10 4	6 7	24	16	5 sec.	H. Bell-Ing Co., Ltd., Vancouver, B.C.
Adam	146927	1904	Arrowhead, B.C.	112 0	20 1	6 7	145	55	26 sec.	The Canadian Pacific Co., Ltd., Vancouver, B.C.
Adamant	130952	1912	Blackett's Cove, N.S.	40 3	10 4	5 4	11	10	1 sec.	Thomas and Herman Covey, Indian Harbour, N.S.
Adelaide	134430	1914	Caulfield, B.C.	36 2	8 8	3 6	9	6	2 sec.	John H. Devey, Caulfield, B.C.
Lanenburg	116529	1905	Lanenburg, N.S.	38 5	11 7	5 5	12	6	6 sec.	J. Francis Gray, M.O., Penmont, N.S.
Montreal	107401	1888	Morris Heights, N.Y.	30 0	6 0	2 8	3	2	— sec.	L. R. Dowker, Montreal, Que.
Sorel	126143	1907	Yanaska, Que.	46 5	9 5	3 4	17	10	1 sec.	Joseph Capistran, Yanaska, Que.
Montreal	130538	1911	St. Gabriel de Brandon, Que.	51 0	11 3	3 2	19	13	1 1/2 sec.	St. Maurice Paper Co., Ltd., Montreal, Que.
Vancouver	130694	1911	Vancouver, B.C.	37 7	11 2	5 5	11	9	1 sec.	Walter J. Thickett, Vancouver, B.C.
Bath, Me., U.S.A.	126759	1909	Bath, Me., U.S.A.	32 0	8 3	5 2	5	3	3 sec.	St. Maurice Construction Co., Ltd., Montreal, Que.
Chatham, N.B.	138060	1916	Chatham, N.B.	63 0	18 4	8 0	51	39	4 sec.	Alex. Wilson, et al., J. O., Miramichi River, N.B.
Dorchester	107973	1905	Port Greenville, N.S.	28 0	9 0	3 6	4	3	2 sec.	Edward Cole, Dorchester, N.B.
Alonia N.	133802	1913	Kingson, N.S.	46 8	12 4	6 0	19	18	1 sec.	Charles and Daniel Fleming, Ketch Harbour, N.S.
Alonia S.	103566	1880	Kingson, Ont.	61 1	4 4	4 4	14	10	1 sec.	J. B. Tressider, Montreal, Que.
Vancouver	122925	1907	Vancouver, B.C.	24 3	3 6	3 6	6	4	1 sec.	Gustavo A. Roedde, Vancouver, B.C.
St. Catharines	90770	1886	Port Robinson, Ont.	61 0	10 3	4 6	20	14	2 sec.	Edward Adams, Toronto, Ont.
Montreal	88632	1883	St. Catharines, Ont.	175 0	35 0	15 0	1,031	358	116 sec.	Montreal Transportation Co., Ltd., Montreal, Que.
Advance	90775	1886	Windsor, Ont.	48 8	15 1	4 0	72	49	29 sec.	Wm. A. Kennedy, Manitoquin, Ont.
Ontario	126118	1909	New Westminster, B.C.	68 4	19 8	8 6	31	50	3 sec.	The Minister of the Naval Service, Ottawa, Ont.
Alton	117154	1906	New Westminster, B.C.	28 0	5 8	3 0	3	2	1 sec.	Thomas H. Goldie, New Westminster, B.C.
Alga	138117	1912	Port Guelph, B.C.	40 5	8 1	4 8	10	7	1 sec.	H. J. F. Anderson, Port Guelph, B.C.
Algonquin	111807	1912	Collingwood, Ont.	379 0	46 0	26 0	3, 759	2, 468	151 sec.	The Algonquin Central & Hudson Bay Ry. Co., Sault Ste. Marie, Ont.
Sault Ste. Marie	126865	1887	Toledo, O., U.S.A.	43 0	12 0	5 5	17	10	3 sec.	Robert C. Reid, Cockburn Island, Ont.
Owen Sound	85225	1884	Meaford, Ont.	50 0	13 7	6 0	23	16	30 sec.	W. W. Grant and Wm. Vance, Spanish River, Ont.
Toronto	107362	1898	Toronto, Ont.	55 0	9 2	3 9	14	10	1 sec.	John J. Power, Mattagami Heights, Ont.
Vancouver	116777	1904	Ladners, B.C.	26 0	6 6	2 4	3	2	5 sec.	Harry Abbott, Vancouver, B.C.
Prince Rupert	138176	1913	Ketchikan, Alaska, U.S.A.	33 2	11 4	4 4	11	9	1 sec.	Mrs. Jenny Fritz, et al., Prince Rupert, B.C.
Sault Ste. Marie	103697	1887	Green Bay, Wis., U.S.A.	47 0	9 0	5 0	20	10	1 sec.	W. H. Plummer, Sault Ste. Marie, Ont.
Lanenburg	38247	1885	Tanook, N.S.	38 5	9 8	5 4	11	10	1 sec.	Robt. Rafuse, Blandford, N.S.
Ottawa	77999	1870	St. Catharines, Ont.	96 0	15 3	6 6	32	17	4 1/2 sec.	Israel Clement, Montreal, Que.
Ottawa	131138	1893	Buckingham, Que.	55 8	13 3	5 6	31	18	5 sec.	The Minister of Railways and Canals, Ottawa, Ont.
Port Barwell	97110	1900	Erie, Pa., U.S.A.	37 4	12 0	3 9	10	7	1 sec.	Carl Williams, Port Barwell, Ont.
Victoria	134660	1914	Victoria, B.C.	47 0	9 3	5 6	12	8	1 sec.	Walther A. Dods, Victoria, B.C.
Kenora	111752	1900	Kenora, Ont.	105 0	22 5	4 0	307	143	6 sec.	Lawrence Badreum, Ranny River, Ont.
Algonquin	126518	1910	Coal Island, B.C.	64 0	16 3	5 0	44	16	15 sec.	Al See, Coal Island, B.C.
Victoria	1896	1896	Gravenhurst, Ont.	80 4	15 0	4 6	17	52	11 sec.	The Muskoka Lakes Navigation & Hotel Co., Ltd., Gravenhurst, Ont.
Toronto	103672	1896	Rehault	79 2	17 4	7 8	99	67	130 sec.	Alfred Dickie, Lower Stewiacke, N.S.
Liverpool	97047	1891	Liverpool, N.S.	24 0	4 8	4 5	26	3	3 sec.	W. C. Edwards & Co., Ltd., Ottawa, Ont.
Ottawa	138062	1915	Rockland, Ont.	60 0	13 6	6 3	10	7	1 sec.	Thomas D. McGregor, Montreal, Que.
Montreal	34228	1914	Montreal, Que.	36 0	8 6	2 4	2	1	1 sec.	Fred. L. Barlow, Montreal, Que.
Aida	126764	1909	Chiswick, Eng.	21 2	5 6	2 4	2	1	1 sec.	Fitt River Lumber Co., Ltd., Coquitlam, B.C.
Vancouver	122337	1907	Vancouver, B.C.	34 8	8 8	3 2	9	6	3 sec.	G. Lawson, Victoria, B.C.
Victoria	116499	1899	Chenamus, B.C.	28 0	9 0	3 2	9	6	2 sec.	S. D. Skooldrems and Andrew Fuller, J. O., Vancouver, B.C.
Aloha	137953	1915	Vancouver, B.C.	27 0	11 1	3 3	9	4	2 sec.	C. F. Haskin, Vancouver, B.C.
Airdrie	116789	1904	Steveston, B.C.	35 0	11 1	3 3	9	4	1 sec.	Harry E. Troup, Namatoo, B.C.
New Westminster	126782	1908	Port Essington, B.C.	30 1	9 6	6 1	33	23	50 sec.	W. F. C. Boyd, M.O., Bobcaygeon, Ont.
Ajax	111935	1902	Bobcaygeon, Ont.	54 0	14 6	4 1	7	5	1 sec.	Thomas H. Watts, Prince Rupert, B.C.
Arara	134412	1914	Vancouver, B.C.	35 0	8 3	3 4	7	16	2 sec.	Archie W. Preece, St. John's, Nfld.
Chatham, N.B.	138614	1917	Isaacs Harbour, N.S.	60 0	16 4	6 0	25	16	2 sec.	Frederick H. Chappell, Vancouver, B.C.
Vancouver	138297	1916	Jedediah Is., B.C.	45 0	11 3	5 5	23	13	5 sec.	

*Formerly "Sir S. L. Tilley." †Formerly a sailing vessel. ‡Former name "Victor."

§Former name "Neptune."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons- truction	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	HP. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134110	Alamandine.....	Lunenburg.....	1915	Hackett's Cove, N.S.....	39 8	10 6	5 6	14	13	1/2 sc.	Arthur Fralick, Hackett's Cove, N.S.
107257	Alameda.....	New Westminster.....	1898	Lake Bennett, B.C.....	50 0	12 0	2 5	32	20	2 pa.	John J. McKenna, Lake Bennett, B.C.
88060	Alameda.....	Yarmouth.....	1885	Yarmouth, N.S.....	66 6	13 0	4 3	63	49	10 sc.	A. Strang, Cape Traverse, P.E.I.
122346	Alan.....	Toronto.....	1907	Byng Inlet, Ont.....	29 0	10 1	3 3	6	4	1 1/2 sc.	William H. Argue, Parry Sound, Ont.
126088	Alarbee.....	Vancouver.....	1908	Vancouver, B.C.....	35 9	10 1	5 2	15	10	3 sc.	The Chief Commissioner of Lands, Victoria, B.C.
103454	Alarm.....	Vancouver.....	1893	Georgetown, B.C.....	52 0	13 8	7 0	34	23	5 sc.	The Davis Logging & Trading Co., Ltd., Vancouver, B.C.
107673	Alaska.....	Quebec.....	1899	St. Nicholas, Que.....	73 4	21 7	5 3	51	45	12 sc.	Cie Maritime et Commerciale du Bas St. Laurent, Léves, Ellis Bay, Anticosti, Que.
130445	Alaskan.....	Vancouver.....	1886	Onetka, Ore, U.S.A.....	96 5	19 0	7 1	150	102	13 sc.	George G. Bushby, Victoria, B.C.
134232	Albacore.....	Montreal.....	1914	Boston, Mass., U.S.A.....	95 6	16 3	9 2	96	56	16 sc.	John K. L. Ross, Montreal, Que.
100622	Albani.....	Port Dover.....	1892	Simcoe, Ont.....	36 3	7 6	3 5	5	4	1 sc.	Wm. Davis, Toronto, Ont.
139831	Albatross.....	Ottawa.....	1907	Bristol, R.I., U.S.A.....	60 2	9 2	5 1	19	13	5 sc.	Robert C. Henderson, St. John, N.B.
126886	Alberdyce.....	Vancouver.....	1910	Vancouver, B.C.....	50 0	12 0	6 1	28	19	4 sc.	Morrill Desbrisay, Vancouver, B.C.
126855	Albert C.....	Sorel.....	1911	Three Rivers, Que.....	43 5	12 0	4 2	17	10	3 sc.	St. Lawrence Welding Co., Ltd., Montreal, Que.
111912	Albert Lea.....	New Westminster.....	1888	Jig Harbour, Wash., U.S.A.....	42 8	8 8	4 9	19	13	2 sc.	Wallace Fisheries, Ltd., Vancouver, B.C.
116942	Alberta.....	Kenora.....	1904	Kenora, Ont.....	20 0	5 0	2 0	2	1	1/2 sc.	D. L. Mather, Kenora, Ont.
85765	Alberta ©.....	Montreal.....	1883	Whitefish, G. B.....	309 7	38 2	23 3	2,829	2,377	166 sc.	Canadian Pacific Railway Co., Montreal, Que.
116603	Alberta.....	Montreal.....	1911	Sorel, Que.....	96 4	17 7	6 9	125	62	42 sc.	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
116370	Alberta M.....	Godrich.....	1907	Godrich, Ont.....	69 3	15 0	6 5	38	26	101 sc.	Wm. John Keen and Joseph Millman, Blind River, Ont.
111433	Albion.....	Hullfax.....	1902	Moser's River, N.S.....	35 8	10 5	4 0	9	6	1 sc.	Alfred Dickie, Lower Steviaeke, N. S.
122650	Alesco.....	Ottawa.....	1905	Ballard, Wash., U.S.A.....	69 7	16 8	7 6	70	47	16 sc.	The Minister of the Naval Service, Ottawa, Ont.
112043	Aleyon.....	Quebec.....	1901	Ste. Anne de Chicoutimi, Que.....	63 4	13 9	4 5	44	30	4 sc.	E. Gagnon, Ste. Anne de Chicoutimi, Que.
100096	Aleyone.....	St. John, N.B.....	1892	St. John, N.B.....	36 7	9 1	4 3	15	10	30 sc.	Henry Eagle, Chatham, N.B.
137033	Aldomi.....	Vancouver.....	1911	Vancouver, B.C.....	28 0	7 0	3 0	5	3	1/2 sc.	Edward Clapham, Point Grey, B.C.
133887	Aléhi.....	Vancouver.....	1907	Eyepert, Wash., U.S.A.....	49 3	9 7	2 3	14	9	2 sc.	Imperial Munitions Board, Ottawa, Ont.
116862	Alert.....	Ottawa.....	1904	Terrebonne, Que.....	68 3	12 4	5 2	53	26	10 sc.	Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
92421	Alert.....	Prescott.....	1886	Morrisburg, Ont.....	64 0	14 4	5 0	35	28	9 sc.	The Minister of Railways and Canals, Ottawa, Ont.
90699	Alert.....	St. Catharines.....	1886	Port Robinson, Ont.....	58 4	15 1	7 2	47	32	28 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
86871	Alert.....	Sydney, N.S.....	1880	South Bristol, Me., U.S.A.....	98 3	19 1	7 4	105	63	10 sc.	Johnston & Carswell, Sydney, N.S.
107320	Alert.....	Victoria.....	1899	New Denver, B.C.....	31 5	6 7	3 0	3	2	1 sc.	John J. McKenna, Lake Bennett, B.C.
107315	Alert.....	Victoria.....	1898	Linderman, B.C.....	34 0	8 0	4 0	7	5	1 sc.	John J. McKenna, Lake Bennett, B.C.
94807	Alert.....	Victoria.....	1889	Victoria, B.C.....	62 0	15 4	6 5	44	26	80 sc.	The Western Transport Co., Ltd., Nanaimo, B.C.

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

121774	Alert	1905	Selkirk, Man.	55 0	12 0	5 5	28	19	8 sec.	The Northern Fish Co., Ltd., Selkirk, Man.
107748	Aletha	1901	Kingston, Ont.	107 4	19 7	5 5	171	90	25 sec.	Canada Steamship Lines Ltd., Montreal, Que.
111593	Aletha V	1918	Vancouver, B.C.	31 4	10 2	4 8	10	10	1 sec.	John W. Clappell, Vancouver, B.C.
122559	Alex Clark	1911	Collingwood, Ont.	94 2	18 3	8 8	99	65	29 sec.	Canadian Stewart Co., Ltd., Toronto, Ont.
96888	Alexander Fraser	1890	Pembroke, Ont.	140 0	41 0	7 5	320	174	23 pa.	Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
121553	Alexandra	1902	Charham, N.B.	97 0	24 6	9 0	201	136	38 sec.	Miramichi Steam Navigation Co., Chatham, N.B.
116340	Alexandra	1903	Ternsacumigne, Que.	148 0	45 4	8 2	417	280	96 pa.	Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
100598	Alexandra	1889	Sorel, Que.	79 2	13 8	4 2	34	23	6 sec.	W. N. McDonald, Sydney, N.S.
107380	Alexandra	1902	Port Morien, N.S.	44 2	10 4	4 8	14	10	12 sec.	Robt. Spencer, Port Morien, N.S.
138225	Alexandra I	1904	Lachena, Que.	26 6	5 7	2 2	1	1	1 sec.	Gaston Lavigne, Montreal, Que.
111937	Alfred	1895	Lindsay, Ont.	48 5	19 0	4 6	89	61	35 pa.	A. L. Davis, Peterborough, Ont.
126193	Alfred Clarke	1907	Saugateck, Mich., U.S.A.	110 0	22 2	8 6	229	148	10 sec.	The Pelote & Lake Erie Navigation Co., Ltd., Pelee Island, Ont.
122578	Alfreda	1907	Tusket Wedge, N.S.	54 0	12 3	6 0	15	10	6 sec.	Louis A. Lethane, M.O., Tusket Wedge, N.S.
116697	Alfreda	1904	Fort Frances, Ont.	46 0	14 0	5 5	69	47	3 sec.	The Rat Portage Lumber Co., Ltd., St. Boniface, Man.
111763	Algona	1901	Kingston, Ont.	36 6	8 4	3 4	10	10	10 sec.	Chas. W. Archer, Bracebridge, Ont.
111803	Algona	1901	Toronto, Ont.	104 0	26 3	11 0	157	107	54 sec.	International Transit Co., Sault Ste. Marie, Ont.
122076	Algonquin	1906	Huntsville, Ont.	120 0	23 8	6 5	305	200	32 sec.	The Huntsville Lake of Bays & Lake Simcoe Navigation Co., Ltd., Huntsville, Ont.
103236	Alice	1894	Sydney, Que.	70 7	17 5	7 6	67	46	15 sec.	Howard A. Foster, St. Catharines, Ont.
103883	Alice	1896	Aylmer, Que.	31 0	8 3	3 0	2	3	3 sec.	A. Whelan, Aylmer, Que.
111862	Alice	1901	Kippewa, Que.	70 8	13 4	5 0	48	34	10 sec.	J. R. Pooth, Ottawa, Ont.
222980	Alice	1907	Toronto, Ont.	125 5	25 8	10 8	403	279	54 sec.	The Minister of Agriculture, Ottawa, Ont.
117001	Alice A	1895	Portland, Ore., U.S.A.	37 0	7 6	2 6	9	6	1 sec.	A. A. Price and G. R. Cross, Gibson's Landing, B.C.
138192	Alice C	1906	Dockton, Wash., U.S.A.	58 0	12 0	4 0	13	10	1 sec.	C. L. Paeking Co., Ltd., New Westminster, B.C.
138246	Alice E. L.	1906	West Dover, N.S.	38 6	9 8	5 0	11	10	1 sec.	Fred Morash, West Dover, N.S.
107169	Alice G	1902	Collingwood, Ont.	60 0	12 0	6 3	36	25	5 sec.	Dominion Fish Co., Ltd., Winnipeg, Man.
138582	Alice H	1907	Halifax, N.S.	47 6	12 2	5 9	16	14	1 sec.	Charles Rutolph, M.O., Lockport, N.S.
132785	Alice J	1913	Wilson's Beach, N.B.	47 0	13 0	5 6	19	13	1 sec.	Comors Bros., Ltd., et al., Blacks Harbour, N.B.
136019	Alice J	1916	Hillsburn, N.S.	61 5	15 5	6 4	34	32	8 sec.	Bernard Longmire, M.O., Hillsburn, N.B.
118657	Alice M	1904	Pubnico, N.S.	50 0	16 0	7 0	30	28	1 sec.	Reynoudrot, M.O., Petit de Grat, N.S.
136256	Alice M	1907	Indian Harbour, N.S.	38 0	10 6	5 4	12	11	1 sec.	A. P. Sanson and Wm. Bonclie, River Bourgeois, N.S.
132909	Alice M	1904	Prince Albert, Sask.	72 0	18 0	4 0	421	41	4 pa.	Prince Albert Lumber Co., Ltd., Prince Albert, Sask.
116256	Alice Maud	1904	Shelburne, N.S.	65 0	14 3	6 6	45	30	16 sec.	Hilaire T. Le Blanc, Wedgeport, N.S.
136296	Alice R.	1909	The Eagle, N.B.	64 7	18 0	7 5	75	51	40 sec.	Miss Alma F. Gregory, St. John, N.B.
122036	Alice R. and Jennie	1910	Whites Cove, N.S.	60 2	11 2	7 1	38	36	3 sec.	C. M. and A. R. Hicks, Westport, N.S.
134104	Alice (The)	1904	Kamloops, B.C.	52 2	11 5	3 0	20	13	3 pa.	Northern Construction Co., Ltd., Winnipeg, Man.
141026	Alford Bay	1905	Vancouver, B.C.	67 6	17 3	6 9	60	35	4 sec.	Maritime Fisheries, Ltd., Vancouver, B.C.
107937	Alfred	1893	Pine Lake, Ont.	31 0	11 5	3 4	6	4	25 pa.	F. Baker, Barrie, Ont.
122354	Alfred	1904	Vancouver, B.C.	26 5	8 4	2 7	5	5	4 sec.	John A. McMillan, North Vancouver, B.C.
110722	Allan Sewell	1904	Vancouver, B.C.	42 2	8 2	4 1	12	8	4 sec.	A. H. Sewell, Gibson, N.B.
134275	Alonah	1912	Victoria, B.C.	26 4	6 9	3 0	2	2	1 sec.	Fredrick A. Nickells, Victoria, B.C.
112196	Alonah	1917	Vancouver, B.C.	35 0	10 2	5 1	14	9	13 sec.	H. R. Whitman and G. F. Allen, J.O., Vancouver, B.C.
107306	Allena May	1897	Walker Point, Ont.	47 5	7 6	3 1	16	11	3 sec.	Walker Fowler, Mestora, Muskoka, Ont.
133774	Alliance No. 1	1894	Ballard, Wash., U.S.A.	44 3	12 1	5 6	18	9	2 sec.	Geo. W. Nickerson, Prince Rupert, B.C.
100414	Alliance	1890	Brookville, Ont.	40 0	8 0	3 0	11	8	15 sec.	A. W. Jones and D. M. Jones, J.O., Ottawa, Ont.
137970	Allie	1915	Vancouver, B.C.	21 4	5 0	2 0	2	1	1 sec.	Joseph Vin, Montreal, Que.
138753	Allie	1910	Vancouver, B.C.	35 5	9 9	4 1	15	10	2 sec.	Arch. McClelland and H. J. MacDonald, J.O., Vancouver, B.C.
130483	Alvina	1911	New Westminster, B.C.	100 0	23 3	6 0	356	211	0 pa.	M. R. Cliff and E. T. McClelland, Vancouver, B.C.
112274	Alvina	1903	Sorel, Que.	51 7	12 3	6 0	19	13	3 sec.	Chas. Marcoux, Borthier, Que.
122415	Alvina C	1906	Midland, Ont.	60 0	9 2	3 2	19	13	6 sec.	The Turner Lumber Co., Ltd., Toronto, Ont.
130175	Alvina M	1907	Vancouver, N.S.	43 6	10 5	6 0	16	15	1 sec.	Henry Miller, Eastern Point, N.S.
131104	Alvonde	1912	Brookville, Ont.	36 4	6 1	2 2	2	2	1 sec.	Young Men's Christian Association, Winnipeg, Man.
110945	Alpha	1902	Winnipeg, Man.	20 0	6 2	2 2	2	2	1 sec.	John Alexander Johnston, Lennox, Ont.
122603	Alpha	1906	Hamilton, Ont.	33 0	6 3	2 5	2	2	1 sec.	Johns-McLaughlin White Horse, Y.T.
107924	Alpha	1906	Juncosa, Alaska, U.S.A.	52 0	8 5	6 0	10	7	12 sec.	The Minister of Marine and Fisheries, Ottawa, Ont.
111495	Alpha	1900	Levis, Que.	47 5	12 2	4 9	20	9	12 sec.	"Saugateck," formerly a sailing vessel.

¹Foreign name "North." ²Foreign name "George J. Stevens." ³Formerly "Richelieu." ⁴Foreign name "Saugateck." ⁵Formerly a sailing vessel.

⁶Foreign name "Yukon."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *Italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en chevaux et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
122047	<i>Alpha</i>	St. Andrews	1906	St. Andrews, N.B.	43 0	12 0	4 6	15	10	1 se.	Connors Bros., Ltd., Black's Harbour, N.B.
111602	Alphonse Racine	Montreal	1904	Sorel, Que.	79 2	18 6	10 1	121	69	42 se.	Wm. B. Smith, Hamilton, Bermuda, B.W.I.
130314	Alporto	Toronto	1912	Gravenhurst, Ont.	83 1	13 9	5 9	101	79	7 se.	John J. Beaumont, et al., Muskoka Ont.
116790	<i>Alta</i>	Vancouver	1904	San Francisco, Cal., U.S.A.	32 0	7 7	2 8	9	6	1 se.	Britannia Copper Syndicate, Ltd., Vancouver, B.C.
133771	<i>Alair</i>	Victoria	1913	Victoria, B.C.	21 0	4 8	2 2	1	1	3 se.	Henry B. Round, Victoria, B.C.
111447	Alva	Ottawa	1901	Ottawa, Ont.	50 0	13 2	4 6	27	22	12 se.	The Minister of Public Works, Ottawa, Ont.
130289	Alva B.	St. Catharines	1896	Ashtabula, O., U.S.A.	62 7	15 8	6 9	53	36	7 se.	James S. Jones, Port Maitland, Ont.
1116319	Alva W.	Amherstburg	1908	Collingwood, Ont.	65 0	16 0	6 9	39	27	10 se.	Brayton G. Westcott and Freeman S. Wright, J.O., Leamington, Ont.
137925	<i>Alein</i>	Chatham, N.B.	1915	St. Louis, N.B.	35 0	10 3	4 5	11	10	3 se.	Fredrick Savoy, Esquimaux, N.B.
130960	<i>Alein S.</i>	Lunenburg	1912	Tancook, N.S.	53 2	14 6	7 6	29	27	1 se.	Michael D. McDonald, et al., J.O., Arisaig, N.S.
59929	Amanda	Quebec	1868	Island of Orleans, Que.	32 0	11 0	5 0	11	4	10 se.	Hycynthia Beaulieu Lévis, Que.
121844	Amanda	Toronto	1903	Ahmie Harbour, Ont.	36 0	7 5	3 2	6	4	1 se.	William Stewart, Tp of Croft, Dist. Muskoka, Ont.
126689	<i>Anapook</i>	Montreal	1908	Hamilton, Ont.	51 2	10 9	7 6	26	18	11 se.	James Wm. Duncan, Montreal, Que.
138902	<i>Androssia</i>	New Westminster	1917	Steveston, B.C.	41 0	9 8	4 2	15	4	1 se.	C. L. Paeking Co., Ltd., New Westminster, B.C.
126505	Amelia C.	Victoria	1909	Kelowna, B.C.	33 0	8 0	3 0	4	3	4 se.	John T. Campbell, Kelowna, B.C.
130271	Amelia Mac.	Winnipeg	1910	Winnipeg, Man.	66 0	17 0	7 0	65	44	16 se.	The Arctic Ice Co., Ltd., Winnipeg, Man.
100662	America	Kingston	1895	Kingston, Ont.	153 2	33 2	6 4	521	266	200 hp.	Canada Steamship Lines Limited, Montreal, Que.
122579	America	Liverpool	1907	Stony Is., N.S.	34 0	12 5	5 0	12	11	1 se.	Ralph Leslie Liverpool, N.S. and P. L. Leslie, Eagle Head, N.S.
78142	<i>Amherst</i>	Charlottetown	1877	Preston, G.B.	113 0	18 5	10 5	138	94	66 se.	Gulf Pulp & Paper Co., Quebec, P.Q.
122438	<i>Amigo</i>	Winnipeg	1909	Walkerville, Ont.	41 0	10 3	3 8	17	16	2 se.	Mrs. M. J. Sims, Manitowaning, Ont.
129275	<i>Amisk</i>	Winnipeg	1909	Selkirk, Man.	64 0	13 0	4 5	32	21	2 se.	S. E. S. and S. M. Simard, O., Inausa, Man.
130517	<i>Amia</i>	Weymouth	1915	Tretulavik, Que.	46 2	12 2	6 2	14	12	3 se.	George T. Harit, Montreal, Que.
112121	<i>Amphitrite</i>	Lunenburg	1903	Malbone Bay, N.S.	111 2	25 6	10 2	149	84	3 se.	Larder Brothers Wrecking Co., Ltd., Halifax, N.S.
138721	<i>Amadea</i>	New Westminster	1917	New Westminster, B.C.	29 6	6 9	3 3	5	3	3 se.	Christ Weaz, Vancouver, B.C.
98073	Amur	Vancouver	1890	Sunderland, G.B.	216 0	28 1	17 9	907	570	150 se.	Coastwise Steamship & Cargo Co., Ltd., Vancouver, B.C.
111916	Amy	Toronto	1901	Corwall, Ont.	55 2	15 7	4 0	25	17	10 se.	The W. J. Poiroux Co., Ltd., Montreal, Que.
121723	Amy	Vancouver	1906	Vancouver, B.C.	40 5	10 4	5 9	20	15	7 se.	Edward J. Maynard and George L. Clayton, Prince Rupert, B.C.
129275	<i>Anadine</i>	New Westminster	1909	New Westminster, B.C.	31 3	8 0	2 9	9	5	1 se.	William C. and Herbert F. Miller, J.O., New Westminster, B.C.
129568	Anaroose	Victoria	1909	Kaslo, B.C.	70 3	23 0	5 8	68	40	1 se.	Everett Cooke, Kaslo, B.C.
112182	Anchora	Toronto	1902	Kingston, Ont.	42 0	7 8	3 1	6	3	5 se.	Robt. J. McKee, Toronto, Ont.
138294	<i>Anchorite</i>	Vancouver	1913	Richardson, Wash., U.S.A.	30 0	13 0	4 2	16	11	1 se.	Stidley Canning Co., Ltd., Sidney, B.C.
130745	<i>Andante</i>	Vancouver	1911	Vancouver, B.C.	31 6	9 1	4 2	10	7	13 se.	G. B. Ehrenborg, Vancouver, B.C.

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

Table listing steam vessels with columns for name, origin/destination, date, and other details. Includes entries like 'Anderina', 'Andover', 'Andrew J. Smith', etc.

1 Former name "Effie B." 2 Formerly a sailing vessel. 3 Formerly "Lady Glover." 4 Formerly "Little Miss." 5 Foreign name "Evelyn." 6 Foreign name "Alta."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Navires de Motor Vessels in *Italics*—Les navires des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Constructeur.	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Tonnage in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Tonnage brut.	Registered Tonnage.	HP. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
116902	Arolic.	Ottawa.	1901	Kiel, Germany.	165 4	37 2	20 2	7 0	762	518	44 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.	
94930	Arolic.	Pictou, Ont.	1893	Grindstone Isl., N.Y., U.S.	96 3	19 3	7 0	10 1	101	83	5 sc.	The Rathbun Co., Deseronto, Ont.	
134038	Arca.	Lonsberg.	1914	Eastern Points, N.S.	40 2	10 0	5 2	12 11	12	11	3 sc.	Francis Mason, Eastern Points, N.S.	
118923	Argo.	Sarnia.	1906	Wallaceburg, Ont.	50 4	11 6	4 8	20 13	20	13	2 sc.	David Foster, Port Colwell, Ont.	
59489	Argo.	Pictou, N.S.	1884	Lockeport, N.S.	55 0	13 0	6 1	27 19	27	19	13 sc.	The Pictou County Contractor Supply Co., Ltd., New Glasgow, N.S.	
134425	Argyl.	Vancouver.	1915	Vancouver, B.C.	27 3	8 5	3 0	4	4	3	1 sc.	Harry Asson, New Westminster, B.C.	
107220	Argyle.	Konora.	1900	Keewatin, Ont.	79 0	16 4	5 5	97	66	66	11 sc.	James Fraser and R. S. Fraser, J. O., Keewatin, Ont.	
96859	Argyle.	Sarnia.	1891	Buffalo, N.Y., U.S.A.	68 0	15 3	7 0	41	28	30	30 sc.	William A. Warren, Toronto, Ont.	
116454	Armahe.	Vancouver.	1903	Vancouver, B.C.	34 9	8 7	3 9	14	9	28	3 sc.	Alfred Harris, North Vancouver, B.C.	
131021	Armahe.	Victoria.	1912	Kelowna, B.C.	42 7	10 1	4 0	13	9	9	2 sc.	James I. Campbell, Kelowna, B.C.	
111570	Armahe.	Toronto.	1900	Harrison, N.J., U.S.A.	25 0	6 2	2 8	3	2	2	5 sc.	John H. Mason, Toronto, Ont.	
130930	Arpa.	Montreal.	1912	Laclaire, P.Q., U.S.A.	37 0	6 7	4 6	12	2	2	2 sc.	Harland Routh, Montreal, Que.	
74388	Arpa.	Kingston.	1873	Chatham, Ont.	176 2	25 0	11 5	467	318	150	150 sc.	Adolf Lomper, Montreal, Que.	
129527	Armenia.	Vancouver.	1907	Vancouver, B.C.	56 5	14 5	7 2	103	46	32	103 sc.	Wm. Walter White, Vancouver, B.C.	
121350	Armore.	Toronto.	1914	Bark's Falls, Ont.	87 5	17 5	6 2	191	115	115	16 sc.	A. A. Agar, Bark's Falls, Ont.	
134919	Aronek.	Kenora.	1914	Kenora, Ont.	31 5	8 6	5 9	9	6	6	2 sc.	James Bingham, Kenora, Ont.	
120280	Arono.	New Westminster.	1909	Steveston, B.C.	26 7	6 4	2 4	2	2	2	1 sc.	William R. Jaynes, New Westminster, B.C.	
122332	Arrah Wanna.	Kingston.	1880	Panama, N.Y., U.S.A.	54 8	9 4	2 7	20	16	16	1 sc.	Peter Cavanaugh, Perth, Ont.	
131027	Arranmore.	Vancouver.	1912	Vancouver, B.C.	36 7	10 2	4 9	14	9	11	1 sc.	John Emerson, Vancouver, B.C.	
122602	Arrow.	Kenora.	1907	Alex in Bay, N.Y., U.S.A.	24 0	6 0	3 0	3	3	3	1 sc.	J. W. Stone Boat Manufacturing Co., Ltd., Kenora, Ont.	
110852	Arrow.	Kingston.	1901	Kingston, Ont.	55 1	7 2	2 8	4	2	2	1 sc.	The Minister of the Naval Service, Ottawa, Ont.	
100689	Arrow.	New Westminster.	1893	Revelstoke, B.C.	36 6	6 4	3 1	5	1	1	2 sc.	C. W. Vanderberg, Nakusp, B.C.	
122160	Arrow.	Vancouver.	1906	Vancouver, B.C.	15 5	5 0	2 0	1	1	1	1 sc.	William Campsie, Vancouver, B.C.	
112301	Archemise.	Pugetborough.	1902	Pugetborough, Ont.	34 0	7 8	2 9	11	9	9	7 sc.	Frederick J. Squires, Havelock, Ont.	
103552	Arthur.	Chatham, N.B.	1895	Chatham, N.B.	40 0	8 3	3 8	5	5	5	3 sc.	Joseph Levesque, Roberval, Que.	
103567	Arthur.	Quebec.	1891	Lakerath, Que.	76 0	18 0	6 0	105	71	12	68 sc.	Kawartha Lakes Navigation Co., Ltd., Lindsay, Ont.	
107844	Arthur C.	Toronto.	1899	Port Bowen, Ont.	47 5	13 8	4 6	22	21	16	1 sc.	George Hare and Caleb Hopkins, Port Credit, Ont.	
134817	Arthur J.	Kenora.	1914	The Pas, Man.	49 0	13 0	4 0	24	33	33	2 sc.	The Minister of Customs, Ottawa, Ont.	
128905	Arthur W.	Halifax.	1893	Dartmouth, N.S.	60 4	17 0	7 9	36	2	2	10 sc.	M. R. Davis, Kingston, Ont.	
100667	Aryan.	Vancouver.	1906	Vancouver, B.C.	32 4	10 3	4 0	12	5	5	1 sc.	Takido Nakata, et al., Vancouver, B.C.	
122155	Asahé.	Vancouver.	1906	Vancouver, B.C.	37 5	10 3	4 0	12	5	5	1 sc.	Northern Canning Co., Ltd., Vancouver, B.C.	
126623	Asahimaru.	Vancouver.	1907	Vancouver, B.C.	37 5	9 4	2 9	9	9	9	1 sc.	Northern Canning Co., Ltd., Vancouver, B.C.	

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

Number	Name	Company	Tonnage	Length	Breadth	Depth	Speed	Engine	Notes
130727	Asaph F.	Lunenburg	43 6	10 8	6 6	15	14	1 sc.	Clansea Cleveland, Blandford, N.S.
126291	Asswaigit	Vancouver	32 4	9 2	3 3	16	11	1 sc.	W. H. Miller, Prince Rupert, B.C.
120880	Asiganzik	Victoria	27 6	11 0	3 3	8	6	1 sc.	A. J. Davidge, Victoria, B.C.
128406	Asmazak	Montreal	113 6	7 8	3 0	5	3	1 sc.	Louis Goodland, Caughnawaga, Que.
122588	Aspy	Yarmouth	112 0	25 0	8 6	215	49	42 sc.	The North Shore Steamship Co., Ltd., Sydney, N.S.
126931	Assiniboia	Montreal	326 5	43 8	23 6	3,880	2,480	298 sc.	Canadian Pacific Railway Co., Montreal, Que.
120277	Atlabaska River	Winnipeg	136 0	28 0	3 6	371	231	9 pa.	The Hudson Bay Co., London, G.B.
82764	Atlabaska	Montreal	298 8	38 2	23 3	2,349	116 sc.	116 sc.	Canadian Pacific Railway Co., Montreal, Que.
116941	Athenian	Kenora	33 0	7 0	3 2	4	3	2 sc.	James H. Ashdown, Winnipeg, Man.
131053	Atkokan	Port Arthur	362 0	28 8	18 0	2,004	1,262	144 sc.	The Montreal Transportation Co., Ltd., Montreal, Que.
120776	Atkokan	Collingwood	31 5	8 3	3 7	16	6	2 sc.	James R. Lucas, Toronto, Ont.
126819	Atlatlak	Prince Rupert	31 7	8 0	3 3	16	6	2 sc.	Charles A. G. Robinson, Hartley Bay, B.C.
126733	Atlas	Lunenburg	61 4	26 0	7 0	52	50	1 sc.	Stinson Neas, Lunenburg, N.S.
135747	Atli	Sackville	61 4	12 4	4 8	10	11	30 sc.	Prescott Lumber Co., New Mills, N.B.
135747	Atli	New Westminister	41 0	11 6	5 2	17	12	2 sc.	George W. Nickerson, Prince Rupert, B.C.
119254	Atomite	Victoria	28 0	7 7	3 5	10	11	1 sc.	Victoria Chemical Co., Ltd., Victoria, B.C.
138234	Attention	Lunenburg	42 7	10 6	6 4	13	14	1 sc.	Morrison Pulpitover, M.O., Blandford, N.S.
138301	Attica	Vancouver	28 0	8 0	3 2	4	3	1 sc.	Frederick H. Chappell, Vancouver, B.C.
138694	Audrey A.	Barrington Passage	23 3	9 0	4 4	11	10	10 sc.	John A. Stewart, Cape Island, N.S.
122411	Audrey C.	Midland	71 8	16 0	8 1	87	89	10 sc.	French River Boom Co., Ltd., Toronto, Ont.
121685	Augusta	Yarmouth	34 0	11 0	6 0	11	11	1 sc.	Clifford Selig, Black Rocks, N.S.
137877	Augustine B.	Lunenburg	42 8	10 8	6 2	15	14	1 sc.	James A. Borden, M.O., Dominion No. 6, C.B., N.S.
66063	Aurelia	Montreal	56 4	14 2	7 8	34	23	9 sc.	Robert Weddell, Trenton, Ont.
133834	Aurelia G.	Montreal	79 9	22 1	11 4	137	9	54 sc.	The Sincennes-McNaughton Line, Ltd., Vancouver, B.C.
121800	Aurore	Lunenburg	36 2	10 8	5 0	10	4	4 sc.	John T. Stewart, M.O., West Point, P.E.I.
130764	Aurore 2nd	Kingston	58 8	13 0	4 1	24	16	2 sc.	Frank Searle, Keresley, Coventry, England.
135311	Aurore Marie	Quebec	115 0	14 0	3 3	59	11	2 sc.	Alfred Girard, St. Fulgence, Que.
107525	Australian	Victoria	115 0	24 8	4 0	422	308	7 pa.	British Yukon Navigation Co., Ltd., 589 Granville St., Vancouver, B.C.
103196	Autolycus	Vancouver	53 1	10 0	5 5	25	17	9 sc.	The Hastings Shingle Manufacturing Co., Ltd., Vancouver, B.C.
107903	Ava M.	St. Andrews	44 5	13 3	6 0	17	11	1 sc.	Geo. A. Johnson, Grand Manan, N.B.
138036	Avery L. C.	Barrington Passage	30 0	9 2	4 6	10	10	1 sc.	Cleveland Crowell, Clarke's Harbour, N.S.
134136	Aviso	Quebec	54 7	14 6	7 0	52	22	13 sc.	Quebec Harbour Commissioners, Quebec, Que.
94724	Avon	Halifax	75 6	19 6	10 0	65	41	5 sc.	Pennisa S.S. Co., Ltd., Halifax, N.S.
138928	Avonlea	Chatham, N.B.	58 4	14 0	5 8	47	24	8 sc.	Joseph L. Phillips and John W. Nicholl, Mira Gut, N.S.
122347	Awahwanus 2nd	Toronto	44 0	12 3	4 5	50	41	8 sc.	Frederick Mills, Besamari, P.O., Muskoka, Ont.
121796	Aycanora	Vancouver	30 8	6 5	2 3	3	2	2 sc.	Vancouver Lumber Co., Ltd., Vancouver, B.C.
134545	Aylmer	Ottawa	41 5	11 6	4 7	16	7	2 sc.	The Minister of Public Works, Ottawa, Ont.
122279	Aylmer	Montreal	50 0	9 3	4 0	12	8	1 sc.	Norman K. Laxton, Banff, Alberta.
126539	Agada	Montreal	38 9	9 3	6 3	10	7	2 sc.	William Guthbert, Montreal, Que.
141910	Azores II	Vancouver	43 6	11 5	5 7	25	12	2 sc.	International Petroleum Co., Ltd., Toronto, Ont.
99402	Azov	Toronto	285 0	38 5	25 9	2,332	1,312	225 sc.	Peter Seellis, Vancouver, B.C.
134098	Azuma	Vancouver	39 0	9 3	4 2	12	8	4 sc.	Toyotaro Sugiyama, Vancouver, B.C.
134217	iw Azurite	Prince Rupert	57 1	15 8	6 7	39	26	4 sc.	Granby Consolidated Smelting & Power Co., Ltd., Vancouver, B.C.
120881	in B.	Vancouver	49 4	12 5	5 5	28	19	2 sc.	Merrill DesBrisay, Vancouver, B.C.
126516	B. X.	Victoria	127 5	28 0	5 1	513	323	27 pa.	British Columbia Express Co., Ashcroft, B.C.
130773	B. C. L.	Sault Ste. Marie	44 0	12 0	5 2	18	9	2 sc.	Morton J. Burke, Marksville, Ont.
138174	B. C. M. No. 1	Prince Rupert	41 8	12 4	4 8	14	10	2 sc.	Ilume B. Babington, Prince Rupert, B.C.
120682	B. C. P.	Vancouver	80 5	18 0	7 8	121	83	22 sc.	The Packers Steamship Co., Ltd., Vancouver, B.C.

¹Foreign name "Gauss," ²Formerly "Morah II," ³Formerly "Alexandra" and "Sunbeam," ⁴Formerly a sailing vessel, ⁵Formerly name "Ethel May," ⁶Foreign name "John B. Trevor," ⁷Foreign name "Columbus," ⁸Formerly name "Success," ⁹Foreign name "Troy."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à anbas; Sc., Screw—à hélice.
 © Equipped with Wireless—Mun de la T.S.F.—Names of Motor Vessels in *italics*— Les noms des vaisseaux à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Longueur en pieds et 10ths.	Breadth in feet and 10ths.	Largeur en pieds et 10ths.	Depth in feet and 10ths.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
131296	B. C. R.	New Westminster.	1912	Vancouver, B.C.	39 0	39 0	10 8	5 0	18	12	2 sc.	British Columbia Refining Co., Ltd., Vancouver, B.C.	
134077	B. & J.	Vancouver.	1912	Vancouver, B.C.	40 0	40 0	9 6	3 3	13	9	1 sc.	Marsh Hinton Powers Co., Ltd., New Westminster, B.C.	
133708	B. and R.	Vancouver.	1912	Vancouver, B.C.	30 2	30 2	9 3	2 1	10	7	1 sc.	Mrs. Rodha M. Wilson, Vancouver, B.C.	
131032	B. C. Boy.	Vancouver.	1912	Port Guelion, B.C.	62 0	62 0	17 5	7 2	61	42	16 sc.	Beaver Tow Boat Co., Ltd., Vancouver, B.C.	
130883	B. C. Express.	Victoria.	1912	Sotha Creek, B.C.	121 3	121 3	27 9	4 8	449	283	9 pa.	British Columbia Express Co., Ashcroft, B.C.	
133988	B. C. Kid.	New Westminster.	1913	Port Guelion, B.C.	50 0	50 0	11 7	4 4	21	15	2 sc.	V. Martinoli, M.O., Port Guelion, B.C.	
134076	B. C. Maid.	Vancouver.	1893	Seaside, Wash., U.S.A.	65 0	65 0	14 7	5 7	80	26	8 sc.	Henry C. Macaulay & Co., Ltd., Vancouver, B.C.	
107397	B. M. Fraser.	Toronto.	1900	Owen Sound, Ont.	69 0	69 0	17 0	7 8	50	34	10 sc.	Roger Miller & Sons, Ltd., Toronto, Ont.	
138454	B. Paul.	Sorel.	1917	Sorel, Que.	49 5	49 5	12 9	4 0	24	14	3 sc.	Captain Joseph Paul, Sorel, Que.	
126274	B. White.	New Westminster.	1908	Ballard, Wash., U.S.A.	42 9	42 9	8 9	2 7	10	2	2 sc.	Herbert Rushton, New Westminster, B.C.	
126805	B. & M. LeBlanc.	Yarmouth.	1910	Tusket Wedge, N.S.	51 0	51 0	14 6	7 0	33	12	8 sc.	Henry A. LeBlanc, M. O., Tusket Wedge, N.S.	
133734	Baboo.	Vancouver.	1909	Doekton, Cal., U.S.A.	39 5	39 5	13 4	4 5	18	13	2 sc.	Kingcome Navigation Co., Ltd., Vancouver, B.C.	
134456	Bachelor.	Vancouver.	1911	Vancouver, B.C.	38 5	38 5	10 4	4 9	15	10	1 sc.	Victoria Whaling Co., Ltd., Victoria, B.C.	
107715	Baily.	Vancouver.	1889	Lake Bennett, B.C.	110 0	110 0	21 0	5 0	193	132	15 sc.	British Yukon Navigation Co., Ltd., Vancouver, B.C.	
100396	Balzo.	Windsor, Ont.	1893	Cleveland, O., U.S.A.	132 0	132 0	27 0	12 0	247	108	18 sc.	John Charlton, Lynchdock, Ont.	
100655	Ballena.	Vancouver.	1882	Victoria, B.C.	176 8	176 8	30 0	11 0	869	377	83 sc.	The Terminal Steam Navigation Co., Ltd., Vancouver, B.C.	
107209	Balmoral.	Winnipeg.	1889	Kenora, Ont.	53 5	53 5	10 0	3 6	37	23	2 sc.	L. Bellefeuille, Kenora, Ont.	
140881	Baltic Rose.	Vancouver.	1914	Vancouver, B.C.	33 6	33 6	8 9	3 0	10	7	1 sc.	George West, Vancouver, B.C.	
134219	Baldpate.	Prince Rupert.	1909	Prince Rupert, B.C.	25 9	25 9	8 0	3 0	4	4	1 sc.	Halburton Peck, Prince Rupert, B.C.	
133761	Banaberton.	Victoria.	1913	Victoria, B.C.	50 8	50 8	12 5	5 4	21	12	5 sc.	The Portland Cement Construction Co., Ltd., London, Eng.	
111834	Bancroft.	Lindsay.	1903	Lindsay, Ont.	37 5	37 5	8 5	3 0	10	7	7 pa.	R. C. Carter, M.O., Deseronto, Ont.	
111839	Baptiste.	Lindsay.	1902	Lindsay, Ont.	37 4	37 4	7 7	3 0	5	5	6 pa.	R. C. Carter, M.O., Deseronto, Ont.	
111825	Barbara.	Vancouver.	1901	Vancouver, B.C.	32 0	32 0	11 7	4 8	15	10	3 sc.	Geo. C. McDonald, Vancouver, B.C.	
131005	Barbara K.	St. John, N.B.	1908	Wilson's Beach, N.B.	28 2	28 2	8 0	5 3	8	5	3 sc.	James K. Kelly, St. John, N.B.	
131282	Barbara Yount.	Victoria.	1914	Cowichan Bay, B.C.	45 0	45 0	12 7	5 7	29	20	7 sc.	Elco Tow-Boat Co., Ltd., Victoria, B.C.	
123373	Barnet.	Vancouver.	1907	Barnet, B.C.	36 8	36 8	8 7	4 6	12	25	3 sc.	James Stimmons, Stinson Sound, B.C.	
103934	Baskatong.	Ottawa.	1895	Seattle, Wash., U.S.A.	53 6	53 6	16 0	3 7	13	29	4 sc.	Fredrick Buscombe, Vancouver, B.C.	
131134	Batehavana.	Ottawa.	1912	Baskatong, Que.	46 0	46 0	16 0	3 4	13	8	20 pa.	John Gilmore, Ottawa, Ont.	
99049	Bayfield.	Ottawa.	1889	Meadowside, G.B.	140 0	140 0	24 1	11 3	276	171	4 sc.	Minister of Railways and Canals, Ottawa, Ont.	
121807	Bear River.	Digby.	1905	Shelburne, N.S.	90 0	90 0	20 0	8 4	104	71	16 sc.	The Minister of the Naval Service, Ottawa, Ont.	
123199	Beat the Wind.	Chatham, N.B.	1908	Bay du Vin, N.B.	37 0	37 0	10 8	4 9	12	4	3 pa.	John E. Woodworth, Bear River, N.S.	
100865	Beatrice.	Quebec.	1883	Three Rivers, Que.	64 5	64 5	13 9	5 2	40	27	10 pa.	A. Baptiste, Three Rivers, Que.	
107949	Beatrice.	St. Catharines.	1900	Dunville, Ont.	35 8	35 8	6 6	5 0	27	14	5 sc.	Daniel Dashwood, Dunville, Ont.	
122374	Beatrice.	Vancouver.	1907	Vancouver, B.C.	44 8	44 8	11 8	5 6	26	18	5 sc.	Henry O. Bell-Irving, Vancouver, B.C.	

SESSIONAL PAPER No. 22

100194	*Beatrice	Victoria	1891	Vancouver, B.C.	64.5	19.6	8.0	77	19 sc.	John J. Goodwin, Victoria, B.C.
134546	Beatrice C.	Ottawa.	1915	Sturgeon Falls, Ont.	36.3	9.1	3.6	16	2 pa.	Fred. E. Clark, Sturgeon Falls, Ont.
107167	Beatrice M.	Port Arthur.	1902	Collingwood, Ont.	60.0	12.0	6.3	36	4 sc.	John Bowman, Rosport, Ont.
133765	Beatrice E.	Victoria	1913	Victoria, B.C.	33.0	9.6	4.5	9	1 sc.	The Minister of Lands for B.C., Victoria, B.C.
137971	Beatrice Roy.	Montreal.	1915	Montreal, Que.	35.3	8.1	4.3	10	7 sc.	Benjamin Poisson, Montreal, Que.
133788	Beatrice & Frances.	St. Andrews.	1914	Lubeck, Me., U.S.A.	37.3	11.1	4.8	11	8	Leonard E. Guphill, Grand Harbour, N.B.
33476	Beaumont.	Ottawa.	1845	Montreal, Que.	130.5	18.3	7.1	167	57	Claixte Givon, Montreal, Que.
124180	Beaumont.	Midland.	1907	Kirkatilloek, G.B.	69.0	16.6	8.5	58	60 sc.	Canadian Dredging Co., Ltd., Midland, Ont.
130788	Beaulieu	Port Hawkesbury.	1914	Cheticamp, N.S.	63.8	17.7	6.6	40	1 sc.	Charles G. Roudreau, Eastern Harbour, N.S.
83157	Beaver	Bellefleur.	1892	Bellefleur, N.S.	64.3	15.3	7.3	41	24	The Harbour Commissioners of Montreal, Montreal, Que.
107464	Beaver	Lindsay.	1897	Lindsay, Ont.	78.0	14.5	4.5	92	2	John Carow, Lindsay, Ont.
117109	Beaver	Ottawa.	1901	Kingston, Ont.	36.0	9.0	3.0	2	3 sc.	The O'Connor Steamboat & Hotel Co., Ltd., Toronto, Ont.
122479	Beaver	Ottawa.	1907	Stimcoo, Ont.	49.6	18.3	3.3	31	14	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
83416	Beaver	Peterboro.	1883	Gore's Landing, Ont.	60.0	12.0	4.8	25	17	Jerome Lajeunesse, Peterborough, Ont.
107691	Beaver	Toronto.	1914	Lakefield, Ont.	54.0	11.0	5.2	29	12	The Wm. Cane Sons Co., Ltd., Newmarket, Ont.
117119	Beaver	Vancouver	1899	Midland, Ont.	46.5	11.0	4.5	20	14	Clark & Lyford, Ltd., Vancouver, B.C.
122367	Beaver	Vancouver	1905	Vancouver, B.C.	51.4	13.7	5.7	35	26	Maritime Fisheries, Ltd., Vancouver, B.C.
107096	Beaver	Victoria	1892	Ballard, Wash., U.S.A.	140.0	28.0	5.1	345	344	Canadian Pacific Railway Co., Montreal, Que.
103748	Beaver	Windsor, N.S.	1897	Canning, N.S.	80.0	21.0	7.4	85	43	The Gloucester Navigation Co., Ltd., Caraquet, N.B.
133990	Beaver Cone	New Westminster.	1912	Steveston, B.C.	36.7	9.7	3.7	12	8	Percy Salaban, Takush Harbour, B.C.
129354	Becancour	Sorel.	1914	Sorel, P.Q.	93.0	22.5	9.0	214	84	Minister of Marine and Fisheries, Ottawa, Ont.
129035	Bed-que.	Liverpool.	1908	Liverpool, N.S.	62.6	14.9	7.4	50	34	Leonard Fisheries, Ltd., Montreal, Que.
138650	Beland.	La Have.	1918	West Dublin, N.S.	61.0	16.0	6.9	36	35	Ralph D. Sperry, et al., Petit Riviere, N.S.
80719	Bella	Paspobiac.	1900.	Cross Point, Que.	52.6	22.1	5.0	43	5	John Wilson, Bella Bella, B.C.
134306	Bella Bella	New Westminster.	1913	Bella Bella, B.C.	31.0	9.4	3.5	6	4	John Wilson, Bella Bella, B.C.
130281	Bella Donna.	St. Catharines.	1910	Dunville, Ont.	59.2	22.0	3.2	57	48	Charles Ross, Port Matilda, Ont.
116335	Belle	Ottawa.	1903	Carleton Place, Ont.	29.0	6.6	3.0	3	3	Abner Nichols, Carleton Place, Ont.
97103	Belle	Port Burwell.	1896	Port Burwell, Ont.	44.0	11.5	5.0	16	8	G. A. Brown, Port Burwell, Ont.
85746	Belle	Quebec.	1883	Quebec, Que.	77.4	17.9	8.0	82	41	John S. Thom, Quebec, Que.
117013	Belle	Vancouver	1905	Vancouver, B.C.	51.5	18.7	8.0	94	16	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
121752	Belle	Vancouver	1906	Vancouver, B.C.	31.6	8.3	3.2	11	7	C. A. McKinnon and W. T. Norton, Vancouver, B.C.
100624	Belle (The)	Port Dover.	1899	Port Dover, Ont.	66.5	13.1	6.5	31	18	Alexander Kennedy, Mesford, Ont.
90817	Bello Amelia.	Port Hope.	1883	Cobourg, Ont.	39.0	8.0	3.2	4	3	G. W. Deach, Trenton, Ont.
122017	Belle of Temagami.	Ottawa.	1906	Temagami, Ont.	100.0	27.0	12.2	169	102	The O'Connor Steamboat & Hotel Co., Ltd., Toronto, Ont.
133395	Bellechasse.	Ottawa.	1912	Kingston, Ont.	142.2	22.6	6.2	417	216	The Minister of Marine and Fisheries, Ottawa, Ont.
111576	Bellia.	Toronto.	1901	St. Joseph, Mich., U.S.A.	21.0	5.0	2.0	1	1 sc.	Alfred G. Peasey, Toronto, Ont.
122070	Belleville.	Montreal.	1865	Montreal, Que.	200.8	28.0	11.0	233	607	Canada Steamship Lines, Ltd., Montreal, Que.
141119	Belleve.	Vancouver	1918	Vancouver, B.C.	43.5	13.1	5.6	25	17	Kenaburo Gonzo, Vancouver, B.C.
120262	Bellwood	Toronto.	1908	Bellwood's Sliding, Ont.	64.0	11.6	5.8	23	13	Charles Mickle, Gravenhurst, Ont.
138537	Belmont.	Vancouver	1917	Vancouver, B.C.	60.0	13.0	5.1	44	22	Belmont Canadian Mines Ltd., Vancouver, B.C.
119730	Ben Hur	St. John, N.B.	1903	St. John, N.B.	44.8	8.3	3.5	14	9	John Galbraith and R. J. Sullivan, St. John, N.B.
133740	Bentack.	Vancouver	1912	Hoquiam, U.S.A.	52.0	15.0	7.4	34	23	Pacific Mills Ltd., Vancouver, B.C.
138298	Berego.	Vancouver	1916	Vancouver, B.C.	32.4	9.0	3.7	10	7	Pacific Mills Ltd., Vancouver, B.C.
111522	Bernauda.	Vancouver	1900	Vancouver, B.C.	77.4	17.9	7.0	72	49	Wm. H. Whalen, Vancouver, B.C.
120477	Bernauidan	Lanenburg	1904	Sunderland G. B.	125.0	50.0	24.9	5,530	2,889	Canada Steamship Lines, Ltd., Montreal, Que.
111984	Berneck.	Victoria	1912	Tancook, N.S.	40.2	9.8	5.0	11	10	Dominion Fisheries Ltd., Halifax, N.S.
96913	Berquist.	Kingston.	1902	Port Moody, B.C.	70.7	17.8	7.4	76	35	Albert Berquist, Victoria, B.C.
112014	Bertha.	Port Arthur.	1891	Kingston, Ont.	51.4	10.0	3.4	18	12	F. Montgometry, Parry Sound, Ont.
111828	Bertha.	Vancouver	1901	Rosport, Ont.	35.0	10.2	3.0	11	7	Frank Daupier, Rosport, Ont.
134201	Bertha C.	Charlottetown	1906	Vancouver, B.C.	35.0	10.2	4.5	11	8	Mrs. Ada R. Turner, Vancouver, B.C.
120955	Bertha D.	Victoria	1910	Pictou, N.S.	44.0	13.5	5.6	16	15	The Bay Head Fish Co., Ltd., Charlton Island, N.S.
134649	Bertha L.	Victoria.	1913	Namu, B.C.	51.0	10.2	3.9	19	13	Draney Fisheries Ltd., Vancouver, B.C.
				Seattle Wash., U.S.A.	42.5	13.0	5.6	24	9	Sidney Canning Co. Ltd., Sidney, B.C.

*Formerly name "Lilian." †Formerly name "Pacific." ‡Formerly name "Spartan." §Formerly name "Rusler." ¶Formerly name "Richelieu." **Formerly "Joan." ††Formerly "Lord Stanley." †††Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: I.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc. Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
90578	Bertha May	Toronto	1886	Gravenhurst, Ont.	43 5	11 0	4 5	20	14	6 sc.	Charles J. Smith, Muskoka, Ont.
134433	Berthene	Vancouver	1913	Vancouver, B.C.	35 2	9 3	4 2	13	9	2 sc.	J. G. Moffat, Ltd., Vancouver, B.C.
134453	Berthier	Sorel	1916	Sorel, P.Q.	120 0	24 0	11 4	368	85	65 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
107391	Beryl Essie	Sackville	1898	Tridnish, N.S.	42 2	14 0	6 1	24	17	20 sc.	G. A. Campbell, Tidnish Bridge, N.S.
92401	Bessie	Chatham, N.B.	1886	Newcastle, N.B.	35 0	7 5	4 0	5	4	8 sc.	Timothy W. Crocker, Newcastle, N.B.
111589	Bessie	Peterborough	1901	Racine, Wis., U.S.A.	18 3	4 3	2 3	1	1	3 sc.	James R. Dodsworth, Lakefield, Ont.
100697	Bessie	Pictou, N.S.	1896	Pictou, N.S.	35 4	8 2	4 0	10	6	6 sc.	Newcomb N. Bentley, Wolfville, N.S.
94840	Bessie Arkella	St. Andrews	1891	Deer Island, N.B.	53 0	11 6	4 7	23	15	1 sc.	Guy C. Pendleton, Deer Island, N.B.
116982	Bessie B.	Konora	1904	Tp. of Splan, Ont.	60 0	13 0	5 0	53	36	2 sc.	Jos. E. Budreau, Rainy River, Ont.
125564	Bessie Butler	Peterboro	1907	Peterboro, Ont.	75 0	17 6	7 5	77	52	20 sc.	The Minister of Railways and Canals, Ottawa, Ont.
121272	Bessie Dollar	Vancouver	1905	Port Glasgow, G.B.	369 7	50 0	26 7	4,329	2,795	214 sc.	Dollar Steamship Lines, Ltd., Victoria, B.C.
122348	Bessie F.	Toronto	1907	Gravenhurst, Ont.	66 2	6 1	2 5	3	3	3 sc.	Herbert Diekhurn, Gravenhurst, Ont.
130515	Bessie L. Morse	Weymouth	1914	Liverpool, N.S.	25 0	6 1	2 5	4	35	3 sc.	Clinton McLaughlin and Fdk. McLaughlin, Seal Cove, Grand Manan, N.B.
117087	Bessie M.	Collingwood	1907	Collingwood, Ont.	69 6	15 0	6 5	44	30	13 1/2 sc.	James P. McDonald, Blind River, Ont.
122604	Beta	Konora	1906	Hamilton, Ont.	23 0	6 3	3 8	2	2	1 sc.	John A. Johnston, Ignace, Ont.
121746	Beth	Vancouver	1905	Vancouver, B.C.	25 0	6 0	2 7	2	2	1 sc.	Robert P. McLennan, Vancouver, B.C.
121959	Bethalma	Port Stanley	1899	Wilmington, Del., U.S.A.	110 3	16 4	10 2	113	32	30 sc.	James C. Duffield and Charles S. Hyman, J. O., London, Ont.
137878	Betty B.	Lanenburg	1912	Tanook, N.Y., U.S.A.	40 2	9 8	5 3	11	10	3 sc.	Harris and Arthur Publicover, Blandford, N.S.
130100	Betty D.	St. John, N.B.	1898	Buflalo, N.Y., U.S.A.	86 2	23 4	10 8	145	98	59 sc.	Bathurst Lumber Co. Ltd., Bathurst, N.B.
130726	Beulah W.	Lanenburg	1905	Tanook, N.S., U.S.A.	40 3	10 2	5 2	12	11	3 sc.	Herbert Young, Tanook, N.S.
121784	Biekerdike	Ottawa	1873	Buflado, N.Y., U.S.A.	233 0	34 5	14 2	1,515	861	96 sc.	Canada Steamship Lines Ltd., Montreal, Que.
126435	Biegal	Vancouver	1907	Vancouver, B.C.	26 0	7 5	3 5	5	5	1 sc.	Mrs. Cecilia Duffy, Eburne, B.C.
73034	Bionveni	Quebec	1875	Pointe aux Trembles, Que.	144 0	25 0	8 0	648	373	50 pa.	Zephirin Arpin, Lanoraque, Que.
116833	Bill	Kingston	1900	Ganaoque, Ont.	21 6	6 2	2 0	2	1	1 sc.	Manley Cross, Ganaoque, Ont.
126544	Billican	Vancouver	1909	Vancouver, B.C.	38 3	8 1	4 9	9	8	1 sc.	Henry Burchell, Thetis Is., B.C.
134105	Biwoko	Vancouver	1914	Vancouver, B.C.	38 3	9 0	4 5	11	5	6 sc.	Sakichi Segawa, Vancouver, B.C.
134603	Black Fox	Winnipeg	1915	Althabaska Landing, Alta.	33 4	7 8	2 4	10	7	3 sc.	Ellis E. Smallley Athabaska Landing, Alberta.
133787	Black Jack	St. Andrews	1910	Seal Cove, Grand Manan, N.B.	29 4	12 6	5 0	11	7	3 sc.	John Joy, Seal Cove, Grand Manan, N.B.
134125	Black Raven	New Westminster	1913	Vancouver, B.C.	50 0	11 3	4 7	23	16	2 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
134129	Blaine	New Westminster	1907	Bellingham, Wash., U.S.A.	45 6	10 1	3 6	23	16	3 sc.	George D. Brynner, White Rock, B.C.
111608	Blair of Athol	New Westminster	1900	Atlin, B.C.	54 0	9 0	4 5	11	7	1 sc.	The Northern Lumber Co., Ltd., Atlin, B.C.
126438	Blanche	Vancouver	1909	Seveston, B.C.	36 8	9 5	4 0	18	12	11 sc.	Thomas Marshall, Vancouver, B.C.
116855	Blanche	Lanenburg	1905	Sable River, N.S.	37 1	13 5	4 9	12	11	1 sc.	John Spindler, M. O., Lower Rose Bay, N.S.
71269	Blanche	Montreal	1886	Deseronto, Ont.	50 0	9 0	4 0	28	19	3 sc.	The Minister of Public Works, Ottawa, Ont.

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

122223	Blanche	Montreal	1903	(St. Remi du Lac au Sablo, Que.)	30 0	8 2	2 3	6	4	3 sc.	J. B. Rhocaut, St. Remi du Lac au Sablo, Que.
131070	Blanche L G	Lanenburg	1912	Blandford, N.S.	41 0	10 6	5 8	12	11	3 sc.	Warren Gates, Blandford, N.S.
138829	Blanche M Stevens	Lanenburg	1918	Tanook, N.S.	49 6	13 8	7 2	26	25	1 sc.	Gordon Stevens, Tanook, N.S.
131080	Blanche S	Lanenburg	1907	Little Tanook, N.S.	40 2	10 3	5 8	11	10	3 sc.	Frank Dorniney, Fox's Point, N.S.
133757	Blanche	St. John, N.B.	1913	St. John, N.B.	29 1	9 6	4 4	8	5	1 sc.	The Weaver Dredging Co., Ltd., St. John, N.B.
129504	Blanche	Victoria	1909	Lady-smith, B.C.	35 0	9 4	3 4	7	4	5 sc.	Charles A. Ryan, Lady-smith, B.C.
138249	Blanche C	Lanenburg	1916	Tanook, N.S.	41 4	10 7	5 6	12	11	1 sc.	A. Robie Cogswell, Halifax, N.S.
121936	Blitz	Halifax, N.S.	1905	Dartmouth, N.S.	28 5	4 6	3 0	3	2	3 sc.	Fred. Peach, Port Morien, N.S.
134536	Blackhouse	Vancover	1915	Port Mouton, N.S.	33 0	11 1	6 0	12	12	3 sc.	Lamb-Watson Lumber Co., Ltd., Winnipeg, Man.
96989	Blonde	Toronto	1891	New Westminster, B.C.	56 0	12 2	5 6	33	23	7 sc.	The Toronto Ferry Co., Ltd., Toronto, Ont.
121849	Blue Bell	Halifax	1887	West Massie, Conn., U.S.A.	150 0	30 0	7 2	752	451	48 pa.	The Toronto Ferry Co., Ltd., Toronto, Ont.
97083	Blue Hill	Halifax	1887	West Massie, Conn., U.S.A.	135 0	18 0	7 0	196	98	33 sc.	Raddick Steamship Co., Ltd., Baddeck, N.S.
122263	Blue Peter III	Montreal	1906	West Massie, Conn., U.S.A.	25 4	6 8	3 3	5	5	2 sc.	Kenneth F. Dewar, Montreal, Que.
134659	Blueback	Victoria	1912	Friday Harbour Wash U.S.A.	50 4	13 8	5 0	21	10	2 sc.	The Straits Fish Co., Ltd., Nanaimo, B.C.
80960	Bhobell	Kingston, Ont.	1888	Kingston, Ont.	48 5	8 9	3 6	12	8	5 sc.	Rodney and Vernon Bush, Simcoe Island, Ont.
137763	Blackbird II	Victoria	1912	Victoria, B.C.	30 0	7 0	3 4	4	3	1 sc.	Henry R. Nelson, Victoria, B.C.
129083	Boaz	Vancover	1908	Vancover, B.C.	31 0	8 2	4 4	9	6	2 sc.	Dr. William Mason, Nanaimo, B.C.
122563	Bob Hall	Peterborough	1907	Peterborough, Ont.	49 0	12 6	6 0	27	19	16 sc.	The Minister of Railways and Canals, Ottawa, Ont.
107599	Bobs	Owen Sound	1900	Toronto, Ont.	66 0	10 5	5 0	38	26	6 sc.	LaCo in the Navigation, Ville Marie, Que.
111857	Bobs	Peterborough	1903	Peterborough, Ont.	28 5	9 0	3 7	11	8	1 sc.	James L. Rogers, Peterborough, Ont.
111506	Bobs	St. John, N.B.	1900	St. Joseph, Mich., U.S.A.	15 2	4 8	1 8	1	1	1 sc.	Wm. Walker, Fredericton, N.B.
111563	Bobs	Toronto	1900	Toronto, Ont.	36 0	9 0	4 0	9	6	3 sc.	Ambrose A. Kirby, Toronto, Ont.
111542	Bobs	Vancover	1901	Vancover, B.C.	36 0	8 0	2 0	4	3	1 pa.	Miss Lucy Fowler, Vancover, B.C.
10328	Bons	Paspheque	1909	New Richmond, Que.	51 0	13 2	3 2	28	18	3 pa.	Montgomery & Sons, Co., Ltd., New Richmond, Que.
131024	Bold Mary	Vancover	1911	Vancover, B.C.	41 5	10 5	4 7	15	10	2 sc.	Whelan Pulp & Paper Mills, Ltd., Vancover, B.C.
122436	Bon Ami	Vancover	1902	Manitowoc, Wis., U.S.A.	105 0	24 5	8 0	215	142	21 sc.	F. C. and C. L. D. Sims, Little Current, Ont.
138140	Bon Duff	Quebec	1912	Grandes Hermines, Que.	65 1	23 4	6 7	65	55	1 sc.	Mrs. A. Ducloux, Milles Vaches, Que.
107851	Bonanza King	Dawson	1898	Dutch Harbour, Alaska, U.S.A.	140 3	31 3	5 8	466	260	77 pa.	The British Yukon Navigation Co., Ltd., Vancover, B.C.
138681	Bonilla	Vancover	1917	Tacoma Wash., U.S.A.	62 4	17 6	7 7	57	39	5 sc.	Lamm Bay Packing Co. Ltd., Vancover, B.C.
100425	Bonjour	Ottawa	1893	Stimoe, Ont.	35 0	16 0	3 0	13	6	20 sc.	H. F. McLaughlin and Claude McLaughlin, J. O., Armprior, Ont.
134117	Bonnie Charlie	Vancover	1914	Vancover, B.C.	37 0	10 0	4 4	11	8	1 sc.	John Harstall, Outer Cove, B.C.
134318	Bonnie Mae	Quebec	1912	Dryden, Ont.	47 0	13 0	5 0	28	19	3 sc.	Dryden Timber & Power Co., Ltd., Dryden, Ont.
130656	Bonington	Vancover	1911	Nakusp, B.C.	292 5	39 1	7 5	1,700	955	98 pa.	Canadian Pacific Railway Co., Montreal, Que.
122278	Bonitoba	Winnipeg	1910	Winnipeg, Man.	118 6	22 3	4 0	128	81	4 pa.	The Hyland Navigation & Trading Co., Ltd., Winnipeg, Man.
122449	Bossell	St. John, N.B.	1908	Shedburne, N.S.	35 9	7 6	3 0	6	4	1 sc.	George F. C. Gandy, St. John, N.B.
131911	Bonbon	Sydney, N.S.	1873	Philadelphus, Pa., U.S.A.	75 0	18 5	8 9	115	53	4 sc.	David Bradburn, North Sydney, N.S.
126121	Bondy	Vancover	1909	Vancover, B.C.	46 0	11 6	4 4	27	18	10 sc.	Patrick J. Russell, Vancover, B.C.
107150	Bondy	Vancover	1890	Toronto, B.C.	71 5	21 4	7 8	55	28	5 sc.	Dynamec Packing Co., Ltd., Vancover, B.C.
10345	Borborobah-Gha	Chatham, N.B.	1890	Dalhousie, N.B.	106 0	19 0	6 8	109	60	30 pa.	R. A. Snowball, Chatham, N.B.
100746	Boucharville	Montreal	1886	Sorel, Que.	178 9	36 3	9 2	419	250	80 pa.	Alexandre Desmarcail, Montreal, Que.
130675	Bourgeois	Quebec	1892	Three Rivers, Que.	108 0	20 0	5 4	91	59	20 pa.	The Corporation of the City of Three Rivers, Que.
30695	Bow Zelo	Peterboro	1911	Peterboro, B.C.	53 8	7 0	3 4	4	4	3 sc.	The Peterboro Canoe Co., Ltd., Peterboro, Ont.
10728	Bowena	Vancover	1891	Vancover, B.C.	139 0	32 0	9 4	821	558	58 sc.	The Terminal Steam Navigation Co., Ltd., Vancover, B.C.
88829	Bowler	Vancover	1917	Aberdeen, B.C.	213 7	32 6	21 3	1,141	916	15 sc.	Charles A. Goshorn, Vancover, B.C.
107788	Brant	Ottawa	1889	Charlottetown, P.E.I.	100 4	19 1	8 5	112	58	33 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
122426	Brant	Quebec	1903	New York, N.Y., U.S.A.	21 4	8 0	3 4	6	5	11 sc.	Joseph K. Boswell, Quebec, Que.
117675	Brant	St. Catharines	1906	St. Catharines, Ont.	49 1	15 3	7 4	49	33	3 sc.	Canadian Dredging Co., Ltd., Midland, Ont.
131575	Brapida C	Halifax	1903	Tanook, N.S.	41 4	10 3	5 3	12	11	3 sc.	Arthur Zueck, Halifax, N.S.
96981	Bridgewater	Halifax	1889	Dumbarrow, G.B.	23 0	9 0	2 0	203	119	51 sc.	Bridgewater Wrecking Co., Ltd., Halifax, N.S.
132748	Brisca	Toronto	1914	Peterborough, Ont.	30 0	6 5	3 1	7	3	1 sc.	Thomas H. Clarkson-Jones, Toronto, Ont.
111996	Britannia	Vancover	1902	Vancover, B.C.	101 8	22 4	6 9	336	222	33 sc.	Terminal Steam Navigation Co., Ltd., Vancover, B.C.

¹Foreign name "Surprise," ²Formerly "Charles F. Dumbur," ³Formerly "Arabia," ⁴Foreign name "Silver Spray," ⁵Formerly a sailing vessel, ⁶Foreign name "Mariposa," ⁷Formerly "Governor Pingree," ⁸Re-registered under wreck, ⁹Formerly "Hochelega," ¹⁰Formerly "City of Nanaimo," ¹¹Foreign name "Wanmeta," ¹²Formerly "Zaliro," ¹³Formerly "Noak."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons- truit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	Tonnage enregistré.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
100188	1 Britannic.....	Collingwood.....	1896	Sorel, Que.....	150 8	25 6	9 2	428	228	228	41 hp.	Montreal & Cornwall Navigation Co., Ltd., Cornwall, Ont.
119063	2 British Columbia.....	Vancouver.....	1892	Rebuilt.....	170 7	27 1	10 5	567	222	222	81 sc...	Union Steamship of British Columbia, Ltd., Vancouver, B.C.
121915	British Lion.....	Kenora.....	1903	Bowling, G.B.....	36 0	10 0	4 0	22	15	15	2 hp.	Rainy River Lumber Co., Ltd., Rainy River, Ont.
107421	Brookville.....	Pictou, Ont.....	1903	Simcoe, Ont.....	105 0	21 5	5 7	191	88	88	14 sc.	Canada Steamship Lines, Limited, Montreal, P.Q.
92615	Brothers.....	Port Arthur.....	1886	Port Arthur, Ont.....	33 4	9 8	5 8	18	12	12	6 sc...	E. T. Morrow, Fort William, Ont.
133792	Brown Brothers.....	Port Stanley.....	1915	Port Stanley, Ont.....	75 2	16 5	7 7	64	44	44	13 sc...	A. C. Brown, St. Thomas, Ont., and C. E. Brown, Port Stanley, Ont., J.O.
116274	Bruce.....	Halifax.....	1889	Dartmouth, N.S.....	59 5	20 5	5 6	56	38	38	12 sc...	Wm. K. McKean, St. Omer, Que.
103715	3 Bruce Cann.....	Yarmouth.....	1898	Liverpool, N.S.....	70 0	17 0	7 5	48	32	32	16 sc...	Hugh Cann & Sons, Ltd., Yarmouth, N.S.
122253	Brunet.....	Quebec.....	1903	Yarmouth, N.S.....	32 0	10 5	3 5	8	6	6	1 hp.	George J. Paradis, Salmon Lake, Que.
94902	Brunette.....	Vancouver.....	1890	Salmon Lake, Que.....	56 9	13 8	7 5	42	25	25	13 sc.	Joseph W. Pike, Vancouver, B.C.
134635	Bubbles.....	Victoria.....	1912	New Westminster, B.C.....	36 5	8 7	4 2	15	10	10	1 sc...	Adams River Lumber Co., Ltd., Chase, B.C.
138152	Bald II.....	Vancouver.....	1915	Vancouver, B.C.....	38 0	9 5	4 2	17	10	10	1 sc...	John H. McLean, Port Moody, B.C.
130325	Buena Vista.....	Kingston, Ont.....	1911	Vancouver, B.C.....	63 6	18 8	6 8	141	73	73	9 sc...	John Randall, Seely's Bay, Ont.
122598	Bully II.....	St. John, N.B.....	1909	Indian Island, N.B.....	29 5	7 4	6 6	6	6	6	2 sc...	Crandall Harrison & Company Limited, Newcastle, N.B.
134037	Bundles.....	Victoria.....	1913	Vancouver, B.C.....	20 0	4 6	2 0	1	1	1	1 sc...	Cecil F. Davie, Victoria, B.C.
130354	Banney.....	Archat.....	1910	St. Peters, N.S.....	43 8	12 4	5 4	14	10	10	1 sc...	The Stewart Fish Co., Ltd., St. Peters, N.S.
129015	Bantam.....	Annapolis Royal, N.S.....	1909	Annapolis Royal, N.S.....	32 2	8 6	3 1	10	7	7	1 sc...	Arthur G. Golding, St. John, N.B.
117018	Barrard.....	New Westminster.....	1905	Vancouver, B.C.....	66 6	14 2	6 5	56	38	38	10 sc.	Monarch Towing & Trading Co., Ltd., New Westminster, B.C.
126403	Barrwash.....	Ottawa.....	1909	Kinross, Que.....	68 5	15 1	5 8	45	28	28	18 hp.	McLachlin Bros. Ltd., Amport, Ont.
138028	Bastelagan.....	Kenora.....	1918	Fort Frances, Ont.....	43 5	11 0	4 5	30	13	13	5 sc.	Shevlin Clarke Co., Ltd., Fort Frances, Ont.
133718	Baxter B.....	Vancouver.....	1912	Vancouver, B.C.....	46 0	14 0	6 0	34	23	23	6 sc...	Christopher E. Keeling, North Vancouver, B.C.
100195	Bato.....	Vancouver.....	1890	New Westminster, B.C.....	28 6	6 7	2 6	4	3	3	1 sc.	E. E. Evans, Vancouver, B.C.
111755	Bato.....	Victoria.....	1901	Sidney, B.C.....	29 0	8 4	2 9	7	5	5	1 sc.	Cowichan Lumber Co., Ltd., Duncan, B.C.
116407	Bato.....	Vancouver.....	1904	Sidney, B.C.....	60 5	13 4	7 0	49	26	26	3 sc...	John D. McNeil, Vancouver, B.C.
138755	C. A. B.....	Victoria.....	1918	Victoria, B.C.....	38 4	11 6	4 2	17	8	8	11 sc.	J. F. Clark and Solomon Cameron, Victoria, B.C.
126922	C. A. C.....	Quebec.....	1909	St. Joseph de Levis, Que.....	55 6	15 0	5 0	30	12	12	5 sc.	Charles A. Bernier, St. Joseph de Levis, Que.
133822	4 C. C. C. I.....	Vancouver.....	1913	Seattle, Wash., U.S.A.....	38 0	9 0	5 0	13	9	9	8 sc.	George A. Misener, Vancouver, B.C.
130498	C. F. P.....	New Westminster.....	1916	Vancouver, B.C.....	52 2	14 7	6 8	35	24	24	4 sc...	The Packers Steamship Co. Ltd., Vancouver, B.C.
138690	4 C. L. No. 1.....	New Westminster.....	1913	New Westminster, B.C.....	46 0	11 9	5 0	24	15	15	5 sc...	Canadian Fish Products, Ltd., 39 Old Broad St., London, Eng.
133848	C. W. J.....	Vancouver.....	1913	Tacoma, Wash., U.S.A.....	44 0	12 0	5 2	26	18	18	3 sc...	C. L. Packing Co., Ltd., Vancouver, B.C.
134110	C. W. J.....	Vancouver.....	1911	Vancouver, B.C.....	37 0	9 4	4 5	13	9	9	1 sc...	William Ethershank, et al., J.O., Vancouver, B.C.
141121	C. 5.....	Vancouver.....	1918	Vancouver, B.C.....	36 9	7 6	2 8	7	5	5	2 sc...	George W. Cattle, Vancouver, B.C.
85495	5 C. A. Boone.....	Collingwood.....	1883	Waukegan, Ont.....	63 6	15 5	7 4	44	30	30	8 sc...	Edward Clapham, Vancouver, B.C. Charles S. Boone, Toronto, Ont.

SESSIONAL PAPER No. 22

92664	6 C. B. Powell	Ottawa	1887	Pembroke, Ont.	139 0	36 0	7 2	272	21 pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
130290	C. C. Lloyd	St. Catharines	1915	Stromness, Ont.	62 0	14 4	5 3	476	19 sc.	Charles Crumb, Dunville, Ont.
107485	C. E. Ausworth	Sault Ste. Marie, Mich., U.S.	1901	Sault Ste. Marie, Mich., U.S.	81 6	18 4	7 4	76	19 sc.	Dominion Fish Co., Ltd., Winnipeg, Man.
103214	C. E. Read	St. Catharines	1894	Simcoe, Ont.	42 0	16 2	3 0	48	20 sc.	W. H. Hurdman, Ottawa, Ont.
92657	C. F. Dunbar	St. Catharines	1871	Erie, Pa., U.S.A.	47 3	13 0	3 4	33	22 1/2 sc.	James Pondergast, Cornwall, Ont.
112189	C. H. Eddy	Toronto	1902	Blind River, Ont.	85 0	10 0	3 5	16	11 sc.	Mrs. Ellen J. Kennedy, Garden River, Algoma, Ont.
78039	C. J. Merritt	Toronto	1883	Chatham, Ont.	45 5	21 0	6 8	122	83 sc.	A. M. Clark, M. O., Marysburgh, Ont.
122646	C. L. Miller	Ottawa	1907	Latchford, Ont.	79 6	18 0	5 2	86	50 sc.	John R. Booth, Ottawa, Ont.
130574	C. R. Lamb	Lunenburg	1909	Little Tanecook, N.S.	35 4	10 2	4 4	11	3 sc.	Ainsley Zinc, Dover, N.S.
122958	C. R. Smith	Victoria	1907	Kamloops, B.C.	91 3	19 5	4 0	192	34 pa.	Arrow Lakes Lumber Co., Ltd., Arrowhead, B.C.
131064	C. S. Parnell	Port Arthur	1912	The Pas, Man.	96 3	17 6	4 2	202	161 pa.	The Finger Lumber Co., Ltd., The Pas, Man.
97132	8 C. W. Bangs	Quebec	1881	Quebec, Que.	44 9	11 9	3 0	4	4 sc.	La Cie Générale d'Entreprises Publiques, Levis, Que.
117092	8 C. W. Bangs	Ottawa	1902	Ottawa, Ont.	36 0	8 7	3 0	4	4 sc.	John F. Hurdman, Ottawa, Ont.
80574	9 C. W. Cole	Kingston	1881	Walkerville, Ont.	42 0	26 6	6 7	385	49 sc.	Jas. Henry, Jas. Herbolt & John P. Milnes, J. O., Toronto, Ont.
116547	9 C. W. Cole	Kingston	1903	Kingston, Ont.	49 5	11 0	4 5	16	11 sc.	Claude W. Cole, Millford, Ont.
131066	9 C. W. Mason	Lunenburg	1907	Lunenburg, N.S.	42 8	10 6	3 2	11	3 sc.	Mrs. Barbara Davis, Kingston, Ont.
107733	C. Here	Kingston	1890	Kingston, Ont.	49 3	8 2	3 7	5	7 sc.	Mrs. Barbara Davis, Kingston, Ont.
138007	C. Klander	Port Arthur	1916	Bessport, Ont.	46 3	15 0	5 5	28	19 sc.	Alexander McKay, Rossport, Ont.
133825	10 Cabotia	Montreal	1880	Gilbrater, Mich., U.S.A.	243 5	19 6	5 5	932	101 sc.	George Hall Coal Company of Canada, Ltd., Montreal, Que.
138230	Cadillac	Montreal	1892	South Chicago, Ill., U.S.A.	235 1	36 8	15 4	4	72 sc.	Canada Steamship Lines Ltd., Montreal, Que.
138272	Call Creek's Pride	St. Catharines	1912	Erie, Pa., U.S.A.	60 0	16 0	5 6	46	15 sc.	Geo. F. Little and John Siddall, Port Mathand, Ont.
126796	Call Creek's Pride	Vancouver	1910	New Westminster, B.C.	44 4	11 3	4 2	11	7 sc.	Brooks Bidlake Cedar Co., Ltd., Vancouver, B.C.
97144	Callia	St. Andrews	1891	West Isles, N.B.	32 0	9 6	4 5	10	12 sc.	Fred W. Richardson, West Isles, N.B.
100040	Callender	Toronto	1892	North Bay, Ont.	20 0	6 6	2 0	12	11 sc.	Issac Dollery, Fairbank, Ont.
131131	Calumet Island	Ottawa	1909	Calumet Island, Que.	42 0	18 0	3 0	18	1 sc.	Fred Ladouceur, Calumet Island, Que.
133987	Cambus	New Westminster	1905	Steveston, B.C.	40 5	9 5	3 1	1	1 sc.	Sam Kee, Vancouver, B.C.
121294	Cambus	Vancouver	1905	Paisley, G.B.	192 7	35 2	14 9	1,369	794 sc.	Gordon T. Legg, M. O., Vancouver, B.C.
130859	Campagna	Quebec	1893	LaKe Megantic, Que.	48 4	13 2	5 0	23	16 sc.	G. M. Stearns, Lake Megantic, Que.
140978	Canada	Victoria	1872	Steveston, B.C.	33 8	8 0	3 9	6	4 sc.	G. M. Stearns, Lake Megantic, Que.
100392	Canada	New Westminster	1918	Steveston, B.C.	45 0	12 0	5 2	25	21 sc.	George D. Brynner, New Westminster, B.C.
116870	Canada	Hamilton	1892	Hamilton, Ont.	135 2	21 2	11 5	557	366 sc.	J. S. Nesbit, Sarnia, Ont.
90675	Canada	Ottawa	1892	Barrow-in-Furness, G.B.	206 0	25 1	13 3	411	185 sc.	The Minister of the Naval Service, Ottawa, Ont.
90603	Canada	Ottawa	1884	Beverly, York-shire, G.B.	100 4	20 5	11 0	151	66 sc.	Canadian Fishing Company Limited, Vancouver, B.C.
	Transfer	Atlantic		Coteau Landing, Que.	171 0	70 0	8 6	619	395 sc.	Montreal Lightage Co., Ltd., Montreal, Que.
125427	Canadian	Montreal	1907	Newcastle, G.B.	248 3	43 0	22 8	2,144	1,444 sc.	Canada Steamship Lines Limited, Montreal, Que.
122533	Canadian	Vancouver	1907	New Westminster, B.C.	62 7	14 2	8 8	64	44 sc.	John C. McNaie and Herman Wilbur, Vancouver, B.C.
107094	Canadian	Ottawa	1898	Victoria, B.C.	146 5	33 4	4 7	716	455 sc.	British Yukon Navigation Co., Ltd., Vancouver, B.C.
107088	Canard	Canard	1896	Ottawa, Ont.	21 7	4 4	2 0	1	1 sc.	P. J. B. Belanger, Ottawa, Ont.
122192	Canoe	New Westminster	1896	New Westminster, B.C.	33 3	6 3	4 3	5	2 sc.	Charles A. Elliott, Harrison Hot Springs, B.C.
112553	Canoe	Brookville	1915	Kingston, Ont.	39 6	8 8	3 2	10	7 sc.	John McGraw, Brookville, Ont.
133826	Canobie	Montreal	1887	Detroit, Mich., U.S.A.	259 3	37 4	19 8	1,748	1,051 sc.	Lehigh Coal Co., Ltd., Montreal, Que.
138800	Canora	Quebec	1918	Louisa, Que.	368 0	52 1	18 8	2,584	910 sc.	Canadian Northern Steamship, Ltd., Toronto, Ont.
129224	Canora	Vancouver	1907	New Westminster, B.C.	58 8	14 0	8 8	56	38 sc.	Tate M. Roberts, Vancouver, B.C.
126803	Canosa	Yamouthe	1910	Yamouthe, N.S.	91 6	22 0	11 7	225	47 sc.	The Minister of Public Works, Ottawa, Ont.
120953	Canosa	Yamouthe	1912	Blainford, N.S.	40 3	10 2	5 8	13	12 sc.	Charles R. Martin, M. O., Yereb Harbour, N.S.
107508	Canada	St. John, N.B.	1900	Rochester, Wis., U.S.A.	16 3	4 3	1 8	1	1 sc.	W. H. Holder and W. M. Barlow, St. John, N.B.
141191	Cap. Ford	Vancouver	1918	North Vancouver, B.C.	212 8	41 4	18 7	1,468	1,184 sc.	The William Lyall Shipbuilding Co., Ltd., Montreal, Que.
97308	Cap. Ford	Vancouver	1908	North Vancouver, B.C.	242 8	44 4	18 7	1,468	1,181 sc.	The William Lyall Shipbuilding Co., Ltd., Montreal, Que.
107296	Cap. Breton	Montreal	1890	Hylton, G.B.	258 0	37 0	16 8	1,764	1,109 sc.	Steamship Cape Breton Co., Ltd., Sydney, N.S.
126829	Capital	Ottawa	1898	Ottawa, Ont.	30 0	6 0	2 6	2	1 sc.	John Harper, et al, Ottawa, Ont.
106926	Capitaine	Toronto	1904	Osburn, N.Y., U.S.A.	30 0	6 2	3 0	4	3 sc.	Robert W. Farwell, Hamill's Point, Muskoka, Ont.
130230	Capitaine	Toronto	1883	French War, Ont.	41 6	11 1	5 0	18	12 sc.	The Ontario Lumber Co., Ltd., Toronto, Ont.
107139	Capitain Jun.	Port Arthur	1902	Buffalo, N.Y., U.S.A.	50 5	10 6	3 8	35	22 sc.	Andrew Sutherland, Rossport, Ont.
		Goderich, Ont.	1902	Goderich, Ont.	78 6	17 8	7 2	58	39 sc.	Dominion Fish Co., Ltd., Winnipeg, Man.

1 Formerly "Bokeet," 2 Formerly "Onyx," 3 Formerly "Gertrude M," a recovered wreck. 4 Formerly "Severn," 5 Formerly "G. B. Pattee," 6 Formerly "Howard B. Payne," 7 Formerly "C. N. Pratt," 8 Formerly a sailing vessel. 9 Formerly "Hiawatha," 10 Foreign name "Iron King," 11 Foreign name "Ramona," 12 Foreign name "Cara," 13 Foreign name "G. B. Pattee," 14 Foreign name "Hiawatha," 15 Foreign name "Iron King," 16 Foreign name "Ramona."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paille—à aubry; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construction.	Where Built. Lieu de construction.	Length in feet and inches. Longueur en pieds et 10 ^{es} .	Breadth in feet and inches. Largeur en pieds et 10 ^{es} .	Depth in feet and inches. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	HP of Engines and Mode of Propulsion. Puissance des machines et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
137983	Captain Visger.....	Kingston.....	1895	Alexandria Bay, N.Y., U.S.A.	81 8	12 4	4 4	30	21	13 sc.	Samuel A. King, Toronto, Ont.
122557	Cara R.....	Collingwood.....	1898	Portland, Mo., U.S.A.	58 8	9 6	8 6	23	16	3 sc.	George Kumpel, Kitchener, Ont.
116692	Caraboo.....	Kenora.....	1902	Fort Smith, Alta.	50 0	10 2	5 0	29	19	4 sc.	Jas. Hilslop, Port Rae, N.W.T., and Edmund Naglo, Resolution, N.W.T., J.O.
122159	Carial.....	Vancouver.....	1906	Vancouver, B.C.	25	7 0	3 0	3	2	3 sc.	Col. W. W. Baker, Crofton, B.C.
116249	Caribou.....	Sault Ste. Marie.....	1904	Godrich, Ont.	141 8	26 0	10 2	597	371	16 sc.	The Dominion Fish Co., Ltd., Winnipeg, Man.
131124	Carillon.....	Ottawa.....	1912	Montreal, Que.	57 3	15 6	7 6	41	21	16 sc.	The Minister of Railways and Canals, Ottawa, Ont.
122330	Carl.....	Vancouver.....	1907	Vancouver, B.C.	16 4	5 4	2 7	1	1	3 sc.	James S. Reer, Vancouver, B.C.
122416	Carlotta.....	Midland.....	1908	Midland, Ont.	87	18 5	7 7	114	49	31 sc.	James Playfair, Midland, Ont.
97151	Carlotta G. Cox.....	Vancouver.....	1891	Victoria, B.C.	80	21	8 6	82	44	7 sc.	Atlin Fisheries, Ltd., Vancouver, B.C.
138538	Carmanah.....	Vancouver.....	1914	Caladonia, Wash., U.S.A.	43 7	14 2	3 4	21	17	2 sc.	Walton Bros. Fishing and Packing Co., Ltd., Vancouver, B.C.
122638	Carmel C.....	Kingston.....	1900	Alexandria Bay, U.S.A.	36 8	17 1	3 4	9	6	2 sc.	William C. Carvill, Kingston, Ont.
112261	Carmilia.....	Montreal.....	1902	Sorel, Que.	69 4	17 5	6 3	63	39	28 sc.	The Minister of Public Works, Ottawa, Ont.
111863	Carmita.....	Ottawa.....	1901	Carleton Place, Ont.	39 0	9 8	3 6	9	7	5 sc.	Mrs. Eliza J. McCloskey and Geo. W. Leach, North Bay, Ont.
107228	Carolina.....	Sorel.....	1897	Three Rivers, Que.	76 0	16 2	6 2	104	52	2 sc.	Louis Dugré, Three Rivers, Que.
122513	Carolina.....	Vancouver.....	1912	Vancouver, B.C.	31 5	9 5	4 1	13	9	11 sc.	K. O. Larson and J. Erickson, Iamli, B.C.
111912	Caroline.....	Toronto.....	1900	Moore River, Ont.	35	9 7	4 0	12	3	13 sc.	Joseph M. Syer, Midland, Ont.
100618	Caroline.....	Victoria.....	1887	Victoria, B.C.	26 0	7 2	3 0	3	3	1 sc.	Rauben Mason and John Sinclair, J.O., Comox, B.C.
130746	Carriek Castle.....	Vancouver.....	1911	Vancouver, B.C.	33 0	9 8	4 2	12	8	3 sc.	Charles Furnal, Vancouver, B.C.
130638	Carriek Helen.....	Saint John, N.B.....	1912	Reeds Point, N.B.	49 2	18 7	1 9	19	14	1 sc.	Peter J. Veniol, Fredericton, N.B.
111756	Carrie L.....	Kenora.....	1900	Bell City, Ont.	59 0	12 8	3 5	16	9	1 pt.	Sam. Lomsbury, Bell City, Ont.
129745	Cartier O.....	Ottawa.....	1910	Newcastle-on-Tyne, G.B.	60 2	29 2	13 1	536	231	141 sc.	The Minister of the Naval Service, Ottawa, Ont.
130430	Casarco No. 1.....	St. Andrews.....	1912	Shedburne, N.S.	71 0	16 7	6 5	35	24	3 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131193	Casarco No. 2.....	St. Andrews.....	1912	Port Hawkesburg, N.S.	69 7	16 6	6 7	33	21	3 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131194	Casarco No. 3.....	St. Andrews.....	1912	Marbone Bay, N.S.	73 3	16 4	7 0	39	31	34 sc.	Robert G. Wallace, St. John, N.F.
131192	Casarco No. 4.....	St. Andrews.....	1912	Bear River, N.S.	45 4	12 2	5 6	19	10	2 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131191	Casarco No. 5.....	St. Andrews.....	1912	Bear River, N.S.	45 4	12 5	5 7	17	11	2 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131190	Casarco No. 6.....	St. Andrews.....	1912	Jattle River, N.S.	45 2	12 5	5 7	17	11	2 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131185	Casarco No. 7.....	St. Andrews.....	1912	Jattle River, N.S.	45 2	12 6	5 7	16	11	1 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131200	Casarco No. 8.....	St. Andrews.....	1912	Comauville, N.S.	45 3	12 6	5 7	16	11	1 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
133731	Casarco No. 9.....	St. Andrews.....	1912	Comauville, N.S.	45 3	12 6	5 7	16	11	1 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131196	Casarco No. 10.....	St. Andrews.....	1912	Lunenburg, N.S.	50 0	12 7	5 5	15	12	1 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
131197	Casarco No. 11.....	St. Andrews.....	1912	Lunenburg, N.S.	50 0	12 7	5 5	15	12	1 sc.	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.

SESSIONAL PAPER No. 22

131198	Casarco No. 12	St. Andrews	50 0	12 7	5 5	15	12	1 se...	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
133782	Casarco No. 14	St. Andrews	15 0	12 4	5 7	11	11	1 se...	Booth Fisheries Company of Canada, Ltd., Toronto, Ont.
163919	Casaca	Victoria	161 0	37 0	5 5	1,079	790	17 pa...	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
112243	Cascade	Victoria	95 0	22 6	7 6	119	81	16 se...	Cascade Transportation Co., Ltd., Victoria, B.C.
121442	Caspian	Kingston	177 6	43 4	6 7	957	543	58 pa...	Canada Steamship Lines, Ltd., Montreal, Que.
103472	Casstar	Ballard, Wash., U.S.A.	120 6	29 0	6 9	597	384	43 se...	Union Steamship Co. of British Columbia Limited, Vancouver, B.C.
116969	Cassie Bell	Montreal	43 3	13 1	6 4	18	16	14 se...	Bourdinan A. Cheney, Grand Manan, N.B.
188565	Cassie J.	Shelburne	51 0	14 5	6 8	27	23	2 se...	Herbert R. and John W. Swain, Lockeport, N.S.
188799	Castelneau	Quebec	49 6	15 4	6 5	32	19	10 se...	Gabriel Gauthier, Bic, Que.
130556	Castlegar	Kingston	91 4	19 4	8 2	104	71	27 se...	Canadian Pacific Railway Co., Montreal, Que.
122474	Castor	Ottawa	66 0	22 0	5 2	88	23	33 pa...	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
77698	Cataraugus	Montreal	174 6	33 2	15 0	839	451	66 se...	Montreal Transportation Co., Ltd., Montreal, Que.
103654	Catherine S.	Winnipeg	66 0	13 5	5 5	47	45	4 se...	John Short, Kenora, Ont.
134473	Caughnawaga V.	Montreal	32 0	7 1	2 7	4	3	1 se...	Philiza Meloche, Caughnawaga, Que.
137966	Caughnawaga W.	Montreal	30 0	6 9	2 7	3	3	1 se...	Philiza Meloche, Caughnawaga, Que.
133841	Cavalier H.	Vancouver	32 4	8 0	2 7	3	3	1 se...	George T. Waddis, Vancouver, B.C.
122219	Cayuga	Toronto	305 0	36 6	14 2	1,168	328 se...	36 se...	Canada Steamship Lines, Limited, Montreal, P.Q.
130957	Cecil P. L.	Toronto	41 4	10 4	5 5	12	11	1 se...	Clarence and Harvey Slaughterwhite, Tancook, N.S.
112556	Cecil S.	Brookville	95 6	13 6	6 8	77	33	35 se...	James H. Simpson, Brockville, Ont.
138525	Cecil S.	Brookville	41 5	10 5	5 7	17	12	1 se...	K. Straiha, et al., J.O., River Bourgeois, N.S.
137998	Celeste L.	Vancouver	29 0	11 3	6 3	13	13	1 se...	Peter A. Landry, M.O., River Bourgeois, N.S.
126749	Cellar Head	Archeat	31 0	10 3	4 0	13	9	2 se...	Norman Gunn, Vancouver, B.C.
116666	Celt	Midland	31 0	8 0	2 8	6	4	1 se...	Archibald Campbell, Midland, Ont.
122538	Cello	Vancouver	89 4	24 5	8 6	239	163	165 se...	Coast S.S. Co., Ltd., Vancouver, B.C.
120772	Cemeco	Peterborough	15 6	4 6	1 9	1	1	2 se...	Mrs. F. A. Price, Massamag, Ont.
130849	Centre Star	Vancouver	50 5	13 4	6 4	39	27	8 se...	Wm. S. Nicholls and Percy H. Sinder, Vancouver, B.C.
100549	Centreville	Digby	62 0	13 8	7 0	60	32	9 se...	La Cie Generale d'Entreprises Publiques, Lévis, Que.
130441	Chakawana	Quebec	79 8	17 2	9 7	108	73	86 se...	Imperial Munitions Board, Ottawa, Ont.
92331	Challenger	Quebec	88 8	20 2	9 7	108	73	86 se...	La Cie Generale d'Entreprises Publiques, Lévis, Que.
133903	Chambly	Sorel	43 5	25 6	9 2	49	36	32 se...	The Minister of Marine and Fisheries, Ottawa, Ont.
103975	Champion	Quebec	143 5	25 6	7 8	482	304	30 pa...	La Cie Maritime et Industrielle de Lévis, Lévis, Que.
116756	Champion	Toronto	69 0	12 7	5 0	42	28	8 se...	Montreal River Nav. Co., Ltd., Cobalt, Ont.
116999	Champain	Ottawa	120 0	30 3	17 6	522	235	87 se...	The Minister of Marine and Fisheries, Ottawa, Ont.
103956	Champain	St. John, N.B.	110 8	22 4	7 9	392	247	28 se...	The Majestic Steamship Co., Ltd., Gagetown, N.B.
103443	Chance	Ottawa	43 1	7 1	3 6	6	2	2 se...	The O'Connor Steamboat Co., Ltd., Toronto, Ont.
117017	Chaos	Vancouver	56 1	14 2	6 1	32	23	14 se...	Lockport Cannine Co., Ltd., Vancouver, B.C.
400180	Charlemagne	Montreal	87 3	18 6	7 6	76	52	67 se...	The Charlemagne & Lac Outreau, Lumber Co., Ltd., Montreal, Que.
97008	Charles E. Armstrong	St. Catharines, Ont.	56 0	13 8	7 5	49	33	40 se...	Continental Dredging Co., Ltd., Montreal, Que.
138743	Charles Edward	Yarmouth	72 0	17 9	7 4	43	40	13 se...	Rudolph Le Blanc, et al., Wedgeport, N.S.
94718	Charles F.	Port Stanley, Ont.	31 5	10 4	3 4	8	5	1 se...	John Nichol, Port Bruce, Ont.
134492	Chas. H. Shaw	Quebec	240 0	42 0	14 9	1,489	951	116 se...	Quebec & Lévis Ferry Co., Ltd., Quebec, Que.
134836	Charles Halliday	Sault Ste. Marie	60 0	16 0	4 7	23	23	32 se...	Alexander B. McLean, Sault Ste. Marie, Ont.
125975	Charles Lyon	Prescott	280 0	40 0	19 9	1,658	1,127	161 se...	Canadian Pacific Car & Passenger Transfer Co., Ltd., Prescott, Ont.
134087	Charles Todd	Vancouver	45 8	11 0	4 8	23	16	7 se...	The Minister of the Interior, Ottawa, Ont.
134194	Charles W. Ritter	Sault Ste. Marie	51 0	15 2	8 2	41	18	1 se...	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
122150	Charley M. Scott	St. John, N.B.	44 2	10 0	4 6	17	11	6 se...	James S. Gregory, St. John, N.B.
103676	Charley M.	Toronto	74 5	11 0	5 0	50	30	8 se...	The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto, Ont.

¹Foreign name "Cara." ²Foreign name "Sterling." ³Formerly "J. R. McDonald."

⁴Formerly "Columbia." ⁵Formerly "James H. Langdon." ⁶Formerly "Charles Kellogg."

⁷Formerly a sailing vessel and steamer "Mytes." ⁸Formerly "Queen" and "Robinault."

⁹Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship	Port of Registry	Built	Where Built	Length in feet and 10ths	Breadth in feet and 10ths	Taregt in feet and 10ths	Depth in feet and 10ths	Gross Tonnage	Registered Tonnage	Tomage enregistré	H.P. of Engines and Mode of Propulsion	Owner or Managing Owner, and Address.
N ^o officiel	Nom du navire	Port d'enregistrement	Construit en	Lieu de construction	Longueur en pieds et 10es	Largeur en pieds et 10es	Breadth in feet and 10ths	Profondeur en pieds et 10es	Tomage brut	Tomage enregistré	Puissance des machines en c.v. et mode de propulsion	Annuaire ou propriétaire gérant, et adresse.	
88622	Charlton	Windsor, Ont.	1862	Chicago, Ill., U.S.A.	135 0	19 4	10 4	339	265	69	sc.	Victoria Harbour Lumber Co., Ltd., Victoria Harbour, Ont.	
88075	Chasina	Vancouver	1896	Collingwood, Ont.	141 8	22 1	11 6	259	139	80	sc.	Union Steamship Co. of British Columbia Ltd., Vancouver B.C.	
100793	Charmer	Victoria	1881	Govan, G. B.	200 0	42 0	12 9	1,041	497	150	sc.	Canadian Pacific Railway Co., Montreal, Que.	
103099	Chateauguay	Montreal	1894	San Francisco, Cal., U.S.A.	126 5	20 5	7 0	332	170	20	pa.	Joseph Beaudin, Montreal, P.Q.	
130282	Chatson	St. Catharines	1907	Sorel, Que.	61 0	17 6	8 8	55	34	10	sc.	Harold J. and Clarence Pendergast, Cornwall, Ont.	
130399	Chcekannus	Vancouver	1910	Port Robinson, Ont.	145 3	28 1	10 0	689	403	58	sc.	Union Steamship Company of British Columbia, Ltd., Vancouver, B.C.	
108683	Chebucto	Halifax	1897	Kelvinhaugh, Glasgow, G.B.	125 0	48 0	12 7	578	260	40	sc.	The Dartmouth Ferry Commission, Dartmouth, N.S.	
130493	Cheerful	New Westminster	1912	Fraser Mills, B.C.	73 4	18 0	7 8	80	42	28	sc.	Canadian Tug Boat Co., Ltd., Vancouver, B.C.	
130805	Chelohsin	Vancouver	1911	Dublin, Ireland	175 5	35 1	14 0	1,134	597	131	sc.	Union Steamship Co. of British Columbia, Ltd., Vancouver, B.C.	
126509	Chemainus	Vancouver	1909	Chemainus, B.C.	93 4	22 0	9 8	153	71	40	sc.	Kingcome Navigation Co., Ltd., Vancouver, B.C.	
138683	Chemona	Vancouver	1912	Vancouver, B.C.	40 0	9 0	5 2	13	9	1	sc.	Jacob, B. and George E. Lightheart, J.O., Vancouver, B.C.	
125973	Cherookee	Toronto	1907	Toronto, Ont.	120 0	23 0	7 2	328	160	41	sc.	The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto, Ont.	
134471	Cherrier III	Montreal	1914	Verebores, Que.	31 7	7 4	2 4	4	3	3	sc.	Aldard A. Cherrier, Montreal, Que.	
134290	Cheslatta	Victoria	1907	Arrowhead, B.C.	59 7	12 0	3 2	18	12	13	sc.	David T. Hall, Hall's Landing, B.C.	
94728	Chester	Windsor, N.S.	1890	Hantsport, N.S.	73 9	17 3	10 0	98	7	16	sc.	Gypsum Packet Co., Ltd., Windsor, N.S.	
137938	Chiba	Vancouver	1915	Vancouver, B.C.	44 5	11 5	4 4	18	12	3	sc.	Watson Bros. Fishing and Packing Co., Ltd., Vancouver, B.C.	
120491	Chickadee	Montreal	1906	Trevauxville, Que.	35 8	9 1	6 5	9	6	4	sc.	Herbert R. Holder, Montreal, Que.	
120479	Chico	Halifax	1906	Malhorne Bay, N.S.	23 8	5 4	3 0	2	1	5	sc.	Arthur W. Cogswell, Halifax, N.S.	
55588	Chicori	Halifax	1861	Liverpool, G.B.	221 0	26 0	10 9	951	540	180	pa.	Canada Steamship Lines, Ltd., Montreal, Que.	
120732	Chidori	Vancouver	1909	Steveston, B.C.	34 7	8 5	3 9	8	5	3	sc.	Otoiro Mori, Vancouver, B.C.	
133736	Chief Skagaid	Prince Rupert	1913	Vancouver, B.C.	77 1	18 0	8 0	80	55	3	sc.	The Canadian Fish & Cold Storage Co., Ltd., Vancouver, B.C.	
133719	Chief Zibassa	Prince Rupert	1912	Vancouver, B.C.	77 0	18 0	7 4	60	41	7	sc.	The Canadian Fish & Cold Storage Co., Ltd., Prince Rupert, B.C.	
948290	Chieftain	Victoria	1890	Victoria, B.C.	79 5	16 5	7 8	65	39	22	sc.	Achates Tow Boat Co., Ltd., Vancouver, B.C.	
92938	Chieftain	Winnipeg	1889	Big Forks, Rainy River, Ont.	52 0	12 0	5 4	40	27	2	sc.	F. W. Coates, Fort Frances, Ont.	
125063	Chignecto	Parrsboro	1908	Port Greville, N.S.	78 6	17 8	7 2	86	36	16	sc.	Peter J. Walker, Port Hawkesbury, N.S.	
134040	Chis Chala	Victoria	1913	Fort George, B.C.	65 5	16 4	3 0	101	64	2	pa.	Fort George Trading & Lumber Co., Ltd., Fort George, B.C.	
87034	Chitco	Vancouver	1883	Govan, G. B.	154 0	22 0	12 4	309	197	80	sc.	Union Steamship of British Columbia, Ltd., Vancouver, B.C.	

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

1910	1911	1912	1913	1914	1915	23 5	4 5	4 5	455	274	21 pa.	John K. McLaren and Alan J. Adamson, Winnipeg, Man.
126945	Chileotin	Victoria	1910	Soda Creek, B.C.	134 5	23 5	4 5	4 5	455	274	21 pa.	John K. McLaren and Alan J. Adamson, Winnipeg, Man.
138163	Vancouver	Vancouver, B.C.	1916	Vancouver, B.C.	51 4	15 5	5 6	3 0	30	20	4 sc.	Gosse Millard Packing Company Limited, Vancouver, B.C.
117158	New Westminster	Astoria, Ore., U.S.A.	1889	Astoria, Ore., U.S.A.	59 0	14 5	4 3	3 1	23	15	2 sc.	William H. Hind, Vancouver, B.C.
107736	Chinook	Vancouver, B.C.	1900	Vancouver, B.C.	46 8	12 3	6 9	2 2	15	15	15 sc.	John Percival Wall, Victoria, B.C.
123272	Chippewak	Vancouver, B.C.	1907	Vancouver, B.C.	23 0	5 9	2 5	2	2	13	13 sc.	Canada Steamships, Vancouver, B.C.
1000753	Chippewa C	Toronto	1893	Hamilton, Ont.	308 5	36 3	12 5	1,514	764	183 pa.	183 pa.	Canada Steamships Limited, Montreal, Que.
1385356	Chadite	Toronto	1911	Vancouver, B.C.	78 6	18 5	7 7	95	35	16	8 sc.	International Petroleum Co., Ltd., Toronto, Ontario.
1302924	Choctaw	Port Stanley	1911	Collingwood, Ont.	75 0	16 3	9 6	3 0	11	10	16 sc.	Malcolm McIvor and Percy L. Glover, J.O., Port Stanley, Ont.
1308655	New Westminster	New Westminster	1911	New Westminster, B.C.	35 2	9 6	4 0	11	8	10	6 sc.	Joseph W. Pike, New Westminster, B.C.
131058	Christena Mac	Port Arthur	1913	Port Arthur, Ont.	48 0	11 7	5 5	57	36	20	20 pa.	W. Glover and K. Slineves, Campbellton, N.B.
831103	Christina	Rethibucto	1886	Mission Point, Que.	70 3	17 2	9 9	140	95	37	5 sc.	The Packers Steamship Co., Ltd., Vancouver, B.C.
867114	Christine	Ottawa	1881	Port Glasgow, G.B.	67 8	14 0	7 9	54	37	33	3 sc.	Wallace Shipyards, Ltd., North Vancouver, B.C.
1383357	Chauquella	Vancouver	1914	North Vancouver, B.C.	35 0	11 0	4 4	22	12	11	2 sc.	William E. Beaton, Ottawa, Ont.
131127	Chumny	Ottawa	1905	Rockland, Ont.	39 5	11 7	4 4	17	11	1	1 sc.	DeLancey Packing Co., Ltd., Vancouver, B.C.
137955	Chuparusa	Vancouver	1915	Lamell, B.C.	39 8	11 7	4 4	17	11	2	2 sc.	E. J. Harrison, M.O., Owen Sound, Ont.
134082	Chauquella	Vancouver	1913	Vancouver, B.C.	39 5	9 0	3 8	13	9	9	75 sc.	The Minister of Public Works, Ottawa, Ont.
161153	Churcheil	Owen Sound	1864	Buffalo, N.Y., U.S.A.	110 0	18 5	5 0	59	23	10	10 sc.	The Minister of Public Works, Ottawa, Ont.
126419	Gingalee	Toronto	1905	Wallsend, G.B.	272 0	38 1	26 1	2,258	243	200 sc.	200 sc.	International Petroleum Company, Limited, Toronto, Ont.
96137	Circassian Princess	Toronto	1889	Wallsend, G.B.	1,433	26 1	2 7	13	9	1	1 sc.	Dominic Burns, Vancouver, B.C.
130858	Circle B.	Vancouver	1911	Etarne, B.C.	42 0	10 4	3 7	35	26	4	4 sc.	Joseph M. Collins, South Port George, B.C.
134632	Circle W.	Victoria	1912	Tête Jaune Cache, B.C.	59 8	11 3	2 7	35	26	13	13 sc.	Harly Taylor, Port Stanley, Ont.
132795	Cisco	Port Stanley	1918	South Port George, B.C.	67 8	16 6	6 8	42	28	42	42 sc.	W. E. Preston, Ltd., Midland, Ont.
111561	City Queen	Midland	1900	Midland, Ont.	70 5	15 7	4 5	69	43	10	10 sc.	Anglo-Canadian Leather Co., Ltd., Huntsville, Ont.
111919	City of Bala	Toronto	1901	Bala, Ont.	76 3	12 7	4 8	74	47	3	3 sc.	St. Joe Island and Sault Line, Ltd., Sault Ste. Marie, Ont.
92734	City of Chatham	Toronto	1888	Toronto, Ont.	125 6	14 9	0 0	362	216	150 sc.	150 sc.	Nooka Packing Co., Ltd., Vancouver, B.C.
136779	City of Clinton	Victoria	1914	Tacoma, Wash., U.S.A.	43 2	31 5	5 8	25	15	3	3 sc.	Wm. F. Colby, Port Dover, Ont.
136647	City of Dover	Port Dover	1916	Port Dover, Ont.	74 8	20 4	7 0	81	55	9	9 sc.	John S. McQueen, Amberburg, Ont.
126197	City of Dresden	Kenora	1872	Walkerville, Ont.	43 0	23 2	8 8	132	76	8	8 sc.	John Cummer, Ltd., Edmonton, Alta.
126445	City of Edmonton	Ottawa	1909	Strathcona, Alta.	122 0	26 8	4 0	301	190	9	9 pa.	John Cunningham, Mattawa, Ont.
126450	City of Hamilton	Ottawa	1908	Kippewa, Que.	47 0	32 3	6 7	38	26	80	80 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
126526	City of Halifax	Ottawa	1871	Buffalo, N.Y., U.S.A.	220 0	32 5	14 0	1,367	630	21	21 sc.	Chas. Ross, Port Matland, Ont.
107942	City of Ladysmith	Ottawa	1900	Hamilton, Ont.	69 6	16 0	5 2	35	24	12	12 sc.	Achille Bernier, St. Joseph de Levis, Que.
92390	City of London	Quebec	1888	Kingston, Ont.	120 0	27 0	7 8	516	291	37	37 sc.	Fredrick G. Thulin, M.O., Lund, B.C.
126545	City of Lund	Vancouver	1909	Lund, B.C.	55 5	13 5	6 9	49	33	9	9 sc.	The Collingwood Steamship Co., Ltd., Collingwood, Ont.
117082	City of Mesford	Collingwood	1906	Mesford, Ont.	111 0	24 0	8 5	328	223	28	28 sc.	Lake Shore Sand & Gravel Co., Ltd., Toronto, Ont.
116393	City of New York	Toronto	1863	Cleveland, O., U.S.A.	126 0	27 6	11 6	292	171	19	19 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
120018	City of Ottawa	Ottawa	1871	Buffalo, N.Y., U.S.A.	218 0	32 6	13 7	1,323	670	80	80 sc.	Prince Albert Lumber Company, Ltd., Prince Albert, Sask.
122291	City of Prince Albert	Prince Albert	1906	Prince Albert, Sask.	96 0	20 0	4 5	141	89	6	6 pa.	Lake Winnipeg Shipping Co., Ltd., Winnipeg, Man.
132950	City of St. Boniface	Winnipeg	1913	Winnipeg, Man.	100 0	30 0	4 0	311	163	13	13 pa.	Victoria Fishing Co., Ltd., Victoria, B.C.
100645	City of San Diego	Victoria	1881	San Francisco, Cal., U.S.A.	47 5	20 5	6 5	52	31	3	3 sc.	The North West Navigation Co., Ltd., Winnipeg, Man.
100134	City of Selkirk	Winnipeg	1892	Selkirk, Man.	143 7	24 0	9 0	293	199	32	32 sc.	Charles C. Pileky, Vernon, B.C.
122400	City of Vernon	Victoria	1909	Long Lake, B.C.	50 0	11 2	4 7	19	13	5	5 sc.	Robert Allan, Chenaunus, B.C.
130887	Clan	Victoria	1907	Victoria, B.C.	27 5	6 9	2 6	3	2	1	1 sc.	Robert Stevenson, Wallace, N.S.
96762	Clansman	Port Hawkesbury	1890	Port Hawkesbury, N.S.	50 0	10 9	6 6	23	16	12	12 sc.	Coast Steamship Co., Ltd., Vancouver, B.C.
107711	Clansman	Vancouver	1899	Vancouver, B.C.	82 0	17 2	6 8	72	49	5	5 sc.	Liverpool Canning Co., Ltd., Vancouver, B.C.
130814	Clara Hickler	New Westminster	1917	Steveston, B.C.	40 0	8 6	4 0	12	8	2	2 sc.	John F. Boyd, Sault Ste. Marie, Ont.
108347	Clara M.	Sault Ste. Marie	1892	Buffalo, N.Y., U.S.A.	41 2	11 7	6 3	42	32	4	4 sc.	Thomas B. Fitzpatrick, Melldrum Bay, Ont.
110780	Clara M.	Owen Sound	1902	Toburn, Ont.	39 0	10 0	3 6	9	6	4	4 sc.	Charles Stannard, Vancouver, B.C.
116551	Clara W. Young	Vancouver	1888	New Westminster, B.C.	54 5	13 2	5 2	31	21	4	4 sc.	R. H. Putman, Onslow, N.S.
94981	Clark Bros.	Midland	1903	Princeport, N.S.	79 0	21 7	6 9	88	60	38	38 sc.	Lawrence Solman, Toronto, Ont.
		Toronto	1890	Toronto, Ont.	80 0	16 2	5 5	92				
			1901									

1 Formerly "Premier"; 2 Formerly "Cheslakee"; 3 Formerly "Santa Maria"; 4 Formerly "Edsall"; "Bayfield" and "Harrison." 5 Formerly "Japan." 6 Formerly "Kathleen." 7 Formerly "India." 8 Formerly Sailing Vessel. 9 Formerly "Selma"; 10 Formerly "Santina"; and "Santa Cecilia."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and inches.	Breadth in feet and inches.	Depth in feet and inches.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
116465	Chaxton	Vancouver	1900	Ballard, Wash., U.S.A.	72 1	18 6	7 1	84	57	10 sc...	August Janson, Ucheltt, B.C.
121741	Clayburn	Vancouver	1906	Vancouver, B.C.	73 0	17 9	8 4	76	51	26 sc...	Vancouver Tug & Barge Co., Ltd., Vancouver, B.C.
112948	Claymore	Vancouver	1906	Vancouver, B.C.	29 4	7 0	3 3	7	5	1 sc...	W. McCarthy <i>et al.</i> , Vancouver, B.C.
103779	Clayton	Vancouver	1902	Vancouver, B.C.	62 8	15 2	6 6	43	24	45 sc...	Mrs. John A. Greary, St. John, N.B.
103770	Cleave	Vancouver	1887	Parrishoro, N.S.	56 6	12 1	6 3	36	24	8 sc...	William N. Connelly, Vancouver, B.C.
108759	Cleopatra	Toronto	1893	New Westminster, B.C.	113 5	16 9	6 2	104	71	32 sc...	A. F. Gooderbat, Toronto, Ont.
126405	Cliffside	Ottawa	1909	Hamilton, Ont.	70 9	16 8	6 1	68	24	7 sc...	The Minister of Public Works, Ottawa, Ont.
134459	Clincher	Halifax	1892	Ottawa, Ont.	132 6	25 4	16 0	368	66	81 sc...	Wart Office, London, Eng.
146937	Clinton	Halifax	1904	Camden, N.J., U.S.A.	98 0	19 0	9 1	155	84	30 sc...	Pacific Great Eastern Railway Co., Victoria, B.C.
112389	Clive	Sydney, N.S.	1904	Tarona Wash., S.A.	39 5	10 5	5 1	13	13	3 sc...	1 Owen James, Wine Harbour, N.S.
116290	Clipper	Toronto	1903	North Sydney, N.S.	62 0	13 3	6 0	46	29	17 sc...	The Sable & Spanish Broom & Slide Co., of Algoma, Ont.
107197	Clipper	Winnipeg	1897	Kenora, Ont.	69 5	13 0	4 3	53	32	8 sc...	H. E. Brunsner, Kenora, Ont.
111993	Clive	New Westminster	1902	New Westminster, B.C.	54 0	13 0	5 3	35	21	9 sc...	Fraser River Pile Driving Company, Ltd., New Westminster, B.C.
126213	Clousla	Vancouver	1908	Vancouver, B.C.	29 0	8 3	3 2	7	4	1 sc...	Charles Gunner Eng., Rock Bay, B.C.
126232	Cloverly	Victoria	1908	Vancouver, B.C.	37 0	9 3	3 3	7	5	1 sc...	Leonard A. Waymon, Kelowna, B.C.
126486	Clearan	Montreal	1905	Guanouque, Ont.	34 0	7 6	3 2	6	6	1 sc...	L. S. Orlé, Westmount, Que.
171779	Cleus	Goderich	1882	Goderich, Ont.	49 0	13 8	5 1	28	19	10 sc...	Domionon Fish Co., Ltd., Winnipeg, Man.
111857	Clutha	New Westminster	1903	New Westminster, B.C.	65 0	11 4	4 1	28	19	2 sc...	The St. Mungo Cannng Co., Ltd., New Westminster, B.C.
94898	Clyde	New Westminster	1889	Vancouver, B.C.	80 0	19 0	6 1	68	46	7 sc...	J. B. Newcomb, M.O., Vancouver, B.C.
112509	Glymene	St. John, N.B.	1901	St. John, N.B.	39 7	8 0	3 5	10	52	16 sc...	Roy M. Kirk, Holderville, N.B.
116951	Coast Guard	Liverpool	1904	Sheburne, N.S.	77 6	21 6	8 0	149	89	10 sc...	Southern Salvage Co., Ltd., Liverpool, N.S.
138304	Coaster	Vancouver	1916	New Westminster, B.C.	91 0	21 0	7 2	149	89	10 sc...	Coast Steamship Company, Limited, 530 Seymour St., Vancouver, B.C.
86071	Coban	Montreal	1882	Sunderland, G.B.	230 0	33 1	16 0	1,063	639	136 sc...	Black Diamond Steamship Co. Ltd., Montreal, Que.
111938	Cobocook	Lindsay	1902	Cobocook, Ont.	30 7	12 4	3 1	3	3	8 pa...	Mrs. C. McFadden, Fenelon Falls, Ont.
111431	Cock O' the North	Halifax	1902	Dartmouth, N.S.	31 5	3 5	3 3	9	9	3 sc...	George H. Young, Dartmouth, N.S.
136852	Cohoe	Vancouver	1911	Seattle, Wash., U.S.A.	44 6	12 6	4 9	19	12	23 sc...	Wallace Fisheries, Ltd., Vancouver, B.C.
116404	Colby	Victoria	1902	Seattle, Wash., U.S.A.	35 1	9 4	3 1	11	7	12 sc...	W. H. Whitley, <i>et al.</i> , Victoria, B.C.
34142	Colin R.	Montreal	1913	Three Rivers, Que.	48 5	12 7	3 9	24	11	6 sc...	The St. Maurice Construction Co., Ltd., Montreal, Que.
134347	Colt W.	Montreal	1881	West Bay City, Mich., U.S.A.	252 5	36 4	19 5	1,549	970	98 sc...	Steamer Colin W. Ltd., Quebec, Que.
138518	Collard	Quebec	1917	La Grande Romano, Que.	32 6	10 1	5 1	8	3	2 sc...	Sir Charles L. Ross, Quebec, Que.
96807	Collector	Halifax	1891	Dartmouth, N.S.	63 8	20 8	5 5	52	35	25 sc...	Alfred G. Heffer, Halifax, N.S.

SESSIONAL PAPER No. 22

120881	Colleen	Victoria	1909	Seattle, Wash. U.S.A.	78 5	19 2	7 1	56	4 se.	Colleen Co. Ltd., Victoria, B.C.
122551	Colleen	Vancouver	1903	Vancouver, B.C.	23 6	9 0	3 0	3	1 se.	Frederick Keeling, Vancouver, B.C.
126519	Collège Wida	Westminster	1910	Victoria, B.C.	53 2	15 2	7 5	30	2 se.	Nordick Packing Co., Ltd., Vancouver, B.C.
117089	Collingwood	Collingwood	1907	Collingwood, Ont.	283 2	93 0	43 0	4, 539	3, 480	Canada Steamship Lines, Ltd., Montreal, Que.
126926	Colon B	Quebec	1910	Quebec, Que.	120 6	34 0	15 5	359	57 se.	Levis Ferry, Ltd., Levis, Que.
82911	Colon B	Prescott	1917	Ogdensburg, N.Y., U.S.A.	145 6	39 2	3 0	20	9 se.	David Elgert, Burrill's Rapids, Ont.
123493	Colon White	Montreal	1911	Stamford, Ont.	47 7	17 0	3 1	9	2 se.	Riverton Pulp and Paper Co. Ltd., Montreal, Que.
122012	Colong	Ottawa	1906	Sand Point, Ont.	47 7	17 0	3 1	19	2 se.	Gilhes Bros. Co., Ltd., Brasseau, Ont.
123295	Colong	Ottawa	1906	Nipewyan Lake, Que.	52 0	12 3	4 7	35	20 pa	Colonial Lumber Co., Ltd., Pembroke, Ont.
163892	Columbia	New Westminster	1910	Nakup, B.C.	72 0	17 3	6 4	47	17 se.	Canadian Pacific Railway Co., Montreal, Que.
126800	Columbia	Vancouver	1910	New Westminster, B.C.	87 6	18 4	7 2	106	17 se.	Columbia Coast Mission (Inc.), Vancouver, B.C.
94939	Connet	Port Hope	1895	Lake Seaugo, Ont.	45 0	8 5	3 7	14	7 se.	Josiah Ball, Fesserton, Ont.
91759	Connet	Toronto	1901	Lake Seaugo, Ont.	51 0	9 5	3 7	21	13 se.	John D. Walker, Bass River, N.B.
93450	Connet	Toronto	1901	Lake Seaugo, Ont.	45 0	8 5	3 7	14	7 se.	John D. Walker, Bass River, N.B.
90629	Confort	Toronto	1891	Milford Bay, Ont.	60 0	11 5	3 0	20	13 se.	The Rathbun Co., Deseronto, Ont.
97067	Confort	Halifax	1891	Rondeau, Ont.	43 9	13 8	3 3	14	12 se.	Daniel Eberts, Wallaceburg, Ont.
163455	Connomore	Ottawa	1885	Charlton town, P.E.I.	48 2	8 5	3 0	13	20 se.	William N. Wickwire, Halifax, N.S.
163457	Connomore	Ottawa	1885	Charlton town, P.E.I.	36 2	8 5	3 0	8	6 se.	William N. Wickwire, Halifax, N.S.
167187	Connomore	Sault Ste Marie	1887	Nantowoc, Wis., U.S.A.	59 0	11 5	7 0	40	25 se.	Lake Superior Paper Company, Limited, Sault Ste Marie, Ont.
122263	Connomore	Vancouver	1907	Nantowoc, Wis., U.S.A.	119 6	25 1	14 3	318	32 se.	B. Mills Pig & Barge Co., Ltd., Vancouver, B.C.
116267	Connomore	Vancouver	1903	Bronto, Ont.	69 7	27 6	3 0	287	15 1 se.	Philip M. Mulhon, Amherstburg, Ont.
117015	Connomore	Vancouver	1903	Vancouver, B.C.	122 0	16 2	5 9	2	3 se.	Forest Mills of British Columbia, Ltd., Revelstoke, B.C.
100022	Conox	Vancouver	1891	Vancouver, B.C.	101 0	18 1	3 2	101	60 se.	Vancouver Machinery Depot, Ltd., Vancouver, B.C.
130927	Conox	Montreal	1882	Detroit, Mich., U.S.A.	241 0	36 9	18 6	1, 530	937 1 se.	George Hall Company of Canada Ltd., B.C. Montreal, Que.
138360	Condit	Vancouver	1917	Vancouver, B.C.	35 9	9 9	5 8	15	10 2 se.	Pacific Mills Ltd., Vancouver, B.C.
116653	Connors Bros.	Yarmouth	1904	Shelburne, N.S.	97 0	21 6	9 0	145	64 30 se.	The Maritime Steamship Co., Ltd., Black's Harbour, N.B.
138233	Conqueror	Montreal	1883	Buffalo, N.Y., U.S.A.	110 6	19 3	8 5	166	91 55 se.	The Sincennes McNaughton Line, Ltd., Montreal, Que.
100412	Constance	Ottawa	1917	Sorel, Que.	115 6	19 6	11 2	185	126 50 se.	The Minister of Customs, Ottawa, Ont.
103986	Constance	Toronto	1898	Owen Sound, Ont.	82 0	13 6	5 0	52	35 2 se.	J. C. Little, Rosseau, Ont.
116463	Constance	Vancouver	1903	Gravenhurst, Ont.	35 8	9 5	3 8	11	8 2 se.	Arthur R. Barrow, Hill's Island, B.C.
64906	Contest	Quebec	1872	Quebec, Que.	132 3	23 0	10 5	274	100 pa.	Canadian Bank of Commerce, H.O. Toronto, Ont.
126459	Contrecoeur	Quebec	1895	Levis, Que.	83 3	22 7	5 1	174	74 48 se.	The Minister of Marine and Fisheries, Ottawa, Ont.
130853	Convoy	Victoria	1910	Sorel, Que.	41 7	34 8	5 2	725	457 15 pa.	John W. Stewart, Vancouver, B.C.
130399	Coocochic	Montreal	1910	Tele Jeanne Cliche, B.C.	23 6	4 6	2 3	1	1 se.	J. C. Giroux, Montreal, Que.
134073	Coogre II	Vancouver	1913	Grandes Piles, Que.	35 8	9 0	3 8	12	8 1 se.	Pacific Mills, Ltd., Vancouver, B.C.
100205	Coquitlam	Vancouver	1892	Vancouver, B.C.	120 0	22 0	9 6	256	166 28 se.	The Union Steamship Co. of British Columbia, Ltd., Vancouver, B.C.
111933	Corà	Lindsay	1902	Port Perry, Ont.	55 3	9 9	4 6	23	16 1 se.	J. B. Bowerman, Port Perry, Ont.
92445	Corà	Toronto	1887	Toronto, Ont.	32 3	7 5	3 2	4	3 se.	Oliver B. Sheppard, Toronto, Ont.
126878	Cora Gerlie	Digby	1911	Deer Island, N.B.	61 0	16 3	7 0	30	24 3 se.	Geo. C. Crocker and E. R. Crocker, J.O., Freeport, N.S.
130787	Cora Wells	Port Hawkesbury	1913	White Haven, N.S.	44 4	11 8	5 0	13	13 3 se.	John Munroe, Auld's Cove, N.S.
134241	Corendon	Toronto	1908	Hamilton, Ont.	43 0	7 5	3 3	6	4 se.	James W. E. Henderson, et al., J.O., Hamilton, Ont.
116220	Corinne	Montreal	1903	St. Joseph de Levis, Que.	48 5	12 3	3 0	23	9 4 se.	W. J. Poupore, Montreal, Que.
116069	Corwall	Kingston	1874	Kingston, Ont.	176 6	27 1	9 9	588	61 pa.	John Donnelly, M.O., Kingston, Ont.
103973	Corona	Toronto	1896	Toronto, Ont.	270 3	32 4	12 5	1, 274	310 pa.	Canada Steamship Lines Ltd., Montreal, Que.
138858	Corone (Gt. Br.)	St. John, N.B.	1914	Pre d'en-haut, N.B.	61 5	20 0	4 7	49	3 3 se.	William Guro, Pre d'en-haut, N.B.
126177	Corsande	Montreal	1907	New Westminster, B.C.	29 6	8 0	3 6	8	6 1 se.	British Canadian Lumber Corporation, Ltd., Montreal, Que.
92224	Corunia	Montreal	1891	Leith, G.B.	230 0	34 1	19 7	269	792 4 se.	Coruna Shipping Co., Ltd., Halifax, N.S.
133553	Corvicia	Vancouver	1913	Vancouver, B.C.	31 0	9 2	3 6	6	6 4 se.	George H. Wales, Vancouver, B.C.
138526	Corzo	Vancouver	1913	British Columbia	32 5	9 4	4 0	4	6 2 se.	Northern B.C. Fisheries, Ltd., Vancouver, B.C.
138498	Coaching	Montreal	1917	Froquois Falls Ont.	72 7	18 5	3 6	43	3 2 se.	Albion Power & Paper Co., Ltd., Montreal, Que.
138495	Coatée	New Westminster	1912	Steveston, B.C.	38 0	9 6	3 8	12	8 1 se.	Quebec Steamship Co., Ltd., Vancouver, B.C.
138068	Coaroelette	Ottawa	1896	Nyaack, U.S.A.	118 0	16 6	9 5	111	62 36 se.	Quebec Harbour Commissioners, Quebec, P.Q.
107890	Courier	Montreal	1900	Montreal, Que.	36 9	9 3	6 2	12	8 3 se.	Harbour Commissioners of Montreal, Montreal, Que.

¹Formerly "Queen of Pacific." ²Formerly sailing vessel. ³Formerly "Stranstead" and foreign name "Clyde." ⁴Formerly "Vera." ⁵Formerly "Massachusetts." ⁶Formerly Granville. ⁷Foreign name "Wm. L. Proctor." ⁸Formerly "Algerian." ⁹Foreign Name "Juanita."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Naves des Motor Vessels in *Italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construction.	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Largeur en pieds et 10es.	Depth in feet and 10ths.	Gross Tonnage. Poussance des machines en Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
116775	Countl.	Vancouver.	1904	Vancouver, B.C.	71 4	18 8	9 8	68	28 sc.	28 sc.	Claude S. Thicke and N. R. Whittall, J. O., Vancouver, B.C.	
138874	Cosatl.	Vancouver.	1909	Seattle, Wash., U.S.A.	54 7	10 3	3 5	17	12	12	Sir William Vau, Irrigated Fruit Lands, Ltd., Calgary, Alta.	
121887	Coerhozen.	St. John, N.B.	1906	Southampton, G.B.	28 0	8 1	4 2	11	6	6	Gordon T. Leung, Vancouver, B.C.	
126210	Cowichan.	Vancouver.	1908	Ayr, Scotland, G.B.	157 1	23 1	13 5	902	520	520	James L. Sloan, Port Essington, B.C.	
126235	Craigflower.	Victoria.	1905	Victoria, B.C.	65 0	12 3	2 8	21	12	12	W. M. Tyson, Warton, Ont.	
110844	Crawford.	Owen Sound.	1906	Warton, Ont.	86 0	15 9	6 5	50	37	37	Wesley Newton, Vancouver, B.C.	
111533	Creseent.	Vancouver.	1898	Vancouver, B.C.	28 6	7 7	2 6	3	1	1	George W. Hale, Nelson, B.C.	
120231	Croston.	Victoria.	1891	Nelson, B.C.	35 4	8 9	2 7	5	3	3	Hon. F. J. Whitcraft, Montreal, Que.	
107996	Crockett.	St. John, N.B.	1891	St. John, N.B.	36 5	7 3	3 6	5	3	3	Mrs. F. J. Whitcraft, Vancouver, B.C.	
120895	Crofton.	Vancouver.	1910	Chase, B.C.	90 3	21 3	4 6	162	102	102	Adams River Lumber Company, Limited, Chase, B.C.	
134640	Crombie.	Victoria.	1916	Chase, B.C.	55 0	16 8	7 2	45	30	30	John B. Miller, Toronto, Ont.	
75454	Cruiser.	Toronto.	1887	Portsmouth, U.S.A.	99 0	9 2	4 3	12	8	8	Davison-Ward Co., Ltd., Vancouver, B.C.	
122368	Cruiser.	Vancouver.	1907	Port, Wash., U.S.A.	87 5	14 5	6 5	86	48	48	The Craig-Toving Company, Ltd., Halifax, N.S.	
104606	Cruiser.	Halifax.	1895	Port Glasgow, G.B.	150 0	23 5	13 0	380	24	112	Abemethy & Loughheed, Ltd., Port Haney, B.C.	
134572	Cudus.	New Westminster.	1911	Edburne, B.C.	35 2	8 0	5 0	13	9	9	Claud C. Keschuh, Princes Rupert, B.C.	
138558	Cumshewa.	Vancouver.	1906	Winstow, Wash., U.S.A.	40 8	11 0	4 1	11	8	8	Thomas Smith, Port Mouton, N.S.	
130677	Cunner.	Vancouver.	1911	Tanook, N.S.	72 0	22 4	8 5	80	68	68	Edgar B. Blair, 544, Vancouver, N.S.	
137871	cupola.	Yarmouth.	1915	La Have, N.S.	46 1	11 4	5 2	14	10	3	The Granby Consolidated Mining, Smelting & Power Co., Ltd., Vancouver, B.C.	
138307	Cuprl.	Vancouver.	1916	Vancouver, B.C.	46 1	11 4	5 2	14	10	3	Whale Pup & Pear Mills, Ltd., Vancouver, B.C.	
130558	Cuprum.	Vancouver.	1911	Vancouver, B.C.	50 5	11 4	5 8	29	19	19	H. A. Cartwright, Belleville, Ont.	
100663	Curlew.	Belleville.	1895	Kingston, Ont.	35 3	7 0	2 9	9	6	6	The Minister of the Naval Service, Ottawa, Ont.	
100413	Curlew.	Ottawa.	1892	Owen Sound, Ont.	116 3	19 8	11 3	138	96	50	The Great Lakes Dressing Co., Ltd., Port Arthur, Ont.	
122178	Curlew.	Port Arthur.	1893	Ogdensburg, N.Y., U.S.A.	77 0	16 5	8 0	85	58	58	George R. Crowe, Winnipeg, Man.	
116698	Cygnel.	Kenora.	1907	Port Arthur, Ont.	92 0	9 0	3 0	4	3	1	Liverpool Fish Co., Ltd., Liverpool, N.S.	
111877	Cygnel.	Liverpool.	1904	Kenora, Ont.	37 3	9 9	3 0	11	8	2	The Maple Ridge Creamery & Fruit Canning Co., Ltd., Port Hammond, B.C.	
117019	Cygnel.	Vancouver.	1902	Yarmouth, N.S.	25 8	10 4	3 4	4	4	2	Nelson River Packing Co., Ltd., Selkirk, Man.	
112290	Cygnel.	Winnipeg.	1902	Selkirk, Man.	50 0	12 0	4 5	18	12	4	Dominion Fish Co., Ltd., Winnipeg, Man.	
103579	Cynthia.	Collingwood.	1897	Collingwood, Ont.	60 0	14 0	6 4	35	21	1	Charles Thulin, Lund, B.C.	
107896	Cynthia (The).	Montreal.	1900	Racine, Wis., U.S.A.	33 0	4 5	2 8	17	11	5	Imperial Munitions Board, Ottawa, Ont.	
121729	Cypress Queen.	Vancouver.	1905	Aetacoa Sound, B.C.	101 0	21 9	11 0	132	93	50		
108907	Czar.	Victoria.	1897	Victoria, B.C.	101 0	21 9	11 0	132	93	50		

SESSIONAL PAPER No. 22

No.	Name	Builder	Tonnage	Length	Breadth	Depth	Speed	Engines	Notes
138180	D. C. F. No. 1	Prince Rupert	34 6	12 2	6 0	14	10	2 sc.	Deep. C. Fisheries, Ltd., Prince Rupert, B.C.
138273	D. M. K.	Victoria, B.C.	25 5	7 2	3 4	3	3	3 sc.	Henry J. Ketchon, Victoria, B.C.
138420	D. A. Thomas	Peace River, Alta.	161 9	37 0	6 3	1,114	708	21 p.a.	Peace River Development Corporation, Ltd., Vancouver, B.C.
122283	D. D. Mann	Shelburne, N.S.	73 0	21 6	4 3	130	89	13 p.a.	The Town of Lockport, N.S.
122029	D. F. Co. 4	Lanenburg, N.S.	26 6	9 8	4 5	7	6	1 sc.	John F. Seldin, Liverpool, N.S., and William H. Doggett, Whitepoint, N.S., J.O.
85415	J. J. Burke	St. Catharines, Ont.	71 0	24 2	8 8	97	47	10 sc.	Canadian Stewart Co., Ltd., Toronto, Ont.
100725	J. D. Purdy	Montreal, Que.	142 2	18 4	8 4	500	315	34 p.a.	The Crystal Stream Steamship Co., Ltd., St. John, N.B.
1893	D. R. Van Allen	Buffalo, N.Y., U.S.A.	35 0	11 0	4 1	11	6	6 sc.	Lyon Colten, Montreal, Que.
71134	D. R. Van Allen	Buffalo, N.Y., U.S.A.	36 0	26 0	10 0	318	216	37 sc.	Norman M. Paterson, Fort William, Ont.
1874	D. S. Pratt	Midland, Ont.	81 3	20 0	6 0	31	18	42 sc.	The Canadian Dredging Co., Ltd., Midland, Ont.
126555	D. W. Crow	Chatham, Ont.	63 0	13 0	6 0	31	18	43 sc.	Norman Trotter, Little Current, Ont.
90539	D. W. Crow	Chatham, Ont.	69 3	15 0	6 5	36	25	11 sc.	Dominion Fish Co., Ltd., Winnipeg, Man.
116361	D. McLeod	Belleville, Ont.	46 5	9 3	3 3	13	12	5 sc.	Win. and W. G. Black, Belleville, Ont.
107682	D. Mack	Clayton, N.Y., U.S.A.	45 0	10 4	5 8	13	12	1 sc.	Ernest Covey, M.O., Tancook, N.S.
130623	Dagon	Tancook, N.S.	25 5	6 0	2 3	2	2	4 1/2 sc.	R. S. Fitz Randolph, Fredericton, N.B.
112222	Dakinda	St. Joseph, Mich., U.S.A.	45 0	6 0	2 3	2	2	5 sc.	G. B. Magee, Merrickville, Ont.
100657	Daisy	Alexandria Bay, N.Y., U.S.A.	39 0	6 1	3 1	2	2	5 sc.	G. B. Magee, Merrickville, Ont.
1893	Daisy	Quebec, Que.	41 6	11 0	4 5	15	10	12 sc.	The Minister of Public Works, Ottawa, Ont.
100465	Daisy	Vancouver, B.C.	35 8	9 8	4 2	13	9	8 sc.	Robert Hanna, Vancouver, B.C.
112245	Daisy	Vancouver, B.C.	71 0	14 4	5 6	47	25	11 sc.	Edmund and George H. Kinnie, J. O. West Vancouver, B.C.
88875	Daisy	Conroy, B.C.	69 0	15 2	6 0	58	39	9 sc.	Northern Fish Company, Limited, Selkirk, Manitoba.
111457	Daisy	Selkirk, Man.	69 0	15 2	6 0	58	39	9 sc.	Northern Fish Company, Limited, Selkirk, Manitoba.
103658	Daisy Moore	Wassa Bay, Man.	57 0	12 0	5 2	38	21	3 sc.	John W. Short, Kenora, Ont.
130731	Daisy Z.	Kenora, Ont.	39 6	10 0	5 4	11	10	7 1/2 sc.	Solomon Zinck, Blandford, N.S.
130312	Dalhousie City	Little Tancook, N.S.	199 8	37 0	20 7	1,256	752	115 sc.	MacKenzie, Mann & Co., Limited, Toronto, Ont.
138063	Dalton K.	Sturgeon Falls, Ont.	46 6	11 2	5 6	21	12	3 sc.	Chas. Williams, M.O., Sturgeon Falls, Ont.
97119	D'Alton McCarthy	Collingwood, Ont.	65 8	15 5	6 0	45	30	14 sc.	Win. G. Goodchild, Tp. of Malden, Ont.
126824	Dan Patch	Antwerpburg, Ont.	41 2	10 8	5 6	12	12	3 sc.	Albert Conrad, Upper La Have, N.S.
116805	Dandy	Tancook, N.S.	72 0	17 0	8 0	36	19	19 sc.	The Laurin & Leitch Engineering and Construction Company, Limited, Montreal, Que.
110726	Daniel	St. John, N.B.	50 8	12 9	5 8	30	21	14 sc.	River Valley Lumber Co., Ltd., Ormoco, N.B.
112005	Daniel M. Munro	Dumbarton, G.B.	229 7	35 0	21 0	1,216	888	18 sc.	Newport Plaster, Mining and Manufacturing Company, Limited, Windsor, N.S.
122028	Daphne	L.A.S.A.	44 0	10 4	4 6	11	7	5 sc.	Windsor, N.S.
122364	Daphne	L.A.S.A.	26 0	7 3	2 9	9	6	3 sc.	R. B. H. Robertson, Bridgewater, N.S.
131160	Daphora	Lang, B.C.	57 3	13 0	8 0	41	28	31 sc.	William B. Aronson, Lang, B.C.
122375	Daring	Hong Kong	72 0	17 8	8 0	81	55	16 sc.	Fitzherbert B. Oakden, Victoria, B.C.
110948	Dart	Vancouver, B.C.	136 0	6 0	2 3	2	2	4 sc.	William W. White, Vancouver, B.C.
90889	Dartmouth	Kenora, Ont.	21 0	6 0	2 3	2	1	4 sc.	Scott Hudson Building Co., Ltd., Kenora, Ont.
134314	Daughter of the Peaks (The)	Halifax, N.S.	136 0	28 4	10 7	311	196	75 p.a.	The Dartmouth Ferry Commission, Dartmouth, N.S.
111599	Dauntless	Kenora, Ont.	58 0	11 9	4 0	17	12	6 sc.	John Standly, Banff, Alta.
90579	Dauntless	New Westminster, B.C.	92 0	20 5	9 5	128	89	27 sc.	Westminster Towing & Fishing Co., Ltd., New Westminster, B.C.
122361	Dauntless	Toronto, Ont.	41 6	8 0	4 5	8	5	3 sc.	S. C. Macdonald, Dumville, Ont.
830872	Dauphin	Graydon, Wash., U.S.A.	32 1	7 3	3 5	10	7	3 sc.	James S. Emerson, Vancouver, B.C.
83306	David G. Thomson	Bellingham, Wash., U.S.A.	23 4	6 7	2 0	4	3	1 sc.	Martin Monk, New Westminster, B.C.
116368	David Marwick	New Westminster, B.C.	103 3	17 3	9 0	182	75	200 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
112168	David Ritchie	Godrich, Ont.	60 0	13 8	6 2	30	20	13 sc.	Howard J. Leslie, Tobermory, Ont.
134847	David Seath	Tobermory, Ont.	61 0	14 0	5 1	25	16	14 sc.	Alway Ritchie, Newcastle, N.B.
130589	Davis McVab	Chatham, N.B.	67 6	18 5	8 8	111	52	28 sc.	Harbour Commissioners of Montreal, Montreal, Que.
130541	Davy Jones	Montreal, N.B.	68 6	17 5	8 7	53	34	24 sc.	Harbour Ship Company, Ltd., Halifax, N.S.
		Halifax, N.S.	73 0	12 3	5 4	34	23	6 sc.	B. C. Mills, Tug & Barge Co., Ltd., Vancouver, B.C.

¹Formerly "Barin" ²Foreign name "Little Willie." ³Formerly "Flying Buzzard." ⁴Foreign name "Aurora." ⁵Formerly a Sailing Vessel. ⁶Formerly "Waubushene." ⁷Formerly "Sincennes." ⁸Formerly "Dean."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Joint owners*—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Paddle—à aubes; *Sc.*, Screw—à hélice. *Equipments with Wireless*—Muni de la T.S.F. *Names of Major Vessels in Italics*—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit.	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
100636	<i>Dawendocha</i>	Victoria	1882	Victoria, B.C.	33 4	11 5	4 5	40	7	1 sc.	Wm. Barrows, North Vancouver, B.C.
100820	<i>Dawn</i>	Port Hope	1888	Lakefield, Ont.	43 0	10 4	6 5	20	16	1 sc.	S. Purser, Hall's Bridge, Ont.
121825	<i>Dawn</i>	St. John, N.B.	1902	St. John, N.B.	26 0	7 0	3 0	5	3	1 sc.	Stinson Wellington Contract, St. Croix, N.B.
112174	<i>Dawn</i>	Victoria	1900	Toronto, Ont.	27 0	6 5	2 0	3	2	1 sc.	Jas. Cooper, Bracebridge, Ont.
107859	<i>Dawson</i>	Victoria	1903	White Horse, Y.T.	167 0	31 0	4 5	779	491	19 sc.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
116955	<i>Davy Star</i>	Nenora	1903	Kenora, Ont.	34 0	8 5	4 0	13	9	1 sc.	Albert Noyanagh, Kenora, Ont.
133888	<i>Daztagar</i>	Vancouver	1910	Tacoma, Wash., U.S.A.	31 5	10 5	3 9	43	1	1 sc.	C. L. Packing Company, Limited, New Westminster, B.C.
130998	<i>De Grace</i>	Chatham, N.B.	1913	Shippagan, N.B.	38 0	11 0	5 3	13	1	1 sc.	James De Grace, Shippagan, N.B.
126225	<i>De Las</i>	Sarnia	1906	Somerset, Ont.	16 7	4 6	1 5	1	1	4 sc.	Thomas W. Whaley, Sarnia, Ont.
131020	<i>De Queen</i>	Quebec	1913	St. Laurent, Que.	75 0	17 5	6 7	91	46	6 sc.	Jean Baptiste Simard, M.O., St. Jérôme, Que.
107491	<i>De St. Juste</i>	Quebec	1893	St. Laurent, Isle of Orleans, Que.	37 5	7 7	3 3	5	4	8 sc.	Jean Baptiste P. Leclercq, Quebec, Que.
131069	<i>De Witt</i>	Lancaster	1908	Lancaster, N.S.	43 9	11 0	5 5	12	4	3 sc.	David Rhoekner, Port Medway, N.S.
130497	<i>Debarth</i>	New Westminster	1912	Annville, N.S.	39 5	8 4	3 0	6	4	3 sc.	Jens Gunderson, Annville, B.C.
116711	<i>Dechance</i>	Halifax	1904	Stouffville, N.S.	61 7	12 7	6 5	98	26	13 1/2 sc.	Frank Roberts, Liverpool, G.B.
107717	<i>DeFrance</i>	Vancouver	1897	Tacoma, Wash., U.S.A.	63 0	15 9	4 1	43	22	5 sc.	Frank Monk and Vivian Dean, Vancouver, B.C.
126806	<i>Deibert D.</i>	Liverpool	1910	Medingham River, N.S.	61 0	16 9	7 6	41	9	14 sc.	The Southern Salvage Co., Ltd., Liverpool, N.S.
130621	<i>Delmon LaBlanc</i>	Yarmouth	1911	Wedgeport, N.S.	37 6	10 7	4 6	10	9	3 sc.	John Shandi, Bear Point, N.S.
130948	<i>Delta I.</i>	Lancaster	1912	Faneook, N.S.	31 4	10 4	5 3	12	11	3 sc.	Thomas Cashen, Port Pelly, N.S., and Anson W. Fader, Canso, N.S.
96856	<i>Delta</i>	Sarnia	1896	Port Huron, Michigan, U.S.A.	32 0	6 2	3 4	4	3	2 sc.	Jos. David, Carmarath, Ont.
130532	<i>Delta C.</i>	Montreal	1907	Bayonne, N.J., U.S.A.	59 5	10 1	4 4	23	16	31 sc.	Louis E. Charron, St. Denis, Que.
61134	<i>Dofine</i>	Montreal	1869	Buffalo, N.Y., U.S.A.	82 4	14 8	7 1	46	17	50 sc.	The Minister of Public Works, Ottawa, Ont.
134279	<i>Della C.</i>	Victoria	1914	Victoria, B.C.	41 3	11 4	6 2	20	10	20 sc.	Hube B. Babington, Prince Rupert, B.C.
138167	<i>Dell Martin</i>	Vancouver	1916	Nanaimo, B.C.	42 2	11 0	4 9	14	10	2 sc.	Wm. J. Gibbs, Brechin P.O., Nanaimo, B.C.
117004	<i>Delphia</i>	Vancouver	1902	Tacoma, Wash., U.S.A.	19 0	5 2	1 7	1	1	4 sc.	Hugh P. Smith, Vancouver, B.C.
134063	<i>Delphinium</i>	Vancouver	1912	Vancouver, B.C.	37 3	12 8	4 0	31	21	2 sc.	Kenzaburo, Ganda, Vancouver, B.C.
90618	<i>Delta</i>	Moncton	1889	Hillsboro, N.B.	31 5	12 0	4 8	20	12	15 sc.	Edward Kimie, Riverside, Albert Co., N.B.
106644	<i>Delta</i>	Vancouver	1889	Hopewell Cape, N.B.	47 5	9 5	4 4	15	8	6 sc.	Abermthy & Longhead, Ltd., Port Haney, B.C.
124669	<i>Donisa</i>	Quebec	1905	Portneuf, Que.	35 8	11 8	6 4	34	26	16 sc.	La Cie Generale d'Entrepreneur Publiques, Lévis, Que.
131107	<i>Donna S.</i>	Montreal	1912	Sorel, Que.	34 0	13 6	6 4	23	7	16 sc.	The Caters Rapids Manufacturing & Power Co., Montreal, Que.
130708	<i>Donnan</i>	Vancouver	1911	Steveston, B.C.	33 4	9 0	4 0	10	7	3 sc.	John Choy and Ling Hop, J.O., Sidney, B.C.
126068	<i>Derry</i>	Charlottetown	1909	Canoe Cove, P.E.I.	38 4	9 2	2 9	6	5	2 sc.	John T. Inman, Canoe Cove, P.E.I.

SESSIONAL PAPER No. 22

No.	Name	Builder	Tonnage	Length	Breadth	Depth	Speed	Engine	Agent
107422	Derry Carme	Brookville	15 5	4 5	2 8	3	2	1 sc.	W. D. Morris, Ottawa, Ont.
126554	Des Brisay	Vancouver	43 2	13 2	5 2	33	23	7 sc.	Genco Bay Lumber Co., Ltd., Victoria, B.C.
133953	Deschailons	Sorel, Que.	98 0	22 5	9 0	214	76	48 sc.	The Minister of Marine and Fisheries, Ottawa, Can.
496886	Despatch	New Westminster	54 0	10 8	4 5	37	23	2 pa.	Columbia & Kootenay Steam Nav. Co., Ltd., Nelson, B.C.
103297	Dever	Seattle, Wash., U.S.A.	33 6	9 0	4 5	5	1	1 sc.	The Alberta & B. C. Exploration Co., Ltd., London, Eng.
130910	Dezert	Vancouver	40 0	12 5	5 2	23	15	1 sc.	Peter Wallace, Vancouver, B.C.
100695	Diamond	Farsboro	43 3	12 4	5 6	23	15	10 sc.	The Nova Scotia Shipping Co., Ltd., Halifax, N.S.
77607	³ Dianthus	Liverpool	58 0	15 8	7 0	49	33	8 pa.	N. Ingram Countway, et al., Chester Basin, N.S.
122254	Dick	Quebec	71 4	18 0	4 4	42	27	8 pa.	Price Bros. & Co., Ltd., Quebec, Que.
134367	Dick T.	Quebec	64 0	15 2	6 3	44	20	10 sc.	Canadian Bank of Commerce H. O., 23 King St. W., Toronto, Ont.
103920	Dickson	Peterborough	25 6	10 0	3 3	16	14	20 pa.	The French River Boom Co., Ltd., Midland, Ont.
133867	Diggs	Victoria, B.C.	69 3	14 2	6 7	64	40	18 sc.	Clarence N. Marpole, Vancouver, B.C.
137946	⁴ Ding Moor	Vancouver	38 5	10 6	4 5	26	17	2 sc.	N. S. Loughle and G. G. Abernethy, J.O., Port Haney, B.C.
137879	⁵ Dirigible	Sydney, N.S.	36 2	10 0	5 5	12	11	3/2 sc.	John McLeannan, M.O., New Campbellton, N.B.
30619	Distributor	Victoria	143 0	35 0	3 3	624	393	17 pa.	John M. Mercer, Vancouver, B.C.
59096	Diver	Quebec	72 5	25 5	8 4	86	59	22 sc.	Pierre Bégin, Quebec, Que.
138173	⁶ Dieu Revert	Vancouver	27 7	7 4	3 4	7	5	1 sc.	Reginald L. Newcomb, Prince Rupert, B.C.
133891	Doane	Port Moody, B.C.	129 6	33 9	11 8	352	291	1 sc.	Thomas Rice, Port Arthur, Texas, U.S.A.
126214	Dodger	Vancouver	30 5	8 0	3 0	5	3	39 sc.	Louis Anderson, Vancouver, B.C.
122517	Dola	Vancouver	42 3	7 4	2 9	5	3	8 sc.	J. W. Church, Ganaoquo, Ont.
100664	Dolce	Kingston, Ont.	178 6	31 9	15 3	761	323	116 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
139337	Dollard O.	Ottawa	24 0	7 0	3 0	3	1	8 sc.	A. J. McPherson, Dauphin, Man.
107219	Dolly	Winnipeg	35 5	7 0	3 0	5	3	1 sc.	William Howard, Baysville, Ont.
111928	Dolly Gray	Toronto	34 2	9 4	3 9	7	7	1 sc.	Frank Andrew, New Glasgow, P.E.I.
116304	Dolphin	Charlottetown, P.E.I.	74 4	18 5	8 1	70	37	32 sc.	Ottawa Transportation Co., Ltd., Ottawa, Ont.
80680	Dolphin	Owen Sound	49 0	12 5	5 1	24	17	33 sc.	Jas. Playfair and D. L. White, Jr., J.O., Midland, Ont.
107596	Dolphin	Toronto	50 0	10 0	4 3	13	9	4 sc.	The Savannah Lumber Co., Ltd., Penetanguishene, Ont.
92441	Dolphin	Toronto	24 0	4 8	2 7	2	1	1 sc.	George M. Henry, Gregory, Muskoka, Ont.
111929	Dolphin	Vancouver	47 4	11 0	5 8	20	14	0 sc.	Pacific Construction Company, Limited, Vancouver, B.C.
111922	Dolphin E.	Toronto	36 0	6 8	2 8	6	4	— sc.	Miss Minnie McVicar, Paris, Ont.
134415	Don	Vancouver	28 0	8 5	3 3	6	4	1 sc.	Vancouver Croosking Company, Limited, 1308 Standard Bank Bldg., Vancouver, B.C.
116414	Doninion	Victoria, B.C.	57 5	11 8	4 4	18	10	6 sc.	William E. Gardner, Victoria, B.C.
131108	⁷ Doninion Park No. 1	Montreal	25 5	5 3	2 5	2	2	2 sc.	Adelard A. Cherrier, Montreal, Que.
159043	⁸ Doninion Tender	Port Hawkesbury	55 0	13 0	7 0	40	31	2 sc.	Doninion Fisheries, Ltd., Halifax, N.S.
107108	Don	Victoria	27 8	7 8	3 5	4	3	1 sc.	John T. Braden, Victoria, B.C.
117388	Don	Victoria	38 2	8 2	3 9	12	6	2 sc.	Robert W. Buller, Victoria, B.C.
130844	Don O	Vancouver	33 8	8 6	3 7	10	7	13 sc.	John Todd, Vancouver, B.C.
120147	Don de Dieu	Sorel, Que.	31 0	6 8	2 2	3	2	1 sc.	Pierre Beaudemin, Sorel, Que.
111965	Donald H.	Pictou, Ont.	36 0	8 7	3 2	10	7	3 sc.	John Thompson, South Bay, Ont.
133947	Donald H. McDonald	Ottawa	43 6	12 3	4 8	31	17	5 pa.	McLaughlin Bros., Ltd., Armprior, Ont.
134452	Donald Mac	Toronto	71 0	17 0	8 1	70	47	13 sc.	Charles F. J. C. Morgan, Port Stanley, Ont.
137904	Donald Patrick Rus- sell	Toronto	40 5	11 0	5 0	16	5	8 sc.	Abrils Power & Paper Co., Ltd., Montreal, Que.
131034	Doncella	Vancouver	70 8	12 8	3 1	27	18	4 sc.	Corporation of the District of West Vancouver, West Van- couver, B.C.
131035	Donna Isabel	Vancouver	49 5	11 0	5 0	17	12	3 sc.	Western Packers, Ltd., Vancouver, B.C.
91988	Donnelly	Toronto	142 0	24 7	8 8	319	90	40 pa.	The Donnelly Salvage & Wrecking Co., Ltd., Kingston, Ont.
96710	Dora	Charlottetown, N.B.	61 6	13 0	5 5	48	41	30 sc.	The Minister of Public Works, Ottawa, Ont.
133989	Dora M.	Brookville	50 0	11 0	4 0	24	3	2 pa.	Andrew McLean and George McLean, J.O., Tabusintae, N.B.
111761	Doreas	Brookville	31 2	5 6	3 0	2	1	3 sc.	Dr. W. F. Jackson, Brookville, Ont.
131219	Doré	Sydney, N.S.	20 1	5 2	2 4	2	1	3 sc.	Alfred J. Holliver, Sydney, N.S.
110293	Doric	Toronto	260 0	43 2	25 2	2,399	1,452	106 sc.	Canada Steamship Lines, Limited, Montreal, Que.

¹Formerly "Tadoussac."

²Formerly "Eurydice" and "Hastings."

³Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels, in Italics—Les noms des vapeurs à moteurs sont en Italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
135692	Dorris J. Lyons.	Barrington Passage.	1917	Port Latour, N.S.	47.4	13.3	5.8	23	21	1 sc.	D. M. Lyons and S. G. Crowell, Barrington Passage, N.S.
138677	Doroth Katon	Prince Rupert.	1916	Prince Rupert, B.C.	1.2	12.8	6.0	17	11	2 sc.	T. A. Kelly, Logging and Lumber Co., Ltd., Vancouver, B.C.
111562	Dorothee	Toronto	1900	Penetanguishene, Ont.	33.0	8.4	3.3	8	6	6 sc.	W. F. Thomson, Rose Point, Ont.
139288	Dorothea D.	St. Catharines.	1914	Stromness, Ont.	57.9	1.4	7.0	45	31	1 sc.	Arthur L. Doughter, Stromness, Ont., and Merrill Jenkinson, Dunnville, Ont., J.O.
117110	Dorothy	Ottawa.	1903	Cashe Bay, Ont.	48.0	4.0	3.0	12	8	6 sc.	R. Booth, R. W. Gordon and G. Gordon, J.O., Pembroke, Ont.
122016	Dorothy	Ottawa.	1906	North Bay, Ont.	35.6	10.2	3.6	5	3	3 sc.	Jno. M. and Herbert Wallace, J.O., Cobalt, Ont.
122370	Dorothy	Vancouver	1907	Vancouver, B.C.	31.8	8.6	4.1	10	7	1 sc.	Duncan Bell-Irving, Vancouver, B.C.
111980	Dorothy	Victoria	1902	Vancouver, B.C.	42.5	10.2	4.8	20	13	9 sc.	Wm. E. Gardner, Victoria, B.C.
138741	Dorothy Earl	Yarmouth	1918	Yarmouth, N.S.	69.9	17.2	7.0	39	37	2 sc.	The Yarmouth Fishing Co., Ltd., Yarmouth, N.S.
126771	Dorothy F.	Richibucto.	1910	Richibucto, N.B.	32.6	10.4	5.0	14	12	5 sc.	James A. Mills, Hardwick, N.B.
138084	Dorothy F. Nickerson	Barrington Passage.	1917	Woods Harbour, N.S.	36.0	9.4	5.0	10	10	3 sc.	Roy L. Nickerson, Woods Harbour, N.S.
128753	Dorothy G. Snow	Halifax	1911	Scholarac, N.S.	98.0	23.0	9.8	98	98	3 sc.	The Schooner "Romaine" Ltd., Montreal, Que.
116878	Dorothy J.	St. Catharines	1907	Dunnville, Ont.	34.0	10.0	4.5	10	7	3 sc.	John F. Crawford and Saunders Hoover, Tp. Dunn, Haldimand, Ont.
137997	Dorothy M. B.	Arichat.	1915	Poirierville, N.S.	32.0	10.4	5.7	12	12	1 sc.	Martin Baccardax, Poirierville, N.S.
139284	Dorothy May	St. Catharines	1912	Port Dalhousie, Ont.	55.1	15.0	9.1	55	29	19 sc.	William Hand, Port Dalhousie, Ont.
122497	Dorothy N.	Chatham, N.B.	1907	Newcastle, N.B.	69.0	17.8	5.3	46	29	12 sc.	The Newcastle Steamboat Co., Ltd., Newcastle, N.B.
133855	Dorad.	Montreal	1912	Kingston, Ont.	60.5	13.8	4.0	26	18	3 sc.	Royal St. Lawrence Yacht Club, Dorval, Que.
134414	Dorcas	Vancouver	1910	Nanaimo, B.C.	26.1	8.0	3.5	8	3	3 sc.	William Cruickshank, Nanaimo, B.C.
130375	Dorcas	Peterboro	1907	Lindsay, Ont.	24.8	5.8	2.4	3	2	3 sc.	C. B. Runtley, Peterborough, Ont.
109219	Dorcas	Ottawa	1888	Carleton Place, Ont.	25.4	5.2	2.1	1	1	3 sc.	Mrs. Jeannie F. Ferguson, North Bay, Ont.
130237	Douglas H.	Victoria	1912	Renfrew, G.B.	214.0	25.0	14.7	741	459	160 sc.	John J. Alexander, Mazatlan, Mexico.
101291	Douglas H. Thomas	Port Stanley	1881	Port Stanley, Ont.	73.2	16.9	7.3	54	37	11 sc.	Rudolph H. Long, Port Stanley, Ont.
132081	Douglas M.	Sudbey, N.S.	1892	Maryland, U.S.A.	116.5	21.0	13.0	212	98	57 sc.	The Dominion Coal Co., Ltd., Montreal, Que.
126092	Douglas M.	Toronto	1917	Loring, Ont.	41.0	10.3	3.7	13	9	1 sc.	James Laislate, Parry Sound, Ont.
130841	Dragonair	Victoria	1896	Buffalo, N.Y., U.S.A.	71.4	17.0	6.2	58	39	14 sc.	Donald B. McAnlay, Southampton, Ont.
130614	Dragonfly	Victoria	1911	Victoria, B.C.	31.2	8.5	4.5	10	5	1 sc.	Mrs. George Watson, Victoria, B.C.
131643	Dreadful	Vancouver	1912	Bay City, Mich., U.S.A.	39.4	10.6	5.0	15	9	2 1/2 sc.	Stanislas Vassilim, Vancouver, B.C.
83245	Dream	Ottawa	1886	South Shields, G.B.	118.5	25.2	13.8	253	92	74 sc.	The Minister of Western Lumber Co., Ltd., Fraser Mills, B.C.
82356	Dream	St. John, N.B.	1881	Kingston, Ont.	50.6	10.0	4.2	12	9	10 sc.	The Minister of Customs, Ottawa, Ont.
138351	Drouse.	St. John, N.B.	1916	Newark, N.J., U.S.A.	63.9	14.1	5.0	45	30	12 sc.	F. S. Heuns, St. John, N.B.
138617	Druc.	Chatham, N.B.	1915	Boston, U.S.A.	32.7	6.1	2.6	4	3	1 sc.	Judson E. Hetherington, Codys, N.B.
112393	Druid	Ottawa	1902	St. Paul, Minn., U.S.A.	39.0	11.5	4.5	13	11	1 sc.	Mrs. May Druet, Chatham, N.B.
				Paisley, G.B.	160.0	30.1	12.5	503	193	59 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.

SESSIONAL PAPER No. 22

141001	Du Chene	Quebec	1918	43 0	11 7	5 7	24	15	4 se.	Alain Joly de Lothier, Que.
153996	Du Val	Chatham, N.B.	1910	53 0	13 0	3 0	28	18	3 pa.	Restigouche Log Driving & Boom Co., Campbellton, N.B.
103342	Duchess of York	Montreal	1890	106 8	25 3	9 4	490	262	39 pa.	King Edward Park Co., Ltd., Montreal, Que.
116896	Dufferin	Halifax	1905	158 0	25 0	8 6	211	92	42 se.	Charles A. Murdoch, et al., Sherbrooke, N.S.
111442	Dundas	Ottawa	1899	30 5	6 9	3 6	2	1	4 se.	P. Waters, Hull, Que.
126199	E. A. Shores, jr.	Windsor, Ont.	1892	162 0	34 0	11 0	553	310	69 se.	John G. Mullen, Amherstburg, Ont.
125977	E. B. Osler	London	1908	491 3	56 0	26 5	6,787	4,361	203 se.	Canada Steamship Lines, Limited, Montreal, Que.
126643	E. C. Osgel	Port Dover	1874	53 0	13 0	7 5	17	3 se.	Carl Williams, Port Burwell, Ont.	
103822	E. E. Frost	Cornwall	1885	38 0	11 4	5 0	13	9	4 se.	Joseph J. Fallon, et al., J.O., Cornwall, Ont.
130970	E. E. Lowe	Sydney, N.S.	1912	42 9	10 0	7 2	16	15	1 se.	Clarence A. Lowe, Sydney, N.S.
96705	E. G. Laverdure	Ottawa	1889	66 6	13 7	5 0	51	49	1 se.	E. A. D. Morgan, Montreal, Que.
137963	E. L. Archaque No. 1	Montreal	1914	21 7	5 2	1 9	1	1	1 se.	Eucledé L. Archaque, Montreal, Que.
137964	E. L. Archaque No. 2	Montreal	1914	20 0	5 1	1 8	1	1	1 se.	Eucledé L. Archaque, Montreal, Que.
130857	E. L. Comarath	Archat	1910	42 0	12 5	6 6	20	19	3 se.	Alexander A. Rondrot, Petit de Grat, N.S.
134467	E. Miscar	Halifax	1916	46 2	13 5	7 0	23	23	3 se.	Nathan G. Misner, M. O., Liscomb, N.S.
100883	E. Ross	St. John, N.B.	1884	41 9	15 3	5 1	20	7	3 se.	James Leonard, St. John, N.B.
116895	Eagle	Kenora	1905	32 0	9 6	4 0	12	8	3 se.	Dominion Fish Co., Ltd., Winnipeg, Man.
107684	Eagle	Toronto	1898	34 5	8 3	3 5	10	7	8 se.	James Moreau, Port Severn, Ont.
111549	Eagle	Vancouver	1901	48 5	14 5	6 0	35	7	11 se.	James F. Malkin, Vancouver, B.C.
111454	Eagle	Winnipeg	1900	32 0	10 5	3 6	24	11	8 se.	Nelson River Packing Co., Ltd., Selkirk, Man.
94906	Earl	New Westminster	1890	72 0	16 0	7 0	75	50	21 se.	The Victoria Transportation Co., Ltd., Victoria, B.C.
137892	Earl Bess	Toronto	1880	81 0	20 0	10 2	118	65	30 se.	James A. Henning, Port Burwell, Ont.
130239	East Side	Toronto	1912	76 6	16 6	6 4	36	31	193 se.	Clare Thorn, et al., J.O., Port Stanley, Ont.
131202	Eastern Passage	Liverpool	1913	65 5	14 0	6 9	36	17	10 se.	Nova Scotia Construction Co., Ltd., Sydney, N.S.
134071	Eastholm	Vancouver	1913	93 0	24 3	6 8	197	118	16 se.	Frank Waterhouse & Company of Canada, Ltd., Vancouver, B.C.
122334	Eau Claire	Vancouver	1906	32 0	8 7	3 0	8	5	7 se.	William S. Dives, Vancouver, B.C.
137926	Ebessa	Chatham, N.B.	1915	62 4	16 3	7 0	63	16	16 se.	Charles Reinsborough, Chatham, N.B.
126546	Ebros	Vancouver	1908	38 4	5 3	2 9	4	3	1 se.	William F. Silver, Vancouver, B.C.
122536	Echo	Vancouver	1902	31 5	9 3	3 6	12	8	1 se.	James S. Emerson, Vancouver, B.C.
134090	Echo II	Vancouver	1914	43 5	11 5	5 0	21	14	2 se.	Arthur C. Little, Port Moody, B.C.
138221	Edamena	Montreal	1910	75 3	14 0	9 7	51	37	8 se.	Frederick W. Molson, 906 Notre Dame St. E., Montreal, Que.
116253	Eddie B.	Toronto	1902	29 6	10 0	2 9	9	6	1 se.	David Baker, Midland, Ont.
96815	Edgar P. Sawyer	Sault Ste. Marie	1886	49 0	13 8	5 0	52	41	1 se.	W. J. McMenemy, Bruce Mines, Ont.
103933	Edith	Chatham, N.B.	1897	56 0	13 6	5 9	22	15	13 se.	Thomas Charlston, Ottawa, Ont.
122511	Edith	Vancouver	1907	56 9	14 6	6 8	47	32	13 se.	Alexander H. Douglas, Vancouver, B.C.
103901	Edith C.	Barrington Passage	1896	67 0	14 0	5 5	42	26	9 se.	The B. C. Canning Co., Ltd., London, Eng.
121908	Edith H.	Halifax	1907	39 0	13 4	6 3	16	15	4 se.	Pagogo Wilcox, Grand Manan, N.B.
138446	Edith M. Green	Halifax	1915	111 0	28 7	10 7	225	187	48 se.	Alfred G. Heiler and John H. Kelly, Halifax, N.S.
134461	Edith M. Green	Halifax	1917	75 0	21 8	7 7	85	58	1 se.	Edith M. Green, Co., Ltd., Halifax, N.S.
107368	Edna	Weymouth	1898	64 0	11 5	5 0	57	30	3 se.	Mrs. Carrie E. Pratt, Parry Sound, Ont.
134601	Edna F.	Toronto	1913	48 5	10 0	5 0	21	15	2 se.	George Moore, M. O., St. James, Man.
134578	Edna F.	Winnipeg	1914	33 0	9 8	5 0	11	8	1 se.	Edward J. Falk, New Westminster, B.C.
111789	Edna Grace	New Westminster	1903	58 0	13 5	6 7	42	22	8 se.	Wm. E. Gardner, Victoria, B.C.
107135	Edna Ivan	Goderich	1900	79 2	16 0	7 2	54	36	21 se.	Wm. J. Keen and Jos. Millman, J. O., Meldrum Bay, Ont.
116873	Edna K.	St. Catharines	1903	48 0	12 3	4 5	22	15	2 se.	Joseph H. Aldridge, Theford, Ont. and N. S. Cornell, Pt. Stanley, Ont.
133878	Edna M.	Vancouver	1903	29 0	9 0	3 0	9	6	3 se.	Judson E. Palmer, Vancouver, B.C.
100321	Edna R.	Yarmouth	1892	67 0	15 6	6 0	50	24	10 se.	The Mud Island Lobster Co., Ltd., Yarmouth, N.S.
112249	Edna W.	Vancouver	1903	40 0	9 1	4 9	15	10	3 se.	Packers' Steamship Co., Ltd., Vancouver, B.C.
134230	Edouard G.	Montreal	1914	69 5	16 0	7 5	32	24	3 se.	Gulf Pulp and Paper Co., Clark City, Que.
126923	Edward Alfred	Quebec	1910	85 0	21 0	7 5	139	92	32 se.	La Compagnie Générale du Port de Châteauguay, Châteauguay, Que.
85426	Edward Blake	St. Catharines	1884	76 0	12 2	4 9	22	15	19 se.	William Birmingham, Ottawa, Ont.
134013	Edward C. Whalen	Port Arthur, Ont.	1913	48 0	19 1	10 0	115	77	35 se.	Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
131182	Ed. Conroy	Peterborough	1913	36 4	9 8	4 4	11	7	1 se.	Edward Conroy, Peterborough, Ont.

1 Formerly "Horsa." 2 Foreign name "Alert." 3 Formerly a sailing vessel. 4 Foreign name "Millie K II".

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italique s.

Official No. / N ^o officiel	Name of Ship. / Nom du navire.	Port of Registry. / Port d'enregistrement.	Built. / Cons-truit en	Where Built. / Lieu de construction.	Length in feet and 10ths. / Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. / Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. / Profondeur en pieds et 10 ^{es} .	Gross Tonnage. / Tonnage brut.	Registered Tonnage. / Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. / Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. / Armateur ou propriétaire gérant, et adresse.
116389	Edward Fisk.....	Port Arthur.....	1883	Buffalo, N.Y., U.S.A.....	70 0	16 0	9 0	73	50	28 sc....	Thunder Bay Contracting Co., Ltd., Port Arthur, Ont.
130293	Edward Long.....	Ottawa.....	1909	Port Arthur, Ont.....	42 0	7 0	2 3	9	6	1/2 sc....	John A. Long, Ottawa, Ont.
134552	Edward S.....	Port Burwell.....	1905	Ottawa, Ont.....	62 6	16 4	7 4	52	36	13 sc....	Edwin Simale, M.O., Malahide, Ont.
138021	Edwin Price.....	Kenora.....	1914	Port Stanley, Ont.....	34 0	9 5	5 0	14	9	2 sc....	Shelvin Clarke Company, Limited, Port Frances, Ont.
134124	Egret Plume.....	New Westminster.....	1912	Siitcoo, Ont.....	50 0	11 3	4 7	23	16	2 sc....	The Minister of Marine and Fisheries, Ottawa, Ont.
103213	Eileen.....	Ottawa.....	1883	Moose Creek, Ont.....	41 8	9 8	5 2	11	9	15 sc....	Mrs. Stella Ann Kelly, Montreal, Que.
121730	Eileen G.....	Vancouver.....	1904	Vancouver, B.C.....	23 1	9 0	4 4	8	7	3 sc....	Thomas Halliday, Vancouver, B.C.
126423	Eileen T.....	Toronto.....	1908	Vancouver, B.C.....	26 0	7 5	3 3	6	4	1 sc....	Consolidated Optical Co., Ltd., Toronto, Ont.
134448	Eileen T.....	Toronto.....	1913	Toronto, Ont.....	32 0	8 8	4 2	8	7	1 sc....	Roger Miller & Sons, Ltd., Toronto, Ont.
111156	Elaine.....	St. John, N.B.....	1888	Toronto, Ont.....	112 7	23 8	7 8	272	155	31 sc....	The Marine Steamship Co., Ltd., Halifax, N.S.
126084	Elaine.....	Vancouver.....	1908	Vancouver, B.C.....	31 7	8 3	4 0	10	7	1 sc....	William H. R. Collister, Vancouver, B.C.
136707	Elao.....	Vancouver.....	1911	Castlegar, B.C.....	84 8	16 5	5 9	55	30	20 sc....	The Edgewood Lumber Co., Ltd., Castlegar, B.C.
122445	Eldred.....	St. John, N.B.....	1907	The Range, N.B.....	51 4	12 6	5 4	25	17	13 sc....	The Ahearnur Tug Boat Co., Ltd., St. John, N.B.
97017	Eleanor.....	St. Catharines.....	1885	Port Mainland, Ont.....	56 0	12 0	5 8	26	18	2 sc....	S. P. Ahearnur and Wm. J. Howe, Port Dalhousie, Ont.
126856	Eleanor Mc. H.....	Victoria.....	1911	Victoria, B.C.....	37 0	10 6	6 0	13	10	2 sc....	John Wynne, Prince Rupert, B.C.
134563	Eleanor No. H.....	New Westminster.....	1905	Vancouver, B.C.....	36 0	9 0	4 0	15	9	2 sc....	Alfred Nelson, Whonook, B.C.
138151	Eleanor W.....	Vancouver.....	1910	North Vancouver, B.C.....	35 0	8 6	3 4	13	9	1 sc....	John J. Woods, North Vancouver, B.C.
121712	Electra.....	Vancouver.....	1905	Vancouver, B.C.....	36 6	7 4	3 5	12	8	1 sc....	Edwin J. Gough, et al., Nanaimo, B.C.
100877	Electric.....	St. John, N.B.....	1889	St. John, N.B.....	34 0	6 8	3 0	4	3	2 sc....	Frank B. Carvell, Woodstock, N.B.
92449	Electric.....	Toronto.....	1887	Toronto, Ont.....	69 9	12 4	7 2	49	29	5 sc....	The Gidley Boat Co., Ltd., Penetanguishene, Ont.
131220	Electronic.....	Sydney, N.S.....	1913	Portland, Me., U.S.A.....	102 6	23 5	9 2	278	189	40 1/2 sc....	Cape Breton Electric Co., Ltd., Sydney, N.S.
134153	Eleen.....	St. John, N.B.....	1911	St. John, N.B.....	27 9	9 2	3 0	6	6	1 sc....	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
121957	Elgin E.....	Port Stanley.....	1908	Collingwood, Ont.....	75 0	16 0	8 2	66	45	20 sc....	Clare Thorn, M.O., Port Stanley, Ont.
116752	Elgin L. Lewis.....	Toronto.....	1904	Orillia, Ont.....	70 0	12 3	5 0	50	30	6 sc....	The Lake Nipissing Shipping & Transportation Co., Ltd., Toronto, Ont.
131028	Elgomar.....	Vancouver.....	1912	Vancouver, B.C.....	38 0	10 4	4 5	18	9	1 1/2 sc....	Herbert M. Burritt, Vancouver, B.C.
134166	Elmor S.....	Yarmouth.....	1917	Yarmouth, N.S.....	68 4	17 2	6 9	34	37	2 sc....	The Yarmouth Fishing Co., Ltd., Yarmouth, N.S.
96880	Eliue.....	Goderich.....	1894	Goderich, Ont.....	60 0	15 3	5 9	36	24	6 sc....	F. T. James Co., Ltd., Toronto, Ont.
116821	Eliza Gorham.....	Barrington Passage.....	1904	Port Clyde, N.S.....	83 3	22 6	8 2	79	77	1 1/2 sc....	Charles A. Goreham, M.O., Woods Harbour, N.S.
134209	Eliza T.....	Charlottetown.....	1918	Port Elgin, N.B.....	42 0	11 2	4 2	16	14	3/4 sc....	Mansel Trenholm, Port Elgin, N.B.
111994	Elik.....	Vancouver.....	1902	Vancouver, B.C.....	26 2	6 4	3 1	3	2	1 sc....	Wm. Rae, et al., Vancouver, B.C.
107843	Ella.....	Port Rowan.....	1893	St. Williams, Ont.....	49 2	12 0	4 5	15	10	13 sc....	J. A. Dease and F. H. Pearsall, Port Rowan, Ont.

SESSIONAL PAPER No. 22

11492	121954	134530	130568	128535	130285	133843	121989	130450	116853	107090	126559	122505	122071	110702	100802	130690	122550	134265	134591	96897	131079	131149	134059	126433	103749	96900	131050	138486	117083	134458	121716	107260	111444	100430	130839	130264	121992	116543	130845	120654	134631	116309	73086	100422	107815																																																														
Ella	Ella C.	Ella Devaux	Ella M. Young	Ella Mary	Ella V.	Ellison	Ellwood	Elmarsh	Elmore T. Bonney	Elscott	Eloise	Eloise	Eloise	Eloise	Eloise	Elsie C.	Elsie M.	Elsie Mac	Elsie McDonald	Elsie Ross	Elsie S.	Elsie T.	Elsie M. Y.	Embree	Emerald	Emile	Emilia	Emilia G.	Emily May	Emily Stewart	Emilie	Emma	Emma	Emma C.	Emma E.	Emma G.	Emma H.	Emma J.	Emma Mac	Emmah	Emperor	Empire Gamery	Empress	Empress	Empress																																																														
Quebec	Port Stanley	Sydney, N. S.	Lanenburg	Toronto	St. Catharines	Vancouver	Victoria	Vancouver	Port Medway	Prescott	Vancouver	Vancouver	Pictou, N. S.	Toronto	Vancouver	Victoria	Lanenburg	Collingwood	Midland	Paspobiac	Ottawa	Lanenburg	Vancouver	Lanenburg	Vancouver	Digby	Ottawa	Sorel	New Westminster	Collingwood	Toronto	Vancouver	New Westminster	Ottawa	Ottawa	Ottawa	Ottawa	Ottawa	Montreal	Ottawa	Midland	Victoria	Charlottetown	Montreal	Ottawa	Peterborough	Lakefield, Ont.																																																												
1906	1906	1917	1910	1910	1913	1913	1907	1911	1914	1881	1909	1907	1882	1906	1905	1908	1910	1908	1914	1915	1889	1912	1912	1914	1909	1886	1892	1889	1917	1906	1914	1900	1883	1897	1890	1909	1900	1906	1903	1910	1912	1910	1906	1873	1886	1891	1899																																																												
Quebec, Que.	Dresden, Ont.	Little Bras D'Or, N.S.	Tancook, N.S.	Toronto, Ont.	Stromness, Ont.	Vancouver, B.C.	Victoria, B.C.	Vancouver, B.C.	Lanenburg, B.C.	Adhens, N. Y., U.S.A.	Vancouver, B.C.	Vancouver, B.C.	New Glasgow, N.S.	Trenton, Ont.	Vancouver, B.C.	Vancouver, B.C.	Tancook, N.S.	Collingwood, Ont.	Midland, Ont.	Cross Point, Que.	Carleton Place, Ont.	Tancook, N.S.	Vancouver, B.C.	Tancook, N.S.	Port Hawkesbury, N.S.	LaHave, N.S.	Ottawa, Ont.	Sorel, Que.	Port Guelchon, B.C.	Collingwood, Ont.	Toronto, Ont.	San Francisco, Cal., U.S.A.	Lake Bennett, B.C.	Ottawa, Ont.	Ottawa, Ont.	The Pas, Man.	Conlonge River, Que.	Mahone Bay, N.S.	Farran's Point, Ont.	Kippewa, Que.	Vancouver, B.C.	Collingwood, Ont.	Vancouver, B.C.	Newcastle-on-Fyne, G.B.	Ottawa, Ont.	Montreal, Que.	Sturgeon Falls, Ont.	Lakefield, Ont.																																																											
22 2	37 0	36 5	44 2	66 0	59 5	56 5	25 6	25 0	46 2	37 6	31 6	32 0	50 2	50 2	47 5	40 2	63 5	51 5	56 4	34 6	40 0	30 8	41 4	31 5	58 0	50 0	79 1	41 0	59 0	71 0	25 0	16 0	54 0	24 4	41 0	33 0	73 0	78 8	44 0	62 5	55 0	235 0	185 3	63 0	93 0																																																														
2 5	3 9	6 4	6 0	11 7	14 9	14 8	3 0	4 2	9 0	5 6	4 4	5 6	12 0	4 8	12 0	9 8	12 7	15 0	22 1	7 5	10 0	5 2	3 5	10 2	10 0	17 3	5 2	17 0	11 2	19 6	6 7	16 0	3 0	7 2	5 1	10 0	12 0	14 8	18 0	11 0	14 2	34 2	27 6	14 3	15 8																																																														
5	9	14	15	25	42	49	7	5	3	4	8	12	33	22	23	11	38	55	33	10	11	6	12	9	31	82	12	89	31	30	104	6	32	2	1	19	21	48	56	36	17	4	34	23	612	372	28	81																																																											
2 sc.	1/2 sc.	1/2 sc.	1/2 sc.	9 sc.	4 sc.	13 sc.	1/2 sc.	1/2 sc.	1 sc.	1 sc.	1/2 sc.	1/2 sc.	10 sc.	2 sc.	1 sc.	1/2 sc.	8 sc.	16 sc.	5 pa.	18 sc.	1/2 sc.	1 sc.	1/2 sc.	15 sc.	3/4 sc.	20 sc.	25 sc.	1 sc.	9 sc.	40 sc.	10 sc.	1/2 sc.	3 pa.	3 sc.	3 sc.	3 sc.	2 pa.	7 sc.	20 sc.	2 sc.	4 sc.	1/2 sc.	152 pa.	40 sc.	— sc.																																																														
Pierre A. Guay, Chicoutimi, Que. The Minister of Public Works for the Province of Ontario, Toronto, Ont.	Albert G. Devaux, Alder Point, Little Bras D'Or, N.S. Maynard Young, Dover, N.S. Charles J. Gibson, Toronto, Ont. John Mossip, Port Matland, Ont., and George Gorrell, Stromness, Ont., J.O.	Walken-Towboat Co., Ltd., Vancouver, B.C. Albert O. Ruscoe, Victoria, B.C. Lawrence A. Genge, Vancouver, B.C. William McMillan, Lockport, N.S. Simson Salinon, Morrisburg, Ont. Warnett E. Danner, Vancouver, B.C. Bernina A. Smith, Vancouver, B.C. Nevada Scotia Lumber Co., Ltd., Sherbrooke, N.S. Clark, Ltd., Toronto, Ont.	Alfred Bradford, Victoria, B.C., and William Robinson, Vancouver, B.C. William Cross, Tancook, N.S. Donald McInnes, Mesford, Ont.	The French River Boom Co., Ltd., Toronto, Ont. John Quinn, Campbellton, N.B. David Gillies, Carleton Place, Ont. Obed C'ountway and Sibley Corkum, Chester Basin, N.S. John Taylor, Vancouver, B.C. Joseph Smith, Saubro, N.S. The Minister of Lands for the Province of British Columbia, Victoria, B.C.	Willard H. Anderson, Parkers Cove, N.S. L. E. Dufresne, et al., J.O., Three Rivers, Que. The Minister of Marine and Fisheries, Ottawa, Ont. V. Martinieli, M.O. Port Guelchon, B.C. David Malcolm, Collingwood, Ont. Miller Lash and Glyn Osler, J.O., Toronto, Ont. Horace E. Sims, Vancouver, B.C.	Wm. J. Rant, Lake Bennett, B.C. W. O. Spearman, Ottawa, Ont. L. J. Coursolles, Ottawa, Ont. Herman Finger, Port Arthur, Ont. Gillman & Hughson, Ltd., Ottawa, Ont. Disance Packing Co., Ltd., Vancouver, B.C. The Simons-McNaughton Line, Ltd., Montreal, Que. John Lumsden, Ottawa, Ont. Mrs. Richard Wm. Holland, Vancouver, B.C. Canada Steamship Lines Limited, Montreal, Que. Charles F. Todd, Victoria, B.C. Canadian Pacific Railway Company, Montreal, Que. The Central Railway Co. of Canada, Montreal, Que.	The French River & Nipissing Nav. Co., Ltd., Sturgeon Falls, Ont. Treat Valley Navigation Co., Robcaygeon, Ont.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

1Formerly "Selma" and "Shelby," and a sailing vessel. 2Formerly a sailing vessel. 3Formerly "D. S. Walker," 4Formerly "Peerless."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Ubréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construction.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
10748	Empress.....	Vancouver.....	1897	Hong-Kong.....	27 6	7 6	3 6	7	5	21 sc.....	O. P. Marshall, Vancouver, B.C.
78009	Empress.....	Winnipeg.....	1883	Kenora, Ont.....	95 4	20 0	7 0	129	73	150 sc.....	The Ice Portage Lumber Co., Ltd., St. Boniface, Man.
135226	Empress of Asia ©	Vancouver.....	1913	Govan, G. B.....	570 1	68 2	26 3	16,909	8,883	22,500 sc.....	Canadian Pacific Railway Company, Montreal, Que.
48911	Empress of Russia ©	Vancouver.....	1891	Barrow in Furness G. B.....	455 6	51 2	17 1	15,910	3,062	2,000 sc.....	Canadian Pacific Railway Co., Montreal, Que.
135197	Empress of Russia ©	Vancouver.....	1913	Govan, G. B.....	570 2	68 2	26 3	16,810	8,789	22,500 sc.....	Canadian Pacific Railway Company, Montreal, Que.
133925	<i>En Avant</i>	Chatham, N.B.....	1913	Lameck, N.B.....	35 0	10 4	4 8	13	11	1 sc.....	Andre Ache, Lameck, N.B.
121748	<i>Era</i>	Vancouver.....	1906	Vancouver, B.C.....	22 6	6 4	2 7	2	2	1 sc.....	William H. R. Collister, Vancouver, B.C.
122235	<i>Era A</i>	Port Medway.....	1907	Clarke's Harbour, N.S.....	33 5	12 0	6 0	12	12	3 sc.....	Walker S. Leaman, Port Medway, N.S.
122010	<i>Era T</i>	Lunenburg.....	1907	Tanook, N.S.....	42 9	12 4	6 6	17	16	3 sc.....	Angus Feltnate, Whitehaven, N.S.
126949	<i>Endal</i>	Victoria.....	1906	Ballard, Wash., U.S.A.....	35 4	8 8	3 2	12	7	3 sc.....	William Jackson and Arthur Brockhurst, Victoria, B.C.
126326	<i>English Bay Runner</i>	Vancouver.....	1908	Vancouver, B.C.....	45 9	10 8	4 6	18	12	3 sc.....	William Simpson, Vancouver, B.C.
124322	<i>Enlala</i>	Victoria.....	1909	Vancouver, B.C.....	64 0	16 0	7 8	57	39	3 sc.....	Harbour Shipping Co., Ltd., Vancouver, B.C.
130808	<i>Enola</i>	Vancouver.....	1902	Ballard, Wash., U.S.A.....	43 4	13 2	6 2	26	11	8 sc.....	George and Eugene Jeffrey, J.O., Quebec, Que.
122460	<i>Enterprise</i>	Charlottetown.....	1907	Sheburne, N.S.....	108 0	25 0	8 6	21	98	27 sc.....	Parthar & Co., Ltd., Halifax, N.S.
146271	<i>Enterprise</i>	Halifax.....	1903	Ship Harbour, N.S.....	58 2	12 3	6 0	24	14	27 sc.....	Frank Roberts, Liverpool, Eng.
130804	<i>Epaune</i>	Vancouver.....	1911	Vancouver, B.C.....	68 0	17 0	8 0	57	44	31 sc.....	Frank L. Buckley, Point Grey, B.C.
130755	<i>Ephie L</i>	Ottawa.....	1917	Toronto, Ont.....	43 2	11 5	5 1	15	9	1 sc.....	Minister of Customs, Ottawa, Ont.
63827	<i>Epopi</i>	Paspébiac.....	1910	Paspébiac, Que.....	30 0	8 0	2 9	7	4	1 sc.....	Waller F. Hamon, Paspébiac, Que.
126417	<i>Equal Rights</i>	Toronto.....	1909	Birkendale, Ont.....	42 3	11 2	4 0	11	6	1 sc.....	Frederick W. Kemp, Franklin, Ont.
116691	<i>Era</i>	Kenora.....	1900	Resolution, N.W.T.....	53 0	11 5	5 0	50	28	6 sc.....	Jas. Hislop, Fort Rae, N.W.T., and Edmund Nagle, Resolution, N.W.T., J.O.
116831	<i>Eric</i>	Kingston.....	1902	Kingston, Ont.....	30 3	6 1	2 8	3	2	1 sc.....	F. P. Miller, Napanee, Ont.
134360	<i>Eric R</i>	Montreal.....	1914	Three Rivers, Que.....	61 7	15 4	7 5	47	22	6 sc.....	Bellefleur Towing Company, Three Rivers, Que.
116815	<i>Eric W</i>	Montreal.....	1882	Cleveland, O., U.S.A.....	221 7	35 1	17 1	1183	810	99 sc.....	Steamer "Eric W.", Ltd., Quebec, Que.
121948	<i>Eric</i>	St. Catharines.....	1905	St. Joseph, Mich., U.S.A.....	18 1	4 6	3 7	2	2	1 sc.....	Geo. Edna E. Price, St. Catharines, Ont.
117194	<i>Erin</i>	Kenora.....	1902	Fort Frances, Ont., U.S.A.....	33 0	8 0	3 3	11	9	2 sc.....	Geo. W. Brownlee, Rainy River, Ont.
121761	<i>Erin</i>	Vancouver.....	1889	Port Blakeley, U.S.A.....	92 0	20 0	10 7	135	92	32 sc.....	Municipal Ammunition Board, Ottawa, Ont.
126270	<i>Erl King</i>	Toronto.....	1909	Toronto, Ont.....	52 0	14 5	8 0	46	25	6 sc.....	John E. Russell, Toronto, Ont.
103153	<i>Ermie</i>	Vancouver.....	1893	New Westminster, B.C.....	30 3	7 8	3 2	9	6	3 sc.....	Alexander Grierson, Vancouver, B.C.
138481	<i>Ermie</i>	New Westminster.....	1914	New Westminster, B.C.....	28 0	7 6	2 6	4	3	1 sc.....	Louis Scolari, New Westminster, B.C.
126953	<i>Ermani</i>	Victoria.....	1908	Seattle, Wash., U.S.A.....	45 2	12 3	5 4	18	11	4 sc.....	John Musgrave, Victoria, B.C.
122567	<i>Ernice</i>	Peterboro.....	.....	Unknown.....	31 6	8 0	4 6	9	6	2 sc.....	John A. Aymer, Peterboro, Ont., and Frederick D. Brown, Toronto, Ont., J.O.

130898	Errand Boy	Victoria	1902	Homers Ferry, U.S.A.	13	8	9	0	3	7	12	2	sec.	Waller Wm. West, Nelson, B.C.	
121829	Erron	Montréal	1906	St. Henry, Que.	23	8	3	5	8	7	5	1	1 sec.	Whalen Pulp & Paper Mills Ltd., Vancouver, B.C.	
130451	Erron	New Westminster	1908	Harrison River, B.C.	20	5	2	3	2	7	1	3	sec.	Action Kilby & Harrison River, B.C.	
138825	Erskine B.	Lanenburg	1918	Fancock, N.S.	32	10	6	5	6	13	27	1	sec.	George Heister, Alberton, P.E.I.	
97010	Esport	St. Catharines	1894	Port Colborne, Ont.	43	15	5	9	4	40	22	24	sec.	Montreal Transportation Co., Ltd., Montréal, Que.	
129000	Escoumans	Quebec	1907	Les Escoumans, Que.	44	8	0	0	7	71	42	17	sec.	Alfred Moffatt, Les Escoumans, Que.	
112176	Espanola	Toronto	1897	Toronto, Ont.	36	0	0	0	3	7	5	1	sec.	Spanish River Paper and Pulp Co., Ltd., Toronto, Ont.	
129355	Esprit	Vancouver	1909	Vancouver, B.C.	30	8	0	3	3	7	6	5	sec.	William R. Shand, et al., J. O., Vancouver, B.C.	
112066	Estelle	Peterborough	1887	New York, N.Y., U.S.A.	31	0	3	5	8	8	6	3	sec.	Charles H. Grylls, Lakefield, Ont.	
131376	Estevan	Ottawa	1912	Collingwood, Ont.	212	0	38	0	13	3	617	174	sec.	The Minister of Marine and Fisheries, Ottawa, Ont.	
131073	Estey	Lanenburg	1912	Lanenburg, N.S.	43	8	0	8	5	10	10	7	sec.	Geo. Gates and Angus Gates, Lunenburg, N.S.	
108923	Esturion	Peterborough	1897	Bobaygeon, Ont.	94	0	0	5	3	139	85	38	pa.	George W. Hatton, Peterboro, Ont.	
85527	Estarion	Toronto	1884	Bobaygeon, Ont.	90	17	0	6	2	118	73	31	pa.	The Trent Valley Navigation Co., Bobaygeon, Ont.	
92301	Ethel	Collingwood	1887	Collingwood, Ont.	42	0	0	4	13	9	8	sec.	Jno. Lendrum, Blind River, Ont.		
103352	Ethel	Montréal	1895	Sorel, Que.	64	0	0	2	9	72	49	39	sec.	Sineames-McNaughton Line, Ltd., Montréal, Que.	
92770	Ethel Banning	Winnipeg	1890	Fort Frances, Ont.	50	13	3	4	9	38	35	3	sec.	The Rainy River Dredging Co., Ltd., Fort William, Ont.	
116737	Ethel Jean	Halifax	1904	Ship Harbour, N.S.	59	4	3	6	5	48	33	16	sec.	The Grand River Pulp & Lumber Co., Ltd., Halifax, N.S.	
130565	Etzel M. G.	Lanenburg	1909	Ship Harbour, N.S.	59	4	3	6	5	48	33	16	sec.	John Fleeming, Mortimer's Point, Ont.	
108677	Ethel May	Toronto	1897	Mortimer's Point, Ont.	46	0	3	3	13	10	1	1	sec.	Quinlan & Robertson, Ltd., Montréal, Que.	
134349	Ethel Q.	Montréal	1914	Kamloops, B.C.	71	0	4	8	8	88	45	37	sec.	Claude R. Docrat, M.O., Ashcroft, B.C.	
103898	Ethel Ross	New Westminster	1897	Kamloops, B.C.	84	0	14	0	8	52	52	15	sec.	William A. and Helen M. Wallace, J. O., Prince Rupert, B.C.	
126325	Ethelida	Prince Rupert	1908	Vancouver, B.C.	9	7	5	0	15	2	4	1	sec.	D. Lorne McGibbon, Montréal, Que.	
134353	Ethelwyn	Montréal	1918	Port Clyde, N.S., U.S.A.	25	1	4	0	2	8	2	4	sec.	John Ebermeton, et al., Shelburne, N.S.	
141052	Ethrington	Shelburne	1918	Port Clyde, N.S., U.S.A.	25	1	4	0	2	8	2	4	sec.	Brynick Limited, Vancouver, B.C.	
121755	Ethala	Vancouver	1906	Vancouver, B.C.	41	3	0	4	9	16	11	13	sec.	W. A. Clark, Collingwood, Ont.	
112334	Ethyl Reid	Collingwood	1904	Collingwood, Ont.	63	0	6	6	3	35	35	129	pa.	Ferdinand Boisvert, St. Croix, Que.	
77874	Etobio	Quebec	1879	Sorel, Que.	12	0	25	0	7	4	590	317	2	sec.	The Minister of Railways & Canals, Ottawa, Ont.
122069	Eta	Montréal	1906	Maisonsave, Que.	30	3	0	2	3	13	5	3	sec.	Albert Alman, Sydney, N.S.	
122116	Eta	Sydney, N.S.	1907	Sydney, N.S.	40	8	5	4	0	7	5	3	sec.	A. W. Fekrand and F. F. Hawes, Canso, N.S.	
137874	Eta L.	Lanenburg	1915	Fancock, N.S.	35	13	5	7	0	25	23	1	sec.	Robert J. Armstrong, et al., J. O., Vancouver, B.C.	
64154	Etta White	Vancouver	1871	Freepont, Wash., U.S.A.	93	0	9	6	9	0	11	76	20	sec.	Alexander J. Kolosoff, M.O., Eburne, B.C.
122194	Ettie	New Westminster	1905	Galiano Island, B.C.	32	0	9	4	3	9	15	8	sec.	John Lapointe, Spanish River, Ont.	
116387	Eu Jennie	Goderich	1905	Goderich, Ont.	32	12	0	5	3	22	16	5	sec.	The Minister of Lands for British Columbia, Victoria, B.C.	
134022	Eveltag	Victoria	1913	Victoria, B.C.	49	3	1	5	6	5	23	49	43	sec.	War Office, London, England.
138341	Eugene F. Moran	Halifax	1902	Philadelphia, Pa., U.S.A.	96	0	2	1	0	9	5	6	sec.	Frederick Perrin, McNabs Islands, N.S.	
111906	Eugenie	Arlivat	1901	Detroit, Mich., U.S.A.	35	0	8	0	2	1	5	1	sec.	The Minister of Lands for British Columbia, Victoria, B.C.	
133772	Eugene B.	Victoria	1913	Victoria, B.C.	33	0	6	4	5	9	15	8	sec.	Richard W. Fleming, Ketch Harbour, N.S.	
134060	Eunice F.	Victoria	1914	Fancock, N.S.	41	12	0	6	0	16	15	15	sec.	M. P. and J. T. Davis, Quebec, Que., J. O.	
112054	Euphemia	St. Catharines	1903	Port Dalhousie, Ont.	47	0	6	1	2	20	18	8	sec.	The Minister of Marine and Fisheries, Ottawa, Ont.	
93940	Eureka	Quebec	1893	Glasgow, G.B.	91	7	2	0	1	170	70	60	sec.	R. Logan, M.O., Loggieville, N.B.	
103581	Eureka	Clackham, N.B.	1895	Douglasstown, N.B.	43	0	5	0	18	12	3	1	sec.	Francis Blake, Barrisfield, Ont.	
122358	Eva	Kingston	1906	Kingston, Ont.	28	0	5	8	2	9	3	2	sec.	Horace G. Healy, Vancouver, B.C.	
96991	Eva	Vancouver	1891	New Westminster, B.C.	56	0	13	5	4	35	21	3	sec.	The Commissioner of Fisheries, Toronto, Ont.	
100652	Eva Belle	Kingston	1892	Kingston, Ont.	39	8	7	8	2	10	7	6	sec.	Samuel Dunnville, Hopewell Cape, N.B.	
100552	Eva Boat	Dorchester	1900	Hopewell Cape, N.B.	27	7	4	3	6	4	3	1	sec.	Mamel Morais, Dover, N.S.	
130687	Eva E. L.	Lanenburg	1909	Little Fancock, N.S.	39	10	2	5	4	11	10	5	sec.	Caleb Gray, Sambro, N.S.	
133680	Eva G.	Halifax	1915	Sambro, N.S.	36	0	11	5	4	8	12	11	2	sec.	A. Filz Randolph, Fredericton, N.B.
80606	Eva Johnson	St. John, N.B.	1880	Yarmouth, N.S.	42	0	16	7	2	16	7	21	sec.	Bradford P. Thorburn, M.O., Sandy Point, N.S.	
83731	Eva L. H.	Shelburne	1883	Malton Bay, N.S.	65	2	2	0	8	2	62	57	3	sec.	The British Columbia Sulphite Co., Ltd., Vancouver, B.C.
88370	Eva Marie	Victoria	1884	Victoria, B.C.	108	0	18	4	8	6	126	60	1	sec.	The Minister of Lands for British Columbia, Victoria, B.C.
133766	Eva R.	Victoria	1913	Victoria, B.C.	33	0	9	6	4	5	9	6	sec.	Ray C. Jeffrey, Woods Harbour, N.S.	
126345	Eva S.	Barrington Passage	1910	Clarks Harbour, N.S.	31	5	0	5	8	10	10	1	sec.	Herbert Ford, Vancouver, B.C.	
122154	Evangel	Vancouver	1910	U.S.A.	30	0	0	3	2	11	8	1	sec.	Mrs. George B. Sparrow, Vancouver, B.C.	
77979	Evangelino	Vancouver	1881	Victoria, B.C.	45	0	10	5	0	14	9	1	sec.	Formerly a sailing vessel and formerly "Rainbow" and "Teaser."	

Formerly "Effie L." Formerly "Sarah M. Renton." Formerly name "Princess May." Formerly a sailing vessel. Formerly a sailing vessel and formerly "Rainbow" and "Teaser."

Formerly "Harry E. Paeker." Turbines.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless. Muni de la T.S.F. Names of Motor Vessels in Italics. Les noms des vapeurs à moteurs sont en italiques.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construction.	Where Built. Lieu de construction.	Length in feet and Inths. Longueur en pieds et Inchs.	Breadth in feet and Inths. Largeur en pieds et Inchs.	Depth in feet and Inths. Profondeur en pieds et Inchs.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
8216	Evangelina	Windsor, N.S.	1882	Hamport, N.S.	81 2	16 8	7 5	69	28	50 sc.	Wm. McFarrigo, Jr., Halifax, N.S.
12233	Eve	Vancouver	1907	Vancouver, B.C.	15 0	12 0	5 7	21	16	24 sc.	H. Bell-Irving Co., Ltd., Vancouver, B.C.
96876	Evelyn	Godolph	1893	Godolph, Ont.	61 0	13 8	5 3	32	22	9 sc.	Dominion Fish Co., Ltd., Winnipeg, Man.
116520	<i>Evelyn</i>	Lomburg	1904	Lomburg, N.S.	48 0	13 8	6 0	18	17	3 sc.	Almon Hawes, Guysborough, N.S.
111888	Evelyn	Peterboro	1906	Lakeland, Ont.	30 0	6 8	2 8	4	3	3 sc.	J. Blowell, Lakeland, Ont.
117161	Evelyn	Windsor, N.S.	1905	Falmouth, N.S.	51 0	12 4	5 4	14	9	9 sc.	Frank T. Pugsley, Windsor, N.S., and Joseph N. Pugsley, Parrishoro, N.S.
126177	<i>Evelyn E. F.</i>	Halifax	1910	East Dover, N.S.	30 0	10 0	4 5	10	8	7 sc.	Wm. A. Newcombe, Pleasant Harbour, N.S.
138403	<i>Evelyn H. Wilder</i>	Sydney, N.S.	1918	Nevils Harbour, N.S.	42 0	13 0	6 4	16	16	1 sc.	Stephen Buckland, Glace Bay, N.S.
97003	Evelyn Hodgkins	St. Catharines	1888	Thorold, Ont.	29 2	7 0	3 6	4	3	5 sc.	Freeman Hodgkins, Toronto, Ont.
107181	Everard	South Starbuck	1900	Gore Bay, Ont.	51 0	13 0	6 0	25	17	12 sc.	M. Graham, Kawarong, Ont.
122544	Evergreen	Vancouver	1901	Ballard, Wash., U.S.A.	49 0	13 5	9 0	33	27	8 sc.	Masset Timber Co., Ltd., Vancouver, B.C.
116153	Evolv	Vancouver	1903	Vancouver, B.C.	32 5	9 5	4 1	10	10	1 sc.	Alfred Quinn, Broughton Island, B.C.
131004	Ewayvea	St. John, N.B.	1912	St. John, N.B.	39 5	8 7	4 6	15	10	3 sc.	John F. Williamson, St. John, N.B.
88682	<i>Ezcadit</i>	St. John, N.B.	1885	Portland, N.B.	73 5	17 5	7 9	105	89	1 sc.	Roderick A. Cameron, St. John, N.B.
126887	Ezoza	St. John, N.B.	1909	Springfield, N.B.	31 2	9 7	3 3	14	3	31 sc.	Wm. Elliott Vaughan, Fredericton, N.B.
92438	Express	Toronto	1887	Toronto, Ont.	35 9	7 3	3 6	4	3	1 sc.	John B. Bowerman, Port Perry, Ont.
126522	F. R. C.	Ottawa	1907	Sturgeon Falls, Ont.	37 8	12 0	3 3	22	18	2 pa.	Fred E. Clark, Sturgeon Falls, Ont.
120841	F. N. & B.	Ottawa	1911	Sturgeon Falls, Ont.	28 0	9 6	3 2	12	12	11 pa.	Fred E. Clark, Sturgeon Falls, Ont.
123668	<i>F. O. D'Arcy</i>	Halifax	1910	Sumbro, N.S.	40 0	10 5	5 0	10	10	1 sc.	Andrew Twobling, Pictou, N.S.
123992	F. U. Phippen	Prince Rupert	1910	North Vancouver, B.C.	54 4	12 3	6 0	26	17	31 sc.	Canadian Fish & Cold Storage Co., Ltd., Prince Rupert, B.C.
124022	F. W. Arnstrong	Ottawa	1913	Spillimouch, B.C.	81 0	16 0	4 0	126	79	4 pa.	Edward F. Burns, Vancouver, B.C.
103329	F. W. Veary	Ottawa	1895	Simcoe, Ont.	37 0	20 0	3 6	11	9	20 sc.	F. W. Veary, Ottawa, Ont.
124262	F. W. Grant	Midland	1914	Midland, Ont.	75 3	22 1	9 3	119	45	37 sc.	Canadian Dredging Co., Ltd., Midland, Ont.
143752	F. W. Roobling	Halifax	1890	Milford, Del., U.S.A.	102 2	18 0	12 7	162	78	40 sc.	The F. W. Roobling Company, Ltd., Halifax, N.S.
118493	F. Dupré	Halifax	1901	Sorel, Que.	73 6	20 1	9 9	114	13	48 sc.	Simcocks-McNaughton Line, Ltd., Montreal, Que.
126140	F. Paul	Sorel	1909	Sorel, Que.	51 1	12 8	6 7	18	13	12 sc.	Amphise Desrochers, Sorel, Que.
138189	<i>F. Parsons</i>	New Westminster	1914	Tacoma, Wash., U.S.A.	58 0	13 8	6 4	30	31	4 sc.	Packers Steamship Co., Ltd., Vancouver, B.C.
111966	Farfax	Halifax	1890	Grand Haven, Mich., U.S.A.	209 0	38 0	21 0	1,367	1,019	83 sc.	Canada Steamships Lines, Ltd., Montreal, Que.
80764	Fairy	Sydney, N.S.	1881	Quebec, Que.	37 1	11 2	5 3	16	9	8 sc.	Geo. M. Fraser, Edwardsville, N.S.
71173	Falcon	Halifax	1874	Kingsport, Ont.	10 0	8 8	3 1	7	8	8 sc.	J. G. Richardson, Brockville, Ont.
100700	Falmouth	St. John, N.B.	1898	New Glasgow, N.S.	51 2	15 1	7 3	43	29	17 sc.	Maritime Dredging & Construction Co., Ltd., St. John, N.B.

SESSIONAL PAPER No. 22

138550	² Fannicol	Vancouver	Burton, Wash., U.S.A.	34 2	11 3	4 5	11	7	2 sec.	Mrs. F. J. Whitcroft, Vancouver, B.C.
99443	Fannie	St. John, N.B.	Philadelphia, Pa., U.S.A.	55 6	12 5	6 3	34	23	8 sec.	The Lamarrs Tug Boat Co., Ltd., St. John, N.B.
141117	² Fannie F.	Vancouver	Bellingham, Wash., U.S.A.	30 5	11 0	4 3	13	9	2 sec.	Warren Creelman, Vancouver, B.C.
85322	Fanny Arnold	Owen Sound	Owen Sound, Ont.	89 0	16 8	9 0	72	50	13 sec.	Spanish River Co., Spanish River, Ont.
1426295	Farruhar	Vancouver	Vancouver, B.C.	63 3	18 0	8 0	49	19	16 sec.	Kingcome Nav. Co., Ltd., Vancouver, B.C.
121711	² Farraged	Vancouver	Tacoma, Wash., U.S.A.	27 5	7 1	2 7	8	5	13 sec.	The Tacoma Steel Company (Incorp.), Vancouver, B.C.
122019	Fashion	Ottawa	West Bay City, Mich., U.S.A.	60 8	16 6	6 0	43	27	24 sec.	The Minister of Public Works, Ottawa, Ont.
122197	Faultless	New Westminster	New Westminster, B.C.	102 0	21 0	10 5	145	95	39 sec.	Westminster Towing & Fish Co., Ltd., New Westminster, B.C.
110683	Fay	Ottawa	Ottawa, Ont.	37 0	9 0	3 8	6	6	6 sec.	E. T. Edwards, et al., Ottawa, Ont.
130194	Fearful	New Westminster	Fraser Mills, B.C.	73 4	18 0	7 0	80	42	28 sec.	Canadian Tug Boat Co., Ltd., Vancouver, B.C.
107247	Fearless	New Westminster	New Westminster, B.C.	64 0	15 0	6 5	36	13	10 sec.	Jos. Meyers, New Westminster, B.C.
92422	Fearless	Prescott	Iroquois, Ont.	56 0	12 0	5 0	46	32	10 sec.	Mrs. Sarah M. Carnan, Iroquois, Ont.
134612	² Fedora II	Sault Ste. Marie	Sault Ste. Marie, Ont.	43 0	11 0	4 8	19	48	2 sec.	William K. Sims, Sault Ste. Marie, Ont.
122221	Ferdinand	Montreal	St. Antoine, Que.	87 0	17 6	5 4	76	48	28 sec.	Louis E. Charrou, St. Denis, Que.
126543	² Ferrida	Vancouver	Vancouver, B.C.	25 3	7 2	5 0	6	4	1 sec.	Knud Paulsen, Vancouver, B.C.
107504	Fern	Quebec	Quebec, Que.	22 2	5 5	1 8	2	4	1 sec.	T. Magnan, Ste. Thelie, Que.
38223	² Fernand	Montreal	Montreal, Que.	23 2	6 9	5 0	4	3	1 sec.	David Dion, Montreal, Que.
140922	Festabert	Ottawa	Toronto, Ont.	32 0	23 5	13 5	320	204	59 sec.	The Minister of the Naval Service, Ottawa, Ont.
107174	Fida	Port Arthur	Collingwood, Ont.	24 0	6 5	2 4	2	6	1 sec.	Bon. Almos, Jack Fish, Ont.
103644	Fidelia	Toronto	Kingston, Ont.	38 9	7 6	4 1	9	6	5 sec.	A. W. Blackford, Toronto, Ont.
133926	Fidelis	Chatham, N.B.	Lamek, N.B.	35 0	10 3	5 9	13	11	1 sec.	W. S. Loggie Co., Ltd., Chatham, N.B.
133394	Fife	Chatham, N.B.	Indian Harbour, N.S.	38 6	10 3	5 5	12	11	3 sec.	Harvey Covey, Indian Harbour, N.S.
138079	Fifon	Ottawa	Hull, Que.	40 0	7 8	4 0	10	7	3 sec.	Frank St. Louis, Hull, Que.
103152	Fingal	Vancouver	Vancouver, B.C.	85 0	19 1	6 5	91	60	1 sec.	Coast Steamship Co., Ltd., Vancouver, B.C.
90724	Fire Fly	Halifax	Halifax, N.B.	22 5	5 0	2 5	1	5	1 sec.	Wm. Marshall Black, Halifax, N.S.
130442	² Fire Queen	Vancouver	Unknown	31 3	7 0	3 8	8	5	1 sec.	John W. Warden, Vancouver, B.C.
140916	Fishhop	Richibucto	Lund, B.C.	32 3	9 0	4 1	11	7	14 sec.	John and James Orpans, Lund, B.C.
126775	Fisherman's Pride	Richibucto	Richibucto, N.B.	29 0	11 0	4 6	11	11	1 sec.	Andrew Loggie, Dalhousie, N.B.
126278	Fishmaid	New Westminster	Sleveston, B.C.	39 8	10 3	4 2	13	10	5 sec.	George MacKie, M. O., New Westminster, B.C.
134111	Fispa	New Westminster	New Westminster, B.C.	74 0	14 0	7 5	63	25	12 sec.	The Minister of Marine and Fisheries, Ottawa, Ont.
120670	Five Weeks	Richibucto	Richibucto, N.B.	35 0	11 0	5 0	12	11	1 sec.	Alexander McLean, and A. S. Hartman, Loggieville, N.B.
107296	Flash	Halifax	Charlottetown, P.E.I.	38 0	8 4	3 8	8	5	8 sec.	Wm. Beazley, Halifax, N.S.
130542	² Flata	Vancouver	U. S. A.	26 0	9 3	2 2	7	5	3 sec.	R. H. Elder, Flat Island, B.C.
116727	² Flata	St. John, N.B.	Gananoque, Ont.	35 8	7 4	3 2	9	6	1 sec.	Wm. Waddell, Reeds Point, N.B.
121901	² Flatawing	Halifax	Malcome Bay, N.S.	30 6	9 8	2 4	4	5	3 sec.	Wm. McMaster, Amherst Is., Ont.
85644	Flora	Halifax	Gananoque, Ont.	58 0	13 9	7 2	42	40	1 sec.	Richard C. Smith and D. H. Moser, Halifax, N.S.
121826	² Florance	Montreal	Naponee, Ont.	28 3	7 9	3 2	3	2	5 sec.	John Milling, Fredericksburg, Ont.
88309	Florence	Montreal	Naponee, Ont.	35 3	6 0	2 8	3	2	1 sec.	R. C. Smith, Montreal, Que.
83072	Florence	Ottawa	Levis, Que.	91 0	19 8	9 0	113	30	54 sec.	George Hall Coal Company of Canada Ltd., Montreal, Que.
100427	Florence	Ottawa	Rockland, Ont.	81 0	18 3	7 0	62	24	34 sec.	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
103270	Florence	Paspébe	Spyder Depot, Ont.	74 5	21 4	5 0	40	32	45 pt.	Canada Lumber Co., Carleton Place, Ont.
122361	Florence	Port Hope	New Westville, N.B.	47 5	10 1	4 6	19	13	6 sec.	F. J. Allard, New Carlisle, Que.
85453	Florence	Quebec	Briarton, Que.	48 0	9 0	3 2	7	5	4 sec.	E. P. Angusworth, Brighton, Ont.
103143	Florence	Montreal	Quebec, Que.	91 2	22 8	9 5	133	90	25 sec.	Wilfrid Robitoux, Yamaska, Que.
85629	Florence	Toronto	Three Rivers, Que.	51 6	10 8	4 1	18	12	5 sec.	The James MacLaren Co., Ltd., Buckingham, Que.
97163	Florence	Victoria	Huntsville, B.C.	51 0	11 3	3 0	27	18	3 sec.	Lorenzo McKenny, Huntsville, Ont.
121975	Florence Carlin	Victoria	Knall, B.C.	97 5	20 4	5 9	30	18	3 sec.	C. F. Todd, M. O., Victoria, B.C.
94770	Florence M.	Owen Sound	Owen Sound, Ont.	65 0	7 2	3 5	8	6	9 pt.	The Columbia River Lumber Co., Ltd., Golden, B.C.
122616	Florence J. Graham	Goderich	Goderich, Ont.	44 1	15 0	6 5	38	26	2 sec.	J. McDonald, Sault Ste. Marie, Ont.
133033	² Florence M. Nickerson	Barrington Passage	Port Clyde, N.S.	37 0	9 4	4 4	11	11	1 sec.	Albert R. Misner and J. W. Todd, J. O., Port Burwell, Ont.
107993	² Florence May	Causo	Queensport, N.S.	33 0	11 4	6 0	11	10	1 sec.	Herbert Nickerson, Cham Point, Cape Island, N.S.
100034	Floressant	Toronto	Toronto, Ont.	30 0	6 0	3 0	3	2	3 sec.	John Kennedy, Causo, N.S.
116440	Floste	Vancouver	Vancouver, B.C.	30 0	8 4	3 4	12	8	2 sec.	Rutherford Cunningham, Toronto, Ont.

¹Formerly "Naplane." ²Foreign name "Stans Souci." ³Foreign name "Queen." ⁴Foreign name "Goldenrod." ⁵Formerly a sailing vessel.

⁶Formerly "Fox."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire-gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—uni de la T.S.F.—Noms de Motor Vessels in *italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Constructé en	Where built. Lieu de construction.	Length in feet and 10ths.	Tonnage en pieds et 10 ^{es} .	Breadth in feet and 10ths.	Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire-gérant, et adresse.
137932	<i>Flossie S.</i>	Vancouver.	1912	Winnipeg, Man.	43 5	47	10 5	4 7	6 0	88	15	2 sc.	2 sc.	Alexander M. Robb, Toronto, Ont.
130853	<i>Flower of Buchan</i>	Vancouver.	1912	Steveston, B.C.	37 0	31	9 2	3 1	6 0	35	15	1 sc.	1 sc.	James Winter, et al., Vancouver, B.C.
131120	<i>Floz.</i>	Montreal.	1912	Montreal, Que.	40 7	6 0	9 8	6 0	13	13	11	1 sc.	1 sc.	H. S. Grove, Iachine, Que.
90751	<i>Flushing.</i>	St. John, N.B.	1882	Athens, N.Y., U.S.A.	115 9	8 2	21 0	8 2	17 8	223	73	1 sc.	1 sc.	The St. John River Log Driving Co., Devon, N.B.
121978	<i>Flatterby.</i>	Victoria.	1906	Victoria, B.C.	20 0	5 4	5 4	3 0	2	2	2	1 sc.	1 sc.	Arthur T. C. Lane, Duncan, B.C.
107712	<i>Flyer.</i>	New Westminster.	1899	Vancouver, B.C.	65 6	14 3	6 9	4 8	4 8	48	32	3 sc.	3 sc.	Monarch Towing & Trading Co., Ltd., New Westminster, B.C.
103674	<i>Flyer.</i>	Toronto.	1892	Kingston, Ont.	39 2	6 4	2 8	4 4	3	3	3	1 sc.	1 sc.	John Rogers, Port Sandfield, Ont.
116455	<i>Flying Cloud.</i>	Victoria.	1903	Vancouver, B.C.	36 4	10 1	4 7	16	11	17	4	1 sc.	1 sc.	Ali See, Coal Island, B.C.
116455	<i>Flying Cloud.</i>	Victoria.	1903	Vancouver, B.C.	38 8	8 8	4 0	4 0	16	17	4	1 sc.	1 sc.	Joseph Legault, Swanson Bay, B.C.
126788	<i>Flying Spur.</i>	New Westminster.	1910	Steveston, B.C.	42 6	10 8	4 3	16	7	3	3	3 sc.	3 sc.	John S. Thom, Quebec, Que.
112928	<i>Foam.</i>	Quebec.	1900	Quebec, Que.	42 6	10 8	4 3	16	7	3	3	3 sc.	3 sc.	John S. Thom, Quebec, Que.
116412	<i>Forager.</i>	Victoria.	1904	Victoria, B.C.	84 0	18 8	6 6	9 0	57	57	13	3 sc.	3 sc.	John and Walter Idelens, J.O., Victoria, B.C.
126410	<i>Forest B.</i>	Kenora.	1895	Rainy River, Ont.	75 0	17 0	6 0	6 0	88	60	4	4 sc.	4 sc.	The Rat Portage Lumber Co. Ltd., St. Boniface, Man.
122167	<i>Forest Queen.</i>	Vancouver.	1906	Vancouver, B.C.	50 5	11 7	6 0	6 0	35	24	3	3 sc.	3 sc.	Neil A. McKinnon and G. Y. Hibbard, Vancouver, B.C.
130575	<i>Forman F.</i>	Lunenburg.	1910	Little Tanook, N.S.	42 3	10 9	6 2	10	15	14	3	3 sc.	3 sc.	Obed Ploet, Blanford, N.S.
92344	<i>Forrester.</i>	Quebec.	1887	Chicoutimi, Que.	58 0	11 1	7 0	26	23	21	15	3 sc.	3 sc.	B. J. Kaine, Ite Ite Bay, Que.
107350	<i>Forrester.</i>	Lunenburg.	1901	Pubnico, N.S.	45 0	14 6	6 7	23	21	5	5	3 sc.	3 sc.	Alton Westhaver, Martins Brook, N.S.
126944	<i>Fort Fraser.</i>	Victoria.	1910	Soda Creek, B.C.	56 0	11 8	2 9	33	21	23	2	2 pt.	2 pt.	John K. McLeman, and Allan J. Adamson, Winnipeg, Man.
130877	<i>Fort Langley.</i>	New Westminster.	1913	Vancouver, B.C.	51 2	12 3	4 3	34	23	4	4	3 sc.	3 sc.	John D. Stalker, M.O., New Westminster, B.C.
134605	<i>Fort McMuray.</i>	Winnipeg.	1915	Fort McMuray, Alta.	151 0	28 3	6 5	661	397	9	9	9 pt.	9 pt.	Hudson's Bay Company, London, England.
134100	<i>Fort McMuray.</i>	Vancouver.	1914	Vancouver, B.C.	58 6	16 0	6 3	46	31	4	4	3 sc.	3 sc.	Hudson's Bay Company, London, England.
121750	<i>Fort Winds.</i>	Charlham, N.B.	1906	Vancouver, B.C.	26 0	9 7	5 8	8	5	5	5	3 sc.	3 sc.	Donald G. Forbes, Victoria, B.C.
138018	<i>Frances Elizabeth.</i>	Lunenburg.	1918	Campbellton, N.B.	43 0	9 0	5 6	14	13	4	4	3 sc.	3 sc.	Mrs. Beverley Sprout, Campbellton, N.S.
130738	<i>Frances Lenore.</i>	Lunenburg.	1911	Tanook, N.S.	41 6	10 0	5 6	13	12	13	4	3 sc.	3 sc.	Frank Ring, Halifax, N.S.
126051	<i>Frances W.</i>	Owen Sound.	1908	Gollingswood, Ont.	59 0	16 0	8 0	43	4	8	8	3 sc.	3 sc.	Canadian Dredging Co., Ltd., Midland, Ont.
126897	<i>Francis Cutting.</i>	Vancouver.	1889	San Francisco, Cal., U.S.A.	80 5	20 5	7 6	19	10	11	11	11 sc.	11 sc.	Whalon Pulp & Paper Mills, Ltd., Vancouver, B.C.
130846	<i>Francis Idaho.</i>	Vancouver.	1911	Vancouver, B.C.	37 5	11 0	5 0	14	60	60	10	10 sc.	10 sc.	James Austin Gill, Vancouver, B.C., and Louis Goddel, West Sooke, B.C.
126651	<i>Francis Martin.</i>	Midland.	1909	Pontanguishene, Ont.	50 3	12 4	5 1	27	13	13	3	3 sc.	3 sc.	William Martin, Pontanguishene, Ont.
126454	<i>Francis C.</i>	Sorel.	1909	Sorel, Que.	86 0	17 1	5 8	126	49	38	38	13 sc.	13 sc.	François Crepeau, Sorel, Que.
107895	<i>Frank.</i>	Montreal.	1900	Cardinal, Ont.	40 0	10 0	3 2	16	3	25	25	3 sc.	3 sc.	Laurin & Leitch Engineering & Construction Co., Ltd., Montreal, Que.
134517	<i>Frank B. Stevens.</i>	Sarnia.	1867	Buffalo, N.Y., U.S.A.	146 0	29 3	11 0	516	269	47	47	47 sc.	47 sc.	American Transit Company, Ltd., Sarnia, Ont.
116386	<i>Frank C. Barnes.</i>	Port Arthur.	1892	Manistee, Mich., U.S.A.	66 0	16 0	8 0	63	43	10	10	10 sc.	10 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
107192	<i>Frank G. McAulay.</i>	Port Stanley.	1898	Southampton, Ont.	67 5	15 8	7 3	43	29	11	11	11 sc.	11 sc.	Nathlan S. Cornell, Port Stanley, Ont.

130238	Frank H. Stanley	1912	Port Stanley, Ont.	66 0	15 0	7 5	43	29	10 1/2	sec.	Harry L. Moore and Walter S. Stanton, J.O., Port Stanley, Ont.
117079	Frank I.	1905	Parry Sound, Ont.	68 7	14 0	6 6	46	31	10	sec.	Wm. H. Oldfield, Parry Sound, Ont.
134397	Frank L. C.	1909	Lanenburg, N.S.	36 2	11 2	5 4	13	11	3	sec.	Stephen Claversay, Pleasantville, N.S.
112083	Frank Marshall	1903	Kenora	60 9	12 5	5 5	27	13	30	sec.	The Dryden Timber & Power Co., Ltd., Dryden, Ont.
126122	Frank N. McCrea	1908	Kingston	47 8	11 0	5 0	49	10	33	sec.	Frank N. McCrea, Sherbrooke, Que.
70287	Frank P. Frew	1887	Montreal	72 6	16 6	6 7	43	21	10	sec.	The Missisquoi Railways and Canals, Ottawa, Ont.
110223	Frank H.	1903	Quebec	45 0	11 1	4 6	17	8	20	sec.	McLachlan J. Halseker, Quebec, Que.
116719	Fraserville	1904	Port Glasgow, G.B.	60 0	15 3	7 4	51	35	16	sec.	Canadian Bank of Commerce, Toronto, Ont.
138100	Fred.	1915	Vancouver, B.C.	29 5	8 0	3 9	24	16	17	sec.	Godwin J. C. Anderson, Nanaimo, B.C.
07413	Fred.	1890	Montreal, Que.	43 4	12 1	5 9	9	12	17	sec.	Joseph A. L. Francis Lehigh, J.O., Quebec, Que.
94928	Fred. A. Hodgson	1890	Collingwood, Ont.	97 1	17 8	8 2	173	106	6	sec.	Stanley Chew, Midland, Ont.
134379	Fred. A. Lee	1896	Port Huron, Michigan, U.S.A.	72 0	15 5	10 0	32	14	6	sec.	Sydney L. Penhewood, Sault Ste. Marie, Ont.
103260	Fred Glasgow	1896	St. John, N.B.	37 9	8 8	4 1	10	7	6	sec.	The St. John River Log Driving Co., Devon, N.B.
111791	Fred. L. M. Paint	1902	Port Hawkesbury, N.S.	63 6	17 0	8 0	88	39	24	sec.	Northern Pelding & Construction Co., Ltd., Joggsville, N.B.
92478	Fred. M. Butt	1888	Charlottetown	67 5	18 0	7 7	50	28	14	sec.	The Island Tug Co., Ltd., Charlottetown, P.E.I.
100834	Fred and Norman	1890	Bathurst Cove, N.S.	50 5	17 1	7 1	23	31	1	sec.	Boardman Cheney, Whitehead, N.B.
122080	Fredie Adams	1881	Parry Sound, Ont.	40 0	8 7	5 0	13	11	1	sec.	George Lynch Adams, Parry Sound, Ont.
80821	Fredie H.	1880	Vernon	61 0	13 2	6 8	27	13	3	sec.	D. J. DeBlance and Frank S. Finley, Wedgeport, N.S.
136911	Fredie H.	1919	Vancouver	43 2	12 5	5 8	20	14	3	sec.	Water Warehouse, Vancouver, B.C.
133377	Fredie H.	1912	Seattle, Wash., U.S.A.	43 5	12 0	5 4	23	17	2	sec.	The Cakes Timber Co., Ltd., Fort Frances, Ont.
112801	Fredrick	1904	Selkirk, Man.	63 8	13 0	9 4	36	27	27	sec.	The Minister of Public Works, Ottawa, Ont.
131137	Fredna	1913	Toronto, Ont.	71 0	20 0	3 7	109	47	3	sec.	Edwin E. Cunningham, Vancouver, B.C.
131143	Fredna	1912	Vancouver, B.C.	31 7	7 2	3 6	9	4	3	sec.	Edwyn B. Andrews, Victoria, B.C.
134027	Fredna	1912	Vancouver, B.C.	26 0	7 2	3 6	9	3	3	sec.	Minister of Public Works, Ottawa, Ont.
138412	Friday	1911	Selkirk, Man.	51 8	13 8	7 9	39	26	4	sec.	John Donnelly, Kingston, Ont.
117167	Frontac	1901	Garden Island, Ont.	89 0	21 8	5 8	111	64	73	sec.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
121782	Frontac	1903	Westmeath, Ont.	34 4	9 4	3 0	5	4	8	sec.	La Compagnie Maritime et Industrielle de Lévis, Lévis, Que.
107068	Frontac	1889	Levis, Que.	119 6	23 0	7 9	262	131	63	sec.	The Minister of Marine and Fisheries, Ottawa, Ont.
133909	Frontac	1901	Sorel, Que.	101 7	23 0	7 9	262	131	63	sec.	Mrs. Margaret Cook, Windsor, Ont.
94226	Frontier	1899	Pictou, Ont.	185 1	26 0	9 5	700	374	274	sec.	Thomas Smith, White Horse, Y.T.
116614	Frontiersman	1908	White Horse, Y.T.	41 8	7 0	2 5	4	4	1	sec.	Kiatao Asari, Seal Island, B.C.
137950	Frugiana	1915	White Horse, Y.T.	36 0	8 5	4 3	11	7	1	sec.	Ezo Morimoto, Vancouver, B.C.
138309	Frui-Maru	1916	Steveston, B.C.	30 0	7 4	3 2	4	4	1	sec.	Cereno J. Kelly, Vancouver, B.C.
130847	Full Moon	1912	Vancouver, B.C.	48 0	10 5	5 2	24	16	2	sec.	A. Fraser Co., Ltd., Vancouver, B.C.
137336	G. A. F.	1915	Vancouver, B.C.	33 3	8 5	3 7	9	6	1	sec.	John Brown, Westfield, N.B.
130512	G. B. F.	1911	Little River, N.S.	31 6	9 0	3 8	6	3	1	sec.	Geo. A. McLaurin, Savaane, Ont.
129049	G. A. McLaurin	1909	Peterborough, Ont.	36 9	10 0	4 4	17	12	1	sec.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
103882	G. B. Greene	1896	Quyon, Que.	133 2	44 8	8 0	259	154	34	pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
116647	G. B. Patton II.	1917	Quyon, Que.	61 5	14 7	6 1	51	38	61	sec.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
116552	G. B. Zwickler	1912	Port Medway, N.S.	40 8	11 0	5 8	13	12	3	sec.	Port Medway, N.S.
66912	G. D. Hunter	1873	Portland, N.B.	72 0	18 5	8 1	68	13	46	sec.	Miss Anna F. Gregory, St. John, N.B.
130335	G. H. Nutter	1912	Grenville, Que.	57 1	14 0	5 5	31	16	3	sec.	W. C. Edwards, Co., Ltd., Rockland, Ont.
103229	G. K. King	1887	Gondola Point, N.B.	51 2	15 1	6 4	45	31	15	sec.	Mrs. C. A. Waring, et al., St. John, N.B.
134330	G. M. Stearns	1914	Chatham, N.B.	58 0	16 8	7 0	57	16	16	sec.	John W. Frankley, Chatham, N.B.
134571	G. N. Hamming Bird	1914	Steveston, B.C.	32 0	8 2	3 8	8	5	2	sec.	Corokichi Nakamura, Steveston, B.C.
92288	G. P. McIntosh	1888	Meaford, Ont.	78 0	16 0	7 3	58	40	60	sec.	M. J. Hogan, Port Colborne, Ont.
133836	G. R. Carillon	1913	Carillon, Que.	49 7	12 4	4 7	20	9	3	sec.	Joseph Roy, Carillon, Que.
123924	G. R. Crowe	1910	Dundee, G.P.	331 0	43 4	22 9	2,940	2,347	116	sec.	Montezuma Transportation Co., Ltd., Toronto, Ont.
130313	G. R. Geary	1912	Collingwood, Ont.	62 7	17 0	8 0	199	135	83	sec.	Corporation of the City of Toronto, Toronto, Ont.
134260	G. R. Gray	1917	Collingwood, Ont.	115 7	24 8	12 6	268	121	56	sec.	Lake Superior Company, Ltd., Sault Ste. Marie, Ont.
133756	G. S. Mayes	1913	St. John, N.B.	79 6	19 8	49 1	110	75	37	sec.	G. S. Mayes Tug Co., Ltd., Halifax, N.S.
126839	G. Whit	1911	Hamlet, Ont.	73 0	16 0	3 0	35	12	3	sec.	N. E. Bennett, Hamlet, Ont.

¹Formerly "St. Joseph." ²Formerly "Brandon" and "Edna Bridges." ³Formerly "Argyle." ⁴Recovered Wreck.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Padlle—aubes; Sc., Screw—à hélice
 © Equipped with Wireless—Muni de la T. S. F. Names of Motor Vessels in italics. Les noms des vapeurs à moteurs sont en italiques.

Official No. No. officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built. Construit	Where Built. Lieu de construction.	Length in feet and Inchs. Longueur en pieds et Inchs.	Breadth in feet and Inchs. Largeur en pieds et Inchs.	Depth in feet and Inchs. Profondeur en pieds et Inchs.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en chevaux et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
103570	Gadabout.	Montreal.	1895	New York, N.Y., U.S.A.	30 6	6 8	9 6	3	2	1 sc.	C. R. Hosmer, Montreal, Que.
107409	Gadilly.	Montreal.	1898	Jersey City, N.J., U.S.A.	27 2	7 7	2 4	22	2	3 sc.	James Bryce Allan, Montreal, Que.
133259	Gaetan.	Montreal.	1913	Greenville, Que.	49 3	12 7	4 6	22	12	3 sc.	George D. Grosseau, Grenville, Que.
130247	Gaetan.	Port Medway.	1912	Port Medway, N.S.	40 0	11 7	6 1	16	15	2 sc.	Stanley E. Parker, Port Medway, N.S.
141030	Gaep.	Vancouver.	1918	Steveston, B.C.	29 8	8 2	3 0	8	8	1 sc.	Brunson, Mitchell, Steveston, B.C.
107290	Gaeta.	Winnipeg.	1898	Wabigoon, Ont.	60 0	12 5	3 0	46	30	1 sc.	Thomas J. Robart, Wabigoon, Ont.
112079	Gale.	Kenora.	1898	Wabigoon, Ont.	92 0	15 5	3 0	3	1	1 sc.	Port Mines Co., Ltd., Miss Centre, Ont.
80955	Galea.	New Westminster.	1888	Kootenay River, U.S.A.	70 8	16 0	5 0	73	50	3 sc.	M. F. Johnston, Victoria, B.C.
130947	Galiano.	Ottawa.	1913	Dublin, Ireland.	162 3	27 1	13 1	393	120	161 sc.	The Marine of the Naval Services, Ottawa, Ont.
130936	Gambier.	Vancouver.	1911	Vancouver, B.C.	98 2	0 0	2 0	6	6	2 sc.	Thomas H. Burgess, M.O. Vancouver, B.C.
83130	Gambier.	Halifax.	1881	Halifax, N.S.	48 0	15 2	5 2	28	19	20 sc.	Halifax Breweries Co., Ltd., London, Eng.
120942	Gambus.	Port Dover.	1909	Port Dover, Ont.	54 0	13 6	5 8	26	18	3 sc.	C. W. Barwell and P. C. Robinson, J.O., Port Dover, Ont.
122905	Gama.	Kenora.	1906	Hamilton, Ont.	21 0	4 3	3 8	2	2	1 sc.	John A. Johnston, Irgone, Ont.
100035	Garden City.	Toronto.	1892	Toronto, Ont.	177 9	26 1	10 0	637	401	150 p.h.	The Niagara, St. Catharines & Toronto Nav. Co., Ltd., Toronto, Ont.
122435	Gargantua.	Sault Ste. Marie.	1882	St. Clair, Mich., U.S.A.	210 0	40 0	22 0	1,490	1,200	88 sc.	The Midland Towing & Wrecking Co., Ltd., Midland, Ont.
96903	Garnet.	Winnipeg.	1889	Kingston, Ont.	53 0	11 6	4 5	10	12	0 sc.	James P. MacDonald, Mississauga Island, Ont.
134253	Garry.	Winnipeg.	1914	Solkirk, Man.	101 6	20 5	5 5	12	4	31 sc.	Manitota Transport Co., Ltd., Winnipeg, Man.
138060	Garry Point.	Montreal.	1917	Steveston, B.C.	40 0	9 2	4 1	18	9	9 sc.	Yacht Oye-Steveston, B.C.
82969	Garthlyde.	Montreal.	1883	Newcastle-on-Tyne, G.B.	115 6	20 2	10 1	186	130	100 sc.	Marine Navigation Company of Can. Ltd., Montreal, Que.
105514	Gasp.	Quebec.	1918	Rarchois, Que.	117 8	23 1	9 8	208	132	22 sc.	Herbert A. Ellis, Rarchois, Que.
70228	Gaspesien.	Quebec.	1874	Wallaston-Tyne, G.B.	100 5	27 1	11 5	368	311	70 sc.	Canadian Maritime Company, Ltd., Montreal, Que.
130527	Gaudin.	Montreal.	1911	Verdun, Que.	27 7	7 9	2 3	3	3	1 sc.	Lake Megantic Pulp Co., Lake Megantic, Que.
134108	Gaudin.	Vancouver.	1908	Vancouver, B.C.	28 4	5 2	3 0	5	5	1 sc.	Joseph E. Butler, Swanson Bay, B.C.
133860	Gaudin.	Vancouver.	1913	Vancouver, B.C.	38 0	9 4	4 5	13	13	1 sc.	John Henry Gates and Charles W. Gates, North Vancouver, B.C.
121762	Gauza.	Vancouver.	1906	Vancouver, B.C.	54 2	13 5	4 9	19	13	1 sc.	Robert W. Ellis, Vancouver, B.C.
107710	Geisha.	Toronto.	1900	Toronto, Ont.	50 9	10 0	4 3	20	13	1 sc.	John Hooper, Toronto, Ont.
121719	Geisha.	Vancouver.	1900	Hong Kong.	20 0	5 5	3 0	2	1	1 sc.	Geo. Gilles, Vm. Thompson and David Harkness, Vancouver, B.C.
100546	Geom.	Digby.	1896	Westport, N.S.	22 0	6 5	4 6	5	2	6 sc.	John E. Moore, Westport, N.S.
108681	Geom.	Toronto.	1897	Port Sydney, Ont.	53 4	12 2	8 0	35	24	9 sc.	A. S. Smith, Cleopatra Township, Muskoka, Ont.
96955	Geonini.	New Westminster.	1891	New Westminster, B.C.	49 0	7 6	3 8	8	6	3 sc.	James A. Clarke, New Westminster, B.C.
131134	Geon.	Vancouver.	1912	Vancouver, B.C.	40 0	9 5	4 7	16	11	13 sc.	Dolly Varion Shipping Co., Ltd., Victoria, B.C.
107452	Geon. Westzel.	Sault Ste. Marie.	1881	Buffalo, N.Y., U.S.A.	57 0	12 0	5 9	32	21	5 sc.	William P. Owen, Richards Landing, Ont.
116995	Genova.	Digby.	1904	Bellast, Me., U.S.A.	42 6	11 8	4 4	6	6	13 sc.	George W. Colwell, et al., St. John, N.B.
117071	Genova.	Toronto.	1905	Orrilia, Ont.	80 7	16 3	5 3	92	58	10 sc.	William Thomson, Orrilia, Ont.

SESSIONAL PAPER No. 22

138401	<i>Genie and May</i>	Sydney, N.S.	1916	Dingwall, N.S.	36 8	12 0	5 0	11	3	51 se.	The Minister of Railways and Canals, Ottawa, Ont.
116200	<i>George</i>	Yarmouth, Ont.	1903	Pubnico, N.S.	41 0	14 7	7 0	22	2	3 se.	Actime Amiro, West Pubnico, N.S.
52523	Geo. A. Harris	Ottawa	1882	Itali, Que.	90 0	18 8	4 4	37	8	37 se.	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
107333	<i>George A. R.</i>	Yarmouth	1900	U.S.A.	16 0	4 0	2 2	26	1	2 se.	George H. Robertson, Pubnico, N.S.
133033	George Bothwell	Ottawa	1913	Buckingham, Que.	72 8	15 6	6 6	42	16	13 se.	The River Lievre Navigation Co., Ltd., Buckingham, Que.
111074	Geo. D. Morrison	Southampton	1905	Kincardine, Ont.	57 6	13 7	5 0	23	4	36 se.	William Morrison, Kincardine, Ont.
126069	George E. Young	Owen Sound	1909	Tobernmory, Ont.	42 0	10 0	3 6	12	8	1 se.	W. W. Ransbury, Tobernmory, Ont.
122437	George Emanson	Sault Ste. Marie	1888	Buffalo, N.Y., U.S.A.	61 0	14 7	6 0	32	21	8 se.	Lake Superior Paper Co., Ltd., Sault Ste. Marie, Ont.
116411	Geo. F. Piper	Victoria	1904	Nakusp, B.C.	78 0	16 0	6 2	70	48	16 se.	Forst, Mills of British Columbia, Ltd., Revelstoke, B.C.
121968	George H. Johnson	Kineston	1886	Armour, Ont.	31 4	6 0	2 6	4	3	1 se.	Mrs. May A. Hammond, Kingston, Ont.
121810	George L.	Ottawa	1908	Stellarton, N.S.	50 0	15 0	6 0	56	50	5 se.	McLachlin Bros., Ltd., Amport, Ont.
171918	George Maytham	Dieby	1870	Buffalo, N.Y., U.S.A.	67 0	17 6	7 4	61	42	13 se.	Ed. R. Barry, Summerside, Nfld.
130223	George P.	Kingston	1895	Roekport, Ont.	53 6	15 7	8 0	40	27	50 se.	D. B. McCrae, Meldrum Bay, Ont.
122295	George V.	Prince Albert	1911	West Albert, Sask.	31 6	8 3	3 0	7	5	11 se.	Charles J. Reilly, Brocksville, Ont.
111809	Geo. W. Cuyler	Sault Ste. Marie	1880	West Bay City, Mich., U.S.A.	64 0	14 6	5 4	379	9 pa.	9 pa.	Francis E. Simonds, Saskatchewan, Sask.
135261	George W. Yates	Ottawa	1913	Greenock, G.B.	100 0	19 1	8 9	111	3	51 se.	The Minister of Railways and Canals, Ottawa, Ont.
131014	Geo. Windfield Smith	Quebec	1903	Lewis, Que.	51 6	11 5	4 5	25	14	3 se.	John Fensinger & Co. (Inc.), St. Marie de Sawaybec, Que.
137062	<i>Georges Sirois</i>	Montreal	1913	Verebrates, Que.	20 2	4 6	1 7	1	3	3 se.	Georges Sirois, St. Vincent de Paul, Que.
138412	Georges William	Quebec	1913	Beacominis, Que.	71 9	12 3	10 0	52	24	30 se.	Joseph Tremblay, Alexis Ste. Anne, Co. of Chicoutimi, Que.
92917	George	Port Arthur	1893	Port Arthur, Ont.	74 0	14 8	7 0	41	26	25 se.	Samuel Forrest, Port William, Ont.
138540	George	Vancouver	1917	Port Moody, B.C.	56 4	10 7	4 6	13	9	2 se.	Maritime Fisheries Ltd., Vancouver, B.C.
128720	Gerald R.	Montreal	1910	Montreal, Que.	35 0	14 7	6 8	15	20	17 se.	Quinlan & Robertsons, Ltd., Montreal, Que.
67129	Geraldine	Collingwood	1893	Purdy Sound, Ont.	66 0	14 4	6 5	45	6	6 se.	John Galna, M.O., Purdy Sound, Ont.
13357	<i>Geraldine B.</i>	Victoria	1913	Victoria, B.C.	33 0	9 6	4 5	9	6	1 se.	The Minister of Lands for British Columbia, Victoria, B.C.
138354	<i>Geraldine H. deitch</i>	Vancouver	1917	North Vancouver, B.C.	240 0	43 9	19 0	1,472	1,259	36 se.	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
131540	Germain	Toronto	1903	Christiania, Norway	94 3	16 8	10 0	106	11	30 se.	Canadian Northern Steamships, Ltd., Toronto, Ont.
138391	Gertrude	Port Arthur	1903	Port William, Ont.	58 0	17 0	4 5	53	37	9 se.	Samuel Forrest, Port William, Ont.
16377	<i>Gertrude J.</i>	St. John N.B.	1903	Moncton, N.B.	61 5	20 0	4 1	46	31	4 se.	Charles M. Pyle, M.O., Hopewell Cape, N.B.
100445	Gertrude	Brookville	1895	Brookville, Ont.	27 2	6 1	3 2	3	3	1 se.	P. F. Nolan, Brookville, Ont.
121757	<i>Gertrude</i>	Vancouver	1906	Vancouver, B.C.	25 5	6 6	2 5	3	2	1 se.	Packies Steamship Co., Ltd., Vancouver, B.C.
85120	Gertrude A. Rankin	St. Catharines	1883	Port Colborne, Ont.	121 1	10 1	4 8	11	9	12 se.	Nobel Bros. Co., Ltd., Owen Sound, Ont.
134465	<i>Gertrude M. B.</i>	Halifax	1915	Big Tancook Island, N.S.	42 0	12 8	6 5	18	17	1 se.	George Methoth, Alberton, P.E.I.
136019	<i>Gertrude E.</i>	Weymouth	1916	Plymouth, N.S.	54 5	16 3	8 0	31	21	1 se.	Loran E. Perry, Weymouth, N.S.
138035	<i>Gertrude Ross</i>	Barrington Passage	1916	Port Clyde, N.S.	32 4	8 4	4 1	11	10	1 se.	Chas. M. Ross, Saint John, N.S.
116462	Gi-Kwan	Vancouver	1905	Vancouver, B.C.	47 4	9 0	3 0	14	19	2 se.	The Superintendent General of Indian Affairs, Ottawa, Ont.
133693	<i>Gianni No. 1</i>	Victoria	1909	Seattle, Wash., U.S.A.	35 4	13 0	5 3	28	12	52 se.	Powder Company of Canada, Ltd., Vancouver, B.C.
85712	Gilbert, J.	Toronto	1881	Cardinal, Ont.	72 0	12 4	5 5	41	23	53 se.	Robert H. Rogers Miller, Toronto, Ont.
138806	<i>Gifford</i>	Vancouver	1907	Seattle, Wash., U.S.A.	39 7	12 4	6 0	11	12	2 se.	Robert Hobbs, Vancouver, B.C.
69429	Gipsy	Petion, N.S.	1874	Yarmouth, N.S.	52 7	12 5	4 0	17	11	29 se.	Hugh McDonald, Sydney, N.S.
122074	Gipsy	Toronto	1906	Toronto, Ont.	31 8	12 5	4 1	10	7	2 se.	Dominique Legault, Charlton, Ont.
103295	Gipsy	Vancouver	1893	Seattle, Wash., U.S.A.	32 0	30 4	3 0	35	24	2 se.	The Muskoka Wood Manufacturing Co., Ltd., Huntsville, Ont.
111929	Glad Tidings	Toronto	1902	Orrilla, Ont.	74 0	18 0	8 0	70	34	28 se.	Balfax Tow Boat Co., Ltd., Halifax, N.S.
161393	Gladiator	Sydney, N.S.	1861	Brooklyn, N.Y., U.S.A.	45 4	10 0	3 9	9	6	15 se.	Inland Trading Co., Ltd., Victoria, B.C.
107722	<i>Gladius</i>	Vancouver	1859	Jersey City, N.J., U.S.A.	39 7	13 2	6 0	16	13	3 se.	Charles Twobing, Pemat, N.S.
114332	<i>Gladius Elena</i>	Halifax	1902	Malbone Bay, N.S.	46 3	12 6	6 5	18	16	1 se.	Daniel A. Cormier and Peter A. Patrel, J.O., Grand Etang, N.S.
130045	<i>Gladius Irena</i>	Lambertburg	1912	Tancook, N.S.	29 0	9 5	4 6	9	6	1 se.	John M. McIntosh, Victoria, B.C.
133775	<i>Gladius K.M.</i>	Victoria	1913	Victoria, B.C.	55 2	16 8	8 2	30	29	3 se.	Albion C. Corkum, Chester, N.S.
136537	<i>Gladius M. Smith</i>	Lambertburg	1905	Malbone Bay, N.S.	70 4	17 7	8 9	41	39	2 se.	John H. Thornburn, M.O., Sand Point, N.S.
136917	<i>Gladius Thorburn</i>	Shelburne	1912	Shelburne, N.S.	73 0	24 6	5 5	21	149	5 pa.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
136756	Glebaner	Victoria	1899	Lake Bennett, B.C.	113 0	18 0	7 8	8	44	22 se.	Canadian Tugboat Co., Ltd., Vancouver, B.C.
136876	Gloefiel	New Westminster	1913	Vancouver, B.C.	73 4	18 0	7 8	58	44	22 se.	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
130615	Glen Allan	Ottawa	1912	Kingston, Ont.	112 8	26 4	8 5	37	113	20 se.	The Ottawa Fish Co., Ltd., Fort Stanley, Ont.
133796	Glen Eric	Port Stanley	1918	Port Stanley, Ont.	68 5	17 2	7 1	26	18	16 se.	The Ottawa Fish Co., Ltd., Fort Stanley, Ont.

*Formerly a sailing vessel. †Formerly a sailing vessel. ‡Formerly "Warkworth" and foreign name "Theodore Consil." §Formerly "D. C. Whitney." ¶Formerly "Clyde" and a sailing vessel. ††Formerly "Giant." †††Foreign name "Magellan."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint owners—propriétaires co-ajoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. Les noms des vaisseaux à moteurs sont en italiques.

Official No. N ^o officiel	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107758	12 Glen Isle.	Ottawa.	1900	Ottawa, Ont.	108 0	23 6	6 6	138	57	4 sc.	Rideau Canal Supply Co., Ltd., Ottawa, Ont.
129067	Glen Villa	Montreal.	1901	Gleatham, Ont.	36 1	8 1	3 2	8	5	2 sc.	Geo. Albert LeBaron, North Hatley, Que.
167508	Glenada	Toronto.	1903	Magnetawan, Ont.	69 0	12 4	4 3	63	44	10 sc.	Albert A. Ahear, Barcks Falls, Ont.
132910	Glenboro.	Vancouver.	1902	Vancouver, B.C.	64 0	17 3	8 6	71	50	13 sc.	Herman Wilbour and John H. Spvedie, Vancouver, B.C.
122256	Glenclah.	Hamilton.	1905	Danlee, G. B.	95 0	42 0	23 5	2,272	1,451	146 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
129059	Glenfinnan	Midland.	1892	Cleveland, Ohio, U.S.A.	92 0	43 2	19 5	2,706	1,473	105 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
135911	Glenfyle.	Midland.	1903	Londonderry, G. B.	50 0	12 2	17 4	1,389	1,057	57 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
133721	Gleniffer.	Vancouver.	1912	Hong Kong.	60 0	9 3	6 9	11	10	10 sc.	James P. Smith, et al., Vancouver, B.C.
135211	Glenish	Midland.	1903	Detroit, Mich., U.S.A.	100 0	50 0	21 3	4,578	3,401	106 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
134250	Glenlivet.	Midland.	1891	Cleveland, Ohio, U.S.A.	85 6	38 0	20 0	1,380	1,089	111 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
126060	Glenyon	Midland.	1893	West Bay City, Mich., U.S.A.	328 0	42 5	20 5	2,759	1,614	141 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
133533	Glenyavis	Midland.	1913	Londonderry, G. B.	250 0	42 5	17 4	1,686	1,055	96 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
135235	Glenmont.	St. Catharines.	1887	Wyandotte, Mich., U.S.A.	291 2	41 0	18 4	2,111	1,217	122 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
107941	Glenora.	Midland.	1902	Port Erie, Ont.	45 3	10 4	4 1	3,571	2,465	116 sc.	H. W. Saxton, Bayham, Ont.
138213	Glenorchy.	Midland.	1908	West Bay City, Mich.	380 0	50 2	21 0	3,671	2,465	146 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
134511	Glenosie	Kingston.	1902	Cleveland, Ohio, U.S.A.	150 0	54 9	26 3	3,789	180 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.	
.....	Glide.	Ottawa.	1886	Brockville, Ont.	74 2	13 2	8 1	78	57	4 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
83968	Glide.	Ottawa.	1881	Ottawa, Ont.	72 6	18 9	8 1	80	59	4 sc.	Wm. E. Lawlor, Hawkesbury, Ont.
126123	Glympse.	Kingston.	1908	Kingston, Ont.	38 2	8 6	3 7	9	6	8 sc.	Francis Stanton and Albert F. Stanton, J.O., Sparrow Lake, Ont.
122632	Go Now.	Kingston.	1904	Gananoque, Ont.	22 2	4 9	1 9	1	1	1 sc.	George H. Funnell, Gananoque, Ont.
141029	Golden Stream.	Vancouver.	1918	Vancouver, B.C.	75 8	9 8	4 1	11	7	13 sc.	George Gorry, Vancouver, B.C.
134252	Goldfield.	Winnipeg.	1912	Selkirk, Man.	45 4	13 9	6 0	56	38	13 sc.	Charles Finlay, Port Stanley, Ont.
134093	Goldias.	Vancouver.	1914	Vancouver, B.C.	37 0	10 3	4 7	15	9	1 sc.	Pacific Mills, Ltd., Vancouver, B.C.
75819	Gollab.	Halifax.	1863	Philadelphia, Pa., U.S.A.	88 4	18 4	4 2	147	100	200 sc.	Wm. McFarbridge, Halifax, N.S.
116457	Gollary.	Vancouver.	1903	Vancouver, B.C.	25 0	9 0	3 2	6	4	1 sc.	Thomas Paddon, Vancouver, B.C.
130257	Gooding.	Ottawa.	1901	Sturgeon Falls, Ont.	29 0	8 6	3 0	10	8	1 pa.	Albion Power & Paper Co., Ltd., Montreal, Que.
131308	Gopher.	Quebec.	1910	Garston, G. B.	100 3	23 1	12 0	198	4	89 sc.	Quebec Salvage & Wrecking Co., Ltd., Montreal, Que.
121916	Gorden.	Kenora.	1904	Port Frances, Ont.	28 0	6 5	3 5	7	3	3 sc.	James Harty, Port Frances, Ont.
91716	Gordon Brown.	Port Stanley.	1901	Port Stanley, Ont.	69 1	12 2	5 1	33	22	13 sc.	Dr. Geo. H. Jackson, et al., Union, Ont.
130269	Gordon Kelly.	Ottawa.	1904	Shenico, Ont.	37 0	10 6	5 0	16	10	2 pa.	George Gordon & Co., Ltd., Cache Bay, Ont.
133742	Gordon S.	Toronto.	1913	Perry Sound, Ont.	34 0	10 6	5 0	16	5	1 sc.	The Conger Lumber Co., Ltd., Toronto, Ont.
100499	Gorge.	Victoria.	1892	Victoria, B.C.	29 2	7 1	3 3	3	2	5 sc.	James L. Raymur, Victoria, B.C.

SESSIONAL PAPER No. 22

107944	Gossoon.....	St. Catharines.....	1888	38 6	10 2	3 2	15	6 sec.	Michael J. Hogan, Quebec, Que.
130631	Governor Carleton.....	Detroit, Mich., U.S.A.....	1907	140 0	39 3	12 0	549	52 sec.	The City of St. John, St. John, N.B.
129521	Gow Gauda.....	Saundershow, R.I., U.S.A.....	1907	46 4	11 2	4 2	25	6 sec.	The Montreal River Navigation Co., Ltd., Cobalt, Ont.
123432	Gowanda.....	Sturgeon Falls, Ont.....	1907	35 6	6 2	3 0	5	2 sec.	Norman Trotter, Little Current, Ont.
129124	Grace.....	Little Current, Ont.....	1907	57 4	12 5	6 0	25	6 sec.	Mrs. J. C. Cadway, Ottawa, Ont.
116714	Grace.....	Tanook, N.S.....	1899	29 3	7 6	3 2	4	1 sec.	Robert Rowley, Lake Edward, Que.
138746	Grace & Roby.....	Quebec, Que.....	1918	98 7	23 0	3 3	63	2 1/2 sec.	Walter D. Sweeney, M.O., Yarmouth, N.S.
111918	Grace Holland.....	Yarmouth, N.S.....	1901	27 0	6 0	2 0	3	1 sec.	Wm. E. Bigwood, Toronto, Ont.
133964	Grace L.....	Peterborough, Ont.....	1914	52 0	12 3	6 3	19	3 sec.	Ralph E. Welch, Westport, N.S.
121703	Grace M.....	Gravenhurst, Ont.....	1905	68 5	14 0	5 1	61	10 sec.	C. Mickle, Gravenhurst, Ont., N. Dymont and S. Dymont, Barrie, Ont.
116366	Gracie.....	Goderich, Ont.....	1904	72 5	15 1	6 8	41	13 sec.	John Maloney, Port Arthur, Ont.
116696	Gracie B.....	Keewatin, Ont.....	1904	41 0	9 0	5 0	20	1 sec.	Camp Bay Gold Mining Co., Ltd., Kenora, Ont.
138488	Gracie.....	Gir Harbour, Wash., U.S.A.....	1913	59 0	14 3	6 6	33	25 sec.	Packers Steamship Co., Ltd., Vancouver, B.C.
134965	Grand Grever.....	Vancouver, B.C.....	1915	44 0	11 3	3 9	19	2 sec.	Northern B. C. Fisheries Ltd., Vancouver, B.C.
129506	Grand Grainer.....	Victoria, B.C.....	1909	100 5	23 0	8 0	144	18 sec.	Baileer Freighting & Towing Co., Ltd., Victoria, B.C.
139245	Grand Maman.....	Liverpool, N.S.....	1911	130 0	26 3	11 0	363	32 sec.	The Grand Maman Steamboat Co., Ltd., Grand Maman, N.B.
112308	Grand Rapids.....	Selkirk, Man.....	1905	121 5	26 4	7 8	438	23 sec.	Manitoba Transport Co., Ltd., Winnipeg, Man.
126153	Grande Ligne.....	Montreal, Que.....	1907	67 3	18 1	8 3	70	24 sec.	Frank J. Allard, Carleton, Co. of Bonaventure, Que.
134251	Granite Rock.....	Winnipeg, Man.....	1913	110 9	20 2	10 2	39	42 sec.	Lako Winnipeg Shipping Co., Ltd., Winnipeg, Man.
122587	Gravel King.....	Shedburn, N.S.....	1909	90 0	22 0	9 0	140	25 sec.	The Valley Steamship Co., Ltd., Granville Ferry, N.S.
112105	Gravel King.....	Charlottetown, Ont.....	1911	84 0	20 5	5 0	120	41 sec.	William A. Hadley, Chatham, Ont.
112172	Gravenhurst.....	Muskoka, Ont.....	1902	52 0	10 6	4 5	29	8 sec.	Albert A. Agar, Port K's Falls, Ont.
124922	Gray Lady.....	Vancouver, B.C.....	1909	38 3	10 4	4 4	20	13 sec.	Northern Pacific Logging Co., Ltd., Vancouver, B.C.
111846	Gray Lodge.....	Lezerville, N.B.....	1912	77 2	25 3	7 4	99	12 sec.	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
90746	Gray Line.....	St. John, N.S.....	1885	41 6	16 0	4 9	21	11 sec.	Saundershow, Gt. Bay, N.S.
80576	Great Western.....	Windsor, Ont.....	1866	229 0	40 2	13 0	1,080	700 pt.	Grand Trunk Railway Co., Montreal, Que.
116382	Great Western.....	Sarnia, Ont.....	1904	38 0	9 0	4 0	9	3 sec.	Charles McKay, Rosport, Ont.
107936	Greenwood.....	New Westminster, B.C.....	1900	44 0	12 4	3 6	23	2 sec.	Henry Emoris, Vancouver, B.C.
134547	Greenville.....	Toronto, Ont.....	1915	155 0	30 9	10 9	497	75 sec.	The Minister of Marine and Fisheries, Ottawa, Ont.
124431	Gretna.....	Vancouver, B.C.....	1909	36 9	7 5	3 4	9	3 sec.	Geo. W. Davis and W. H. Noel, Port Essington, B.C.
94938	Gryphon.....	Lindsay, Ont.....	1894	59 6	10 9	3 0	37	25 sec.	Edward Elliot, M.O., Lindsay, Ont.
131116	Gryphon.....	Standsjord, Norway.....	1907	18 7	10 2	4 0	78	43 sec.	The Minister of the Naval Service, Ottawa, Ont.
136620	Grier Starrat.....	Gir Harbour, Wash., U.S.A.....	1912	52 7	16 4	6 0	36	3 sec.	Canadian Fish & Cold Storage Co., Ltd., Vancouver, B.C.
134549	Grisee.....	Glasgow, G.B.....	1912	345 0	18 3	9 2	287	157	The Minister of the Naval Service, Ottawa, Ont.
138062	Grono Bay.....	Stevenson, B.C.....	1914	36 0	8 7	4 7	13	1 sec.	John Kevatsky, Kamloil, B.C.
130776	Grosbeck.....	Hastings, Ont.....	1911	39 2	11 7	3 7	10	2 sec.	The Randolph Macdonald Co., Ltd., Toronto, Ont.
130855	Gryphon.....	U.S.A.....	1912	92 3	18 0	6 8	110	75	Vancouver & San Diego Navigation Co., Ltd., Vancouver, B.C.
138542	Gryphon.....	Tanook, N.S.....	1917	40 2	10 3	5 3	11	1 1/2 sec.	Charles Schmare, M. O., Pennant, N.S.
130499	Guanabara.....	Seaton, Glasgow, G.B.....	1893	137 0	20 5	13 6	262	106	The Minister of Marine and Fisheries, Ottawa, Ont.
130771	Guanabara.....	U.S.A.....	1906	61 0	12 7	5 1	27	18	The Minister of Public Works, Ottawa, Ont.
130757	Gunthid.....	U.S.A.....	1906	61 0	12 7	5 1	27	18	The Minister of Public Works, Ottawa, Ont.
125603	Gunnar.....	Sunderland, G.B.....	1907	345 0	44 2	24 8	3,657	443 sec.	Canada Steamship Lines, Ltd., Montreal, Que.
138062	Gulfport.....	Stevenson, B.C.....	1914	40 0	9 0	4 2	11	1 sec.	Yoshio Mukai, Stevenson, B.C.
138852	Guanadalupe.....	Seattle, Wash., U.S.A.....	1904	32 0	9 2	4 0	7	1 sec.	Charles C. Carter, Vancouver, B.C.
124919	Guanadalupe.....	Alpharetta, Rhine, Holland.....	1902	85 4	18 1	9 1	119	3	Dominion Dredging Co., Ltd., Ottawa, Ont.
112189	Gypsy.....	Toronto, Ont.....	1902	39 0	8 0	3 0	11	3 sec.	The Collins Inlet Lumber Co., Ltd., Toronto, Ont.
117125	Gypsy.....	Vancouver, B.C.....	1905	46 2	12 5	5 3	27	18	B.C. Mills Tur & Barre Co., Ltd., Vancouver, B.C.
121335	Gypsy.....	Vancouver, B.C.....	1905	48 0	10 0	2 2	1	1 1/2 sec.	Ernest Easthope, Vancouver, B.C.
121359	Gypsy Queen.....	Vancouver, B.C.....	1907	21 4	6 1	3 1	2	1 1/2 sec.	Joseph E. Bird, Vancouver, B.C.
134305	H. A.....	Stevenson, B.C.....	1913	33 0	7 6	3 3	6	4	Harbour Commissioners of Montreal, Montreal, Que.
130106	H. C. M. No. 1.....	Montreal, Que.....	1898	81 0	24 0	8 2	135	72	Henry Caron, Commissioners of Montreal, Montreal, Que.
111111	H. C. M. No. 2.....	Montreal, Que.....	1894	86 5	24 8	8 8	177	107	William J. Finn, Montreal, Que.
130106	H. C. M. No. 2.....	Montreal, Que.....	1894	86 5	24 8	8 8	177	107	William J. Finn, Montreal, Que.

¹Formerly "Mikado." ²Formerly a sailing vessel. ³Formerly "Margaret."
⁴Foreign name "Mermald." ⁵Formerly "Edrie." ⁶Formerly "Omega."
⁷Foreign name "Minnchukits." ⁸Foreign name "Howard M. Hanna Jr."
⁹Foreign name "A. E. Stewart." ¹⁰Foreign name "Minnetonka."
¹¹Formerly "Wahatani."
¹²Formerly "Wahatani."
¹³Formerly "Wahatani."
¹⁴Foreign name "Minnetonka."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vaisseaux à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130408	H. C. M. No. 6	Montreal	1873	Montreal, Que.	84 0	24 0	7 7	168	103	6 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130409	H. C. M. No. 7	Montreal	1872	Montreal, Que.	83 5	23 8	8 0	173	108	5 sc...	Wolf Ziff, Montreal, Que.
130410	H. C. M. No. 9	Montreal	1873	Montreal, Que.	92 0	24 0	7 7	170	105	6 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130411	H. C. M. No. 10	Montreal	1875	Montreal, Que.	84 0	25 0	8 5	172	117	6 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130412	H. C. M. No. 11	Montreal	1881	Montreal, Que.	86 2	25 8	9 1	190	119	6 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130413	H. C. M. No. 14	Montreal	1899	Montreal, Que.	85 5	27 6	7 7	205	125	8 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130414	H. C. M. No. 15	Montreal	1899	Montreal, Que.	85 5	27 6	7 7	205	125	8 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130415	H. C. M. No. 16	Montreal	1904	Montreal, Que.	84 5	27 5	8 4	210	129	8 sc...	Harbour Commissioners of Montreal, Montreal, Que.
130416	H. C. M. No. 17	Montreal	1904	Montreal, Que.	84 5	27 5	8 4	210	129	8 sc...	Harbour Commissioners of Montreal, Montreal, Que.
133000	H. M. F.	New Westminster	1908	Montreal, Que.	29 6	8 6	2 7	5	4	2 sc...	Howard M. Frazer, Crescent, B.C.
133001	H. O. G.	New Westminster	1906	Surrey, B.C.	29 6	9 0	3 7	6	4	2 sc...	Cyril H. Green and Frank Hatt, J.O., Elgin, B.C.
133003	H. Fors.	Port Arthur	1915	Ressport, Ont.	71 0	15 5	5 0	38	21	8 sc...	Walter Inkster, Collingwood, Ont. and Robt. S. Misener, Sault Ste. Marie, Ont., J.O.
75686	H. C. Curtis	Prescott	1878	Quebec, Que.	52 4	13 8	5 6	36	25	40 sc...	W. H. Davis, Ottawa, Ont.
137098	H. F. Branson	Montreal	1870	Montreal, Que.	91 8	18 0	7 1	137	70	28 sc...	Montreal Transportation Co., Ltd., Montreal, Que.
137428	H. L. Frielet	Charlottetown, N.B.	1915	Carsquest, N.B.	36 0	12 0	4 7	12	11	1 sc...	H. L. Frielet, Caraquet, N.B.
117063	H. L. Hurdman	Ottawa	1902	Ottawa, Ont.	36 0	8 7	3 0	4	4	3 sc...	J. F. Hurdman, Ottawa, Ont.
137982	H. N. Jex	Kingston	1868	Cleveland, O., U.S.A.	170 2	26 5	10 3	441	231	59 sc...	John F. Sowards, Kingston, Ont.
131068	H. Mason	Lunenburg	1911	Lunenburg, N.S.	41 0	10 4	5 2	10	10	3 sc...	Hudson Mason, M.O., Eastern Point, N.S.
137096	H. Poirer	Antigonish, N.S.	1916	Poirer, N.S.	30 0	10 3	5 7	11	11	3 sc...	Isidore Poirer, Poirer, N.S.
109032	H. Trudel	Ottawa	1890	Simcoe, Ont.	35 0	16 0	3 3	13	6	20 pa.	R. A. Kloek, et al., Kloek's Mills, Ont.
131017	H. H.	Quebec	1913	Isle St. Louis, Que.	51 2	15 0	6 0	33	23	16 sc...	Joseph Pagé, Aboussé, Que.
138424	H. H.	Pasadena	1918	Pasadena, Que.	45 0	10 3	3 3	13	9	11 sc...	Robin Jones & Whitman, Ltd., Halifax, N.S.
116764	Haddington	Toronto	1904	Toronto, Ont.	256 0	42 6	15 0	1,003	1,010	87 sc...	Canada Steamship Lines, Ltd., Montreal, Que.
138739	Haidel	New Westminster	1918	New Westminster, B.C.	23 6	8 6	3 8	6	6	2 sc...	Carl Galbraen New Westminster, B.C.
121712	Haidel	Vancouver	1906	Vancouver, B.C.	34 3	10 8	5 0	14	9	2 sc...	Charles B. Stahlshmidt, Vancouver, B.C.
133992	Haidel	Collingwood	1917	Tancook, N.S.	45 4	11 0	5 6	15	14	3 sc...	Collins Heister, M.O., Tancook, N.S.
94686	Haidel	Collingwood	1889	Collingwood, Ont.	51 0	9 0	3 8	8	5	3 sc...	Herbert Hailstone, Carling, Ont.
121701	Haidel II	Toronto	1905	Mimico, Ont.	40 0	8 7	3 0	11	7	4 sc...	Sir John A. Boyd, Toronto, Ont.
116470	Haidel III	Vancouver	1905	Vancouver, B.C.	32 2	8 0	3 5	4	3	2 sc...	R. A. Simons, Vancouver, B.C.
140928	Haidel IV	Ottawa	1905	Kemptville, Ont.	42 0	8 4	3 6	12	8	3 sc...	Star G. Easton and Frank Liebenthal, Palmer Rapids, Ont.
128891	Haidel V	Vancouver	1909	Vancouver, B.C.	38 6	9 5	4 8	13	9	21 sc...	Michael Pappas, Vancouver, B.C.
120500	Haidel VI	Halifax	1911	Old Kilmorie, G.B.	125 1	48 1	12 5	595	268	14 sc...	The Dartmouth Ferry Commission, Dartmouth, N.S.
96715	Haidel VII	Ottawa	1889	Montreal, Que.	102 8	23 5	7 4	247	130	50 sc...	The Ottawa Transportation Co., Ltd., Ottawa, Ont.

SESSIONAL PAPER No. 22

122031	Hattie.....	Kingston.....	1906	Kingston, Ont.	25 8	6 0	2 2	2	1 sc...	Samuel Anglin, Kingston, Ont.
134844	Hadana.....	Steveston, B.C.	1917	Steveston, B.C.	49 6	11 4	5 2	30	2 sc...	M. Kurahashi and T. Nakata, Steveston, B.C.
107241	Italys.....	Washington Territory, U.S.A.	1888	Washington Territory, U.S.A.	40 6	11 0	4 0	44	2 sc...	W. W. West, Kootenay, B.C.
134464	Hamborn.....	Haliifax.....	1910	Hoboken, Holland.	229 1	35 8	14 9	1,229	106 sc...	The Government of the Dominion of Canada, Ottawa, Ont.
103842	Hamilton.....	Ottawa.....	1896	Sand Point, Ont.	131 4	39 5	3 6	320	75 pa...	The Upper Ottawa Improvement Co., Ltd., Ottawa.
107466	Hamilton H.....	Lindsay.....	1894	Simcoe, Ont.	36 5	10 4	3 6	22	20 pa...	George Gooderham, M.O., Toronto, Ont.
107144	Hamin.....	Vancouver.....	1898	Vancouver, B.C.	146 2	30 8	4 6	515	17 pa...	Defiance Packing Co., Ltd., Vancouver, B.C.
122553	Hamonie C.....	Collingwood.....	1909	Collingwood, Ont.	349 7	50 0	2 4	3,295	384 sc...	Canada Steamship Lines, Ltd., Montreal, Que.
121834	Hampton.....	St. John, N.B.	1905	Hampton, N.B.	100 1	21 3	5 3	153	34 pa...	Perey B. Belyea, St. John, N.B.
122614	Hanaco.....	Prince Rupert.....	1914	Naas River, B.C.	40 2	11 4	4 5	14	3 sc...	Nabukichi Hamada, Claxton, B.C.
131184	Handy Boy.....	Peterborough.....	1914	Peterborough, Ont.	34 0	12 8	5 2	13	4 sc...	Peterborough Canoe Co., Ltd., Peterborough, Ont.
107348	Hardinger.....	Amherst, N.S.	1901	Sheburne, N.S.	97 0	20 0	8 4	109	16 sc...	Maritime Steamship Co., Ltd., Black's Harbour, N.B.
117075	Hardy.....	Toronto.....	1896	Simcoe, Ont.	37 0	10 0	4 0	28	2 sc...	W. E. Rigwood, Toronto, Ont.
137113	Hardy Bay.....	Vancouver.....	1910	Vancouver, B.C.	26 5	6 0	3 5	3	—	Hermann Browning, Vancouver, B.C.
122580	Harold.....	Charlottetown.....	1908	Vancouver, B.C.	113 0	27 0	6 7	352	35 sc...	Wm. McClure, Pictou, N.S.
130304	Haro.....	Vancouver.....	1910	Vancouver, B.C.	106 1	25 0	12 4	233	33 sc...	B.C. Mills Tug and Barge Co., Ltd., Vancouver, B.C.
138604	Harold.....	New Westminster.....	1917	Vancouver, B.C.	50 0	12 7	5 3	27	1 sc...	Yoshimatsu Arai, Steveston, B.C.
103444	Harold.....	Ottawa.....	1887	Armipor, Ont.	17 0	4 5	1 8	1	2 sc...	Samuel Sunstrum, Jr., Golden Lake, Ont.
116719	Harold.....	Quebec.....	1905	St. Laurent, Que.	31 4	9 4	3 2	6	1 sc...	Hon. Richard Turner, Quebec, Que.
90857	Harold B. Phillips.....	Sarnia.....	1880	Lorraine, Wis., U.S.A.	59 0	16 0	8 0	67	34 sc...	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
129531	Harold Dollar C.....	Vancouver.....	1910	Dumbarton, G.B.	376 5	52 2	25 5	4,377	306 sc...	Dollar Steamship Lines, Limited, Vancouver, B.C.
94845	Harold Gauthier.....	Windsor, Ont.	1888	Walkerville, Ont.	36 0	9 0	4 2	9	2 sc...	O. E. Fleming, Windsor, Ont.
138751	Harrist E.....	Victoria.....	1917	Seattle, Wash., U.S.A.	75 0	18 0	8 5	68	7 sc...	Shook Harbour Fishing and Packing Co., Ltd., Victoria, B.C.
129653	Harrison O.....	Owen Sound.....	1909	Owen Sound, Ont.	129 0	28 2	10 6	222	46 sc...	John Harrison & Sons, Co., Ltd., Owen Sound, Ont.
126553	Harrison P. Incess.....	Vancouver.....	1909	Vancouver, B.C.	22 5	6 0	2 7	3	3 sc...	The Harrison Hot Springs Co., Ltd., Harrison Hot Springs, B.C.
126547	Harrison Queen.....	Vancouver.....	1909	Vancouver, B.C.	28 3	8 2	3 5	5	3 1 sc...	Geo. H. Deighton, Myrtle Point, B.C.
134298	Harry A.....	Midland.....	1914	Midland, Ont.	31 5	11 3	3 8	11	2 sc...	Joseph M. Syer, Midland, Ont.
90792	Harry Baird.....	Goderich.....	1885	Kincardine, Ont.	61 0	17 0	6 0	42	25 sc...	Jas. Leighton, Port Elgin, Ont.
133261	Harry L.....	Digby.....	1913	Comesauville, N.S.	44 0	11 3	5 2	19	1 sc...	Whale Cove Trading Company, Ltd., Digby, N.S.
138290	Harry P.....	Lauenburg.....	1916	Tancook, N.S.	41 4	10 7	5 6	12	1 sc...	Harry Publicover, Blanford, N.S.
130918	Harry S.....	Vancouver.....	1897	Seattle, Wash., U.S.A.	44 1	14 0	5 7	20	8 sc...	Ambrase P. Allison and Thos. L. McKee, Green Point Rapids, B.C., I.O.
116454	Harvey.....	Wallaceburg.....	1904	Wilkesport, Ont.	36 0	10 7	4 6	7	2 sc...	Harvey Arnold, Wilkesport, Ont.
133754	Harvey & Radph.....	St. Andrews.....	1913	Sheburne, N.S.	57 5	14 9	6 6	35	24 sc...	Irvin Inguils, Grand Maun, N.B.
130372	Harwood.....	Peterboro.....	1909	Peterboro, Ont.	36 0	9 0	3 4	23	15 sc...	The Minister of Railways and Canals, Ottawa, Ont.
120560	Hattie Ball.....	Peterboro.....	1907	Bridgenorth, Ont.	40 1	8 0	3 0	8	5 sc...	Mrs. Hattie Bell, et al., Bridgenorth, Ont.
121955	Hattie Berry.....	Port Stanley.....	1908	Collingwood, Ont.	66 0	15 0	7 3	42	10 sc...	William Berry, Port Stanley, Ont.
130345	Hattie J.....	Charlottetown.....	1894	New Haven, Conn., U.S.A.	38 0	15 2	3 9	19	15 sc...	Wm. H. Atken, M.O., Charlottetown, P.E.I.
130242	Hattie M.....	Liverpool.....	1907	Fall Riv., Mass., U.S.A.	27 7	10 4	5 6	9	8 sc...	Arthur G. Pentz, Beachmeadows, N.S.
134294	Haugusa.....	New Westminster.....	1914	Steveston, B.C.	37 0	9 0	4 2	10	7 sc...	Tonekichi Sakai, Steveston, B.C.
130857	Haugport I.....	Vancouver.....	1912	Vancouver, B.C.	59 0	16 2	8 2	50	34 sc...	Deep C. Fisheries, Ltd., Prince Rupert, B.C.
134127	Haugport No. 2.....	New Westminster.....	1906	Seattle, Wash., U.S.A.	64 5	17 4	8 4	40	21 sc...	Deep C. Fisheries, Ltd., Prince Rupert, B.C.
100623	Hazard.....	Port Doyser.....	1892	Simcoe, Ont.	62 7	11 7	6 7	31	23 sc...	E. Harris, Port Doyser, Ont.
121755	Hazel.....	Vancouver.....	1906	Vancouver, B.C.	29 0	5 3	2 5	2	1 sc...	Ernest S. Wilbrand, Vancouver, B.C.
117101	Hazel B.....	Ottawa.....	1904	North Bay, Ont.	65 0	17 1	6 6	40	25 sc...	Wm. T. Windsor, Callender, Ont.
132945	Hazel G.....	Ottawa.....	1912	Val des Bois, Que.	45 2	11 4	4 4	19	13 sc...	Mrs. Robert R. Lee, St. John, N.B.
129445	Hazel H.....	St. Andrews.....	1904	Grand Maun, N.B.	35 0	11 3	5 0	10	7 sc...	Henry Fougere, Penhaouan, N.S.
117091	Hazel Maud.....	Arichat.....	1905	Liscomb, N.S.	35 0	11 3	5 6	10	1 sc...	William MacEate, Bonshaw, P.E.I.
134205	Hazel Ruth.....	Charlottetown.....	1904	Bonshaw, P.E.I.	40 9	13 0	3 4	16	11 sc...	The Union Fish Co., Ltd., Little Harbour, N.S.
126686	Hazel S.....	Sheburne.....	1910	Allendale, N.S.	39 6	11 4	4 7	12	8 sc...	The Union Fish Co., Ltd., Little Harbour, N.S.
112067	Hazitt.....	Peterborough.....	1902	Simcoe, Ont.	41 6	10 3	3 9	24	23 pa...	The Deakson Co., Ltd., Peterborough, Ont.

*Formerly "Roosevelt."

†Formerly a sailing vessel.

‡Formerly "Strathardle."

§Formerly "Mineta."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations.—*U.*, Joint owners—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Paddle—à aubes; *Sc.*, Screw—à hélice.
 © Equipped with Wireless. Muni de la T.S.F. Names of Motor Vessels in *italics*. Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construction	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
85492	Heather Belle	Collingwood	1882	Menford, Ont.	50 0	12 6	5 8	20	13	20 sc.	W. S. Richmond, Parry Sound, Ont.
12181	Heather Belle	Toronto	1902	Harrison, N.J., U.S.A.	55 3	7 1	3 2	9	3	12 sc.	Stacey E. McKinnon, Toronto, Ont.
07613	Hebron	Montreal	1899	Ottawa, Ont.	67 2	24 2	8 2	194	125	1 sc.	at Traverse de Laclaire Limited, Laclaire, Que.
138113	Hecla	Winnipeg, N.S.	1908	Toronto, Ont.	42 3	4 2	4 3	19	13	2 sc.	The Minister of Public Works, Ottawa, Ont.
12381	Heclanooog	Montreal	1902	U.S.A.	30 0	7 0	2 7	6	3	12 sc.	Dr. Horace Hindress, North Sydney, N.S.
03902	Heclor	St. Catharines	1893	Sorel, Que.	53 0	15 8	5 7	21	14	13 sc.	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
12951	Heclor	New Westminster	1915	Port Colborne, Ont.	67 5	16 6	9 9	96	49	13 sc.	Michael J. Hogan, Montreal, Que.
134577	Heclor	New Westminster	1915	Pitt River, B.C.	43 0	11 0	5 3	25	17	3 sc.	The Vancouver Dredging and Salvage Co., Ltd., Vancouver, B.C.
123476	Helan	Ottawa	1903	Midland, Ont.	25 4	6 1	3 0	6	1	1 sc.	R. C. Argue and Frederic McLaughlin, Latchford, Ont.
123977	Helan	Toronto	1906	Hamilton, Ont.	25 5	6 2	2 7	6	2	3 sc.	Henry Louis Bastien, Hamilton, Ont.
126163	Helen Anita	Port Arthur	1909	Kingston, Ont.	42 8	3 1	4 4	19	9	1 sc.	John W. Stewart, Madison, Ont.
130894	Helen F.	Victoria	1910	Seattle, Wash., U.S.A.	32 0	9 3	3 5	8	4	1 sc.	Edward J. J. Cross, Victoria, B.C.
131094	Helen G. McLean	Shelburne	1913	Shelburne, N.S.	64 0	17 7	7 7	37	33	3 sc.	Fred C. McLean, M.O., Port Saxon, N.S.
119228	Helen Glasgow	St. John, N.B.	{1913 1917}	St. John, N.B.	41 2	4 9	17	11	6	6 sc.	The St. John River Log Driving Co., Devon, N.B.
134400	Helen M. Coolan	Lancaster	1914	Malone Bay, N.S.	97 6	25 0	10 0	118	77	5 sc.	William Duff, Lunenburg, N.S.
134543	Helen R.	Ottawa	1915	North Bay, Ont.	38 4	10 0	3 3	11	7	3 sc.	Thomas Reynolds, North Bay, Ont.
121914	Helen S.	Kenora	1906	Kenora, Ont.	38 0	8 0	4 0	13	9	1 sc.	John William Short, Kenora, Ont.
107685	Helen S.	Toronto	1899	Collin's Inlet, Ont.	80 0	16 2	9 5	86	58	17 sc.	The Collins Inlet Lumber Co., Ltd., Toronto, Ont.
122289	Helen and Hilda	Shelburne	1908	Shelburne, N.S.	31 0	13 5	6 3	16	12	1 sc.	Maximin Felix Boudreau, Inverman, N.B.
133678	Helen Viola	Halifax	1914	Tancook, N.S.	42 8	11 6	6 7	14	13	3 sc.	Isaac Gray and Howard J. Gray, Sambro, N.S.
122129	Helen	St. John, N.B.	1906	Halifax, N.S.	39 0	9 0	4 8	13	9	3 sc.	George E. Francklyn, Jr., Halifax, N.S.
133758	Helena	Toronto	1907	Collingwood, Ont.	108 8	23 3	14 0	269	204	81 sc.	The Minister of Public Works, Ottawa, Ont.
122978	Helena	Montreal	1906	Hamilton, Ont.	25 5	6 2	2 7	3	2	1 sc.	Henry Louis Bastien, Hamilton, Ont.
131114	Henri R.	Chatham, N.B.	1886	Beaver Point, N.B.	78 3	25 1	5 7	101	63	41 sc.	Alexander McKay, Quebec, Que.
92414	Henrietta	New Westminster	1891	Seattle, Wash., U.S.A.	41 3	13 0	3 7	19	13	8 sc.	George Dutch, Beaver Point, N.B.
100685	Henrietta	Toronto	1891	Collingwood, Ont.	39 0	8 0	4 5	7	5	2 sc.	P. Geopelle, Tappan Siding, B.C.
134400 ²	Henrietta Stewart	Montreal	1915	Collingwood, Ont.	56 0	14 5	6 9	53	32	6 sc.	Canadian Stewart Co., Ltd., Toronto, Ont.
138094	Henry B. Hall	Liverpool	1881	Detroit, Mich., U.S.A.	229 0	55 0	17 6	1,190	68	95 sc.	Fairhaven Transportation and Coal Co., Ltd., Montreal, Que.
122926	Henry D. Davis	Port Stanley	1907	Liverpool, N.S.	57 3	18 1	7 6	30	29	2 sc.	John C. Douglas, Glace Bay, N.S.
133793	Henry F. Jelly	Owen Sound	1915	Port Stanley, Ont.	59 0	16 5	6 8	31	21	9 sc.	Nathan Smith Cornell, Port Stanley, Ont.
129058	Henry Pedwell	Owen Sound	1909	Leon's Head, Ont.	90 0	19 6	9 6	186	127	22 sc.	Helen Truckberry, Lions Head, Ont.
129057	Henry	Vancouver	1908	Owen Sound, Ont.	24 5	7 1	3 2	5	3	3 sc.	Alexander McCallum, Vancouver, B.C.

SESSIONAL PAPER No. 22

No.	Name	Home Port	Tonnage	Registered	Net	Length	Breadth	Depth	Speed	Engine	Remarks
126261	Herbert M.	Toronto.		12	1	4	3	44	27	6	Chas. Mickle, Gravenhurst, Ont.
116807	Hercules	Montreal.	58 0	15	1	7	5	45	28	16	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
129473	Hercules	Ottawa.	39 0	8	6	3	0	15	10	1	Maurice Bernard, Astorville, Ont.
120618	Hercules	Ottawa.	50 0	16	0	4	3	30	19	2	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
129217	Hercules	Toronto.	100 0	23	1	11	6	231	137	67	The Minister of Public Works, Ottawa, Ont.
107105	Hercules	Victoria.	79 5	23	1	5	9	65	44	17	Forest Mills of British Columbia, Ltd., Revelstoke, B.C.
128697	Hermosa	Toronto.	37 8	13	4	5	2	26	18	9	Gulf Islands Fishing & Canning Co., Ltd., Vancouver, B.C.
129483	Hero	Quebec.	54 3	15	6	5	7	32	22	6	Geo. A. Melosh, Halifax, N.S.
16175	Hero	St. John, N.B.	92 2	21	3	6	2	128	81	50	The St. John River Log Driving Co., Devon, N.B.
123681	Hero No. 1	New Westminster.	50 4	11	3	6	2	31	15	13	Pacific Mills, Ltd., Vancouver, B.C.
134193	Heron II	New Westminster.	26 5	8	6	4	2	23	16	9	The Minister of Marine and Fisheries, Ottawa, Ont.
107420	Hesperia	Vancouver.	56 5	11	3	7	2	42	29	11	John Debris, and Olf Hansar, Prince Rupert, B.C.
110366	Hewatha	St. Catharines.	47 0	15	7	8	4	42	29	11	R. Kameski, Oshawa, Ont.
103801	Hewatha	London, N.S.	48 6	16	4	0	2	22	14	12	T. R. Powell and J. R. Christie, Fisher's Grant, N.S.
72982	Hewatha	Petrol, N.S.	51 3	11	6	3	4	49	31	8	St. John's Tug & Trust Co., Ltd., Sarnia, Ont.
10750	Hewatha	Sarnia.	92 7	20	0	7	6	163	111	150	Royal Canadian Yacht Club, Toronto, Ont.
191708	Hewatha	Toronto.	55 0	13	6	3	7	46	31	8	The J. Foster, Crouleau, and A. Crocher, J.O., Port Carling, Ont.
191708	Hewatha	Toronto.	49 0	13	6	3	7	27	18	2	T. R. Crouleau, and A. Crocher, J.O., Port Carling, Ont.
121721	Hewatha	Vancouver.	30 0	7	5	3	5	3	36	2	M. P. Barnum, Vancouver, B.C.
88214	Hewatha	Windsor, N.S.	122 3	21	3	8	3	220	117	225	J. A. Farnham, Halifax, N.S.
88508	High Rock (The)	Kingston, N.S.	41 6	10	3	0	8	15	15	15	Thomas Wilson, Moncton, Que.
107408	Highland Belle	Ottawa.	75 0	16	8	5	2	50	31	3	The Lake Nipissing Shipping & Transportation Co., Ltd., Toronto, Ont.
80856	Highland Mary	Halifax.	68 8	22	0	7	0	74	40	18	The Halifax Dredging Co., Ltd., Halifax, N.S.
138081	Hilda	Barrington Passage.	42 8	12	2	5	0	19	15	1	Wm. S. Day, Halifax, N.S.
134580	Hilda	New Westminster.	32 3	8	4	3	7	33	22	3	Corbelle Shumino, Dawson, Camery, B.C.
110783	Hilda	Vancouver.	58 9	12	4	6	3	33	22	3	S. K. Cheung and Wm. W. White, Vancouver, B.C.
122589	Hilda Brannon	Liverpool.	29 2	12	9	4	9	10	10	3	Merrill F., and Boatman H. Pentz, J.O., Level Meadows, N.S.
122426	Hilford	Halifax.	61 5	12	9	6	5	38	26	3	The J. Foster, Crouleau, and A. Crocher, J.O., Port Carling, Ont.
97079	Hillsborough	Charlottetown.	105 0	25	0	8	4	229	75	30	The Government of Prince Edward Island, Charlottetown, P. E. I.
130252	Hilma	Windsor, N.S.	55 6	14	0	6	0	31	21	13	Wm. H. McKinlay, Mount Denson, N.S.
134437	Hina II	Vancouver.	46 4	13	5	4	3	11	8	1	George Torrie, Vancouver, B.C.
134165	Hippolyta II	Yarmouth.	54 0	12	0	4	0	15	11	1	Charles J. Hanley, Yarmouth, N.S.
126530	Hiram Robinson	Ottawa.	110 0	25	0	6	0	203	118	37	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
129735	Hirata	Vancouver, B.C.	37 0	8	8	3	9	8	10	7	Yonkeldi Nakameli, Stieveston, B.C.
124307	Hitar	New Westminster.	35 0	8	7	8	4	8	5	3	Antonie Tilan, Port Guelion, B.C.
140603	Hiva	Vancouver, B.C.	37 9	13	7	5	2	36	19	5	Gussie Millard Packing Co., Ltd., Vancouver, B.C.
126346	Hobo	Barrington Passage.	35 0	12	4	2	6	12	12	6	Philip T. Smith, Canso, N.S.
132818	Hochelaga	Montreal.	192 3	52	0	27	6	1,681	2,601	490	Hochelaga Steamship Company, Ltd., Halifax, N.S.
138074	Hochelaga	Ottawa.	375 2	67	0	14	8	628	427	110	The Minister of the Naval Services, Ottawa, Ont.
102730	Hocking	Halifax.	304 0	34	0	20	7	2,534	1,632	240	The Government of the Dominion of Canada, Ottawa, Ont.
121717	Hokushimaru	Vancouver.	34 5	13	3	8	19	13	13	1	Joseph W. Chappell, Vancouver, B.C.
117077	Holland & Graves, No. 3.	Toronto.	41 0	10	4	0	30	19	2	2	W. E. Bigwood, Toronto, Ont.
117076	Holland & Graves, No. 4.	Toronto.	41 0	10	4	0	30	19	2	2	W. E. Bigwood, Toronto, Ont.
130684	Hollo	Famenburg.	42 8	10	1	5	5	12	11	3	J. Ernst & Son, Ltd., Mahone Bay, N.S.
130547	Holly Leaf	Vancouver.	56 6	14	2	5	1	24	17	3	H. Bell-Irving Co., Ltd., Vancouver, B.C.
35994	Holly Bank	Vancouver.	26 0	7	0	3	3	3	1	2	Mrs. Margaret McIntosh, Vancouver, B.C.
97001	Home Rule	St. Catharines.	74 9	17	0	9	4	81	45	50	Canada Steamship Lines, Ltd., Montreal, Que.
135212	Home Smith	Midland.	346 0	48	0	21	0	3,495	2,525	151	The Algoma Central & Hudson Bay Railway Co., Sault Ste. Marie, Ont.
130222	Homer Warren	Owen Sound.	180 0	28	0	9	0	447	304	73	The Peninsula Tug & Towing Co., Ltd., Wiarton, Ont.
124155	Homespun	Vancouver.	46 0	10	4	5	17	10	10	1	George H. Jackson, Quatsino, B.C.
111496	Homfear	Quebec.	38 5	10	2	4	9	19	13	3	Charles Potvin, St. Jerome, Que.
130222	Homfear	Quebec.	38 5	10	2	4	9	19	13	3	Charles Potvin, St. Jerome, Que.
130222	Homfear	Quebec.	38 5	10	2	4	9	19	13	3	Charles Potvin, St. Jerome, Que.
130222	Homfear	Quebec.	38 5	10	2	4	9	19	13	3	Charles Potvin, St. Jerome, Que.

*Formerly "Watunas."
 †Formerly "Harvey."
 ‡Formerly "Charles Lemcke."
 §Formerly "Edw. S. Mack."
 ¶Formerly "Van Woodland."
 ††Formerly name "Wataunas."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*J.O.*, Joint owners—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Paddle—à aubes; *Sc.*, Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
108387	Hong Kong.....	New Westminster.....	1897	New Westminster, B.C.....	59 2	12 2	5 4	36	25	4 se...	A. A. Plummer Co., Ltd., et al., Vancouver, B.C.
103242	Honoré.....	Montreal.....	1891	Verchères, Que.....	51 8	12 7	4 9	22	15	3 se...	Lyon Cohen, Montreal, Que.
126560	<i>Hoo Hoo</i>	Vancouver.....	1909	Vancouver, B.C.....	28 5	9 8	4 0	11	7	1 se...	Borttrand W. Sinclair, Vancouver, B.C.
103144	Hope.....	Quebec.....	1893	Quebec, Que.....	44 6	11 0	4 2	19	19	16 se...	J. S. Thom, Quebec, Que.
117007	Hope.....	Victoria.....	1902	Richardson, Wash, U.S.A.....	47 2	12 7	4 9	26	18	8 se...	Chas. F. Todd, Victoria, B.C.
83368	Hope.....	Victoria.....	1881	Seattle, Wash, U.S.A.....	72 2	16 2	8 5	78	48	5 se...	Vancouver Island Towing Co., Ltd., Victoria, B.C.
71232	Hope.....	Windsor, Ont.....	1870	Detroit, Mich, U.S.A.....	95 0	25 0	8 2	170	116	150 se...	The Buffalo & Fort Erie Ferry & Railway Co., Fort Erie, Ont.
130453	<i>Hope Transfer</i>	New Westminster.....	1908	Vancouver, B.C.....	28 3	8 1	2 0	4	3	1 se...	Luke Gibson, Hope, B.C.
130294	Hopkins.....	Vancouver.....	1910	Howe Sound, B.C.....	61 6	17 6	8 0	62	42	14 se...	Gordon S. Hopkins, et al., J. O., Vancouver, B.C.
116569	Horton.....	Godereh.....	1906	Godereh, Ont.....	72 0	16 1	8 5	66	45	24 se...	William Marthon, Godereh, Ont.
100720	Hosanna.....	Montreal.....	1893	Sorel, Ont.....	89 0	18 4	6 0	78	27	18 se...	C. J. Leon Veilleux, Lévis, Que.
131077	<i>Hosie</i>	Vancouver.....	1909	Nelson, B.C.....	40 0	10 0	5 0	11	10	1 se...	Charles W. Mason, Eastern Point, Lunenburg Co., N.S.
107753	Hosmer.....	Vancouver.....	1909	Nelson, B.C.....	109 8	30 9	8 4	154	105	26 se...	Canadian Pacific Railway Co., Montreal, Que.
133821	<i>Howard W.</i>	Montreal.....	1891	Green Bay, Wis., U.S.A.....	233 0	37 6	20 3	1,517	924	96 se...	Howard W. Limited, Quebec, Que.
133831	<i>Howard Stanley</i>	Montreal.....	1912	Tancook, N.S., U.S.A.....	43 8	12 0	6 0	16	15	1 se...	Patric A. Gray, Pemat, N.S.
149919	<i>Howe Sound</i> <i>H.</i>	Vancouver.....	1918	Seymour Creek, B.C.....	30 9	5 4	3 7	5	5	1 se...	Tsumikiechi Sugiyama, Vancouver, B.C.
134072	<i>Howker</i>	Vancouver.....	1912	Seymour, B.C.....	37 5	9 6	4 6	15	10	2 1/2 se...	Hiram Murray, Pemat, N.S.
138418	<i>Hubbo</i>	Halifax.....	1917	Tancook, N.S.....	41 0	11 3	5 9	13	12	3 se...	Hudson Bay Co., Winnipeg, Man.
111955	Hubert.....	Winnipeg.....	1902	Edmonton, Alta.....	35 0	7 5	2 7	6	4	1 se...	Nicholas Cook and Alfred Falk, Lund, B.C.
100181	Hudson.....	Montreal.....	1890	Vancouver, B.C.....	128 5	25 1	6 4	158	80	75 ps.	Sinclair-McNaughton Line, Ltd., Montreal, Que.
107783	Hudson.....	Montreal.....	1890	Sorel, Que.....	73 5	17 0	3 3	45	37	60 ps.	H. E. Hudson and J. C. Hudson, Barry's Bay, Ont.
112232	Hudson.....	Ottawa.....	1903	Barry's Bay, Ont.....	57 7	12 5	4 7	34	23	7 se...	The Minister of Marine and Fisheries, Ottawa, Ont.
134243	Hudson Bay Ter- minals, Lighter No. 1.....	Toronto.....	1914	Toronto, Ont.....	122 0	21 5	9 0	268	129	19 se...	The Minister of Railways and Canals, Ottawa, Ont.
134249	Hudson Bay Ter- minals, Lighter No. 2.....	Toronto.....	1914	Toronto, Ont.....	122 0	21 5	9 0	268	129	19 se...	The Minister of Railways and Canals, Ottawa, Ont.
134441	Hudson Bay Ter- minals, Lighter No. 3.....	Toronto.....	1914	Toronto, Ont.....	122 0	21 5	9 0	268	129	19 se...	The Minister of Railways and Canals, Ottawa, Ont.
103664	Hudson's Bay Mes- senger. Hugh Stalker.....	Winnipeg.....	1887	Kenora, Ont.....	33 0	7 4	3 2	5	3	1 se...	Hudson's Bay Co., London, Eng.
122553	Hugh Stalker.....	Collingwood.....	1910	Collingwood, Ont.....	72 3	15 7	6 3	43	29	10 se...	George Stalker, Collingwood, Ont.

SESSIONAL PAPER No. 22

134336	Hughanna	Chattham, N.B.	1914	Caracquet, N.B.	36 0	10 0	5 3	13	11	1 se.	Joseph N. B. Sewell, Caracquet, N.B.
130673	Hughie V. L.	Lambourg	1917	Little Tancook, N.S.	49 5	12 0	5 4	10	10	2 se.	Rodgers, Levy, Jitch, Tancook, N.S.
135321	Hilda O.	Vancouver	1910	Lund, B.C.	39 6	12 0	7 9	28	19	1 se.	Union Piana, Lund, B.C.
107459	Hama O.	Vancouver, B.C.	1895	Vancouver, B.C.	26 1	5 5	3 0	9	2	2 se.	The Wapleburg Co., Ltd., Vancouver, B.C.
121751	Hummer	Vancouver, B.C.	1906	Vancouver, B.C.	31 3	5 2	2 4	9	2	2 se.	Lison & Parpee, Ltd., Vancouver, B.C.
130978	Humming Bird No. 2	New Westminster	1918	Quebec, Que.	42 8	9 4	4 7	10	10	3 se.	Corok & Nakamura, Vancouver, B.C.
133343	Hunkdori	Quebec	1881	Quebec, Que.	30 4	9 4	4 0	11	8	15 se.	Wm. H. Papp, Quebec, Que.
116694	Hunter	Kenora	1903	Kenora, Ont.	30 0	8 7	4 0	11	8	1 se.	Wm. H. Papp, Kenora, Ont.
121965	Hunter	Kingston	1906	Gananoque, Ont.	26 0	5 6	2 3	2	1	4 se.	Chas. T. Munro, Gananoque, Ont.
116765	Hunter W.	Toronto	1894	Simcoe, Ont.	37 0	10 0	3 5	14	9	2 pa.	The Ontario Lumber Co., Ltd., Toronto, Ont.
116993	Hunter W.	Toronto	1894	Simcoe, Ont.	18 8	5 0	2 0	1	1	1 pa.	R. Wolff, Kenora, Ont.
171216	Huron	Kenora	1875	Petrol, Mich., U.S.A.	238 5	53 0	27 8	1,052	688	300 se.	Grand Trunk Railway Co. Montreal, Que.
107168	Huron O.	Kenora	1875	Point Edward, Ont.	321 0	43 0	12 4	3,330	2,211	245 se.	Canada Steamship Lines, Ltd., Montreal, Que.
130650	Huron O.	Collingwood	1912	Collingwood, Ont.	47 0	11 0	5 6	13	13	3 se.	Mrs. Jane Richardson, Canso, N.S.
138040	Huron-Harrak	Lambourg	1917	Tancook, N.S.	32 0	9 3	4 3	13	13	3 se.	Neville Cammer, Ltd., Halifax, N.S.
138414	Hurry-up	Barrington Passage	1907	Woods Harbour, N.S.	47 5	12 0	6 3	17	16	3 se.	Alvin Stevens, W. T. Tancook, N.S.
122516	Husler	Vancouver	1917	Vancouver, N.S.	57 5	14 0	6 4	44	30	1 se.	John J. Hodder, Vancouver, B.C.
126015	Hydra	Vancouver	1910	Skidgate, B.C.	33 1	4 8	2 7	8	6	2 se.	Isaac Wilson, Skidgate, B.C.
88250	Hydra	Deseronto	1892	Trenton, Ont.	43 1	7 0	4 7	6	4	2 se.	Sech Wilson, Deseronto, Ont.
100460	Hydra	Sydney, N.S.	1886	Levis, Que.	72 6	16 6	6 7	58	39	21 se.	Cape Breton Electric Co., Ltd., Sydney, N.S.
112283	I. C. U.	Digby	1892	Yarmouth, N.S.	25 5	7 5	3 5	4	4	5 se.	H. W. Gann, Bridgetown, N.S.
131012	I. G.	Sorel	1910	Sorel, Que.	40 6	8 3	3 9	5	5	1 se.	Moise Robidoux, Yarmouth, N.S.
130394	I. Wonder Y.	Halifax	1911	Sambro, N.S.	46 6	12 8	6 0	17	16	3 se.	David Kellier, Halifax, N.S.
130012	Iance	Victoria	1911	Port Simpson, B.C.	38 7	9 7	5 7	13	9	3 se.	Charles A. Gardner, Victoria, B.C.
133908	Iberville	Sorel	1897	Sorel, Que.	36 3	17 7	10 3	128	42	42 se.	The Minister of Marine and Fisheries, Ottawa, Ont.
100607	Iceland	Winnipeg	1904	The Narrows, Man.	36 3	17 7	10 3	34	23	2 se.	Heta Emerson, The Narrows, Man.
141112	Ichigo	Lambourg	1895	Sable River, N.S.	39 5	14 0	9 7	19	18	1 se.	Ewart Boutilier, Marriotts Cove, N.S.
130582	Ichthus M.	Vancouver	1917	Stevenson, B.C.	26 0	7 0	4 4	6	5	1 se.	Tomekitt Mortswa, Stevenson, B.C.
133930	Icicle	Halifax	1913	West Chezzeroock, N.S.	32 0	9 0	5 3	11	10	1 se.	Benjamin Martin, Jr., Essequimaie, N.B.
88564	Ida	Ottawa	1884	Deseronto, Ont.	35 6	20 6	9 2	111	76	73 se.	J. T. Lemay and A. Roy, Hull, Que.
90559	Ida Bell	Port Burwell	1890	Clear Creek, Ont.	28 0	7 0	3 2	6	2	2 se.	C. C. Bates, Clear Creek, Ont.
134082	Ida Jane	Vancouver	1912	Brookville, Ont.	29 5	6 3	3 0	4	2	1 se.	James C. Shields, Vancouver, B.C.
103188	Ida Lee	Yarmouth	1896	Shelburne, N.S.	61 0	13 6	9 7	45	30	21 se.	The Nova Scotia Dredging Co., Ltd., Halifax, N.S.
96984	Idaho	New Westminster	1888	Sambro, N.S.	36 5	9 0	3 8	6	5	1 se.	Arthur Bunting, Bomers Ferry, Idaho, U.S.A.
126372	Ideal	Lambourg	1909	Sambro, N.S.	42 0	11 8	6 5	16	13	1 se.	Albert D. Meisner, Lunenburg, N.S.
100135	Ideal	Winnipeg	1892	Selkirk, Man.	70 2	16 5	6 0	54	32	46 pa.	Manitoba Transport Co., Ltd., Winnipeg, Man.
116855	Idler	Ottawa	1894	Hawkesburg, Ont.	61 0	17 6	4 4	51	32	35 pa.	The River Sand Co., Ltd., Montreal, Que.
111539	Idler	Vancouver	1898	Vancouver, B.C.	32 0	8 0	3 2	4	2	2 se.	Stanley Monheim and Thos. J. Dunn, Arrowhead, B.C.
122355	Idono	Kingston	1907	Gananoque, Ont.	29 6	6 7	3 0	4	3	1 se.	George H. Funnell, Gananoque, Ont.
138494	Idon	Montreal	1915	Caulhwaaga, Que.	29 8	5 0	1 5	1	1	1 se.	Angus O. Rice, Caulhwaaga, Que.
121722	Idon	Vancouver	1905	Vancouver, B.C.	32 0	40 2	5 1	15	10	3 se.	Henry A. Watson, Prince Rupert, B.C.
12298	Idon	Winnipeg	1902	Selkirk, Man.	57 0	12 6	5 3	30	20	2 se.	The City of Winnipeg, Man.
130553	Idon	Kingston	1910	Kingston, Ont.	37 0	9 6	4 3	18	12	8 se.	Robert H. Verity, Toronto, Ont.
126476	Idon	Vancouver	1897	Brookville, Ont.	50 4	9 3	4 3	14	9	10 se.	Ernest G. Alcock, Esquimalt, B.C.
100048	Illecillewaet	Victoria	1897	Seattle, Wash., U.S.A.	31 5	11 4	4 0	23	14	3 se.	Vancouver Power Co., Ltd., Vancouver, B.C.
126473	Ils	Halifax	1907	Port Hawkesburg, N.S.	32 6	9 3	4 8	6	6	1 se.	John H. Winfield, Halifax, N.S.
99710	Imbricaria	Vancouver	1893	Beverly, G.B.	101 0	29 5	11 0	150	66	43 se.	Canadian Fishing Company, Limited, Vancouver, B.C.
137331	Imodo	Vancouver	1915	Stevenson, B.C.	28 0	7 4	3 4	4	3	3 se.	Wash Oya, Vancouver, B.C.
122199	Imp.	Vancouver	1908	New Westminster, B.C.	65 8	15 2	6 4	56	34	12 se.	John Duncan McNeil, Vancouver, B.C.
103880	Impada	Vancouver	1912	Vancouver, B.C.	47 7	11 0	5 7	25	17	2 se.	Northern B. C. Fisheries, Ltd., Vancouver, B.C.
108346	Imperial	Sarnia	1898	Willington Quay, G.B.	200 0	52 0	14 4	796	412	130 se.	The Imperial Oil Co., Ltd., Sarnia, Ont.
121915	Imperial	Sorel	1907	Sorel, Que.	200 0	41 9	7 6	1,098	578	383 pa.	Alexander Desmarieux, Montreal, Que.
129513	Imperieuse	Victoria	1910	Victoria, B.C.	38 4	4 9	4 8	14	8	14 se.	Hon. Archer Martin, Victoria, B.C.
132209	Imperial	Sarnia	1913	Grangemouth, G.B.	249 5	43 1	19 7	2,253	1,381	157 se.	The Imperial Oil Co., Ltd., Sarnia, Ont.

*Formerly "Emanuel Pyecroft."

*Formerly "John Duncan."

*Formerly "Minoco".

*Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paid-to—à auhes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
135238	<i>Impoco</i> ©	Sarnia	1913	Grainamouth, G.B.	219 5	43 1	19 7	2,257	1,383	157 sc.	The Imperial Oil Co., Ltd., Sarnia, Ont.
137444	<i>Impromer</i>	Vancouver	1910	Seattle, Wash., U.S.A.	40 5	12 0	4 8	20	13	3 sc.	Massett Timber Co., Ltd., Vancouver, B.C.
111577	Ira	Toronto	1904	Toronto, Ont.	56 0	9 3	3 7	11	10	3 sc.	Wm. J. Gage, Toronto, Ont.
110759	Ira	Toronto	1904	Parry Sound, Ont.	53 0	10 8	5 6	27	18	6 sc.	John Galma and R. W. Darter, J.O., Parry Sound, Ont.
107735	India	Montreal	1889	Garden Island, Ont.	215 9	36 4	15 0	976	573	118 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
125971	<i>Indola</i>	Toronto	1905	Toronto, Ont.	34 0	8 0	3 0	6	4	4 sc.	Isaac N. Davins, Toronto, Ont.
112179	Inewen	Toronto	1902	Toronto, Ont.	86 5	18 0	7 7	109	46	13 sc.	Hudson's Bay Co., London, Eng.
99396	Ingomar	Kingston	1890	Carlston Place, Ont.	61 0	10 5	3 6	22	13	20 sc.	Edmond Robinand, Valleyfield, Que.
126613	Inlander	Prince Rupert	1910	Victoria, B.C.	135 5	28 5	5 2	533	340	13 pa.	Prince Rupert, Skeena Transportation Co., Ltd., Prince Rupert, B.C.
121966	<i>Ira (The)</i>	Kingston	1905	Gananoque, Ont.	25 0	5 6	2 2	2	1	3 sc.	Fredrick J. Henderson, Gananoque, Ont.
134631	Ironoklin	Victoria	1915	Edgewater, B.C.	39 5	10 7	4 4	19	13	1 sc.	William J. Bunting, Edgewater, B.C.
140882	<i>Inskip</i>	Vancouver	1918	Vancouver, B.C.	52 6	14 2	6 0	42	16	3 sc.	The Canadian Fish Co., Ltd., Vancouver, B.C.
96849	International	Sarnia	1872	Fort Erie, Ont.	210 0	40 0	12 0	851	559	300 sc.	Lake Erie and Detroit River Ry. Co., Walkerville, Ont.
103489	International	Victoria	1912	Kaslo, B.C.	142 0	24 9	5 6	526	281	17 pa.	The International Nav. & Trading Co., Ltd., Kaslo, B.C.
107323	<i>Inverness</i>	Halifax	1895	West Myside, Camb, U.S.A.	91 4	16 5	7 0	67	46	15 sc.	E. M. Dickson, Louisburg, N.S.
133702	<i>Invermay</i>	Vancouver	1912	Vancouver, B.C.	42 0	9 8	4 8	16	11	13 sc.	Anderson Logging Co., Ltd., Vancouver, B.C.
130892	<i>Invermere</i>	Victoria	1912	Golden, B.C.	75 0	13 0	3 7	66	45	13 sc.	Alex. Blackley, Golden, B.C.
122168	<i>Iocilda</i>	Vancouver	1904	Vancouver, B.C.	26 0	8 0	3 0	8	5	3 sc.	Thomas J. Cook, Vancouver, B.C.
134514	<i>Ioculte</i> ©	Sarnia	1916	Collingwood, Ont.	250 0	43 1	16 6	2,069	1,549	95 sc.	The Imperial Oil Co., Ltd., Sarnia, Ont.
132745	Iocoma	Sarnia	1912	Dundee, G.B.	248 2	42 6	15 6	1,669	1,035	84 sc.	The Imperial Oil Co., Ltd., Sarnia, Ont.
122920	<i>Iolanda</i>	Toronto	1903	Hamilton, Ont.	37 0	10 3	4 2	13	9	8 sc.	Robert J. Lovell, et al., Toronto, Ont.
125992	<i>Iolanthic</i>	St. Andrews, N.B.	1883	Daversport, Mass., U.S.A.	46 2	13 2	5 1	20	14	2 sc.	Raymond D'Entremont, West Pubnico, N.S.
112388	Iona	Collingwood	1898	Winnipegosis, Man.	58 2	12 0	4 4	38	23	4 sc.	Peter McArthur, Westbourne, Man.
112296	Ionia	Winnipeg	1898	Winnipegosis, Man.	58 2	12 0	4 4	38	23	4 sc.	Raymond D'Entremont, West Pubnico, N.S.
116954	Ionia	Sarnia	1872	Ruffalo, N.Y., U.S.A.	238 2	35 0	12 6	1,708	1,030	125 sc.	The Northern Navigation Co., Ltd., Collingwood, Ont.
100764	<i>Ionia</i> ©	Toronto	1899	Spanish River, Ont.	34 0	8 4	4 0	6	4	4 sc.	G. Hamilton, Spanish River, Ont.
110544	<i>Iperia</i> ©	Montreal	1899	Sunderland, G.B.	310 2	45 0	23 0	3,362	2,147	290 sc.	Iperia Shipping Corporation, Ltd., Montreal, Que.
132652	<i>Ipsal</i>	Vancouver	1914	Hong Kong	63 0	13 0	7 0	38	14	9 sc.	Powell, River Co., Ltd., Vancouver, B.C.
132164	<i>Ipsal</i>	Vancouver	1902	Port Hawkesbury, N.S.	28 7	9 2	2 7	3	5	3 sc.	Thomas E. Ford, Hornby Island, B.C.
103932	Irene	Chatham, N.B.	1887	Port Hawkesbury, N.S.	36 3	11 3	4 7	10	7	6 sc.	South West Boom Co., New Castle, N.B.
92728	Irene	Midland	1897	Port Hawkesbury, N.S.	69 0	12 0	5 3	45	18	9 sc.	Ira Hill, Midland, Ont.
111954	Irene	New Westminster	1901	Midland, B.C.	20 0	5 0	3 0	2	2	1 sc.	Ah Sec, Coal Island, B.C.
107943	Irene	St. Catharines	1892	Sarnia, Island, B.C.	25 3	6 0	2 2	3	2	4 sc.	Harry Leslie, Port Colborne, Ont.

No.	Name	Company	Tonnage	Length	Breadth	Depth	Speed	Engine	Agent
121832	Irene	St. John, N.B.	27	9	3	5	7	11	F. P. Starr, St. John, N.B.
103603	Irene	Great Britain	37	8	4	2	7	2	F. J. Kelley, North Sydney, N.S.
92444	Irene	Toronto, Ont.	42	0	8	0	5	3	Geo. F. Oakley and T. H. Allen, J.O., Toronto, Ont.
116401	Irene B.	Nakusp, B.C.	60	0	13	0	5	3	The Canadian Pacific Lumber Co., Ltd., Port Moody, B.C.
92562	Iris	Dartmouth, N.S.	24	4	8	2	2	2	Andrew Caestro, Vancouver, B.C.
112200	Iris	Hamilton, Ont.	27	4	6	2	2	2	Chas. S. Pickford, Halifax, N.S.
107640	Iris	New Westminster, B.C.	47	0	10	0	5	2	Francis W. Merchant, London, Ont.
137940	Irish Belle	Vancouver, B.C.	28	0	11	5	5	2	The Brunette Sawmills Co. Ltd., New Westminster, B.C.
116850	Iroquois	Owen Sound	118	5	23	0	7	3	Ole A. Bmsalsland, Prince Rupert, B.C.
112073	Iroquois	Peterborough	22	6	5	8	2	1	The Huntsville Lake of Bays & Lake Simcoe Navigation Co., Limited, Huntsville, Ont.
111855	Iroquois (The)	Toronto	260	0	43	2	2	1	Mrs. F. A. Price, Mississauga, Ont.
117002	Isaac	New Westminster	69	0	14	1	2	2	Canada Steamship Lines Ltd., Montreal, Que.
111505	Isabel	St. John, N.B.	56	2	3	3	2	3	B. C. Marine Ltd., Vancouver, B.C.
122390	Isabella McCormack	Detroit, Mich., U.S.A.	24	0	5	6	2	3	Wm. T. Chasmit, Fredericton, N.B.
112904	Isabella	Golden, B.C.	18	8	5	5	178	112	The Columbia River Lumber Co. Ltd., Golden, B.C.
138733	Isar	Winnipeg	64	0	16	4	41	25	Peter McArthur, Westbourne, Man.
130544	Isaride	New Westminster	39	0	9	4	14	15	Yoshiro Mukai, Seveston, B.C.
96704	Isaway	Vancouver, B.C.	12	3	5	4	18	12	Northern B.C. Fisheries, Ltd., Vancouver, B.C.
107873	Iskoodah	Ottawa	44	0	2	2	3	6	E. A. Small, Montreal, Que.
131156	Islam	Carlton Place, Ont.	6	2	2	2	2	2	Dr. G. S. Byerson, Toronto, Ont.
116632	Islam Lassie	Vancouver, B.C.	30	0	6	2	4	5	Clasov of Sound Canning Co. Ltd., Victoria, B.C.
138784	Island Princess	Landsay, Ont.	57	0	6	3	7	4	William F. Austin, Fenelon Falls, Ont.
107841	Island Queen	Toronto	110	2	7	3	330	202	Canadian Pacific Railway Co., Montreal, Que.
122110	Islander	St. Williams, Ont.	22	3	3	3	24	27	Mrs. Mary King, Toronto, Ont.
111567	Islander	Shelburne, N.S.	67	0	17	5	7	16	The Island Tug Co. Ltd., Charlottetown, P. I. E.
90566	Islay	Gravenhurst, Ont.	100	0	17	3	5	7	The Muskoka Lakes, Nax. & Hotel Co., Ltd., Toronto, Ont.
116530	Islay	Orrilla, Ont.	110	0	15	0	2	17	Chas. McJames, Orrilla, Ont.
126722	Island	Kingston, Ont.	31	8	4	11	9	3	Sidway Fish and Game Club, Ltd., Montreal, Que.
111796	Isobel	Young's Point, Ont.	80	0	10	0	34	27	Patrick P. Young, Young's Point, Ont.
116712	Ivan R.	Port Hawkesbury, N.S.	41	0	5	9	24	20	Grainm W. G. Stewart, New Glasgow, N.S.
121753	Ivanhoe	Grandes Piles, Que.	67	8	15	8	4	5	Donald W. G. Stewart, Burlington, Ont.
122547	Ivanhoe	Vancouver, B.C.	32	2	3	4	7	12	Henry E. Neave, Esquimalt, B.C.
126040	Ivra	Vancouver, B.C.	39	7	22	5	10	9	Kingdom Navigation Co., N.S.
130378	Ivra	Mill Village, N.S.	42	0	6	6	4	6	Jason P. Black, Liverpool, N.S.
126523	Ivy Clark	Peterboro' Ont.	26	0	5	3	2	2	J. A. P. Byrn, Peterboro', Ont.
130913	Ivy Leaf	Sturgeon Falls, Ont.	46	8	14	2	7	2	Charles Wm. Clark, Sturgeon Falls, Ont.
140984	Ivy Leaf	Vancouver, B.C.	37	0	14	0	4	5	H. Bell Irving & Co., Ltd., Vancouver, B.C.
138603	Izumi	Steveston, B.C.	55	0	8	4	2	10	Gitaro Hiroto, Steveston, B.C.
126858	J. A.	Steveston, B.C.	55	0	13	2	5	3	Samuro Kuroyama, Steveston, B.C.
13832	J. A. H.	Vancouver, B.C.	26	0	6	7	3	5	Joseph A. Fisher, Vancouver, B.C.
130656	J. E. C.	Bellie Bay, N.B.	59	1	23	5	6	2	D. T. Alexander and M. J. Mason, Alma, N.B.
138482	J. E. N.	Calumet Island, Que.	39	0	11	4	3	4	John E. Cantil, Calumet Island, Que.
138118	J. F. A.	New Westminster	49	0	10	5	2	12	George Cassidy, Steveston, B.C.
126907	J. F. A.	New Westminster	46	0	14	0	5	2	Jervis Inland Canning Company, Ltd., Vancouver, B.C.
138362	J. F. D.	Chatham, N.B.	37	0	12	0	5	5	O'Brien, Ltd., Nelson, N.B.
138610	J. F. S.	Vancouver, B.C.	58	4	15	2	7	4	The Packers Steamship Co., Ltd., Vancouver, B.C.
125442	J. A. S.	New Westminster	35	4	7	5	3	9	Palward Wilson, Ladner, B.C.
117167	J. A. Mumford	Sault Ste. Marie	248	0	43	1	22	5	The Minister of Railways and Canals, Ottawa, Ont.
116830	J. A. Paul	Windsor, N.S.	80	5	20	2	115	9	Gypsum Packet Co., Ltd., Windsor, N.S.
126721	J. B. McCall	Sorel, Que.	81	5	13	5	4	8	J. L. B. Leclair, Sorel, Que.
90527	J. B. McLeod	Lakelield, Ont.	48	0	8	6	2	16	The Minister of Railways and Canals, Ottawa, Ont.
125580	J. B. Paine	Mirchell's Bay, Ont.	53	5	12	1	5	7	Brook McAulay, Sorahtampton, Ont.
126175	J. C. Bruce	Toronto, Ont.	39	6	8	0	5	11	John C. Holtby, Toronto, Ont.
		Vancouver, B.C.	43	0	9	3	7	17	Jas. Chunningham, New Westminster, B.C.

1 Formerly "Earl." 2 Formerly "Orillia." 3 Formerly a sailing vessel. 4 Formerly "Tadema." 5 Formerly "Cuba." 6 Foreign name "Lone Star." 7 Formerly "Cuba." 8 Formerly "Earl." 9 Foreign name "Daily." 10 Recovered Wreck.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire grant; Pa., Paddle—à aubes; Sc., Screw—à hélice. Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vaisseaux à moteurs sont en italiques.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gégrant, et adresse.
134267	J. C. Elise	Midland	1915	Midland, Ont.	45.4	11.0	4.2	23	16	2 sc.	The Georgian Bay Lumber Co., Ltd., Waukegan, Ont.
138549	J. C. Martin	Lambertburg	1917	Tanook, N.S.	52.0	13.6	6.7	27	25	1 sc.	Francis B. Martin, M.O., Ketch Harbour, N.S.
126610	J. C. Miller	Chatham, N.B.	1910	Douglstown, N.B.	54.0	14.9	5.0	33	15	12 sc.	Wm. B. Snowball, Chatham, N.B.
112335	J. D. Hamill	Collingwood	1904	Meaford, Ont.	80.0	16.2	8.6	111	76	24 sc.	The John Island Tug Co., Ltd., John Island, Ont.
100939	J. D. Hewis	Toronto	1892	Midland, Ont.	55.6	12.4	5.3	51	35	2 sc.	David Howis, M.O., Midland, Ont.
221779	J. D. Morrison	Port Arthur	1907	Collingwood, Ont.	78.0	20.0	11.6	116	79	32 sc.	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
129999	J. D. Schofield	St. Catharines	1910	Port Robinson, Ont.	58.4	16.0	9.4	51	31	30 sc.	Arthur G. Ross, et al., Port Colborne, Ont.
122161	J. E. Boyden	Vancouver	1888	Seattle, Wash., U.S.A.	84.4	19.0	9.7	122	83	37 sc.	Boydlen Tug Co., Ltd., Victoria, B.C.
116396	J. E. Mills	Sarnia	1883	Marysville, U.S.A.	108.0	23.5	7.8	149	64	25 sc.	James Lanaway, and F. J. Trotter, J. O., Amherstburg, Ont.
229847	J. F. Booth	Ottawa	1907	Latchford, Ont.	75.4	18.0	5.2	90	53	8 pa.	John R. Booth, Ottawa, Ont.
117091	J. F. Hardman	Ottawa	1902	Ottawa, Ont.	36.0	8.7	3.0	4	4	5/8 sc.	W. L. Hunter, Pembroke, Ont.
126237	J. G. Coz	Victoria	1908	Victoria, B.C.	44.0	8.0	4.0	10	5	3/4 sc.	John A. Murdoch, Vancouver, B.C.
122251	J. H. Montgomery	Quebec	1872	Philadelphia, Pa., U.S.A.	111.2	22.0	9.8	165	82	40 sc.	The Minister of Public Works, Ottawa, Ont.
138415	J. H. White	Winnipeg	1913	Selkirk, Man.	64.6	16.2	7.4	76	52	10 sc.	The Minister of Public Works, Ottawa, Ont.
131250	J. H. G. Bagarty	Toronto	1914	Collingwood, Ont.	58.3	5.8	2.3	4.62	5.70	24 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
111619	J. H. Hackett	Montreal	1901	Quebec, Que.	87.9	21.2	8.8	117	80	34 sc.	George Hall Coal Company of Canada, Ltd., Montreal, Que.
107170	J. H. McDonald	Collingwood	1902	Collingwood, Ont.	65.0	12.0	6.9	41	23	11 sc.	Waldie Bros., Ltd., Toronto, Ont.
129046	J. H. Uphan	Port Arthur	1880	Buffalo, N.Y., U.S.A.	48.0	12.0	7.0	26	14	5 sc.	George H. Fincout, Port Arthur, Ont.
130225	J. H. Young	Owen Sound	1915	Duluth, Minn., U.S.A.	47.0	10.0	6.4	17	11	6 sc.	James H. Young, Owen Sound, Ont.
134616	J. H. Wade	Montreal	1890	Tobemrory, Ont.	6.4	38.1	23.7	2,301	1,389	111 sc.	Wade Steamship Co., Ltd., Halifax, N.S.
138502	J. J. McCarthy	Montreal	1911	Cleveland, O., U.S.A.	265.6	63.0	10.0	18	10	2 sc.	The St. Maurics Construction Company, Ltd., Montreal, Que.
107333	J. L. Nelson	Halifax	1899	Stamice, Ont.	39.1	10.0	6.6	38	19	12 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
116397	J. M. Diver	Ottawa	1904	Yarmouth, N.S.	67.6	13.8	6.6	48	33	40 sc.	Quebec Harbour Commissioners, Quebec, Que.
123099	J. M. Smith	Winnipeg	1905	Sarnia, Ont.	67.6	16.4	9.0	48	33	40 sc.	Wm. H. Hall, Winnipeg, Man.
126490	J. O. Gravel	Montreal	1909	Winnipeg, Man.	120.0	21.0	4.0	179	122	8 pa.	War Office, London, Eng., Man.
138031	J. R. Atwood	Barrington Passage	1871	Dumbarton, G.B.	94.5	24.0	12.6	197	4	54 sc.	Hurford Small Iron and Millery Small, Whitehead, N.B.
138226	J. R. Binning	Montreal	1916	Bath, Maine, U.S.A.	63.1	15.5	6.7	58	31	24 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
122273	J. R. Spear	Winnipeg	1909	Totogan, Man.	70.0	16.5	6.6	71	48	13 sc.	The Northern Fish Co., Ltd., Selkirk, Man.
133936	J. S. Rayside	Ottawa	1913	Monte Bello, Que.	66.0	17.8	6.6	49	28	17 sc.	The Owens Lumber Co., Ltd., Montreal, Que.
117000	J. S. Thompson	Ottawa	1902	Stamice, Ont.	40.0	28.0	3.6	13	8	2 pa.	J. F. Hurdean, Ottawa, Ont.
116572	J. T. Horne	Port William	1913	Port Arthur, Ont.	128.6	40.0	16.0	428	291	117 sc.	John R. Binning, Montreal, Que.
131055	J. W. Bennett	Port Arthur	1876	Huron, O., U.S.A.	90.6	17.5	9.0	107	73	30 sc.	The Superior Sash and Towing Co., Port Arthur, Ont.
134327	J. W. Brankley	Chatham, N.B.	1914	Chatham, N.B.	64.0	16.0	7.0	61	19	10 sc.	John W. Brankley, Chatham, N.B.
130559	J. W. Dickie	Vancouver	1909	U.S.A.	24.0	8.0	2.5	5	3	1 sc.	Alfred Harris, North Vancouver, B.C.

134020	J. W. Ward	Port Arthur	70 4	19 1	6 8	64	33	10 sc.	The Port Arthur Construction Co., Ltd., Port Arthur, Ont.
130776	U. Frater Taylor	Sault Ste. Marie	346 0	48 0	24 1	3,429	2,030	169 sc.	Algonia Central & Hudson Bay Railway Co., Sault Ste. Marie, Ont.
122626	J. Howard	Chatham, N.B.	48 0	11 5	5 0	16	11	10 sc.	Timothy W. Crocker, Newcastle, N.B.
138798	J. Miller	Quebec	38 3	15 7	4 3	19	10	9 sc.	Joseph Miller, Berstins, Que.
112269	J. Paul	Sorel, Que.	40 0	11 1	4 8	19	13	3 sc.	Arthur Lefebvre and Arthur Belanger, J. O., Lachine, Que.
112030	Jack C.	Quebec	49 8	14 0	5 8	31	21	4 sc.	The Le Freres & Co., Ltd., Quebec, Que.
129263	Jack C.	Toronto	13 0	10 0	4 0	10	13	3 sc.	John C. Keenan, Owen Sound, Ont.
129261	Jack Stuart	Toronto	60 0	13 0	3 5	26	18	3 sc.	Archibald Stuart, Duncan, B.C.
129293	Jack Winton	Prince Albert	59 0	15 0	2 5	19	12	3 pa.	Prince Albert Lumber Co., Ltd., Prince Albert, Sask.
134523	Jack Jacobson	Sydney, N.S.	147 9	3 1	17 1	507	253	70 sc.	Canadian Whaling Co., Ltd., Seven Islands, Que.
137955	Jack	Vancouver	32 2	0 5	4 0	12	8	1 sc.	Frank Hildt, Crescent, B.C.
134512	James H. Shridley	Sarnia	171 0	31 2	11 5	374	400	63 sc.	Charles A. Burnard, Montreal, Que.
133902	James Howden	Sorel	90 6	22 2	8 6	157	60	41 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
111511	James Healy	St. John, N.B.	48 0	12 8	6 5	21	21	3 sc.	Alex. B. Holly, et al., St. John, N.B.
98844	James McKeown	Sarnia	52 5	12 5	5 0	26	24	30 sc.	The Blind River Towing Co., Ltd., Blind River, Ont.
121948	James Moran	Sorel	52 0	11 6	4 8	21	8	4 sc.	Lyon Colton, Montreal, Que.
116971	James Neilson	Chatham, N.B.	61 0	14 5	5 7	21	21	8 sc.	James P. Burchill, Nelson, N.B.
108923	James Playfair	Kingston, Ont.	60 1	15 3	9 4	64	34	16 sc.	James Pendergast, Cornwall, Ont.
100943	James Pendergast	Port Burwell	59 0	11 6	6 0	38	38	13 sc.	James Teedror, et al., J. O., Port Burwell, Ont.
130632	James S. Gregory	St. John, N.B.	58 2	10 9	7 3	53	30	14 sc.	James S. Gregory, St. John, N.B.
92407	James Storey	Collingwood, Ont.	63 0	14 2	7 3	53	33	3 sc.	Geo. H. Pimour, Port Arthur, Ont.
116846	James W. Follette	Montreal	207 2	35 0	12 0	736	540	88 sc.	George Hall Coal Company of Canada, Ltd., Montreal, Que.
121709	James Whelan	Port Arthur	108 0	24 0	13 0	313	156	60 sc.	The Canadian Towing and Wrecking Co., Ltd., Port Arthur, Ont.
130344	Janet A.	Charlottetown	55 4	15 1	5 8	35	34	5 sc.	Duncan J. Riley, Belle River, P.E.I.
138369	Janet Carruthers	Vancouver	240 0	44 1	19 2	1,406	1,253	30 sc.	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
117191	Jan	Kenora	23 0	0 0	2 3	3	2	6 sc.	Scott & Hudson Building Co., Ltd., Kenora, Ont.
100038	Jamesine	Toronto	112 4	21 9	7 4	298	184	18 sc.	The Toronto Ferry Co., Ltd., Toronto, Ont.
133790	Jason B.	St. Andrews, N.B.	46 1	13 6	5 9	18	12	1 sc.	Frank Blakeman, Grand Harbour, N.B.
129034	Jean F.	Montreal	25 8	8 3	3 6	7	4	1 sc.	Honri Hervieux, Montreal, Que.
133794	Jean F.	Port Stanley, Ont.	32 0	15 4	5 4	25	17	3 sc.	Angus A. Ferris, Port Rowan, Ont.
133840	Jean F. Jacques	Montreal	46 0	10 4	3 6	39	19	2 sc.	Maxime Cloutier, Grandes Piles, Que.
138231	Jean Jacques	Montreal	56 2	12 4	3 8	33	19	4 sc.	Maxime Cloutier, Grandes Piles, Que.
138069	Jean MacNamara	Ottawa	36 4	13 3	5 8	41	26	3 sc.	McLellan Bros., Ltd., Amprion, Ont.
134658	Jean St. Jean	Victoria, B.C.	245 7	43 8	21 0	1,577	1,253	18 sc.	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
138105	Jeanne Marie	Victoria, B.C.	80 7	17 2	4 5	60	29	1 sc.	Jos. E. Ally, Montreal, and Edgide Ally, Pierreville, Que., J. O.
126146	Jeanne Marie	Sorel	96 2	22 3	6 5	105	69	3 sc.	Celestin Leboeuf Sr., Valleyfield, Que.
138455	Jeanette P.	Sorel	86 2	22 3	6 5	105	69	3 sc.	Charles Paue, Trois Rivieres, Que.
138734	Jeanette P.	Sorel	20 2	13 4	1 4	26	3	3 1/2 sc.	Kotofara Ota, Vancouver, B.C.
134174	Jellicoe	Stevenson, B.C.	57 6	14 8	4 6	51	37	3 sc.	William McMillan and Lauchlan McKay, Lockport, N.S.
130113	Jellicoe	Kenora	49 6	19 7	7 6	25	22	2 sc.	Lawrence Badreux and Lauchlan McKay, Lockport, N.S.
137900	Jennie B.	Kenora	44 0	11 2	4 0	20	13	5 sc.	Benjamin Corliss, Huntsville, Ont.
107955	Jennie June	Toronto	37 5	9 4	4 4	17	12	4 sc.	J. A. Clarke, New Westminster, B.C.
107811	Jennie Mae	New Westminster	29 8	8 0	3 8	4	4	1 sc.	C. B. McAllister, Peterborough, Ont.
1899	Jennie Mae	Peterborough	33 2	7 2	3 4	5	3	2 sc.	Oswald Dalphnee, M. O., Hacketts Cove, N.S.
131735	Jennie F. S.	Peterborough	59 2	14 0	7 6	34	32	6 sc.	Arthur G. Balkwill, Vancouver, B.C.
130791	Jericho	Vancouver	67 0	14 5	4 4	44	30	7 sc.	Stinson H. Colp and Herman H. Stuard, J. O., Port Mouton, N.S.
138195	Jerry D.	Liverpool	31 3	9 7	5 0	10	10	1 sc.	Edward McKenzie, Smiths Falls, Ont., and John F. Sowards, Kingston, Ont.
129128	Jeska	Kingston, Ont.	198 0	24 4	7 3	189	107	16 sc.	Joseph Mosher, Little Tancook, N.S.
138296	Jessie	Lanenburg	42 6	11 4	6 3	15	14	2 sc.	Achille Bernier, St. Joseph de Levis, Que.
107808	Jessie	Quebec	46 0	12 5	5 5	19	13	7 sc.	Stanley Burton, Peterborough, Ont.
119009	Jessie	Peterborough	51 0	7 5	3 6	9	6	2 sc.	A. J. W. Bridgeman and R. Greenwood, J. O., Victoria, B.C.
107721	Jessie	Vancouver	45 4	10 0	3 9	9	6	15 sc.	Formerly a sailing vessel. Formerly "M. M. Drake."

*Foreign name "Saturn." ²Foreign name "Samson." ³Formerly "Ojibway" and "A. J. Tymon." ⁴Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *italics*—Les noms des vaisseaux à moteurs sont en *italiques*.

Serial No. N ^o du bâtiment.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit.	Where Built. Lieu de construction.	Length in feet and inches. Longueur en pieds et pouces.	Breadth in feet and inches. Largeur en pieds et pouces.	Depth in feet and inches. Profondeur en pieds et pouces.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
11157	Jessie.....	Victoria.....	1890	Benevia, Cal., U.S.A.....	75 0	24 5	7 0	64	31	6 sc.....	Victoria Fishing Co., Ltd., Victoria, B.C.
126043	Jessie B.....	Port Arthur.....	1905	Rosspart, Ont.....	29 0	8 0	4 0	5	3	1 sc.....	Wm. and Daniel Alexander, J.O., Nopigon, Ont.
107714	Jessie Bain.....	Montreal.....	1888	Clayton, N.Y., U.S.A.....	70 8	14 8	5 0	67	41	11 sc.....	Michael Northcote, Montreal, Que.
134097	Jessie Ellen.....	Vancouver.....	1914	Vancouver, B.C.....	29 3	8 0	3 0	4	3	1 sc.....	Brooks Bathalke Cedar Co., Ltd., Vancouver, B.C.
103643	Jessie Forward.....	Kingston.....	1896	Millhaven, Ont.....	36 6	7 7	4 2	6	4	2 sc.....	J. F. Walsh, Napawa, Ont.
96780	Jessie Gray.....	Halifax.....	1889	Marble Mt., N.S.....	80 0	17 9	5 7	75	48	20 pat.....	Bras Por Laine Co., Ltd., Halifax, N.S.
70288	Jessie Hall.....	Port Arthur.....	1867	Buffalo, N.Y., U.S.A.....	83 5	17 0	8 8	57	29	16 sc.....	The Russell Timber Co., Ltd., Port Arthur, Ont.
97009	Jessie Hume.....	St. Catharines.....	1861	St. Catharines, Ont.....	62 9	15 4	8 3	58	40	38 sc.....	The Minister of Public Works, Ottawa, Ont.
138780	Jessie Island.....	Victoria.....	1917	Tacoma Wash., U.S.A.....	51 8	14 6	4 2	11	8	3 sc.....	Genichi Kodama, and Aikimatsu Tabata, J. O., Vancouver, B.C.
110245	Jessie Mae.....	Sault Ste. Marie.....	1903	Algoma Mills, Ont.....	42 0	10 0	4 2	11	8	13 sc.....	Volonce Metவர், Algoma Mills, Ont.
117115	Jessie Mae.....	Vancouver.....	1905	Vancouver, B.C.....	61 5	16 0	7 5	57	39	8 sc.....	Edward J. Coyle and Hugh S. McLehlan, Vancouver, B.C.
138368	Jessie Marcross.....	Vancouver.....	1917	North Vancouver, B.C.....	210 5	43 6	19 3	1,431	1,268	36 sc.....	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
74019	Jessie Mearns.....	Lambton.....	1876	Shedburne, N.S.....	69 6	13 0	7 9	62	49	1 sc.....	Miss Mary E. Young and Humphrey Mollish, Halifax, N.S.
111572	Joe.....	Toronto.....	1900	Hamsville, Ont.....	65 0	23 0	4 9	67	39	6 sc.....	The Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Ltd., Hamsville, Ont.
122322	Joe.....	Vancouver.....	1906	Everett, Wash., U.S.A.....	27 0	8 2	4 0	5	4	3 sc.....	George A. Walkon, Vancouver, B.C.
134072	Joe Baker.....	Vancouver.....	1913	Seattle, Wash., U.S.A.....	36 0	10 1	4 5	12	8	4 sc.....	Cassihar Edwards, Prince Rupert, B.C.
116378	Joe Dudley.....	Port Arthur.....	1865	Buffalo, N.Y., U.S.A.....	70 0	15 0	8 6	52	36	10 sc.....	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
133851	Joe Goodwin.....	Toronto.....	1912	Toronto, Ont.....	48 4	11 0	6 0	38	26	2 sc.....	Joseph Goodwin, Toronto, Ont.
33951	Joffre D.....	Sorel.....	1915	Sorel, Que.....	52 6	13 1	5 9	38	19	13 sc.....	Aplouose Deroclers, Sorel, Que.
111670	John A. Minor.....	Montreal.....	1902	Pl. Fortuque, Que.....	65 6	19 2	2 9	19	13	3 sc.....	Adehard and Leopold Crevier, Parish of St. Andrews, Que.
130714	John B. Kerchum.....	Kenora.....	1913	Kenora, Ont.....	50 8	14 0	5 0	40	27	2 sc.....	Keewatin Lumber Co., Ltd., Keewatin, Ont.
130435	John B. Kerchum.....	Montreal.....	1892	Toledo, O., U.S.A.....	193 0	40 5	12 3	1,109	763	77 sc.....	George Hall Coal Company of Canada, Ltd., Montreal, Que.
107853	John C. Barr.....	Dawson.....	1898	Unalaska, Alaska, U.S.A.....	141 6	28 2	4 8	547	316	150 pat.....	R. B. Snowdon, Dawson, Yukon Territory.
130387	John E. Monk.....	Amherstburg.....	1887	Sandusky, Ohio, U.S.A.....	72 0	16 5	7 5	48	10	10 sc.....	Charles P. Hackett, Amherstburg, Ont.
111895	John E. Russell.....	Toronto.....	1902	Richard's Landing, Ont.....	54 0	12 4	4 4	26	17	10 sc.....	Toronto Harbour Commissioners, Toronto, Ont.
121705	John Fraser.....	Toronto.....	1905	Parry Sound, Ont.....	31 5	8 0	3 2	6	4	4 sc.....	John Fraser, Parry Sound, Ont.
130758	John H. Strout.....	Vancouver.....	1911	Vancouver, B.C.....	53 3	17 5	4 9	40	27	4 sc.....	Minister of Public Works for British Columbia, Victoria, B.C.
92387	John Hagarst.....	Kingston.....	1887	Perth, Ont.....	99 9	27 5	6 0	184	104	65 sc.....	John and Lawrence Balmore, Southampton, Ont.
120013	John Hancock.....	Annapolis Royal.....	1908	Graville Ferry, N.S.....	53 0	16 0	5 2	43	29	3 sc.....	Bernard Dolan, Graville Ferry, N.S.
85519	John Hanlon.....	Toronto.....	1884	Port Dathousie, Ont.....	71 0	16 2	6 0	37	25	25 sc.....	Lawrence Solman, Toronto, Ont.
107236	John J. Noble.....	Goderich.....	1901	Goderich, Ont.....	68 1	15 1	6 9	33	23	13 sc.....	Dominion Fish Co., Ltd., Winnipeg, Man.
107232	John L. Carl.....	Victoria.....	1897	New Westminster, B.C.....	92 0	21 0	8 0	41	96	5 sc.....	R. S. Griffiths and J. S. Duage, J.O., Victoria, B.C.
91919	John Logie.....	Southampton.....	1893	Goderich, Ont.....	75 0	13 8	5 5	37	25	131 sc.....	John Logie, Southampton, Ont.

SESSIONAL PAPER No. 22

107137	John McKay	Godolph, Ont.	68 1	15 1	6 9	34	23	Daniel McKay, Cookburn Isl., Ont.
112320	John McKee	Collingwood	62 0	14 0	6 4	34	10 se.	Albert J. Lewis, Killarney, Ont.
132116	John Pratt	Montreal	80 5	22 1	11 4	78	51 se.	Sincoens-McNaughton Line, Ltd., Montreal, Que.
139233	John R. Moore	Port Stanley	65 0	16 6	9 0	43	67 se.	John R. Moore, Port Stanley, Ont.
139431	John R. Stoyer	Sarnia	75 0	18 2	8 1	64	45	The Mississauga-Toronto, Ltd., Blind River, Ont.
117121	John Rankell	Kingston, Ont.	60 4	22 5	6 3	133	53	Frederic F. Randall, Sney's Bay, Ont.
88241	John Ralph	Toronto	136 6	27 8	10 3	212	32 se.	Point Anne Quarries, Ltd., Toronto, Ont.
134266	John Schell	Midland	39 2	10 0	3 7	18	11	The Georgian Bay Lumber Co. Ltd., Wabausanene, Ont.
130363	John Thomson	Ottawa	39 0	8 6	3 3	5	4	R. A. Klock, Klock's Mills, Ont.
130522	John Young	Montreal	84 5	22 0	8 1	170	77	Highway Commissioners of Montreal, Montreal, Que.
107566	Johanne H.	Quebec	41 0	10 4	4 0	14	5	Harbour Commissioners, Quebec
116262	Lolly Four	Toronto	36 0	10 5	4 6	10	7	Harry Oldfield, Parry Sound, Ont.
130088	Lolly Mac	Vancouver	53 2	11 0	5 0	26	18	William J. Butts, Vancouver, B.C.
100669	Lori	Kingsford	52 2	7 8	3 6	11	7	John Paul, Newbury, Ont.
134416	Joseph A.	Vancouver	28 3	9 0	3 6	5	3	Frederick A. Tully, Vancouver, B.C.
107804	Joseph A.	St. John, N.B.	58 6	16 4	7 4	51	37	The Beaver Dredging Co. Ltd., St. John, N.B.
137983	Joseph A.	Archie	41 0	10 6	4 5	17	14	Joseph A. Boudry, Petite-Croix, N.S.
107521	Joseph Clossett	New Westminster	80 0	21 0	4 5	147	92	British Yukon Navigation Co., Ltd., Vancouver, B.C.
130826	Joseph Taylor	Yarmouth	37 0	12 4	5 0	15	14	Joseph R. Abbott, West Pubnico, N.S.
130409	Joseph Taylor	New Westminster	49 0	14 0	5 1	31	18	J. R. Booth, Beavertown, Ont.
121764	Josephine	Montreal	250 5	37 0	14 3	845	1,072	Canadian Tug Boat Co., Ltd., Vancouver, B.C.
130138	Julia	Montreal	19 8	7 2	3 2	9	2	Montreal Transportation Company, Ltd., Montreal, Que.
103936	Julia	Vancouver	43 9	11 6	4 8	17	11	Albert Fennell, Vancouver, B.C.
103845	Julia	Gladsion, N.B.	84 2	15 4	5 0	117	75	William Anderson, Charlottetown, N.B.
103845	Julia	Kingston	63 2	13 7	5 4	26	23	La Cite de Navigation-Ville-Marie, Quebec, Que.
121840	Judge Moore	St. John, N.B.	96 0	22 1	10 9	109	49	J. A. Linn, et al., Albert, N.B.
133849	Julia C. Moran	Halifax	42 0	12 1	3 0	4	2	War Office, London, England.
132791	Julia S.	Toronto	32 0	8 4	3 0	4	2	Alexander B. Gordon, Toronto, Ont.
120445	Julian V. O'Brien	Kenora	56 0	12 0	4 2	42	22	Patrick Villeneuve, Kenora, Ont.
103580	Julian V. O'Brien	Collingwood	70 0	16 5	8 2	59	31	The Port Colborne Tug Co., Ltd., Port Colborne, Ont.
138131	Judithanne	Quebec	99 0	39 1	15 1	956	790	Canadian Maritime Co., Ltd., Montreal, Que.
131216	Julius Wolff	Sydney, N.S.	33 7	13 7	5 5	35	18	Atlantic Dredging Co., Ltd., Lunenburg, N.S.
124241	Junbo	Halifax	35 0	8 6	3 7	9	6	William Roelie, Roelie's Wharf, Halifax, N.S.
90704	June	Godolph	32 0	14 0	6 0	96	19	John B. Paine, Toronto, Ont.
90771	June	Godolph	139 7	26 8	8 8	288	196	Canada Steamship Lines, Ltd., Montreal, Que.
103962	Junio	Yarmouth	37 0	9 2	4 0	6	4	Mrs. Alice Johnson, Stanwood's Beach, N.S.
130297	Kalston	Vancouver	94 0	18 4	4 6	110	4	Canadian Pacific Railway Co., Ltd., Montreal, Que.
132794	Kanana	Montreal	34 0	9 3	4 6	19	10	Alfred W. LePage, Vancouver, B.C.
140853	Kana	Vancouver	34 9	7 5	2 4	4	2	John B. Slacey, Canglinevaga, Que.
133873	Karl P.	Vancouver	32 5	11 3	6 0	42	16	The Canadian Fishing Co., Ltd., Vancouver, B.C.
96699	Kasib	New Westminster	62 0	13 5	4 8	18	12	Albert Burns, Prince Rupert, B.C.
112173	Kate	Toronto	63 0	13 5	6 0	31	35	J. C. Steveny, Vancouver, B.C.
132969	Katherine K.	Montreal	63 0	9 3	4 0	22	15	H. M. Mowat, Toronto, Ont.
121912	Kathleen	Kenora	58 4	18 4	5 9	58	23	Quinlan & Robertson, Ltd., Montreal, Que.
126931	Kathleen	Liverpool	75 0	14 5	4 0	70	52	Albert Robertson and Russell E. Donnett, J.O., Kenora, Ont.
112253	Kathleen	St. John, N.B.	38 7	10 4	7 1	63	38	The Minister of Railways and Canals, Ottawa, Ont.
126583	Kathleen D.	Quebec	46 8	15 5	5 0	28	19	David McPherson, Lancaster, N.B.
133882	Kathleen III	Vancouver	60 0	12 7	6 3	50	34	J. T. Donohue, Charles Donohue, Murray Bay, Que., and Sir I. C. Forget, Montreal, Que., J.O.
103987	Katie	Toronto	30 0	6 7	2 8	4	3	H. S. Hoffar and J. B. Hoffar, J. O., Vancouver, B.C.
107786	Katie Bell	Ottawa	31 0	6 4	2 4	2	1	C. P. Chisholm, Oakville, Ont.
107571	Kawartha	Lindsay	46 0	9 6	3 6	17	11	John R. Metcalf, Ottawa, Ont.
126794	Kawartha	Vancouver	39 0	8 8	4 5	11	8	William Burgoyne, Fondon Falls, Ont.
								Skema River Fisheries, Ltd., Vancouver, B.C.

Formerly "W. J. Smith," Formerly a sailing vessel. Formerly "William A. Haskell," Formerly "Q.H.C. Grain Boat No 1."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Pronfondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130914	<i>Kawtha</i>	Vancouver	1912	North Vancouver, B.C.	54 2	13 7	5 4	27	18	2 sc.	The Packers Steamship Co., Ltd., Vancouver, B.C.
131489	Kawiganog	Toronto	1913	Orming, Ont.	60 6	14 9	3 6	95	52	1 sc.	Arthur Walton, Loring, Ont.
130224	Kaybee	Owen Sound	1914	Owen Sound, Ont.	30 9	0 0	6 6	10	0	1 sc.	John C. Keenan, Owen Sound, Ont.
126548	<i>Ka-I-Tez</i>	Vancouver	1909	Vancouver, B.C.	42 4	10 0	5 0	20	14	2 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
130293	Kealey	Ottawa	1907	River Deserit, Que.	26 0	12 0	3 3	23	14	2 sc.	Gilmour & Hughson, Ltd., Ottawa, Ont.
129411	<i>Keega</i>	Toronto	1905	Toronto, Ont.	35 5	10 3	5 0	20	14	2 sc.	Tenagami Steamboat & Hotel Co., Ltd., Tenagami, Ont.
122414	<i>Keenan</i>	Owen Sound	1907	Midland, Ont.	91 0	20 8	10 0	133	91	37½ sc.	Keenan Towing Co., Ltd., Owen Sound, Ont.
103680	Keenora	Toronto	1910	Owen Sound, Ont.	119 9	28 0	8 3	486	269	38 sc.	John F. Wallar, Winnipeg, Man.
107210	Keewatin	Kenora	1897	Kenora, Ont.	69 0	6 3	6 2	82	50	13 sc.	Northern Construction Co. Ltd., Winnipeg, Man.
125985	Keewadin	Montreal	1907	Govan, G.B.	339 5	43 8	23 5	3,826	2,470	298 sc.	Canadian Pacific Railway Co., Montreal, Que.
121789	Kezabong	Ottawa	1899	Kezabonga Lake, Que.	38 0	16 0	3 3	14	9	2 pa.	Gilmour & Hughson, Ltd., Ottawa, Ont.
134170	Keith Cann	Yarmouth	1917	Shelburne, N.S.	120 0	25 8	1 8	249	177	53 sc.	Dugh Cam & Son, Ltd., Yarmouth, N.S.
111780	Kelowna	Victoria	1902	Kelowna, B.C.	73 0	18 2	5 7	65	43	4 sc.	D. Lloyd-Jones, Kelowna, B.C.
110574	<i>Kenadigon</i>	Collingwood	1904	Toronto, Ont.	30 6	6 7	3 9	4	3	1 sc.	Alexander McIvor, Little Current, Ont.
107745	Kenning	Kingston	1900	Smith's Falls, Ont.	104 4	20 8	6 7	145	70	23 sc.	Edward Smith, Storrington, Ont.
83229	Kenogami	Quebec	1886	Quebec, Que.	48 5	12 5	5 0	14	14	10 sc.	Evan J. Fries, Quebec, Que.
92715	<i>Kenomec</i>	Turo	1914	Economoy, N.S.	34 2	13 5	6 9	18	17	1 sc.	Jonathan B. Marsh, Economy, N.S.
124255	Kenora	Toronto	1907	Dumbarton, G.B.	249 9	42 6	20 5	1,955	1,275	161 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
103773	<i>Keptom</i>	St. John, N.B.	1896	Freton, N.S.	59 6	14 8	6 1	46	31	14 sc.	James S. Gregory, St. John, N.B.
130637	Koonik	St. John, N.B.	1909	St. John, N.B.	23 9	5 2	2 4	2	2	1 sc.	James H. Barton, St. John, N.B.
122583	Korenoos	Yarmouth	1908	Yarmouth, N.S.	34 0	6 6	4 0	8	4	2 sc.	Geo. S. Lee, Halifax, N.S.
126172	<i>Kortland</i>	New Westminster	1907	New Westminster, B.C.	39 0	8 9	4 8	11	7	1 sc.	W. J. Kerr, Ltd., New Westminster, B.C.
134494	Korry Range	Montreal	1916	Howden-on-Tyne, G.B.	400 0	52 0	27 4	5,308	3,798	535 sc.	Stream Navigation Co. of Canada, Ltd., Montreal, Que.
116332	Kestrel	Ottawa	1903	Vancouver, B.C.	128 0	24 0	12 2	131	188	39 sc.	Fanning Island Ltd, London England.
116379	Kestrel	Port Arthur	1904	Port Arthur, Ont.	36 5	9 5	4 0	13	9	6 sc.	E. C. Tripp, Cloud Bay, Ont.
111564	Kestrel	Toronto	1900	Toronto, Ont.	38 0	8 0	3 5	7	5	4 sc.	Mrs. Mary Schell, Gravenhurst, Ont.
130278	<i>Kevarne</i>	Winnipeg	1912	Selkirk, Man.	53 0	10 9	5 0	26	18	4 sc.	Ernest E. McLasky, Winnipeg, Man.
133052	<i>Keypipe</i>	Chatham, N.B.	1916	Lanek, N.B.	41 0	11 7	4 6	13	11	1 sc.	Geo. D. LeRiche, Lamek, N.B.
131111	Key bell	Montreal	1912	Collingwood, Ont.	258 0	42 6	17 2	1,730	1,254	95½ sc.	The Keystone Transportation Company of Canada, Ltd., Montreal, Que.
131036	Kild	Victoria	.....	U.S.A.	28 8	9 0	3 7	9	8	½ sc.	Harold D. Payne, Saturna, Is., B.C.
133865	<i>Kikapoo</i>	Vancouver	1913	Vancouver, B.C.	30 5	12 2	4 5	10	7	1 sc.	William H. Taylor, Vancouver, B.C.
134291	Kiku	New Westminster	1914	Steveston, B.C.	35 0	9 0	4 2	10	7	1 sc.	Iwakichi Itozaki, Steveston, B.C.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; S., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Noms de Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire-gérant, et adresse.
134274	<i>Kulpaulos</i>	Victoria	1913	Cowichan Bay, B.C.	31 2	8 6	4 8	10	6	1 se.	Northern B.C. Fisheries, Ltd., Vancouver, B.C.
134643	<i>Karp</i>	Victoria	1914	Nanaimo, B.C.	42 5	9 6	7 0	14	9	1 se.	Albert Bramberg, Nanaimo, B.C.
121758	<i>Kuskook</i>	Vancouver	1906	Nelson, B.C.	193 5	30 9	3 7	1,008	548	32 pa.	Canadian Pacific Ry. Co., Montreal, Que.
130318	<i>Kwashid</i>	Toronto	1912	Toronto, Ont.	71 0	15 0	5 7	47	32	3 se.	The Royal Canadian Yacht Club, Toronto, Ont.
126854	<i>Kye</i>	Vancouver	1910	North Vancouver, B.C.	55 9	13 3	6 2	29	30	2 se.	Packer's Steamship Co., Ltd., Vancouver, B.C.
138164	<i>Kymoeh</i>	Vancouver	1916	Steveston, B.C.	43 5	13 6	5 7	30	21	2 se.	Gosse-Millard Packing Company, Ltd., Vancouver, B.C.
130699	<i>Kyrielle</i>	Vancouver	1893	Port Blakeley, Wash., U.S.A.	38 2	12 9	6 1	11	10	3 se.	F. G. T. Lucas, Vancouver, B.C.
134566	<i>L. A. D.</i>	New Westminster	1914	Steveston, B.C.	42 0	10 4	4 2	16	11	2 se.	The Preston Packing Co., Ltd., Vancouver, B.C.
126510	<i>L. C. L. V.</i>	Victoria	1909	Victoria, B.C.	37 6	8 7	3 8	7	6	2 1/2 se.	Mrs. F. J. Smith, Victoria, B.C.
141020	<i>L. H. R.</i>	Vancouver	1917	Roberts Creek, B.C.	30 0	8 7	3 4	4	4	1 se.	Mrs. N. T. Roberts, Roberts Creek, B.C.
131130	<i>L. O. B. Co.</i>	Ottawa	1912	Duck Island, Ont.	42 6	9 0	7 2	19	11	2 1/2 se.	The Lower Ottawa Boom Co., Ltd., Ottawa, Ont.
126453	<i>L. Paul</i>	Sorel	1909	Sorel, Que.	55 2	14 7	5 2	23	16	1 se.	Alphonse Desrochers, Sorel, Que.
126860	<i>L. Robidoux</i>	Montreal	1912	Yamaska, Que.	68 0	14 8	6 0	62	29	24 se.	Robidoux Sand Company, Ltd., West Montreal, Que.
107282	<i>L'Ami</i>	Quebec	1888	Ottawa, Ont.	36 0	6 2	2 4	2	2	4 se.	E. Châteauneuf, et al., Ottawa, Ont.
92770	<i>L'Anjou</i>	Quebec	1890	Lévis, Que.	38 0	10 7	4 4	16	8	20 se.	A. Bernier, Lévis, Que.
138785	<i>L'Éclair du Nord</i>	Quebec	1913	Bic, Que.	37 0	13 5	4 2	16	4	4 se.	Mrs. N. T. Furgon, Beauveville, Que.
130951	<i>L'Original Bay</i>	Montreal	1912	L'Original, Ont.	54 2	13 5	5 1	33	16	4 se.	Abitibi Power & Pulp Co., Ltd., Montreal, Que.
130748	<i>La Bohème</i>	Vancouver	1912	U.S.A.	35 0	9 0	4 6	11	8	2 se.	Frederick G. Aldous, Victoria, B.C.
82778	<i>La Canadienne</i>	Ottawa	1880	Port Glasgow, G.B.	154 3	22 7	10 9	372	227	60 se.	The Atlantic Towing Co., Ltd., Halifax, N.S.
88616	<i>La Hane Packet</i>	Lunenburg	1884	Malbone Bay, N.S.	72 0	21 4	8 8	73	68	1 se.	Robt. J. MacDonald, Winnipeg, Man
131013	<i>La Jeanette</i>	Quebec	1910	Chicoutimi, Que.	28 8	9 6	2 7	12	8	3 se.	Alfred Girard, St. Fulgence, Que.
10884	<i>La Tour</i>	Yarmouth	1888	Yarmouth, N.S.	37 3	20 7	7 8	154	99	30 se.	Hugh Cann & Son, Ltd., Yarmouth, N.S.
133901	<i>Lac St. Pierre</i>	Sorel	1901	Sorel, Que.	90 0	22 3	8 5	339	57	48 se.	The Minister of Marine and Fisheries, Ottawa, Ont.
131125	<i>Lachine</i>	Ottawa	1912	Montreal, Que.	33 0	4 4	26	15	16 1/2	4 se.	The Minister of Railways and Canals, Ottawa, Ont.
133856	<i>Ladner</i>	Vancouver	1913	Steveston, B.C.	33 2	9 4	4 2	11	7	1 se.	Mrs. R. M. Matland, Vancouver, B.C.
134308	<i>Ladner Bay</i>	New Westminster	1912	Port Guelchon, B.C.	30 0	8 0	3 0	5	4	3 se.	John Stoffel, Port Guelchon, B.C.
131122	<i>Lady Auto</i>	Ottawa	1906	Hull, Que.	50 2	10 1	4 6	17	12	5 se.	Nelson Pasquet, Rockland, Ont.
121767	<i>Lady Clare</i>	Vancouver	1909	Vancouver, B.C.	27 0	6 0	2 1	1	1	3 se.	Alfred M. Clare, Vancouver, B.C.
196980	<i>Lady Evelyn</i>	Quebec	1901	Tranmere, G.B.	189 0	26 1	9 5	483	192	150 se.	The Postmaster General, Ottawa, Ont.
111913	<i>Lady Franklin</i>	Toronto	1901	Sparrow Lake, Ont.	36 0	7 6	2 8	5	4	1 se.	Thos. Stanton, Sparrow Lake, Ont.
139454	<i>Lady Fraser</i>	New Westminster	1910	Rosedale, B.C.	35 2	9 0	1 2	12	8	11 se.	Lake Gibson, Hope, B.C.
122014	<i>Lady Grey</i>	Ottawa	1906	Barrow, G.B.	172 0	32 2	15 9	733	294	353 se.	The Minister of Marine and Fisheries, Ottawa, Ont.
130802	<i>Lady Lake</i>	Vancouver	1896	Ballard, Wash., U.S.A.	58 2	15 0	6 7	56	38	16 se.	Charles E. Strong, Vancouver, B.C.

SESSIONAL PAPER No. 22

Table with 14 columns: Name, Port of Origin, Tonnage, Date, Name, Port of Destination, Tonnage, Date, Name, Port of Origin, Tonnage, Date, Name, Port of Destination, Tonnage, Date. Includes entries like 'Lady Laurier', 'Laurie', 'Laurin', etc.

Formerly "Nymph." Formerly "King Edward." Formerly "Gertrude S." Formerly "Restigouche" and "Athol." Formerly "Saxton" a recovered wreck. Formerly "Deerhound." Formerly "Foxhound." Formerly "Kelpie." Formerly "Nyanza." Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons- truction	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion.	Power and mode of propulsion. Puissance des machines en c. v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.	
131102	<i>Laval Ferry</i>	Montreal	1912	Montreal, Que.	33	10 0	3 2	0	9	1 sc.	Georges Harvey, Montreal, Que.		
134555	<i>Laval No. 1</i>	Montreal	1914	Montreal, Que.	38	7 2	3 4	5	4	1 sc.	Georges Harvey, Montreal, Que.		
134154	<i>Laval No. 2</i>	Montreal	1913	Montreal, Que.	32	6 0	2 4	3	2	1 sc.	Joseph F. Morin, Montreal, Que.		
130473	<i>Laurin B.</i>	Montreal	1910	Tanouk, N.S.	41	2 0	3 5	12	11	1 sc.	Austin C. Nickerson, Yarmouth, N.S.		
133006	<i>Laviolette</i>	Sorel	1912	Sorel, Que.	84	2 1	7 8	213	88	4 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.		
133519	<i>Lavia</i>	Montreal	1903	Seattle, Wash., U.S.A.	37	0	7 2	11	8	4 sc.	Wilfred Tickle, North Vancouver, B.C.		
133837	<i>Laurier</i>	Montreal	1903	North Hatley, Que.	15	6 0	9 9	18	10	4 sc.	Cornwall Terminal Co., Ltd., Montreal, Que.		
130369	<i>Laurier B.</i>	Arichat	1915	Louisdale, N.S.	29	6 0	4 8	11	10	1 sc.	Lawrence B. Sturpison, Louisdale, N.S.		
103147	<i>Le Cadon</i>	Quebec	1891	Cedar Hill, Que.	51	5 0	6 0	19	13	23 sc.	R. M. Blais, Cedar Hill, Que.		
126158	<i>Le Florent</i>	Quebec	1891	Roberval, Que.	78	8 0	23 8	4	173	11 pa.	Quebec Development Co., Ltd., Montreal, Que.		
128063	<i>Le Pas</i>	Montreal	1908	Bout de l'Isle, Que.	44	4 0	3 6	4	17	11 pa.	Theophile Archambault, Bout de l'Isle, Que.		
128414	<i>Le Progrès</i>	Ottawa	1916	Fort Compton, Que.	44	18 0	4 4	4	17	11 pa.	Theophile Vaillancourt, Fort Compton, Que.		
134113	<i>Le Roberval</i>	Quebec	1914	Solkark, Man.	50	0	11 5	4	23	16 sc.	The Minister of Public Works, Ottawa, Ont.		
116226	<i>Le Roy Brooks</i>	Quebec	1912	Louzon, Que.	82	5 0	32 5	4	465	242	37 sc.	La Corporation de la Cité des Trois Rivières, Que.	
117119	<i>Le B.</i>	Quebec	1902	Roberval, Que.	126	8 0	22 4	4	126	71	10 pa.	T. J. Kiekhaefer, Quebec, Que.	
116120	<i>Le B.</i>	Quebec	1905	Vancouver, B.C.	108	3 0	15 2	12	196	133	51 sc.	John S. McQueen, Vancouver, B.C.	
103131	<i>Lecl.</i>	Amherstburg	1891	Tuloso, Ohio, U.S.A.	71	3 0	8 1	61	42	2 sc.	John S. McQueen, Amherstburg, Ont.		
100829	<i>Leclair</i>	St. John, N.B.	1885	Three Rivers, Que.	42	6 0	9 8	20	20	5 sc.	The New Brunswick Construction Co., Ltd., Wellsford, N.B.		
100049	<i>Leclair</i>	St. John, N.B.	1884	St. John, N.B.	56	6 0	13 0	4	29	1	4 sc.	F. Leclair, Ottawa, Ont.	
100049	<i>Leclair</i>	St. John, N.B.	1885	Ottawa, Ont.	46	8 0	9 6	2	1	7	4 sc.	F. Leclair, Brockville, Ont.	
122934	<i>Leclair</i>	Brockville	1897	Kingston, Ont.	166	0	3 4	9	7	1	1 sc.	Crescent Shipping Co., Ltd., Victoria, B.C.	
133077	<i>Leclair</i>	Victoria	1908	Victoria, B.C.	123	5 0	28 8	11	323	198	22 sc.	Sebastian Savoy, Sto. Martin, Shippigan Island, N.B.	
133725	<i>Leclair</i>	Victoria	1913	Lamok, N.B.	35	0	11 0	5	2	1	1 sc.	Frank Masters, Victoria, B.C.	
131723	<i>Leclair</i>	Victoria	1913	Lamok, N.B.	30	0	4 5	2	1	1	1 sc.	Thomas Drvor and Stewart, Drvor, Collingwood, Ont.	
131077	<i>Leclair</i>	Collingwood	1904	Collingwood, Ont.	63	0	13 6	36	25	10 sc.	Frank C. Stratford and Thomas W. Allan, Victoria, B.C.		
122550	<i>Leclair</i>	Victoria	1906	Vancouver, B.C.	36	0	9 0	6	6	2	2 sc.	The Minister of Lands, Victoria, B.C.	
122550	<i>Leclair</i>	Victoria	1906	Vancouver, B.C.	49	3 0	11 5	6	12	12	1 sc.	Edison W. Gupill, Grand Harbour, Grand Manan, N.B.	
107342	<i>Leclair</i>	St. Andrews	1900	Louisville, U.S.A.	40	1 0	12 2	4	8	14	19 sc.	Edward W. Moss and Allan Ross, J. O., Tp. of Dunn, Ont.	
129072	<i>Leclair</i>	St. Andrews	1898	St. Williams, Ont.	45	0	6 2	5	3	2	1 sc.	Henry Louis Beston, Hamilton, Ont.	
134453	<i>Leclair</i>	Toronto	1906	Hamilton, Ont.	25	5 0	2 7	3	17	4	4 sc.	British Columbia and Labrador Fisheries, Ltd., Victoria, B.C.	
129681	<i>Leclair</i>	Victoria	1907	Tacoma, Wash., U.S.A.	50	3 0	15 0	3	34	17	4 sc.	The Victoria Harbour Lumber Co., Ltd., Toronto, Ont.	
129671	<i>Leclair</i>	St. John's, Nfld.	1910	St. John's, Nfld.	62	0	15 0	5	8	47	32	1 sc.	J. A. McDougal, Kingston, P.E.I.
122312	<i>Leclair</i>	Charlottetown	1906	Portage, Ont.	33	0	12 2	5	4	1	1 sc.	The Upper Ontario Steamboat Co., Ltd., New Liskeard, Ont.	
134029	<i>Leclair</i>	Victoria	1911	Powassanville, Ont.	35	0	7 6	7	4	1	1 sc.	Ernest W. Cox and Wilfr. J. O., Seaton Lake, B.C.	

SESSIONAL PAPER No. 22

137991	<i>Zeno S.</i>	1912	Petit de Grat, N.S.	316	98	46	11	11	3 sc.	A. N. Comeau and John H. Balcom, J.O., Petit de Grat, N.S.
88433	Lennox.	1887	Dartmouth, N.S.	610	178	75	66	42	30 pa.	John Murelhoun, Grand River, N.S.
112278	Lenora.	1900	Seven Islands, Que.	38	0	3	5	5	10 sc.	The Seven Islands Company, Montreal, Que.
103707	Lenore.	1887	Carmouth, N.S.	44	0	3	15	6	9 sc.	W. F. B. Smith, Hanptsstead, Middlesex, Eng.
90816	Lenore.	1887	Cobourg, Ont.	39	0	3	4	4	9 sc.	H. Dennis, Cobourg, Ont.
138349	<i>Zeno.</i>	1917	Mahone Bay, N.S.	610	134	6	28	24	2 sc.	James W. Harrison, Halifax, N.S.
138350	<i>Leo D.</i>	1907	Montreal, Que.	319	74	3	2	1	1 sc.	John A. Cooke, Grenville, Que.
138789	<i>Leo S.</i>	1914	Wyandotte, Mich., U.S.A.	268	62	3	3	3	3 sc.	Charles A. Dillane, Little Current, Ont.
138112	<i>Zeno S.</i>	1904	Steveston, B.C.	29	0	7	4	4	14 sc.	Louis True, Steveston, B.C.
126170	<i>Zeno.</i>	1883	High Falls, Que.	24	6	2	3	3	17 sc.	Herbert Rushton, New Westminster, B.C.
100928	Leonard.	1914	New Westminster, B.C.	44	7	3	15	12	10 sc.	L. Cyr, High Falls, Que.
138088	<i>Leonard M.</i>	1911	Quebec.	313	0	20	3,369	1,491	318 sc.	The Minister of Railways and Canals, Ottawa, Ont.
130738	<i>Leonard.</i>	1889	Vancouver.	44	0	4	14	9	2 sc.	Clarence Muselow, North Vancouver, B.C.
107738	<i>Leone G.</i>	1905	Roekport, Ont.	37	4	4	4	3	6 sc.	Frederick Huck, Roekport, Ont.
131170	<i>Leone V.</i>	1905	Lambton, N.S.	40	10	5	12	11	7 sc.	Alexander Greak, M.O., Blue Rocks, N.S.
133673	<i>Leone.</i>	1914	Sambro, N.S.	31	6	8	3	3	3 sc.	John J. Smith, Sambro, N.S.
122935	<i>Leonor.</i>	1886	Gloucestor, Mass., U.S.A.	56	0	3	27	24	2 sc.	Isaac Bowser, Ostrea Bay, N.S.
80993	<i>Leonor.</i>	1870	Vancouver, B.C.	57	0	5	18	13	15 sc.	C. L. Shaw and M. K. Morrison, Vancouver, B.C.
188331	<i>Leppic.</i>	1917	Vancouver, B.C.	32	0	5	4	4	5 sc.	Alfred W. LePage, Vancouver, B.C.
141723	<i>Leslie Evans.</i>	1918	Vancouver, B.C.	25	1	8	7	5	5 sc.	James A. Goldsmith and Vincent Moukin, J.O., Vancouver, B.C.
126358	<i>Let Me Pass.</i>	1905	Vancouver, B.C.	26	0	3	6	4	1 sc.	Alfred G. Daighton, Van Andra, B.C.
130614	<i>Letitia Sophia.</i>	1910	Victoria, B.C.	30	4	2	6	4	1 sc.	Augustus H. Aldridge, South Pender Island, B.C.
126842	Levis.	1910	Lauzon, Que.	133	3	11	0	281	32 sc.	Levis Ferry, Ltd., Levis, Que.
133904	Levis.	1901	Sorel, Que.	96	0	419	88	88	48 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
126155	Lib.	1908	Montreal, Que.	62	5	31	15	4	4 sc.	W. J. Finn, Montreal, Que., and S. Thompson, Toronto, Ont., J.O.
107513	Libbie.	1898	Lakefield, Ont.	28	5	8	2	4	4 sc.	Wellington McDonald, Lakefield, Ont.
116279	<i>Liberty.</i>	1903	Sheet Harbour, N.S.	76	20	3	96	42	75 sc.	The Minister of Militia & Defence, Ottawa, Ont.
122980	<i>Light Star.</i>	1907	Vancouver, B.C.	30	9	4	7	5	3 sc.	John Valente, Vancouver, B.C.
107156	Lightning.	1898	Vancouver, B.C.	140	0	30	5	351	43 pa.	The Northern Light, Power & Coal Co., Ltd., Dawson, Y.T.
118599	Lilias.	1902	Ottawa, Ont.	36	0	3	2	2	4 sc.	Thos. F. Ahearn, Ottawa, Ont.
103847	Lillian.	1896	Ottawa, Ont.	26	0	3	2	1	1 sc.	S. G. Lindsay, Ottawa, Ont.
94767	Lillian.	1883	Owen Sound, Ont.	30	1	3	6	4	1 sc.	Chas. Martin, Jr., Simcoe, Ont.
133817	<i>Lillian G.</i>	1910	Chester, N.S.	42	0	5	12	11	3 sc.	David Graves, Chester, N.S.
138175	<i>Lillian M.</i>	1915	Prince Rupert, B.C.	40	2	5	13	9	1 sc.	George W. Nickerson, Prince Rupert, B.C.
138177	<i>Lillian S.</i>	1909	Seattle, Wash., U.S.A.	40	0	5	7	2	2 sc.	Samuel Curney, Prince Rupert, B.C.
58343	Lillie.	1883	Yarmouth, N.B.	69	17	4	72	49	60 sc.	Ralph W. Hoopry, Halifax, N.S.
116848	Lillie Seaman.	1891	Owen Sound.	45	0	6	19	13	2 sc.	Union Bank of Canada, Winnipeg, Man.
103219	Lillie of the Valley.	1881	Deux-Rivieres, Ont.	33	7	2	2	2	6 sc.	P. Seig, Mackey's Station, Ont.
122995	Lilloet.	1908	Victoria, B.C.	163	0	13	0	311	94 sc.	The Minister of the Naval Service, Ottawa, Ont.
94985	Lilly.	1890	Oakville, Ont.	51	3	5	22	15	3 sc.	The Victoria Harbour Lumber Co., Ltd., Toronto, Ont.
80020	Lilly Glacier.	1880	Victoria Harbour, Ont.	123	9	2	209	132	40 pa.	The St. John River Log Driving Co., Deven, N.B.
103574	Lilly May.	1895	Indianow, N.B.	32	0	3	11	3	2 sc.	Geo. Denis, Pictou, N.S.
130871	Lilona.	1912	North River, Ont.	35	3	3	5	1	1 sc.	Wm. Russell Jaynes, New Westminster, B.C.
107255	Lily.	1908	New Westminster, B.C.	32	0	9	9	6	13 sc.	Alexander Coutts, New Westminster, B.C.
111545	Lily.	1900	Vancouver, B.C.	29	0	3	7	5	3 sc.	John J. Vickers, Vancouver, B.C.
116489	Lily.	1904	Vancouver, B.C.	30	9	6	3	3	3 sc.	Wm. Hockey and Robert Kelly, Vancouver, B.C.
120627	<i>Lily M. Hodge.</i>	1913	Yarmouth, N.S.	59	7	7	45	31	2 sc.	The Lockport Cold Storage Co., Ltd., Lockport, N.S.
106209	<i>Lilod.</i>	1908	Vancouver, B.C.	46	0	2	16	16	31 sc.	William J. Massey, Vancouver, B.C.
103277	Lina.	1894	Chatham, N.B.	53	2	4	8	26	12 sc.	Robert Loggie M.O., Black Brook, N.B.
130359	Lina May.	1911	Cape George, N.S.	30	0	5	6	11	9 sc.	Paul T. Wilson, Arichat, N.S.
117008	Linda.	1904	Vancouver, B.C.	52	0	6	37	25	4 sc.	The Canada Fish Products Ltd., 39 Old Broad St., London, Eng.
122562	Linda.	1907	Vancouver, B.C.	30	8	6	8	6	1 sc.	D. M. Moore Vancouver, B.C.
112183	Linden.	1902	Maguetawan, Ont.	40	0	2	4	3	1 sc.	Henry Wallon Macnetawan, Ont.
132510	Lincan.	1911	Middlesborough, G.B.	375	4	6	4	2603	490 sc.	Lincan Steamship Company, Ltd., Halifax, N.S.
126723	Lionta.	1910	Lakefield, Ont.	82	4	7	5	40	8 sc.	Charles F. Gray, Lakefield, Ont.
1002560	Lion.	1888	Halifax, N.S.	47	4	5	27	18	8 sc.	Louis Holter, Lakefield, N.S.

¹Formerly a sailing vessel. ²Foreign name "Peter Smith." ³Foreign name "Leo." ⁴Foreign name "Quirkstep" and a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations.—*U*—United States; *J.O.*, Joint owners—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Puddle—à aubas; *Sc.*, Screw—à hélice.
 ©—Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *Italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
112187	Lion	Toronto	1902	Dunchurch, Ont.	31 5	7 3	2 7	5	3	1 sc.	Albert McCallum, Toronto, Ont.
126193	Lisgar	Montreal	1909	Sorel, Que.	91 8	22 1	10 7	210	118	46 sc.	The Minister of Public Works, Ottawa, Ont.
122272	Lisgar	Winnipeg	1910	Selkirk, Man.	44 0	13 7	5 0	26	18	2 sc.	The Minister of Public Works, Ottawa, Ont.
111459	Little Boals	Winnipeg	1902	Selkirk, Man.	35 0	9 2	3 5	13	9	1 sc.	Winnipeg General Power Co., Ltd., Winnipeg, Man.
122250	Little Dan	Amherst	1908	West Bay, N.S.	38 0	10 0	4 0	6	4	1 sc.	William A. Downey, Amherst, N.S.
92758	Little Emily	Quebec	1889	Quebec, Que.	25 0	8 0	3 2	6	4	7 sc.	Louis Gagnon, Pontecost River, Que.
121702	Little Tap	Toronto	1902	Racine, Wis., U.S.A.	22 5	5 6	2 0	2	1	5 sc.	A. V. Donaldson, PARRY SOUND, Ont.
138530	Little Jessie	Lancenburg	1890	South Boston, Mass., U.S.	48 6	13 2	7 5	22	21	5 sc.	Gilbert Redmond Liscomb, N.S.
130327	Little Queen	Kingston	1911	Cape Vincent, N.Y., U.S.A.	41 6	9 8	5 5	13	10	4 sc.	Grant Pyke, Wolfe Island, Ont.
103849	Little Roxy	Ottawa	1896	Baie des Peres, Que.	41 7	8 3	3 0	12	7	4 sc.	M. Rothchilds, Baie des Peres, Que.
120437	Lizbeth	Kenora	1909	Port Frances, Ont.	45 0	10 4	4 0	25	11	3 sc.	Rat Portage Lumber Co., Ltd., St. Boniface, Man.
103467	Lizzie May	Archie	1900	River Bourgeois, N.S.	40 0	12 4	5 9	11	11	15 sc.	Simon and Michael Le Blanc, J.O., Petit de Grat, N.S.
107131	Lizzie May	Goderich	1897	Goderich, Ont.	55 0	12 1	4 8	18	12	8 sc.	John Harrison & Sons Co., Ltd., Owen Sound, Ont.
130856	Lo Obice	Vancouver	1911	Vancouver, B.C.	64 0	13 0	4 6	40	27	2 sc.	Harbour Shipping Co., Ltd., Vancouver, B.C.
130932	Loofler II	Montreal	1912	Montreal, Que.	42 5	9 4	6 0	12	8	25 sc.	Ralph Burnett, Montreal, Que.
130901	Loatida	Vancouver	1912	Vancouver, B.C.	56 8	11 5	7 2	31	21	4 sc.	The Canadian Robert Dollar Co., Ltd., Vancouver, B.C.
133820	Lobeta L	Lancenburg	1913	Little Tanook, N.S.	48 13	13 0	7 8	25	24	3 sc.	Fred. Cornelius, et al., Packard's Cove, N.S.
100198	Logger	Vancouver	1891	Vancouver, B.C.	44 0	3 9	3 9	19	13	5 sc.	Lawrence O'Brien, Vancouver, B.C.
131065	Lois M. C.	Vancouver	1912	Tanook, N.S.	40 4	10 2	6 0	13	12	3 sc.	Alvin Cross, Tanook, N.S.
122633	Lolita	Lancenburg	1904	Gananoque, Ont.	24 6	5 5	2 3	7	1	5 sc.	William Funnell, Gananoque, Ont.
124836	Lolita	St. John, N.B.	1897	Boston, Mass., U.S.A.	46 1	10 0	4 8	14	10	4 sc.	L. J. Whippley, Carters Point, N.B.
126853	Long Saull	Quebec	1911	Sorel, Que.	65 0	17 6	6 5	69	28	8 sc.	Lachance, Limitée, Quebec, Que.
129266	Longboat	Toronto	1901	Sincoo, Ont.	37 0	10 0	4 0	23	15	2 sc.	The Ontario Lumber Co., Ltd., Toronto, Ont.
131087	Longlad	Toronto	1911	Moon Falls, Ont.	63 0	10 0	3 2	22	15	3 sc.	Henry Arnold, Moon Falls, Muskoka, Ont.
90531	Longueil	Montreal	1884	Montreal, Que.	170 1	57 5	9 1	379	231	75 hp.	Canada Steamship Lines, Ltd., Montreal, Que.
129455	Lorancia	Montreal	1909	Sorel, Que.	112 0	22 2	7 7	346	205	47 sc.	J. O. Slocotte, et al., J.O., Valleyfield, Que.
126716	Lord Derestord	St. John, N.B.	1909	Valleyfield, Que.	75 2	18 6	8 9	112	18	25 sc.	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
108624	Lord Dufferin	Montreal	1898	Jarrow-on-Tyne, G.B.	400 0	48 7	28 6	4,664	3,007	500 sc.	Gaston Williams & Wigmore of Canada, Ltd., Toronto, Ont.
112230	Lord Kitchener	St. John, N.B.	1893	St. John, N.B.	95 3	22 1	10 7	161	110	47 sc.	Thomas Bell, St. John, N.B.
110506	Lord Ormondo	Quebec	1899	Low Walker on Tyne, G.B.	360 0	46 2	27 2	3,914	2,533	320 sc.	Dominion Mercantile Marine Corporation, Ltd., Montreal, Que.
115101	Lord Roberts	St. John, N.B.	1900	St. John, N.B.	61 0	16 5	7 6	56	38	16 sc.	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice
 ©Equipped with Wireless Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship.	Port of Registry.	Build.	Where Built.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address.
N ^o officiel.	Nom du navire.	Port d'enregistrement.	Construction.	Lieu de construction.	Longueur en pieds et 10es.	Largeur en pieds et 10es.	Profondeur en pieds et 10es.	Tonnage brut.	Tonnage enregistré.	Puissance des machines en c.v. et mode de propulsion.	Armateur ou propriétaire gérant, et adresse.
133703	<i>Lureia</i>	Vancouver	1912	Vancouver, B.C.	34.2	8 0	4 1	10	7	1/2 sc.	Thomas F. Greenlow, Vancouver, B.C.
100229	Lurioso	Halifax	1893	New York, N.Y., U.S.A.	21 0	5 4	3 2	2	1	3 sc.	F. D. Corbett, Halifax, N.S.
137959	Luseland	Vancouver	1915	Vancouver, B.C.	32 1	9 6	3 9	3	6	1 sc.	Robert Smith, Vancouver, B.C.
116934	<i>Lyzackson</i>	Victoria	1905	Valdez Island, B.C.	47.2	10 8	4 7	22	11	4 sc.	A. Thomas, et al., J. O., Valdez Island, B.C.
126085	<i>Lyzakis</i>	Vancouver	1908	Vancouver, B.C.	32 0	8 0	3 5	8	6	1 sc.	Harry Henning, Vancouver, B.C.
116958	<i>Lyle</i>	Sarnia	1904	Algoma, Mich., U.S.A.	30 0	7 5	2 8	5	3	1/2 sc.	Duncan J. Symes and Henry M. Smith, Corunna, Ont.
126758	<i>Lyon C.</i>	Montreal	1909	Cornwall, Ont.	53 3	14 8	6 6	40	19	6 sc.	Lyon Colten, Montreal, Que.
134119	M. C. M.	New Westminster	1914	New Westminster, B.C.	69 3	17 3	6 9	73	46	16 sc.	Joseph Mayers, New Westminster, B.C.
130757	M. T. Co. No. 1.	Vancouver	1900	Beach, Wash., U.S.A.	46 5	11 6	4 4	20	14	3 sc.	A. M. Snider, Vancouver, B.C.
130907	M. T. Co. No. 3.	Vancouver	1908	Tacoma, Wash., U.S.A.	46 4	12 6	4 0	15	10	3 sc.	Ocean Pools, Ltd., Vancouver, B.C.
134048	M. & F. No. 8.	Sorel	1906	Sorel, Que.	264 0	47 1	15 1	2,050	10	74 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
134365	M. & F. Dredge No. 14.	Sorel	1914	Collingwood, Ont.	223 3	37 6	13 0	888	332	87 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
134306	M. F. Dredge No. 15.	Sorel	1914	Collingwood, Ont.	223 0	37 6	13 0	888	332	87 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
134304	M. & F. Hopper	Sorel	1913	Levis, Que.	180 0	32 1	13 4	676	253	74 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
133952	M. & F. Hopper	Sorel	1915	Collingwood, Ont.	180 0	32 1	13 6	743	356	72 sc.	The Minister of Marine of Fisheries, Ottawa, Ont.
112143	M. & W.	Kingston	1902	Kingston, Ont.	40 6	10 1	4 0	8	6	8 sc.	David A. Mitchell, Gananoque, Ont.
138252	<i>M. E. Corkum</i>	Lanenburg	1916	Lanenburg, N.S.	39 6	11 0	5 2	12	11	1 sc.	Amiel Corkum, Middle La Have, N.S.
108137	<i>M. E. Hackett</i>	Quebec	1894	Quebec, Que.	70 2	18 8	7 4	78	53	75 sc.	Wm. Hackett, Quebec, Que.
122389	<i>M. E. Smith</i>	Victoria	1907	Victoria, B.C.	30 0	9 0	5 8	8	4	6 sc.	James Christensen, et al., Victoria, B.C.
126508	<i>M. E. Werry</i>	Sydney, N.S.	1907	Little Bras d'Or, N.S.	35 0	11 2	5 5	14	14	1/2 sc.	Daniel Landry, Point Aconi, Little Bras d'Or, N.S.
103571	M. G. McDonald	Collingwood	1885	Collingwood, Ont.	70 0	14 6	6 0	35	24	9 sc.	James P. McDonald, Blind River, Ont.
137994	<i>M. H. Morris</i>	Ariehat.	1916	Ecum Secum, N.S.	37 0	12 5	5 4	19	19	1 sc.	Wm. Morris, Ecum Secum, N.S.
126050	M. J. O'Brien	Port Arthur	1909	O'Brien, Ont.	100 0	24 5	4 0	253	159	6 pa.	The New Ontario Transportation Co., Ltd., Port Arthur, Ont.
92304	M. Maree	Collingwood	1887	Collingwood, Ont.	44 0	9 0	4 6	12	9	3 sc.	The Sarnia Log Towing Co., Ltd., Sarnia, Ont.
134470	M. Moran	Halifax	1912	Gannden, N. J., U.S.A.	109 0	25 7	14 5	315	111	54 sc.	War Office, London, England.
138447	M. Moran	Weymouth	1917	Church Point, N.S.	113 2	30 0	11 4	276	161	28 sc.	The Globe Steamship Co., Ltd., Halifax, N.S.
126557	Maagen	New Westminster	1909	Victoria, B.C.	52 5	16 2	6 8	43	29	12 sc.	Walter J. Thicke, Vancouver, B.C.
138351	<i>Mabel Brown</i>	Vancouver	1917	North Vancouver, B.C.	240 0	43 3	19 0	1,474	917	36 sc.	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
117088	Mabel D.	Collingwood	1907	Collingwood, Ont.	61 0	15 0	6 6	38	25	10 1/2 sc.	The Rondeau Fish Co., Ltd., Eretau, Ont.

LIST OF STEAM VESSELS

SESSIONAL PAPER No. 22

No.	Name	Company	Tonnage	Length	Breadth	Speed	Engine	Agent
107259	Mabel F.	New Westminster	40 0	10 0	4 0	10 0	Linderman, B.C.	Matthew Watson, Carcross, Y. T.
107260	Mabel G.	Toronto	36 0	8 3	3 6	10 0	Penetanguishene, Ont.	Wm. McM. Thomson, Penetanguishene, Ont.
107261	Mabel K.	Halifax	31 0	8 3	3 6	10 0	Lockport, N.S.	Mrs. Rosanna Neville, Halifax, N.S.
130989	Mabel L.	Chatham, N.B.	41 0	11 0	5 3	15 10	Lameck, N.B.	Philip Luce, Lameck, N.B.
107195	Mabel M.	Southampton	39 0	10 5	4 4	13 7	Port Elgin, Ont.	Andrew Campbell, Port Elgin, Ont.
100037	Mabel MacDonald	Toronto	61 0	14 3	7 8	42 18	Toronto, Ont.	Randolph Macdonald Co., Ltd., Toronto, Ont.
122597	Mabel Reid	St. Andrews	68 0	15 9	6 4	43 17	Freeport, Me., U.S.A.	The Minister of Public Works, Ottawa, Ont.
138654	Mabel Stewart	Vancouver	23 2	44 0	19 2	1, 472	North Vancouver, B.C.	Canada West Coast Navigation Co., Ltd., Vancouver, B.C.
138041	Mabel W.	Port Hawkesbury	45 0	11 7	5 6	12 12	Eastern Harbour, N.S.	Robert T. Matthews, et al., J.O., Queensport, N.S.
130618	Mabelle	Victoria	70 2	15 2	6 2	54 31	Boston, Mass., U.S.A.	Joseph A. Mackay and W. G. Scott, James Island, B.C.
134074	Mac-All	Vancouver	29 0	7 0	3 2	5 3	Steveston, B.C.	G. A. MacKay and W. G. Scott, James Island, B.C.
103974	Macnamara	Quebec	30 2	6 6	3 1	4 4	Carleton Place, Ont.	Megantic Fish and Game Club, Aenes, Que.
93932	Macassa	Hamilton	178 4	24 1	16 3	529	Port Glasgow, G.B.	Canada Steamship Lines, Ltd., Montreal, Que.
111940	McCulloch	London	36 8	10 5	3 9	21 13	Collingwood, Ont.	R. C. Carter, M.O., Deseronto, Ont.
117117	McCulloch	Vancouver	61 0	14 7	6 7	39 24	Vancouver, B.C.	North Coast Towing Co., Ltd., Prince Rupert, B.C.
126260	MacKelvie	Chatham, N.B.	60 0	15 0	4 6	44 22	Campbellton, N.B.	Wm. H. Miller, Campbellton, N.B.
130279	MacKenzie River	Winnipeg	126 0	26 0	5 0	413 287	Port Smith, N.W.T.	The Hudson's Bay Co., London, G.B.
126440	McL (The)	Vancouver	38 0	10 1	4 5	10 2	Vancouver, B.C.	William P. Swan, Vancouver, B.C.
138563	McLaughlin	Stelburne	69 9	13 9	6 6	29 24	East Pulman, N.S.	H. R. Swin, M.O., Lockport, N.S.
138070	McLean	Ottawa	38 0	13 0	2 0	14 9	Ottawa, Ont.	William McLean, Quyon, Que.
111568	McLean Bros.	Toronto	92 0	2 1	2 1	2 2	Goderich, Ont.	Frank H. McLean, Straford, Ont.
83221	McNaughton	Montreal	82 0	18 4	8 4	137 37	Lévis, Que.	Howard A. Foster, St. Catharines, Ont.
138778	MacKenzie	Sault Ste Marie	53 0	18 4	7 1	146 69	Sault Ste Marie, U.S.A.	James E. Pastoris, Kingsville, Ont.
138578	MacKenzie	Montreal	71 0	22 6	10 5	146 69	Sault Ste Marie, U.S.A.	James E. Pastoris, Kingsville, Ont.
83384	Madeline	Toronto	69 0	18 5	5 1	29 32	Brant, Ont.	The Sincennes McNaughton Line, Ltd., Montreal, Que.
130624	Madeline A.	Yarmouth	64 0	18 2	7 0	39 27	Yarmouth, N.S.	Stephen L. Peer, Port Credit, Ont.
103851	Madeline Dyke	Vancouver	35 0	10 4	4 8	10 7	Vancouver, B.C.	Leonard Fisheries Ltd., Montreal, Que.
103853	Madras	Kinross	36 8	7 5	4 0	7 5	Bellefleur, Ont.	Stanley J. Steeves, et al., Vancouver, B.C.
111961	Madras	Pictou, Ont.	40 0	8 0	3 8	7 5	Pictou, Ont.	Henry Richardson, Kinross, Ont.
121984	Madras	Victoria	40 0	8 0	3 8	7 5	Victoria, B.C.	Canada Steamships Lines, Ltd., Montreal, Que.
130477	Madras A. P.	Lanenburg	44 8	10 2	5 2	11 10	Victoria, B.C.	The Minister of Agriculture, Ottawa, Ont.
129244	Magaretta	Toronto	28 0	9 0	4 2	8 4	Victoria, B.C.	Mrs. Charles G. Doering, Duncan, N.S.
85405	Magdalen	Magdalen Islands	67 0	14 4	6 4	25 92	St. John, N.B.	William E. Bigwood, Toronto, Ont.
74327	Magie K.	Ottawa	62 0	16 0	6 2	35 26	Buffalo, N.Y., U.S.A.	William G. Leslie, Grimsby, Ont.
94752	Magie M.	Ottawa	68 0	11 5	4 4	25 13	Buffalo, N.Y., U.S.A.	Edward Armstrong, Port Colborne, Ont.
111424	Magie N.	Halifax	68 3	16 3	5 7	66 45	Portland, N.B.	The Minister of Public Works Ottawa, Ont.
126850	Magie O.	St. John, N.B.	40 8	10 7	5 6	13 11	Malbone Bay, N.S.	James W. Gordon, North Sydney, N.S.
94653	Magie P.	Collingwood	40 0	8 5	4 5	19 16	Malbone Bay, N.S.	Oswald Dauphine and Abel E. Bouthier, Bouthier's Cove, N.S.
96968	Magie Q.	Kingston	51 7	13 2	5 4	20 20	Gravenhurst, Ont.	David Sehall, Gravenhurst, Ont.
100086	Magrie Miller	St. John, N.B.	78 5	24 0	6 6	146 92	Washburn, Ont.	H. S. Parrot, Leclereville, Que.
94706	Magrie R. King	Montreal	50 0	13 0	6 0	27 30	St. John, N.B.	Robert W. White, M.O., St. John, N.B.
103690	Magrotha	Midland	136 0	21 4	13 7	307 191	Port Robinson, Ont.	Canadian Dredging Co., Ltd., Midland, Ont.
107781	Maguana	Halifax	63 0	12 2	5 7	20 19	Midland, Ont.	Canada Steamship Lines, Ltd., Montreal, Que.
116515	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
130872	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
90692	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
121728	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
103695	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
138291	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
107093	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.
121771	Maguana	Quebec	86 0	19 8	10 5	127 79	Port Robinson, Ont.	Halifax Navigation Co., Ltd., Halifax, N.S.

*Formerly name "Phantom." *Formerly name "Vixen." *Formerly name "Gladys." *Formerly name "Jos. B. Dewey."
 †Formerly "C. W. Fadness." †Formerly "Fraser Perry No. 1." †Formerly "Gladys." †Formerly name "Jos. B. Dewey."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italiques.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. C.V. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
131263	Major	Midland	1889	West Bay City, Mich., U.S.A.	292 6	41 0	20 4	2,149	1,721	137 sc.	Great Lakes Transportation Co., Ltd., Midland, Ont.
131150	<i>Mabescoui</i>	Vancouver	1910	Port Blakely, Wash., U.S.A.	35 1	11 2	4 0	14	9	14 sc.	Wm. Sulley, Jr., Vancouver, B.C.
131180	<i>Malada</i>	Lambertburg	1913	Tancook, N.S.	47 2	13 3	7 0	22	21	1 sc.	Harris Fleet, M.O., Blandford, N.S.
133778	<i>Malabal</i>	Victoria	1912	Vancouver, B.C.	26 6	7 4	2 3	5	3	3 sc.	William R. Macdonald and Lancelot H. Sheffield, Deep Bay, B.C.
131655	<i>Malabal</i>	Victoria	1917	Victoria, B.C.	215 7	43 8	21 2	1,514	1,169	18 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
136044	<i>Malaspina</i> ○	Ottawa	1913	Dublin, Ireland	162 4	27 1	13 1	392	129	161 sc.	The Minister of the Naval Service, Ottawa, Ont.
107683	<i>Malinche</i>	Prescott	1904	Ogdensburg, N.Y., U.S.A.	37 7	6 5	3 6	7	5	3 sc.	Captain W. J. Murphy, Morrisburg, Ont.
130439	Malton	Sarnia	1888	Detroit, Mich., U.S.A.	252 0	40 2	18 5	1,651	988	103 sc.	Alfred E. Mathews, Toronto, Ont.
107243	Mamie	New Westminster	1892	New Westminster, B.C.	32 0	6 0	3 0	4	4	1 sc.	A. M. Snider, Vancouver, B.C.
107875	Maneja	Lindsay	1906	Bobaygeon, Ont.	66 0	13 4	3 8	34	23	40 sc.	Geo. A. Smith, Bobaygeon, Ont.
121940	<i>Manello</i>	Halifax	1916	Dartmouth, N.S.	57 5	16 7	7 0	29	21	3 sc.	Mosses Hudrot, Eastern Harbour, N.S.
137977	<i>Manello</i>	Montreal	1909	Pocomoke, Md., U.S.A.	61 9	16 9	7 1	39	36	2 sc.	Joseph Perrault, Montreal, Que.
116211	Manicouagan	Quebec	1899	Bie, Que.	50 2	13 0	5 0	29	19	3 sc.	Stewart H. Dunn, Quebec, Que.
94879	Manitoba ○	Montreal	1889	Owen Sound, Ont.	303 0	38 1	11 7	2,616	1,699	169 sc.	Canadian Pacific Railway Co., Montreal, Que.
107140	Manitou ○	Goderich	1903	Goderich, Ont.	137 2	24 2	9 1	470	297	42 sc.	Dominion Fish Co., Ltd., Winnipeg, Man.
114451	Manitou	Winnipeg	1900	Winnipegosis, Man.	92 0	18 8	6 4	108	59	7 sc.	H. Armstrong, Portage la Prairie, Man.
138294	<i>Manu Sena</i>	Vancouver	1916	North Vancouver, B.C.	43 0	7 5	4 9	13	9	2 sc.	Thomas M. Heard, Ferry Company, North Vancouver, B.C.
93825	Manxman ○	Montreal	1888	Belfast, Ireland	430 7	45 2	22 1	4,827	3,122	520 sc.	R. Lawrence Smith, Limited, Montreal, Que.
129015	Maple Leaf	Port Arthur	1902	Rosport, N.B.	30 6	7 2	3 0	5	4	1 sc.	John Boon, Rosport, Ont.
107546	<i>Maple Leaf</i>	St. Andrews	1892	St. John, N.B.	32 8	11 8	5 4	12	7	1 sc.	Howard Rigby, St. Andrews, N.B.
103679	Maple Leaf	Toronto	1914	St. Andrews, N.B.	37 0	7 0	3 0	12	8	13 sc.	S. Brown, Bracebridge, Ont.
100033	Maple Leaf	Toronto	1891	Toronto, Ont.	38 3	8 4	4 4	7	5	1 sc.	Hiram Robinson, Ottawa, Ont.
116938	Maple Leaf	Victoria	1905	Galiano Island, B.C.	32 0	8 0	3 4	9	5	1 sc.	James Wintermute, et al., Ladysmith, B.C.
138356	<i>Maralla</i>	Vancouver	1917	Vancouver, B.C.	35 0	10 3	4 4	6	6	1 sc.	Nootka Packing Company, Ltd., Vancouver, B.C.
130887	<i>Maras</i>	New Westminster	1912	Steveston, B.C.	35 6	8 7	3 2	10	7	1 sc.	Malcolm R. Walls, Eburne, B.C.
134218	<i>Margalita</i>	Prince Rupert	1915	Vancouver, B.C.	33 0	10 4	5 1	11	7	1 sc.	Alfred Jansen, Prince Rupert, B.C.
122123	Margaret ○	Halifax	1907	Sheet Harbour, N.S.	92 8	19 6	8 6	195	100	27 sc.	The Halifax & Sheet Harbour Steamship Co., Ltd., Halifax, N.S.
135668	Margaret	Ottawa	1914	Woolston, G.B.	182 4	32 3	15 0	756	278	333 sc.	The Minister of Customs, Ottawa, Ont.
131016	Margaret A. Hackett	Montreal	1912	Quebec, Que.	99 3	24 0	9 2	192	83	56 sc.	George Hall Coal Company of Canada, Ltd., Montreal, Que.
138664	<i>Margaret B. Goreham</i>	Barrington Passage	1918	Port Clyde, N.S.	37 7	10 4	5 2	15	13	1 sc.	Edward Goreham, Woods Harbour, N.S.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

1. *Abbreviations*—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F. Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en C.V. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
117027	Mary.....	Sydney, N.S.....	1905	Mahone Bay, N.S.....	49 2	14 8	6 6	25	24	2 sc.	Job W. Dobson, Sydney, N.S.
61154	Mary A. Laughlin.....	Toronto.....	1913	Sydney, N.S.....	48 0	10 5	5 0	23	12	42 sc.	Thomas Gauthier, Montreal, Que.
77550	Mary Ann.....	Pictou, N.....	1871	Buffalo, N.Y., U.S.A.....	50 5	12 3	6 7	25	17	40 sc.	O. Smith, Richibucto, N.B.
92917	Mary Arnott.....	Wallaceport.....	1880	Wallace, N.S.....	31 0	10 0	3 2	7	6	1 sc.	D. Lowrey, Brantford, Ont.
94911	Mary Battle.....	Montreal.....	1886	Midland, Ont.....	130 0	26 0	9 4	275	187	44 sc.	Maritime Wrecking & Salvage Co., Ltd., Montreal, Que.
126599	Mary Blanche.....	Parrsboro'.....	1912	Port Groville, N.S.....	61 2	16 0	6 0	44	25	21 sc.	Charles T. White & Son, Ltd., East Apple River, N.S.
117026	Mary E. Dausley.....	Sydney, N.S.....	1905	Aspy Bay, N.S.....	54 3	12 5	4 3	17	16	6 sc.	A. Dausley, Dingwall, N.S.
103321	Mary Eillon.....	Cornwall.....	1896	Cornwall, Ont.....	57 4	13 4	8 8	20	14	6 sc.	J. Jessmer and M. Jessmer, Cornwall, Ont.
72966	Mary Ethel.....	Pictou, Ont.....	1879	Trenton, Ont.....	93 0	15 0	5 4	99	56	30 pa.	Preston & Bay of Quinté Nav. Co., Ltd., Trenton, Ont.
107839	Mary F. Graf.....	Victoria.....	1898	Seattle, Wash., U.S.A.....	177 6	35 7	6 0	864	544	26 pa.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
134164	Mary H. Cann.....	Yarmouth.....	1914	Mahone Bay, N.S.....	69 0	17 4	7 4	58	24	14 sc.	Hugh Cann & Son, Ltd., Yarmouth, N.S.
131187	Mary J. Robertson.....	Yarmouth.....	1914	Glen Ross, Ont.....	37 0	11 6	4 2	8	5	2 sc.	Fred. A. Robertson and Paul J. Maloney, Cornwall, Ont.
133969	Mary K.....	Halifax.....	1913	Tancook, Ont.....	45 0	11 4	4 6	15	12	1 sc.	Simson Guyevette et al., Rivier Bourgeois, N.S.
122345	Mary L.....	Toronto.....	1907	Penetang, Ont.....	40 0	10 0	4 6	10	6	6 sc.	Theophile Light, Penetanguishene, Ont.
111769	Mary Louise.....	Kingston.....	1902	Portland, Ont.....	77 2	18 6	4 2	30	3	3 sc.	Jacob W. Christopler et al., J.O., North Vancouver, B.C.
141027	Mary M. Christopher.....	Vancouver.....	1918	Portland, Ont.....	45 2	15 5	6 7	28	12	2 sc.	George Johnson, West Dover, N.S.
131071	Mary Maude.....	Vancouver.....	1912	West Dover, N.S., U.S.A.....	40 2	10 0	5 5	11	10	4 sc.	The Montreal Transportation Co., Ltd., Montreal, Que.
121825	Mary P. Hall.....	Montreal.....	1898	Oudenburg, N.Y., U.S.A.....	82 2	20 3	6 3	104	43	42 sc.	Allen J. Brydges, Cornwall, Ont.
97019	Mary R.....	St. Catharines.....	1897	Port Colborne, Ont.....	47 3	16 0	9 6	44	10	1 sc.	W. S. Loggie Co., Ltd., Chatham, N.B.
137927	Mary Roe.....	St. Catharines.....	1915	Tracadie, N.B.....	42 0	9 5	4 8	12	18	1 sc.	William M. Sullivan, Red Bank, N.B.
130331	Mary Sullivan.....	Chatham, N.B.....	1910	Douglasgow, N.B.....	53 0	11 6	5 0	49	33	1 sc.	Sifroad Gautreau, Pré d'en haut, N.B.
138587	Mary S. J. Lu.....	St. John, N.B.....	1914	Pré d'en haut, N.B.....	61 5	20 0	4 7	29	10	1 sc.	Donald A. A. Jenkins and William A. Jenkins, Escuminac, N.B.
137823	Mary Swan.....	Chatham, N.B.....	1915	Escuminac, N.B.....	34 0	11 3	5 0	12	10	1 sc.	Hugh M. Wood, North Arm, Burrard Inlet, B.C.
130550	Mary Warris.....	Vancouver.....	1911	Vancouver, B.C.....	34 8	9 0	4 0	10	7	1 sc.	George Drewry, Kemora, Ont.
121913	Mascot.....	Kemora.....	1900	Detroit, Mich., U.S.A.....	36 0	8 0	3 0	8	7	1 sc.	James Pilgrim, Meaford, Ont.
94764	Miscott.....	Owen Sound.....	1890	Meaford, Ont., U.S.A.....	52 9	12 5	4 0	21	14	20 sc.	G. W. Naas, Lunenburg, N.S.
103549	Miscotte.....	Lunenburg.....	1896	Darlington, N.S.....	57 7	14 2	6 0	35	24	18 sc.	William C. Gidley, Hamilton, Ont.
100396	Mission.....	Hamilton.....	1893	Hamilton, Ont.....	58 4	10 6	3 9	39	26	25 sc.	Imperial Munitions Board, Ottawa, Ont.
141173	Mission.....	Hamilton.....	1913	New Westminster, B.C.....	115 1	23 5	12 5	245	91	56 sc.	Alphonse Ladamme, Masson, Que.
138076	Mission.....	Ottawa.....	1917	Masson, Que.....	36 0	20 0	3 2	14	10	2 sc.	The Minister of Public Works, Ottawa, Ont.
29829	Mistodan.....	Vancouver.....	1910	Redford, G.B.....	200 3	36 6	12 8	748	435	108 sc.	Louis E. Vereault, Meccolin, Que.
131018	Mitane.....	Quebec.....	1913	Sandy Bay, Que.....	41 5	13 2	5 3	18	15	4 sc.	Keewatin Lumber Co., Ltd., Keewatin, Ont.
117193	Mithor.....	Kemora.....	1905	Toronto, Ont.....	87 5	19 0	10 5	145	98	32 sc.	Wm. H. Barkholder and Harvey S. Holmes, J.O., Sault Ste. Marie, Ont.
126868	Matheson.....	Sault Ste. Marie.....	1877	Rocky River, O., U.S.A.....	42 0	8 6	5 0	20	10	2 sc.	

SESSIONAL PAPER No. 22

107416	Methilda	1899	Sorel, Que.	72	0	114	21	10	4	69	1 se.	Sincoines-McNaughton Line, Ltd., Montreal, Que.
130676	Hafilda H.	1906	Tancook, N.S.	40	0	12	10	1	5	22	3 se.	Joseph Umlah <i>et al.</i> , Terrence Bay, N.S.
130459	Mansfield	1911	Vancouver, B.C.	82	3	133	21	0	5	77	10 se.	The Vancouver Portland Cement Co., Ltd., Victoria, B.C.
131415	Matsqui	1913	Steveston, B.C.	42	8	50	9	5	5	10	1 se.	Takunose Kimito, Steveston, B.C.
131061	Mattamoras	1912	Tancook, N.S.	42	0	12	10	3	3	11	3 se.	David Barke, East Doyar, N.S.
131061	Mattamoras	1910	Callander, Ont.	42	0	12	8	3	3	12	1 se.	The Montreal River Transportation Co., Ltd., Toronto, Ont.
122213	Mattie	1903	Toronto, Ont.	22	0	2	7	0	2	2	2 se.	Clarence Meredith Hinks, Toronto, Ont.
122202	Maud	1905	Hamilton, Ont.	32	5	2	7	0	2	3	2 se.	D. Reynolds, Dundas, Ont.
107386	Maud	1898	Grand Rapids, Mich., U.S.A.	16	0	1	3	3	1	1	1 se.	G. W. Smith, Gaitneau Point, Que.
69615	Maud	1874	New Liverpool, Que.	72	5	54	15	8	3	34	41 pr.	Antoine St. Pierre, Threvo Rivers, Que.
126503	Maud Allan	1909	Long Lake, B.C.	39	0	10	8	1	3	47	3 se.	Johnston & Carswell, Ltd., Long Lake, B.C.
107179	Maud C.	1897	Port Arthur, Ont.	30	0	5	9	2	3	3	1 se.	Thos. Craigie, Rossport, Ont.
116753	Maud D.	1904	Powassan, Ont.	71	3	51	13	5	8	51	3 se.	Walter G. Lambers, Toronto, Ont.
116481	Maud E.	1902	Wallaceburg, Ont.	60	2	81	13	5	0	38	3 se.	William H. Bidon <i>et al.</i> , J.O. Clatham, Ont.
116156	Maud E.	1903	Wallaceburg, Ont.	62	0	19	13	5	0	15	3 se.	The Lamb-Watson Lumber Co., Ltd., Winnipeg, Man.
107512	Maud E.	1903	Amnis, B.C.	55	0	23	12	5	4	6	12 se.	W. J. Spodras, Okanagan Falls, B.C.
129522	Maud E.	1899	Peterborough, Ont.	42	0	9	3	3	6	9	3 se.	Wm. Stammers, and W. L. Cameron, Vancouver, B.C.
131095	Mavourneen	1907	Vancouver, B.C.	32	4	13	9	3	3	3	1 se.	John J. Rainey, Vancouver, B.C.
131095	Mavourneen	1914	Vancouver, B.C.	35	0	16	9	6	4	36	12 se.	The Newcastle-Steinbach Co., Ltd., Newcastle, N.B.
43845	Max A.H.Ken.	1918	Newcastle, N.B.	92	0	83	17	9	0	33	12 se.	Geo. A. Van Order, Port Burwell, Ont.
97109	Max L.	1911	Port Burwell, Ont.	67	5	40	15	0	7	27	5 se.	Patrick J. Messhery, Toronto, Ont.
107162	Maxie	1898	Meatord, Ont.	44	0	16	11	2	3	23	3 se.	Patrick J. Messhery, Toronto, Ont.
126001	Maxwell A.	1909	Southampton, U.S.A.	80	0	98	21	0	7	66	24 se.	Donald McAnlay, Southampton, Ont.
111667	May	1893	Widgerton, Conn., U.S.A.	56	4	21	15	4	0	15	5 se.	W. D. B. Scott, Montreal, Que.
86292	May	1890	Buffalo, N.Y., U.S.A.	44	0	21	11	7	5	11	7 se.	M. J., and W. J. Hackett, J.O., Quebec, Que.
107460	May	1899	Montreal, Que.	29	0	8	8	7	3	5	1 se.	Judson F. Clark, Vancouver, B.C.
97105	May B.	1899	Vancouver, B.C.	29	0	8	8	7	3	5	1 se.	Judson F. Clark, Vancouver, B.C.
97105	May B.	1900	Port Burwell, Ont.	49	0	10	10	1	3	6	6 se.	C. C. Bates, Clear Creek, Ont.
122356	May C.	1907	Camanoque, Ont.	29	0	7	6	6	2	2	1 se.	Erasmus F. Cooke, Camanoque, Ont.
103254	May Flower	1897	Peterborough, Ont.	25	3	6	6	6	2	4	5 se.	Elizabeth Donnell, Peterborough, Ont.
97069	May Queen	1892	Peterborough, Ont.	53	3	36	16	4	5	18	40 se.	Fred. Magee, Ltd., Port Elgin, N.B.
94957	Mayflower	1890	Charlottetown, P. E. I.	140	2	189	28	2	6	119	29 pr.	The Toronto Ferry Co., Ltd., Toronto, Ont.
140989	Mayflower No. 3.	1918	Steveston, B.C.	38	3	11	8	5	3	7	1 se.	Kuni Saburo Muro, Steveston, B.C.
130769	Mayha	1909	Wolfe Island, Ont.	25	0	2	6	2	4	2	1 se.	Mrs. Laura J. Hurdley, Wolfe Island, Ont.
138270	Mayta	1899	New York, U.S.A.	118	1	112	16	4	9	63	51 se.	A. Wilfrid Beclard, Quebec, Que.
85221	Mazepa	1884	Toronto, Ont.	101	0	5	9	0	3	87	50 se.	Lawrence Soliman, Toronto, Ont.
90183	Meadow Flower	1885	Dartmouth, N.S.	33	0	7	9	0	3	7	1 se.	E. C. Whitman, Casco, N.S.
126128	Meador	1909	Vancouver, B.C.	35	0	11	8	6	3	7	1 se.	Mrs. C. Thompson, Vancouver, B.C.
100751	Medora	1883	Gravenhurst, Ont.	142	6	377	25	6	8	256	30 se.	The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto, Ont.
124939	Mej	1906	Dartmouth, N.S.	17	5	2	5	8	0	2	1 se.	Dr. F. Gordon Zwicker, Halifax, N.S.
131012	McKinac	1912	Three Rivers, Que.	70	8	65	27	2	3	23	91 pr.	Robert F. Grant, Three Rivers, Que.
99833	McLure	1892	Port Glasgow, G.B.	156	2	421	55	8	11	180	96 se.	F. W. B. London, Vancouver, B.C.
121212	McLure Dollar	1905	Port Glasgow, G.B.	179	0	267	50	0	26	241	20 se.	Dollar Steamship Lines, Ltd., Vancouver, B.C.
111917	Menolara	1901	Midland, Ont.	67	5	73	16	0	6	50	20 se.	Midland Trawling & Wrecking Co., Ltd., Midland, Ont.
138591	Menozes	1917	Sannaar, Que.	37	7	4	6	9	1	4	1 se.	The St. Maurice Construction Co., Ltd., Montreal, Que.
111590	Merrmaid	1901	Millbrook, Ont.	32	3	11	6	9	1	7	5 se.	Dr. Henry A. Turner, Millbrook, Ont.
74261	Merrmaid	1876	Quebec, Que.	75	5	26	17	6	10	80	80 se.	Merrimaie Co., Ltd., Halifax, N.S.
130452	Merry Sea	1911	Vancouver, B.C.	54	0	30	10	0	5	17	4 se.	The Minister of the Naval Service, Ottawa, Ont.
116590	Mersey	1904	Liverpool, N.S.	69	6	42	19	6	6	29	16 se.	The Northern Dredging & Construction Co., Loggieville, N.B.
130342	Mersyle	1911	Summerside, P.E.I.	63	8	40	16	0	6	34	5 se.	David A. Pickering, Summerside, P.E.I.
138924	Mersyle	1913	Lamack, N.B.	45	0	17	11	4	5	12	1 se.	Arthur Haëbe, Lamak, N.B.
138129	Meryl	1916	Steveston, B.C.	42	0	13	8	6	4	9	3 se.	Kamekichi Yamashita, Steveston, B.C.
140924	Messines	1917	Toronto, Ont.	130	0	320	23	5	13	204	39 se.	The Minister of the Naval Service, Ottawa, Ont.

1 Formerly "W. F. Logie." 2 Formerly "Hazel Dollar." 3 Formerly a sailing vessel. 4 Formerly "Lillie Smith." 5 Formerly "No. 508." 6 Foreign name "Antelope."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *italics*—Les noms des vaisseaux à moteurs sont en *italiques*.

Official No.	Name of Ship.	Part of Registry.	Built.	Where Built.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address.
N ^o officiel.	Nom du navire.	Port d'enregistrement.	Construit en	Lieu de construction.	Longueur en pieds et 10 ^{es} .	Largeur en pieds et 10 ^{es} .	Profondeur en pieds et 10 ^{es} .	Tonnage brut.	Tonnage enregistré.	Puissance des machines en c. v. et mode de propulsion.	Armateur ou propriétaire gérant, et adresse.
107950	Metcor	Cornwall	1902	Port Robinson, Ont.	52 0	16 4	9 1	47	32	10 sc.	The Port Colborne Tug Co., Ltd., Port Colborne, Ont.
107984	Metcor	Ottawa	1897	Ottawa, Que.	130 5	27 0	7 4	299	204	165 sc.	La Compagnie de Navigation, Ville Marie, Que.
134091	Metra	Vancouver	1914	Vancouver, B.C.	61 1	14 0	6 0	48	33	3 sc.	The Minister of the Interior, Ottawa, Ont.
138573	Miami	Windsor, Ont.	1888	Marine City, Mich., U.S.A.	131 0	27 5	8 2	278	144	381 sc.	T. J. Stockwell, et al., Chatham, Ont.
130821	Miamas	Windsor, Ont.	1912	Tancock, N.S.	45 2	10 8	6 0	15	14	14 sc.	David Duggan, M.O., East Dover, N.S.
129061	Miamas	Vancouver	1911	Victoria, B.C.	48 0	12 6	5 8	25	15	31 sc.	McLennan, McLeod & Co., Ltd., et al., Vancouver, B.C.
129455	Michael Davitt	Montreal	1885	Tenawanda, N.Y., U.S.A.	52 8	13 6	6 4	28	19	81 sc.	Montreal General Contracting Co., Ltd., Montreal, Que.
14823	Micheletooten	South Ste. Marie	1883	Detroit, Mich., U.S.A.	117 0	21 0	9 5	403	236	33 sc.	The North America Bent Chair Co., Owen Sound, Ont.
131227	Milade	Montreal	1911	St. Joseph, Mich., U.S.A.	40 5	8 8	3 8	10	9	2 sc.	David McAndrew, Montreal, Que.
103575	Milford	Midland	1896	Midland, Ont.	62 0	13 0	6 8	56	38	12 sc.	Manley Chew, Midland, Ont.
116691	Milford King	Midland	1903	Collinwood, Ont.	306 5	40 8	28 0	3,965	2,450	151 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
116693	Milford Prince	Midland	1907	Collinwood, Ont.	486 0	55 0	27 0	6,133	4,560	136 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
107306	Milgato	Quebec	1894	Quebec, Que.	23 8	6	2 7	2	1	1 sc.	C. G. Plamondon, Quebec, Que.
11142	Milgato	Halifax	1902	Dartmouth, N.S.	61 3	17 6	5 7	44	30	75 sc.	Audia Sugar Refining Co., Ltd., Halifax, N.S.
106067	Milgato	Windsor, Ont.	1895	Kenora, Ont.	40 0	10 3	4	25	17	9 sc.	J. A. Wheeler, Belleville, Ont.
106064	Milgato	Halifax	1897	Cambridge, N.B.	34 5	7 3	3 0	5	4	9 sc.	Walter E. Wasson, Parrsboro, N.S.
102367	Milgato	St. John, N.B.	1893	Cambridge, N.B.	54 0	14 7	3 0	40	27	13 sc.	Walter E. Wasson, Parrsboro, N.S.
110265	Milgato	Toronto	1903	Toronto, Ont.	70 0	10 0	3 5	39	25	10 sc.	P. R. Wood, Toronto, Ont.
133758	Milgato	St. Andrews	1912	East Boothbay, Maine, U.S.A.	58 0	12 4	6 6	35	24	3 sc.	The Minister of the Naval Service, Ottawa, Ont.
122201	Milvée	Amblerst, N.S.	1906	Port Hallowbury, N.S.	70 0	15 0	6 3	53	45	81 sc.	Nathaniel Curry, Amblerst, N.S.
135022	Milvée	Barrington Passage	1916	Port Clyde, N.S.	35 9	9 8	3 2	13	12	5 sc.	Seaton Powell and Leroy Slate, Upper Port La Tour, N.S.
111978	Milvée	New Westminster	1901	Vancouver, B.C.	31 6	8 2	3 4	7	5	1 sc.	Ensbio Moehabe, et al., New Westminster, B.C.
107305	Milvée	Windsor, N.S.	1900	Whiteater, N.S.	48 0	13 0	5 2	29	7	10 sc.	James D. Ellis, Kingsport, N.S.
111856	Milvée	Owen Sound	1903	Owen Sound, Ont.	38 0	9 0	4 0	11	7	2 sc.	Norman Trotter, Little Current, Ont.
131218	Milvée	Sydney, N.S.	1911	Sydney, N.S.	25 2	6 9	3 8	4	4	4 sc.	Cyril G. Rockott, Sydney, N.S.
123773	Mina Orea	Toronto	1900	Greenock, G.B.	360 3	49 2	26 5	4,145	2,566	400 sc.	International Petroleum Co., Ltd., Toronto, Ont.
126529	Mina Orea	Ottawa	1900	Horseshoe Bay, Que.	45 0	13 2	3 7	23	14	4 sc.	The Minister of Public Works, Ottawa, Ont.
129174	Mina Orea	Vancouver, B.C.	1908	Steveston, B.C.	55 5	9 1	3 7	15	5	2 sc.	Alexander J. Leitch, Vancouver, B.C.
130720	Mina Orea	Kenora	1911	Kenora, Ont.	50 7	13 3	5 0	53	26	6 sc.	Russell E. Doncott, Kenora, Ont.
130715	Mina Orea	Kenora	1911	The Pass, Man.	60 0	13 5	5 0	38	20	6 sc.	George R. Baneroff, The Pass, Man.
134247	Mingata	Toronto	1903	New York, N.Y., U.S.A.	56 0	10 2	4 3	20	13	5 sc.	Mrs. Lillian M. Treble, Toronto, Ont.
107361	Mingata	Midland, Ont.	1886	Midland, Ont.	77 3	10 5	8 4	73	27	28 sc.	Robert Weddall, Trenton, Ont.
109831	Mink	Ottawa	1906	Gordon Creek, Que.	51 2	16 0	3 5	26	17	2 pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
131085	Mink	Toronto	1912	Cravenhurst, Ont.	78 0	14 5	4 9	89	60	10 sc.	Win. Hanna, et al., J.O., Port Curling, Ont.

SESSIONAL PAPER No. 22

90881	Minnelaha.....	New Westminster.....	37 0	6 5	3 0	7	5	1 sc...	James Hunter, Victoria, B.C.
12478	Minnocla.....	Owen Sound, Ont.....	32 0	7 5	3 7	9	6	1 sc...	Glass Reef Gold Mining Co., Ltd., Little Mountain, Ont.
11278	Minnocle.....	Owen Sound, Ont.....	35 0	6 2	2 4	4	3	1 sc...	A. F. Bailey, Fox Point, Ont.
11279	Minnocle.....	Collingwood, Ont.....	36 0	9 6	9 4	35	24	3 sc...	D. S. Pratt, Midland, Ont.
121237	Minnocle.....	New Westminster, B.C.....	39 0	10 8	6 4	13	9	2 sc...	Charles Ashenpeller, Courtenay, B.C.
116362	Minnie A. Clark.....	Frederick, Ont.....	39 3	15 9	6 5	30	25	11 sc...	Dominion Fish Co., Ltd., Winnipeg, Man.
122243	Minnie C. Clark.....	Midland, Ont.....	39 3	8 3	4 0	7	10	1 sc...	James Crawford, Moon River, P.O., Parry Sound, Ont.
122244	Minnie C. Clark.....	Midland, Ont., N.S.....	36 0	10 8	5 3	11	10	3 sc...	B. I. Walters, Halifax, N.S.
122245	Minnie C. Clark.....	Charks Harbour, N.S.....	36 0	12 0	5 0	10	12	4 sc...	Mrs. Mary Martin, Midland, Ont.
107418	Minnie Egan.....	Midland, Ont.....	40 8	8 0	3 0	30	8	5 pa...	John R. Phillips, Cobcoan, Ont.
107419	Minnie Egan.....	Midland, Ont.....	42 5	12 0	5 0	10	34	10 sc...	The Thunder Bay Contracting Co., Ltd., Port Arthur, Ont.
126672	Minnie Egan.....	Port William, Ont.....	63 0	14 2	8 0	37	34	40 sc...	The Minister of Agriculture, Ottawa, Ont.
126913	Minnocla.....	Port William, G.B.....	83 3	19 1	9 4	110	40	28 sc...	The Minister of Agriculture, Ottawa, Ont.
126602	Minnora.....	Baltimore, Md., U.S.A.....	95 0	20 6	9 5	148	81	45 sc...	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
133664	Minnora.....	Digby, N.S.....	22 7	5 8	3 7	2	1	3 sc...	Frederick J. Ward, Halifax, N.S.
100632	Minnora.....	Toronto, Ont.....	65 3	11 2	3 2	29	19	5 sc...	The Huntsville Lake of Bays & Lake Simcoe Navigation Co., Ltd., Huntsville, Ont.
126928	Minnora.....	Quebec.....	35 0	8 0	2 8	11	7	1 sc...	Simon Gimon, Roberval, Que.
197453	Minto.....	Roberval, Que.....	61 7	30 1	5 1	829	322	17 pa...	Canadian Pacific Railway Co., Montreal, B.C.
126725	Mio.....	Nakusp, B.C.....	30 4	6 6	2 0	6	3	6 sc...	Ranahc Hamade, Steveston, B.C.
130570	Mio.....	New Westminster, B.C.....	30 0	6 6	2 0	5	3	1 sc...	Russel Jaynes, New Westminster, B.C.
133731	Mio.....	Vancouver, B.C.....	35 5	9 3	5 0	12	8	1 sc...	Mrs. Florence H. Gibbon, North Vancouver, B.C.
88066	Miramech.....	Chatham, N.B.....	85 7	17 3	6 9	72	49	25 sc...	Miramichi Steam Navigation Co., Chatham, N.B.
92253	Mischel.....	Owen Sound, Ont.....	31 0	9 0	4 8	9	4	5 sc...	H. E. C. Carey, Bruce Mines, Ont.
134533	Miscord.....	Owen Sound, Ont.....	30 0	20 0	9 5	114	44	24 sc...	Alvin J. Miesner and Erwin G. Tedford, J.O., Port Burwell, Ont.
197659	Miss Vandenberg.....	Wilmington, Del., U.S.A.....	99 8	20 9	9 0	266	181	10 sc...	Prevcit & Ogdensburg Ferry Co., Ltd., Prescott, Ont.
134235	Misse.....	Montreal, Que.....	38 9	9 0	6 1	12	11	16 sc...	John P. O'Shea, Montreal, Que.
12273	Mississauqui.....	Noyan, Que.....	95 4	19 2	6 0	152	87	26 sc...	Roekport Navigation Co., Ltd., Roekport, Ont.
121751	Mississippi.....	Carleton Place, Ont.....	36 2	7 7	3 6	4	3	3 sc...	Nathaniel C. McAllister, Carleton Place, Ont.
107513	Mist.....	Seattle, Wash., U.S.A.....	46 7	12 0	3 9	29	20	10 sc...	Gravin Lawson, Victoria, B.C., and Robert W. Minto, Vancouver, B.C.
134550	Mistango.....	Low Bush, Ont.....	66 8	16 0	4 8	72	39	11 pa...	Abtubi Power & Paper Co., Ltd., Montreal, Que.
100554	Mistessini.....	Roberval, Que.....	130 0	22 4	8 2	235	148	200 pa...	B. A. Scott, Roberval, Que.
126530	Miyato.....	Steveston, B.C.....	56 4	14 0	4 7	31	18	4 sc...	Gulf Islands Fishing & Canning Co., Ltd., Vancouver, B.C.
94929	Mizpah.....	Toronto, Ont.....	51 0	10 6	4 4	28	20	3 sc...	David Rumby, Owen Sound, Ont.
134292	Mizpah.....	Owen Sound, Ont.....	25 0	8 4	4 0	10	7	1 sc...	Fujimatsu Takenchi, Steveston, B.C.
85330	Mocking Bird.....	Toronto, Ont.....	72 0	11 8	4 2	38	26	20 sc...	P. McArthur, Westbourne, Man.
17857	Modessa.....	Kingston, Ont.....	66 4	12 2	4 8	46	29	6 sc...	The Lake Simcoe Navigation Company, Ltd., Toronto, Ont.
96058	Modoka.....	Yoker, G.B.....	178 0	31 1	12 3	678	461	180 sc...	Canada Steamship Lines, Ltd., Montreal, Que.
133744	Mohawk Belle.....	South Portage, Ont.....	94 0	19 5	7 5	167	103	12 sc...	The Huntsville Lake of Bays & Lake Simcoe Navigation Co., Ltd., Huntsville, Ont.
103396	Mohawk Queen.....	Foresters Island, Ont.....	44 6	9 0	4 0	16	11	2 sc...	Robert Weddell, Trenton, Ont.
103927	Molto.....	Lakefield, Ont.....	41 0	6 6	2 5	11	7	6 sc...	J. J. McEgan, Peterborough, Ont.
138175	Molitor G.....	Boquim, Wash., U.S.A.....	42 7	14 3	4 7	20	13	2 sc...	Andrew C. Gillen, Vancouver, B.C.
111851	Mollie S. Owen.....	Owen Sound, Ont.....	68 0	12 7	5 0	45	27	9 sc...	Pankhurst Marny, Lions Head, Ont.
137941	Mollusk.....	Vancouver, B.C.....	39 0	10 7	4 6	14	10	2 sc...	Peter Seelits, Vancouver, B.C.
138696	Mona H.....	Vancouver, B.C.....	27 8	7 8	3 8	8	3	3 sc...	Herbert Simpson, Vancouver, B.C.
95509	Monaco.....	Montreal, Que.....	81 8	8 3	3 6	10	6	6 sc...	J. H. Garth, Montreal, Que.
111886	Monarch.....	Montreal, Que.....	84 0	14 0	5 7	73	50	6 sc...	The Lake Simcoe Nav. Co., Ltd., Toronto, Ont.
126550	Monarch I.....	Gore's Landing, Ont.....	44 0	12 0	5 6	17	16	1 sc...	Herbert Wall, Yarmouth, N.S.
100225	Moneta.....	Ottawa, Ont.....	20 0	5 2	2 2	1	1	2 sc...	R. Lamb and J. Robertson, Ottawa, Ont.
107591	Monitor.....	Montreal, Que.....	60 5	16 6	7 2	62	39	14 sc...	The Minister of Public Works, Ottawa, Ont.
130295	Monobol.....	Vancouver, B.C.....	40 1	9 6	5 0	14	10	2 sc...	Canada Explosives, Ltd., Montreal, Que.
111955	Monolona.....	Vancouver, B.C.....	36 4	9 3	3 6	10	7	5 sc...	Wm. A. McAdam, Harrison, B.C.
158305	Monroe.....	Olympia, Wash., U.S.A.....	38 2	8 4	4 2	8	5	3 sc...	Northern Cedar Logging Co., Ltd., Vancouver, B.C.
130275	Mont Cashed.....	Winnipeg, Man.....	147 8	28 5	11 0	508	346	60 sc...	Edwin D. Moore, Winnipeg, Man.

¹Formerly "City of Windsor," and "E. K. Roberts."
²Formerly "P. J. Turcote."
³Formerly a sailing vessel.
⁴Foreign name "The Missus."
⁵Formerly "D. L. White."
⁶Foreign name "Sealight."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Navires de Motor Vessels in *Italics*. Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship.	Port of Registry.	Build.	Where Built.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Profoundeur en pieds et 10es.	Gross Tonnage.	Registered Tonnage.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address.
N ^o officiel.	Nom du navire.	Port d'enregistrement.	Construit en	Lieu de construction.	Longueur en pieds et 10es.	Largeur en pieds et 10es.	Tonnage brut.	Tonnage brut.	Puissance des machines en c.v. et mode de propulsion.	Armateur ou propriétaire gérant, et adresse.		
77932	Montagne	Charlottetown	1878	Georgetown, P.E.I.	79 0	19 7	8 7	8 7	130	58	35 pa.	The Georgetown Ferry Co., Ltd., Georgetown, P.E.I.
117660	Montclair	Ottawa	1904	Yolker, G.B.	145 0	10 6	15 7	15 7	1,432	586	496 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
116554	Montclair	Vancouver	1889	Jarrow-on-Tyne, G.B.	215 0	52 2	27 7	6,173	3,690	750 sc.	Canadian Pacific Railway Co., Montreal, Que.	
120757	Montigny	Sorel	1909	Sorel, Que.	212 6	31 8	19 5	1,269	723	118 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.	
32755	Montmorency	Ottawa	1889	Quebec, Que.	35 5	10 8	4 5	18	12	30 sc.	W. J. Pomere, Montreal, Que.	
103957	Montmorency	Montreal	1894	Sorel, Que.	71 1	11 1	4 0	28	19	22 sc.	The Minister of Public Works, Ottawa, Ont.	
116685	Montreal	Montreal	1901	Sorel, Que.	332 1	43 5	14 8	4,282	2,299	386 pa.	Canada Steamship Lines, Ltd., Montreal, Que.	
131037	Montreal	Vancouver	1912	Vancouver, B.C.	60 6	17 4	7 3	63	43	11 1/2 sc.	Thomas G. McBride, et al., Vancouver, B.C.	
133714	Moose Head	Vancouver	1912	Vancouver, B.C.	33 2	7 8	3 0	8	5	8 1/2 sc.	Hans Bakstad, Victoria, B.C.	
133921	Moose Head	Montreal	1906	Montreal, Que.	31 3	6 3	3 6	5	3	2 1/2 sc.	John Garth, Montreal, Que.	
122501	Morphy	Vancouver	1906	Vancouver, B.C.	26 6	8 0	2 4	6	4	7 1/2 sc.	George C. Miller, Vancouver, B.C.	
141171	Morphy	New Westminster	1918	New Westminster, B.C.	114 7	23 6	12 1	243	98	31 sc.	Imperial Munitions Board, Ottawa, Ont.	
130233	Morgan (The)	Port Stanley	1911	Port Stanley, Ont.	70 3	16 4	7 9	50	10	13 1/2 sc.	Charles P. J. and Thomas H. Morgan, J.O., Port Stanley, Ont.	
1107665	Morins	Toronto	1904	Port Carling, Ont.	47 0	8 1	3 6	10	12	13 sc.	Wm. Robinson, Kingston, Ont.	
133922	Morning Star	Chatham, N.B.	1913	Lamek, N.B.	34 8	11 0	5 0	12	10	1 8 sc.	Edmond E. Robichaud, Ste. Marie, Shippigan Island, N.B.	
107421	Morning Star	Brookville	1907	Toronto, Ont.	95 5	12 5	5 0	72	39	22 sc.	Sir Clifford Sifton, Ottawa, Ont.	
100739	Morning Star	Toronto	1894	Toronto, Ont.	34 0	7 5	3 4	5	3	1 sc.	Joseph Goodwin, Toronto, Ont.	
90797	Morris	Victoria	1888	Victoria, B.C.	39 5	9 2	3 6	12	8	1 sc.	The Federation Brand Salmon Canning Co., Ltd., Victoria, B.C.	
138416	Mossy River	Winnipeg	1911	Selkirk, Man.	49 3	11 5	5 5	30	21	2 sc.	The Minister of Public Works, Ottawa, Ont.	
121815	Moto	Digby	1906	Digby, N.S.	45 0	10 4	4 3	15	12	3 1/2 sc.	Mrs. Georgia Robinson, Digby, N.S.	
130322	Motor Queen	Kingston	1901	Alexandria Bay, N.Y., U.S.A.	50 4	10 8	4 8	20	17	5 1/2 sc.	Queen City Oil Co., Ltd., Toronto, Ont.	
107727	Mou Pinz	Vancouver	1899	Hong Kong	61 0	10 3	6 0	33	22	8 sc.	Hohn W. McIntosh, Vancouver, B.C.	
111760	Mountain Reil	Kenora	1895	Vancouver, B.C.	28 0	6 0	2 8	4	3	2 sc.	W. Mather, Banff, Alta.	
92780	Mountain Belle	Vancouver	1888	Carlston Place, Ont.	30 2	6 1	3 0	5	3	2 sc.	Thos. R. Lane, Vancouver, B.C.	
130629	Mouton	Halifax	1913	Halifax, N.S.	82 0	17 0	6 8	53	36	14 sc.	Noville Canneries, Ltd., Halifax, N.S.	
122166	Mowitz	Vancouver	1906	Vancouver, B.C.	45 9	17 1	5 2	50	34	1 sc.	Nasset Timber Co., Ltd., Vancouver, B.C.	
107454	Moyie	Vancouver	1898	Nelson, B.C.	161 7	30 1	5 1	535	226	17 pa.	Canadian Pacific Ry. Co., Montreal, Que.	
110887	Mudport	Ottawa	1904	Hull, Que.	40 0	16 0	4 4	34	25	1 sc.	The E. B. Eddy Co., Ltd., Hull, Que.	
126738	Murray	Vancouver	1910	Steveston, B.C.	35 5	10 3	4 4	12	8	1 sc.	D. Melver, and D. MacDonald, Vancouver, B.C.	
103042	Mutlgrave	Ottawa	1893	New Glasgow, N.S.	114 8	31 0	16 4	485	330	75 sc.	The Minister of Railways and Canals, Ottawa, Ont.	
130810	Mutke	Vancouver	1911	Steveston, B.C.	38 0	9 0	4 7	9	7	5 sc.	Chris Christensen, Prince Rupert, B.C.	
126549	Marbros	Vancouver	1909	Vancouver, B.C.	35 0	10 5	4 3	14	10	2 sc.	James Taylor, Vancouver, B.C.	
90793	Marisel	Vancouver	1887	Victoria, B.C.	70 0	15 5	6 7	45	28	4 sc.	Atia Singh and Sund Singh, J.O., Victoria, B.C.	

SESSIONAL PAPER No. 22

130573	11	Marcel L...	1910	Little Tancook, N.S.	44 6	11 2	7 0	15	14	3 se.	James A. Zink, M.O., West Dover, N.S.
131525	1915	Marcel Peach	1915	Port Morton, N.S.	21 0	11 0	17 9	12	12	3 se.	Timothy Peach, Port Morton, N.S.
138505	1886	Muriel W.	1886	Milwaukee, Wis., U.S.A.	310 2	34 8	6 9	637	69	69 se.	Steamer "Muriel W.", Ltd., Quebec, Que.
101261	1877	Murray Bay	1877	Wilmington, Del., U.S.A.	251 0	34 7	7 9	969	120	2 se.	Canada Steamship Lines, Ltd., Montreal, Que.
134639	1913	Murrel A.	1913	Cadboro Bay, B.C.	35 0	8 5	3 8	7	5	2 se.	Sidney Williams, Victoria, B.C.
133752	1896	Muscakonge	1896	Port Huron, Mich., U.S.A.	128 0	24 5	12 0	360	245	51 se.	The Sincennes McNaughton Line, Ltd., Montreal, Que.
100283		Muskoka		Peterborough	36 5	10 5	3 7	22	15	2 pa.	Gilmour & Co., Trenton, Ont.
126524	1908	Muskat	1908	Simeon, Ont.	52 5	16 0	3 2	35	19	2 pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
133677	1891	Musquash	1891	Portsmouth, G.B.	51 0	11 8	5 2	22	15	12 se.	Walter G. Stevens, Clatham, N.B.
133790	1918	My Friend	1918	Garston, G.B.	100 2	23 1	12 0	498	24	89 se.	Quebec Salvage & Wrecking Co., Ltd., Vancouver, B.C.
136890	1911	Myllaway	1911	Vancouver, B.C.	44 5	11 4	5 8	24	13	23 se.	Dellane, Packing Co., Ltd., Vancouver, B.C.
186634	1884	Myra	1884	Tacoma, Wash., U.S.A.	35 2	9 3	3 6	10	5	1 se.	Arthur W. Bridgman, Victoria, B.C.
111959	1899	Myrtle	1899	St. Catharines, Ont.	82 0	17 2	8 6	73	37	32 se.	The Sincennes McNaughton Line, Ltd., Montreal, Que.
111658	1899	Myrtle	1899	New Westminster, B.C.	27 5	5 5	2 5	4	3	4 se.	Rolland Gordon, Peterborough, Ont.
106758	1901	Myrtle	1901	Peterborough, Ont.	33 2	7 7	3 2	5	4	4 se.	Mrs. Elizabeth Michener, Tp. of Berrie, Welland Co., Ont.
137889	1904	Myrtle C.	1904	Point Albino, Ont.	40 0	9 5	4 0	9	6	1 se.	Albert J. Boudreau, Petit de Grand, N.S.
94816	1890	Mystery	1890	Blamford, N.S.	38 0	10 3	5 4	11	10	1 se.	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
134321	1914	N. B.	1914	Victoria, B.C.	80 5	16 5	7 8	65	39	24 se.	Nicholas Butler, Vancouver, B.C.
107134	1900	N. Dymont	1900	Vancouver, B.C.	32 5	8 0	3 5	9	6	10 se.	Albert G. Knowles, Sault Ste. Marie, Ont.
379148	1914	Nadia H.	1914	Goderich, Ont.	73 0	16 8	8 0	59	40	10 se.	Sidney Charles Mortimer, Vancouver, B.C.
45852	1889	Nagasaki	1889	Vancouver, B.C.	39 0	4 6	2 1	14	14	6 se.	John Wallace, Vancouver, B.C.
133715	1912	Nahlan	1912	Hong Kong	46 5	9 3	5 3	15	10	2 se.	John Musgrave, Victoria, B.C.
129044	1898	Nahma	1898	Hong Kong	30 2	11 0	5 4	27	21	2 se.	A. J. McComber, Port Arthur, Ont.
130791	1911	Nahmint	1911	Superior, Wis., U.S.A.	34 0	7 8	4 0	7	5	6 se.	Wallace Fisheries, Limited, Vancouver, B.C.
134426	1913	Nahwitta	1913	Steveston, B.C.	67 9	15 5	6 1	45	31	2 se.	Western Packers, Ltd., Vancouver, B.C.
88538	1890	Naiad	1890	Gig Harbour, Wash., U.S.A.	47 2	14 8	5 7	28	19	20 se.	Mrs. Harriet S. Sandford, Hamilton, Ont.
92389	1888	Naiad	1888	Toronto, Ont.	68 0	10 2	3 3	29	20	7 se.	Wm. Thompson, Mount Julian, Ont.
125539	1907	Naiad	1907	Kingston, Ont.	51 4	9 2	3 9	15	10	8 se.	E. and G. H. Kinnie, J.O., Vancouver, B.C.
121764	1906	Naiade	1906	Vancouver, B.C.	58 0	12 9	7 5	46	31	13 se.	Lewis G. Price, Pascoe's Wharf, Vancouver, B.C.
138691	1911	Nakano	1911	Vancouver, B.C.	41 2	10 6	4 1	15	10	2 se.	The Packers Steamship Co., Ltd., Vancouver, B.C.
126512	1909	Nakopus	1909	Steveston, B.C.	48 0	11 8	5 2	24	16	2 se.	Nootka Packing Co., Ltd., Vancouver, B.C.
107239	1901	Nancy	1901	Pingsston Creek, B.C.	55 0	13 2	5 4	37	31	2 se.	The Almsfor of Public Works, Ottawa, Ont.
116779	1901	Nanea	1901	Vancouver, B.C.	26 9	8 6	4 2	6	4	1 se.	Wm. J. Bolding, Vancouver, B.C.
121417	1903	Nanwa	1903	New Westminster, B.C.	17 0	4 1	1 6	1	1	9 se.	Charles S. V. Branch, Vancouver, B.C.
122397	1908	Nanwase	1908	Kingston, Ont.	54 3	8 9	2 9	12	7	9 se.	P. J. Phillips, Toronto, Ont.
130352	1883	Napanee	1883	Victoria, B.C.	116 0	24 6	14 0	305	166	63 se.	Canadian Pacific Railway Co., Montreal, Que.
85308	1899	Napierville	1899	Tancook, N.S.	37 4	10 4	4 3	10	10	9 se.	Frank Roberts, Liverpool, G.B.
130603	1910	Narada	1910	Montreal, Que.	123 9	42 4	5 4	165	113	11 pa.	Mrs. Arthemise Robert, Montreal, Que.
134271	1913	Nararunga	1913	Burton, Wash., U.S.A.	29 6	8 0	4 0	7	5	1 se.	M. B. Jackson, Victoria, B.C.
138154	1909	Narapur	1909	Port Arthur, Ont.	89 1	19 5	8 0	150	74	27 se.	Canadian Pacific Railway Company, Montreal, Que.
138855	1909	Narapur	1909	Prince Rupert, B.C.	38 8	11 3	4 7	13	9	23 se.	Koonas K. Freeman, Prince Rupert, B.C.
133758	1912	Nasookin	1912	Vancouver, B.C.	44 0	11 5	5 0	18	12	2 se.	Geo. P. Cadara, Vancouver, B.C.
130923	1912	Nasudin	1912	Nelson, B.C.	200 2	40 0	1 8	889	101	101 pa.	Canadian Pacific Railway Co., Montreal, Que.
116255	1903	Nathalia B.	1903	Whithorse, Y.T.	115 0	27 1	3 8	405	256	25 se.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
130473	1913	National	1913	Sorel, Que.	63 2	16 2	6 0	55	25	5 se.	The Sincennes McNaughton Line, Ltd., Montreal, Que.
138943	1918	National No. 1	1918	Toronto, Ont.	39 0	10 0	4 6	18	12	5 se.	The Corporation of the City of Toronto, Ont.
107265	1906	Native	1906	Port Harveybury, N.S.	60 0	15 5	7 0	46	35	34 se.	National Fish Co., Ltd., Halifax, N.S.
126810	1890	Natone	1890	New Westminster, B.C.	66 0	14 0	6 6	52	36	23 se.	Mrs. Edith Cates, Vancouver, B.C.
103999	1910	Natwich	1910	Seattle, Wash., U.S.A.	52 0	17 6	6 0	37	25	21 se.	Gilbert P. Ashe, City of Coutts, Alberta.
126191	1887	Natwich	1887	Vancouver, B.C.	38 5	10 1	4 8	13	9	14 se.	Samuel J. Castleman, Vancouver, B.C.
122630	1910	Natwich	1910	New York, N.Y., U.S.A.	56 0	14 0	4 2	27	18	11 se.	Mrs. Addie L. Young, St. Stephen, N.B.
		Natwich		Windsor, Ont.	51 8	10 5	5 0	20	14	5 se.	The Polson Iron Works, Ltd., Toronto, Ont.
		Natwich		St. Andrews, N.B.	31 2	9 2	4 2	9	6	24 se.	Perry M. Small, Grand Manan, N.B.

†Formerly "Cullolva," and a sailing vessel. ‡Formerly "Carolina." ††Formerly "Olympic." †††Formerly a sailing vessel. ††††Formerly a sailing vessel. †††††Formerly a sailing vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbrégations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in italics—Les noms des vaisseaux à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Build. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Largeur en pieds et 10es.	Depth in feet and 10ths.	Profondeur en pieds et 10es.	Cross Tonnage.	Tonnage brut.	Registered Tonnage.	Tonnage enregistré.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130374	<i>Vaniskos</i>	Kemora.....	1911	Peterboro', Ont.	60 0	11 3	5 3	21	20	11 sc.	21	11 sc.	11 sc.	The Peterboro Canoe Co., Ltd., Peterboro', Ont.	
130619	<i>Vegac</i>	Chatham, N.B.	1918	Nesque, N.B.	33 0	3 0	3 0	4	4	1 sc.	4	1 sc.	1 sc.	Marcel Allain, Negam, N.B.	
149094	<i>Vekis</i>	Vancouver	1918	Steveston, B.C.	53 4	15 6	5 5	43	21	3 sc.	43	3 sc.	3 sc.	Goose-Milfred Packing Co., Ltd., Vancouver, B.C.	
133989	<i>Vedale</i>	Vancouver	1913	Vancouver, B.C.	31 0	8 8	4 6	11	31	1 sc.	11	1 sc.	1 sc.	Floyd P. Quinn, New Westminster, B.C.	
130711	<i>Nelly J.</i>	Kemora	1911	Kemora, Ont.	52 0	12 5	4 0	31	27	2 sc.	31	2 sc.	2 sc.	Armstrong Trading Co., Ltd., Portage la Prairie, Man.	
92690	<i>Nellie Bly</i>	St. Catharines	1890	Port Dalhousie, Ont.	42 2	13 4	4 2	13	7	1 sc.	13	1 sc.	1 sc.	Jos. Goodwin, Toronto, Ont.	
133785	<i>Nellie C.</i>	St. Andrews	1912	Richardson, N.B.	42 0	11 0	6 1	12	8	1 sc.	12	1 sc.	1 sc.	Audubon Hart, M.O., L'Etang, N.B.	
111782	<i>Nellie G.</i>	New Westminster	1883	Gloucester, Mass., U.S.A.	79 0	22 6	8 5	100	60	13 sc.	100	13 sc.	13 sc.	Vancouver Machinery Depot, Ltd., Vancouver B.C.	
103938	<i>Nellie H.</i>	Chatham, N.B.	1897	Chatham, N.B.	41 1	9 0	4 2	5	3	3 sc.	5	3 sc.	3 sc.	Edward Miller and H. R. Annett, J.O., Gaspe, Que.	
94846	<i>Nellie T.</i>	Windsor, Ont.	1885	Detroit, Mich., U.S.A.	36 0	6 5	2 7	3	3	6 pa.	3	6 pa.	6 pa.	Geo. Sutherland, Essex Centre, Ont.	
107467	<i>Nellie Viola</i>	Windsor, Ont.	1891	Lindsay, Ont.	20 8	6 5	2 7	3	3	3 sc.	3	3 sc.	3 sc.	Michael Dovey, Lindsay, Ont.	
131091	<i>Nellie</i>	La Have	1912	Shelburne, N.S.	71 0	18 0	4 0	43	49	1 sc.	43	1 sc.	1 sc.	Ian Muir, Hill Island, B.C.	
130888	<i>Nelson</i>	Victoria	1911	Seattle, Wash., U.S.A.	27 4	3 6	3 0	5	4	1 sc.	5	1 sc.	1 sc.	S. J. Evans, Prince Rupert, B.C.	
130543	<i>Nelson</i>	Vancouver	1913	Vancouver, B.C.	35 3	7 6	4 0	9	17	3 sc.	17	3 sc.	3 sc.	Canadian Pacific Railway Co., Montreal, Que.	
88967	<i>Neoplyte</i>	Chatham, N.B.	1885	Chatham, N.B.	68 4	11 7	4 0	64	44	21 sc.	64	21 sc.	21 sc.	A. P. McJannet, Sydney, N.S.	
130990	<i>Neptune</i>	Chatham, N.B.	1893	Amsterdam, Holland	107 4	20 7	6 2	150	97	4 sc.	150	97	4 sc.	The Minister of Railways and Canals, Ottawa, Ont.	
92762	<i>Neptune</i>	Quebec	1889	Lodwigha, Que.	32 0	3 8	2 7	11	8	1 sc.	11	1 sc.	1 sc.	John Breakley, Quebec, Que.	
133751	<i>Nersid</i>	St. John, N.B.	1911	Port Green, N.S.	53 6	17 3	6 3	118	80	19 sc.	118	19 sc.	19 sc.	John A. Olive, et al., St. John, N.B.	
129616	<i>Nerka</i>	St. John, N.B.	1912	Waterborough, N.B.	53 6	15 9	5 3	40	38	13 sc.	40	13 sc.	13 sc.	James W. Smith, St. John, N.B.	
138528	<i>Nesto</i>	Vancouver	1917	Chaxton, B.C.	52 0	13 9	4 0	32	22	34 sc.	32	22	34 sc.	Wallace Fisheries, Ltd., Vancouver, B.C.	
121951	<i>Netic B.</i>	Vancouver	1906	Port Stanley, Ont.	32 7	10 2	4 3	6	6	1 sc.	6	1 sc.	1 sc.	The Canadian Fishing Co., Ltd., Vancouver, B.C.	
131140	<i>Netic W.</i>	Port Stanley	1910	Port Stanley, Ont.	37 4	1 5	2 2	12	9	4 sc.	12	9	4 sc.	Seward A. Dean, Tobernory, Ont.	
95225	<i>Nevada</i>	Montreal	1890	Rideau Ferry, Ont.	22 6	3 2	2 2	1	1	3 sc.	1	3 sc.	3 sc.	Harry B. Wright, Perth, Ont.	
130673	<i>Nevadine</i>	New Westminster	1912	Louis, G.B.	28 0	34 5	19 2	1,276	794	99 sc.	794	99 sc.	99 sc.	Nevada Shipping Co., Ltd., Halifax, N.S.	
134301	<i>New Buffalo</i>	New Westminster	1914	Tecoma, Wash., U.S.A.	40 5	15 3	4 4	44	24	3 sc.	44	24	3 sc.	Herbert Neville Smith, New Westminster, B.C.	
134568	<i>Newcastle No. 3</i>	New Westminster	1914	Eburne, B.C.	42 4	10 3	4 2	13	9	1 sc.	13	9	1 sc.	Yoshio Nishino, Eburne, B.C.	
134438	<i>Newcastle No. 4</i>	Vancouver	1917	Steveston, B.C.	51 6	14 3	7 9	41	18	2 sc.	41	18	2 sc.	Yasuburo Odo, Steveston, B.C.	
134438	<i>Newcastle No. 6</i>	Vancouver	1918	Vancouver, B.C.	51 6	13 4	7 9	41	18	2 sc.	41	18	2 sc.	Fake Odo, Vancouver, B.C.	
129691	<i>New Delta</i>	Vancouver	1915	Eburne, B.C.	28 0	9 5	4 4	13	9	1 sc.	13	9	1 sc.	Kameiro Ikavehi, Eburne, B.C.	
129255	<i>New Success</i>	Vancouver	1910	Vancouver, B.C.	57 8	15 0	6 4	43	39	1 sc.	43	39	1 sc.	Gilbert W. Browster, et al., Ladner, B.C.	
111813	<i>Newera</i>	Chatham, N.B.	1909	Burnt Church, N.B.	58 9	23 0	5 0	77	34	11 pa.	77	34	11 pa.	James Anderson, Burnt Church, N.B.	
110687	<i>Newington</i>	Victoria	1901	Vancouver, B.C.	52 5	16 6	3 0	36	37	9 sc.	36	37	9 sc.	Wm. T. Coxford, Salt Spring Island, B.C.	
110687	<i>Newington</i>	Vancouver	1899	Hull, G.B.	115 3	21 0	11 5	193	76	58 sc.	193	76	58 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.	

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No. / N ^o officiel.	Name of Ship / Nom du navire.	Port of Registry / Port d'enregistrement.	Built / Construit en.	Where Built / Lieu de construction.	Length in feet and 10ths. / Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. / Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. / Profondeur en pieds et 10 ^{es} .	Gross Tonnage. / Tonnage brut.	Registered Tonnage. / Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. / H.P. des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. / Armateur ou propriétaire gérant, et adresse.
116784	North Vancouver Ferry No. 2.	Vancouver	1904	Vancouver, B.C.	131 2	28 5	12 5	544	370	32½ sc.	The Corporation of the City of North Vancouver, North Vancouver, B.C.
130447	North Vancouver Ferry No. 3.	Vancouver	1910	North Vancouver, B.C.	145 0	29 1	12 4	1,176	792	42 sc.	The Corporation of the City of North Vancouver, North Vancouver, B.C.
138023	North Wind.	Kenora	1904	Fort Chipewyan, Alta.	61 5	10 3	4 0	15	10	2 sc.	Colin Fraser, Fort Chipewyan, Alta.
117105	Northwestern Belle.	Ottawa	1905	Sturgeon Falls, Ont.	101 0	21 6	7 6	222	169	30 sc.	North Bay and French River Transportation Co., Ltd., North Bay, Ont.
126519	Northern Cross.	Prince Rupert	1912	Vancouver, B.C.	41 2	10 8	5 4	16	11	2 sc.	Synod of the Diocese of Caledonia, Prince Rupert, B.C.
116941	Northern Light.	Kenora	1903	Kenora, Ont.	32 0	9 0	4 0	17	12	½ sc.	G. H. Draper, Kenora, Ont.
138024	Northland Call.	Kenora	1915	Peace River Crossing, Alta.	99 5	18 0	4 0	192	111	3 pa.	The Peace River Navigation Co., Ltd., Peace River Crossing, Alta.
134311	Northland Echo.	Kenora	1912	Athabasca, Alberta.	120 0	21 0	3 6	147	79	5 pa.	The Northern Transportation Co., Ltd., Athabasca Ldg., Alta.
134313	Northland Star.	Kenora	1910	Athabasca, Alberta.	67 0	12 5	2 0	19	12	1 pa.	The Northern Transportation Co., Ltd., Athabasca Ldg., Alta.
122698	Northland Sun.	Kenora	1907	Athabasca Landing, Alta.	103 0	17 0	4 5	132	83	3 pa.	The Northern Transportation Co., Ltd., Athabasca Landing, Alberta.
130717	Northland Trader (The)	Kenora	1906	Fort Smith, N.W.T.	87 0	16 5	6 0	110	59	8 sc.	The Northern Trading Co., Ltd., Edmonton, Alberta.
96637	Northumberland.	Charlottetown	1891	Newcastle-on-Tyne, G.B.	220 0	33 1	20 4	1,255	542	350 sc.	The Minister of Railways and Canals, Ottawa, Ont.
130792	Nortonian.	Vancouver	1911	Couquidam Lake, B.C.	47 5	12 5	4 6	24	17	3 sc.	Masset Timber Co., Ltd., Vancouver, B.C.
129711	Norway Belle.	Ottawa	1905	Bristol, Que.	66 7	25 8	4 7	46	42	1 pa.	Archibald Macfarlane, Bristol, Que.
130719	Notin.	Kenora	1913	Winnipeg, Man.	48 0	10 0	9 2	18	13	4 sc.	The Columbia River Lumber Co., Ltd., Golden, B.C.
130694	Nowitka.	Victoria	1911	Golden, B.C.	80 5	19 0	3 5	113	62	4 pa.	The Columbia River Lumber Co., Ltd., Golden, B.C.
126029	Noy.	Sydney, N.S.	1909	Buddock, N.S.	29 0	9 2	3 7	9	6	1 sc.	Farlane J. McFarlane, Buddock, N.S.
138166	Nubetha.	Vancouver	1916	Vancouver, B.C.	36 0	10 3	4 0	12	8	1 sc.	Leander Miller and Hugh Miller, J. O., Vancouver, B.C.
130978	Nubetha No. 14.	Collingwood	1914	Walker's Point, Ont.	44 0	11 6	4 8	24	17	6 sc.	Harper Walker, et al., J. O., Walker's Point, Ont.
116993	Nubetha No. 15.	Ottawa	1903	Toronto, Ont.	121 3	24 7	19 0	396	269	17½ sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
121459	Nubetha No. 18.	Montreal	1895	Christiansburg, Norway.	86 5	17 0	9 1	94	38	32 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
107302	Nyanza.	Quebec	1908	Kirkcubbin, G.B.	68 9	15 1	8 1	49	38	25 sc.	The Dalhousie Lumber Co., Ltd., Dalhousie, N.B.
138291	Nyanze.	Windsor, N.S.	1899	Horton, N.S.	76 5	21 3	8 2	83	49	17 sc.	Herbert E. Peck, Nainaimo, B.C.
109403	Nymoca.	Vancouver	1916	Nanaimo, B.C.	33 0	8 8	4 0	11	7	1 sc.	Herbert E. Peck, Nainaimo, B.C.
112171	Nymph.	Hamilton	1896	Hamilton, Ont.	72 0	11 0	5 0	51	35	7 sc.	G. F. Beaumont, et al., J. O., Toronto, Ont.
		Toronto.	1902	Millford Bay, Ont.	72 6	14 8	4 0	84	57	8 sc.	Peter Campbell, Gravenhurst, Ont.

No.	Name	Company	Tonnage	Length	Breadth	Speed	Engine	Remarks
134562	O. L. R.	Vancouver, B.C.	1	11	3	0	1	Alexander A. Murray, Vancouver, B.C.
134278	O. O.	Vancouver, B.C.	4	6	2	8	1	Wm. E. Simmons, Seaton, B.C.
130651	O. U. Buffalo	Chatham, N.B.	10	10	0	0	2	J. D. Irving, Buctouche, N.Y.
130590	Oak Leaf	Halifax	28	7	3	3	1	Gerald M. Doody, Halifax, N.S.
121819	Oakesella	Digby	3	5	3	3	1	Mrs. Ella M. Dunham, Digby, N.S.
133107	Oatland	Montreal	1,063	14	3	1,854	8	Montreal Transportation Company, Limited, Montreal, Que.
94914	Ocean Lily	Southampton	2	3	0	0	2	Edward Brooks, Red Bay, Ont.
116034	Ocebol	Richtbucto, N.B.	11	13	0	0	1	William E. Forbes, Richtbucto, N.B.
130248	Oceboa	Liverpool	15	13	4	5	1	James C. Bartling, Liverpool, N.S.
126284	Oceonee	St. John, N.B.	221	48	272	221	14	Suburban Steamship Co., Ltd., Browns Flats, N.B.
134260	Oditnak	Winnipeg	25	37	4	4	2	Harry W. Grenon and Joseph O. Grenon, Winnipegosis, Man.
138863	Odissa	Vancouver	5	30	20	1	1	N. M. Malakins, Vancouver, B.C.
134293	Ogala	New Westminster	30	30	20	1	1	Otlet S. Iverson, Squamish, B.C.
111460	Ogama	Winnipeg	29	45	2	4	1	Dominion Fish Co., Ltd., Winnipeg, Man.
94931	Ogemah	Port Hope	45	72	45	2	4	Prest Valley Navigation Co., Ltd., Bobcaygeon, Ont.
123232	Ojastoh	St. John, N.B.	4	6	3	3	1	Eljah Ross, St. John, N.B.
131511	Oluamel	Vancouver	3	5	4	3	3	Alexander Forrest, Ruby Creek, B.C.
131096	Ohio	Halifax	42	4	5	2	1	James M. Walker, Yarmouth, N.S.
116281	Ohm	Halifax	2	2	2	2	1	Walter S. DeBlois, Halifax, N.S.
138569	Ohomoshibo	Montreal	7	10	4	4	1	Frank C. Routh, Montreal, Que.
107087	Oiseau	Ottawa	90	148	7	0	13	The Pembroke Transportation Co., Ltd., Pembroke, Ont.
112068	Ojibawayan	Petit borough	1	1	1	1	1	Mrs. F. A. Price, Missisquoi, Ont.
122378	Okanagan	Vancouver	679	1,078	7	0	32	Canadian Pacific Ry. Co., Montreal, Que.
102305	Okema	Winnipeg	3	4	3	4	1	The Superintendent General of Indian Affairs, Ottawa, Ont.
134357	Okeza	Montreal	4	4	3	1	1	Mitchell O. Phillips, Caughnawaga, Que.
131228	Oksilo	New Westminster	3	4	3	3	1	John Smellie, Steveston, B.C.
130908	Ollalie	Vancouver	54	80	10	7	1	The Packers Steamship Co., Ltd., Vancouver, B.C.
107441	Old Pioneer	Vancouver	7	10	4	0	1	A. J. Manzold, London, Eng.
126798	Oldmaid	Liverpool	14	14	7	5	1	Butterfield, Macke & Co., Ltd., New Westminster, B.C.
131299	Oleary	New Westminster	35	50	10	10	16	Wm. S. Davidson, Halifax, N.S.
116277	Olive	Halifax	35	69	6	35	24	Cabarus & Louisburg Steamship Co., Ltd., Louisburg, N.S.
130611	Olive R.	Victoria	78	134	10	134	21	Vancouver Island Towing Co., Ltd., Victoria, B.C.
131205	Olive Trest	Liverpool	10	10	5	10	1	Alex. L. Bates, Louisburg, N.S.
134550	Omsala	Montreal	800	1,251	8	7	1	Oren J. Huskins, et al., Summersville, N.S.
122175	Ombabika	Port Arthur	76	76	6	0	10	Rever Steamship Co., Ltd., Montreal, Que.
107322	Omega	New Westminster	86	127	5	2	13	George H. Rapsey, Port Arthur, Ont.
107101	On Time	Victoria	56	86	6	6	13	Wm. C. Robinson, Lake Bennett, B.C.
121708	Onaganoh	Toronto	6	11	4	11	2	James Pope, Port Harvey, B.C.
92382	Onagwah	Kingston	36	39	5	3	6	Bertram Yates, Penacung, Ont.
133791	Onawa	Port Stanley	19	19	3	19	12	H. Fraser, Port Cockburn, Ont.
126872	Onawana	Kingston	35	35	3	3	13	Walter H. McPherson, M.O. Port Stanley, Ont.
130893	Ondot	St. John, N.B.	20	30	2	20	4	Wm. J. Reid, Gananoque, Ont.
103798	Oneta	Victoria	20	20	13	20	13	James E. George and Mrs. A. R. McInnes, Parrsboro, N.S.
90502	Ongara	Toronto	15	15	3	15	13	Fred. Cogle, Proctor, B.C.
134024	Oney Way (Tue)	Victoria	64	98	4	64	80	Freeman Payzant, Lockport, N.S.
133876	Oonama	Vancouver	3	3	2	3	2	Patrick J. Mesberry, Toronto, Ont.
94855	Oonawa	Montreal	11	11	3	11	2	James Lenore, Edmonton, Alta.
125983	Ontario No. 1	Montreal	1,018	1,615	4	1,615	3	Angus McDonnell, Vancouver, B.C.
137978	Ontario No. 2	Montreal	3,229	5,146	3	3,229	3	Canadian Pacific Railway Co., Montreal, Que.
116707	Onwarze	Quebec	291	3,376	3	291	3	The Ontario Car Ferry Co., Ltd., Montreal, Que.
111973	Onward	Southampton	12	12	6	12	3	The Ontario Car Ferry Co., Ltd., Montreal, Que.
			15	15	3	15	3	Harold Kennedy, Quebec, Ont.
			12	12	0	12	0	John McGraw, Kincaid, Ont.

Formerly "Alice Ethel." Formerly "Victoria." Formerly "Queen City." Formerly "St. George." Formerly "Larcher." Formerly "Stella Marion." Formerly "Antioch." Formerly "South East Shoal No. 18" and "Falken." Formerly a sailing vessel "Wm. J. Averell."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations.—*J.O.*, Joint owners—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Paddle—aubes; *Sc.*, Screw—a hélice.
 ©Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *Italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Build. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
126248	<i>Osally</i>	Victoria	1909	Vancouver, B.C.	49 6	10 5	6 0	23	13	31 sc.	Frank S. Barnard, Victoria, B.C.
135100	<i>Ossé River</i>	St. Catharines	1909	Dunaville, Ont.	45 0	10 0	2 5	16	13	3 sc.	Charles Ross, Port Maitland, Ont.
138823	<i>Osvald June</i>	Lancashire	1918	Tanook, N.S.	42 5	11 5	6 0	17	16	1 sc.	Joseph Hurtle, M.O., Tanook, N.S.
126102	<i>Opensong</i>	Ottawa	1909	Apprior, Ont.	104 5	21 3	6 5	121	77	54 hp.	Melachlin Bros., Ltd., Apprior, Ont.
139886	<i>Operator</i>	Victoria	1912	Pete J. and Cocho, B.C.	141 7	34 8	5 2	695	439	15 hp.	John W. Stewart, Vancouver, B.C.
112173	<i>Opbir</i>	Toronto	1902	Parry Sound, Ont.	41 8	9 4	4 0	41	41	1 sc.	Milton Pearce, Parry Sound, Ont.
131099	<i>Opitz</i>	Stedborne	1903	Shelburne, N.S.	72 0	17 6	8 1	44	41	2 sc.	John Wm. Swin, M.O., Lockport, N.S.
103914	<i>Ora</i>	Kingston	1868	Lake Beauport, B.C.	79 5	16 0	4 3	101	61	3 hp.	Edward J. Smyth, Victoria, B.C.
117128	<i>Ora</i>	Kingston	1905	Kingston, Ont.	34 0	6 0	3 3	4	3	15 sc.	Arthur F. Macnee, Kingston, Ont.
90768	<i>Oreada</i>	Port Arthur	1888	Goderich, Ont.	53 3	14 0	5 2	23	16	3 sc.	The Thunder Bay Contracting Co., Ltd., Port Arthur, Ont.
100917	<i>Oreada</i>	Port Arthur	1884	Collingwood, Ont.	52 0	11 8	5 8	26	18	8 sc.	The Church and Manse Board of the Presbyterian Church in Canada, Toronto, Ont.
122379	<i>Orcadia</i>	Vancouver	1907	Vancouver, B.C.	26 9	8 0	3 4	7	5	3 sc.	Robt. D. Gray, North Louisa, B.C.
135779	<i>Orcelund City</i>	Victoria	1912	Kelowna, B.C.	86 6	19 0	6 7	107	73	16 sc.	Kelowna Saw Mill Co., Ltd., Kelowna, B.C.
126241	<i>Oredonez</i>	Victoria	1909	Victoria, B.C.	35 5	9 0	4 6	10	7	1 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
134284	<i>Oregus</i>	Victoria	1912	Port Guelphon, B.C.	36 8	9 6	3 6	10	4	2 sc.	Torazo and Iwasaki Iwasaki, Victoria, B.C.
116270	<i>Oriana</i>	Toronto	1903	Buffalo, N.Y., U.S.A.	79 0	15 0	9 0	68	46	16 sc.	Strachan Johnston, Toronto, Ont.
111610	<i>Orollin</i>	New Westminster	1901	New Westminster, B.C.	36 0	8 2	3 0	12	9	1 sc.	Samuel C. Smith, Vernon, B.C.
121893	<i>Orrinose</i>	Liverpool	1906	Lokeport, N.S.	32 5	12 7	6 1	15	13	3 sc.	Gilbert S. Smith, M.O., Hunt's Point, N.S.
92431	<i>Oriole</i>	Vancouver	1889	Gravenhurst, Ont.	27 5	7 0	3 5	4	3	1 sc.	G. J. Phelkman, Vancouver, B.C.
88378	<i>Oriole</i>	Vancouver	1889	Victoria, B.C.	67 0	18 4	6 8	33	32	1 sc.	Wallace H. Mitchell, Jeddore, N.S.
122427	<i>Oriole B</i>	Halifax	1908	Chezzetcook, N.S.	91 1	17 4	10 6	109	40	42 sc.	Victoria Whaling Co., Ltd., Toronto, Ont.
116932	<i>Orion</i>	Kingston	1904	Christiana, Norway	38 8	8 1	4 3	3	3	1 sc.	John L. Seobie, Bristol, Que.
121448	<i>Oriska</i>	Ottawa	1903	Kingston, Ont.	35 8	6 2	2 8	3	3	3 sc.	Buffalo and Port Erie Steamship Co., Ltd., Fort Erie, Ont.
131133	<i>Orkeny</i>	Ottawa	1895	Ottawa, Ont.	118 0	28 0	5 0	2	12	1 sc.	Mrs. John J. Banfield, Vancouver, B.C.
107235	<i>Orleans</i>	Toronto	1910	Vancouver, B.C.	25 8	6 0	2 8	9	7	2 sc.	Grace Mining Co., Ltd., Ridgeway, Ont.
130807	<i>Orloman</i>	Kemora	1895	Hamilton, Ont.	31 5	6 0	4 0	17	12	1 sc.	Wallace Fisheries, Ltd., Vancouver, B.C.
116993	<i>Oronah</i>	Vancouver	1885	Beverly, G.R.	111 5	21 0	11 5	178	76	60 sc.	John Cunningham, Gaudetie, Que.
105040	<i>Oromes</i>	Vancouver	1909	Kingston Place, Ont.	37 8	8 0	4 0	18	9	2 sc.	James B. Oliver, Margot, Que.
122610	<i>Orvil</i>	Ottawa	1908	Kingston, Ont.	47 5	11 6	5 0	12	11	1 sc.	James B. Puterson, Montreal, Que.
134229	<i>Oscar C</i>	Montreal	1914	Dorval, Que.	37 2	5 5	4 3	11	7	3 sc.	Alfred W. LePage, Vancouver, B.C.
138530	<i>Osojous</i>	Vancouver	1917	Vancouver, B.C.	37 2	5 5	4 3	11	7	3 sc.	Alexander Purvis, Gorge Bay, Ont.
107138	<i>Osprey</i>	Goderich	1902	Goderich, Ont.	72 4	15 5	6 8	42	28	17 sc.	Alexander Purvis, Gorge Bay, Ont.
97016	<i>Osprey</i>	St. Catharines	1895	Port Robinson, Ont.	32 0	9 6	3 2	6	4	6 sc.	Eusebio Dazust, Noelville, Ont.

SESSIONAL PAPER No. 22

107488	Ossifrago.....	Chatham, Ont.....	161 6	27 8	9 0	632	303	54 sec.....	Wm. Ball, Chatham, Ont.
129059	Ostia.....	Victoria.....	25 0	7 2	3 3	5	3	11 sec.....	Isaburo Tasaka, Ganges, B.C.
130065	Ostrea.....	Ottawa.....	37 0	18 4	6 2	111	33	16 sec.....	The Minister of the Naval Service, Ottawa, Ont.
130380	Ott.....	Peterborough.....	74 0	8 2	3 0	9	6	23 sec.....	Albert Seriver, Hastings, Ont.
94628	Ottawa.....	Ottawa.....	50 6	13 6	5 8	21	14	50 sec.....	The Minister of Public Works, Ottawa, Ont.
116650	Ottawa.....	Ottawa.....	108 0	24 0	6 2	311	157	17 sec.....	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
121911	Otter.....	Kenora.....	40 0	7 0	4 0	16	11	1 sec.....	The Armstrong Trading Co., Ltd., Portage la Prairie, Man.
111662	Otter.....	Montreal.....	24 9	7 8	3 1	2	12	1 sec.....	A. R. Howell, Montreal, Que.
138071	Otter.....	Ottawa.....	45 0	10 6	4 0	20	13	2 pa.	Fohn Lumsden, Ottawa, Ont.
107832	Ottawa.....	Victoria, B.C.....	128 0	24 5	11 0	366	232	24 sec.....	Canadian Pacific Railway Co., Montreal, Que.
130929	Ouaniche.....	Lachine, Que.....	36 3	9 7	4 6	12	8	2 sec.....	Joseph Bray, Amherst, Island, Ont.
92982	Outlet Queen.....	Warburton, Ont.....	43 3	9 4	3 6	18	12	5 sec.....	Wm. Black, Belleville, Ont.
134520	Oveerland.....	Kin Stenon.....	215 0	31 3	10 4	758	398	54 sec.....	Robert S. Misner, et al., F.O., Stault Ste. Marie, Ont.
131167	Ovland.....	Bay City Mich, U.S.A.....	49 2	13 5	4 0	24	23	11 sec.....	George W. Pettipas, et al., Torbay, N.S.
130426	Ovona.....	Lamburg.....	33 3	9 5	4 5	18	16	1 sec.....	Harry S. Jackson, Windsor, B.C.
133704	Ovason.....	St. Andrews.....	33 3	9 5	4 5	18	16	1 sec.....	Abraham Heins, Jetway, B.C.
134427	Ovason.....	U.S.A.....	40 0	11 0	5 5	18	16	2 sec.....	The Packers Steamship Co., Ltd., Vancouver, B.C.
122306	Ovacko.....	Vancouver, B.C.....	60 0	13 8	6 4	38	26	3 sec.....	Marion Tug Boat Co., Ltd., Victoria, B.C.
130901	Owena.....	Tacoma, Wash., U.S.A.....	56 5	17 3	6 2	41	30	10 sec.....	Marion Tug Boat Co., Ltd., Victoria, B.C.
117051	Owled.....	Kingston, Ont.....	43 6	11 0	4 7	16	11	2 sec.....	Hugh C. Walkom, Montreal, Que.
122047	Oyama.....	Port Clyde, N.S.....	53 2	17 2	5 5	41	28	5 sec.....	Barrington & Cape Island Steu, Ferry Co., Ltd., Barrington, N.S.
134293	Opashimo.....	Stevenson, B.C.....	36 0	9 0	4 0	11	8	1 sec.....	Brydono L. Tineley, Port Clements, B.C.
128061	P. A.....	Charlottetown.....	37 5	12 5	5 2	15	12	1 sec.....	Philip M. Arsenault, St. Crysostome, P.E.I.
136310	P. R.....	Vancouver, B.C.....	35 0	9 2	4 4	11	7	1 sec.....	Power River Company, Ltd., Vancouver, B.C.
134215	P. R. T. No. 1.....	Prince Rupert, B.C.....	57 2	14 3	7 9	42	27	6 sec.....	Deep C. Fisheries, Ltd., Prince Rupert, B.C.
130856	P. W.....	Ladner, B.C.....	103 0	21 0	8 2	117	81	17 sec.....	Wallace Fisheries Ltd., Vancouver, B.C.
111023	P. W. B.....	Vancouver, B.C.....	24 6	9 6	4 4	1	13	8 sec.....	Peter W. Bishops, Bishops Landing, B.C.
134184	P. W. D. No. 1.....	St. John, N. B.....	315 0	42 8	18 0	1,065	887	66 sec.....	The Minister of Public Works, Ottawa, Ont.
130249	P. W. D. No. 7.....	Liverpool.....	130 0	20 0	11 0	232	47	27 sec.....	The Minister of Public Works, Ottawa, Ont.
134607	P. W. D. No. 201.....	Winnipeg.....	111 3	30 8	5 5	432	279	13 pa.	The Minister of Public Works, Ottawa, Ont.
134516	P. B. McNaughton.....	Sarnia.....	66 0	17 0	8 8	67	30	10 sec.....	The Minister of Public Works, Ottawa, Ont.
131067	P. C. Mason.....	Lamburg.....	42 8	10 6	5 2	11	10	1 sec.....	Phineas Mason and Charles Mason, Jr., Eastern Point, N.S.
134220	P. Doreen.....	Prince Rupert.....	43 5	11 0	4 8	14	9	2 sec.....	Henry T. Dorrion and Peter Dorrion, Prince Rupert, B.C.
92286	P. S. Hissordt.....	Owen Sound.....	66 0	16 0	6 0	45	31	30 sec.....	W. J. Bell, Sudbury, Ont.
119050	Pachena.....	Victoria.....	52 0	13 9	6 7	33	22	3 sec.....	Lambert Bay Packing Co., Ltd., Vancouver, B.C.
130426	Page.....	St. Andrews.....	59 0	16 2	8 7	39	27	2 sec.....	Comors Bros., Ltd., Blacks Harbour, N.B.
110619	Pandosta.....	St. John, N.B.....	330 6	48 1	23 5	3,326	215	290 sec.....	Steamship Pandosta Co., Ltd., Blacks Harbour, N.B.
126148	Panna.....	Port Glasgow, G.B.....	31 5	6 3	3 0	3	2	21 sec.....	J. J. Credo, Grandes Piles, Que.
131183	Panter.....	St. John, N.B.....	48 0	12 0	3 6	15	10	2 sec.....	Thomas Kelly, Rosneath, Ont.
100756	Pappoose.....	Rice Lake, Ont.....	71 5	18 3	5 7	39	27	4 sec.....	Alfred H. Clarke, Windsor, Ont.
137889	Parbide.....	Bromf., Ont.....	46 0	11 0	5 2	11	8	1 sec.....	Alfred S. Ward, Toronto, Ont.
138037	Parbide.....	Port Clyde, N.S.....	33 5	9 6	5 0	18	11	1 sec.....	James N. Cady, Port Monton, N.S.
96643	Parbide.....	Port Clyde, N.S.....	33 5	9 6	5 0	18	11	1 sec.....	Canada Steamship Lines, Montreal, Que.
122272	Parbide.....	Newcastle on Tyne, G.B.....	44 0	12 1	24 0	2,990	1,875	150 sec.....	The Minister of Public Works, Ottawa, Ont.
116323	Parbitho.....	Parrishoro, N.S.....	63 0	17 7	7 0	57	26	20 sec.....	The Nova Scotia Construction Co. Ltd., Sydney, N.S.
103911	Parbitho.....	Kingston.....	126 8	38 3	7 1	198	84	17 pa.	The Calvin Co., Ltd., Garden Island, Ont.
134486	Passaportont.....	Garden Island, Ont.....	49 1	11 3	5 7	29	13	2 sec.....	Harbour Commissioners of Montreal, Montreal, Que.
100234	Pastimo.....	Halifax.....	69 7	20 3	6 5	68	46	18 sec.....	Albert P. Colman, Halifax, N.S.
111751	Pastimo.....	Kenora.....	42 0	7 0	3 2	15	11	1 sec.....	Young Men's Christian Association, Winnipeg, Man.
116917	Pathfinder.....	Prince Albert, Sask.....	66 0	12 5	4 5	23	16	13 pa.	Richard Dawson, Prince Albert, Sask.
126634	Pathfinder.....	Vancouver, B.C.....	28 5	7 4	3 5	4	3	1 sec.....	Ernest S. Willbald, Vancouver, B.C.
138391	Patricia F.....	Lamburg.....	38 0	10 3	5 8	12	7	1 sec.....	Francis Fleaming, M.O. Ketch Harbour, N.S.
116115	Patsay.....	Victoria.....	33 5	8 2	3 9	7	5	1 sec.....	Joseph Newberg, Nanaimo, B.C.
138095	Paul C.....	Grandes Piles, Que.....	35 7	7 7	2 8	7	5	3 sec.....	John J. Credo, Grandes Piles, Que.
111801	Pauline Hickler.....	Amherstburg.....	59 6	16 6	5 2	51	26	8 sec.....	John G. Mullon, Amherstburg, Ont.
141022	Pauline J.....	Amherstburg.....	59 6	16 6	5 2	51	26	8 sec.....	John G. Mullon, Amherstburg, Ont.

1 Foreign name "Marion," 2 Formerly "W. S. Fielding," 3 Formerly a sailing vessel, 4 Formerly a "Birdswell," 5 Formerly "Chub," 6 Formerly "Bangor," 7 Formerly "Kongo," 8 Formerly "Lisgar," 9 Formerly "Birdswell," 10 Formerly "Bangor."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations — *Motricités* — Joint owners — propriétaires conjoints; M.O., Managing owner — propriétaire gérant; Pa., Paddle — à aubes; Sc., Screw — à hélice
 © Equipped with Wireless — Muni de la T. S. F. — Names of Motor Vessels in italics — Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Built Constructeur	Where Built Lieu de construction	Length in feet and 10ths Longueur en pieds et 10es	Breadth in feet and 10ths Largeur en pieds et 10es	Depth in feet and 10ths Profondeur en pieds et 10es	Gross Tonnage Tonnage brut	Registered Tonnage Tonnage enregistré	H.P. of Engines and Mode Puissance des machines en c.v. et mode de propulsion	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
137975	<i>Parillon II</i>	Montreal	1914	Sherbrooke, Que.	29 5	4 7	2 2	2	2	1 sc.	Joseph O. Gagnon, Sherbrooke, Que.
138078	Parvace	Sydney, N.S.	1880	Athens, N.Y., U.S.A.	115 8	26 4	5 7	107	65	50 sc.	Cape Breton Electric Co., Ltd., Sydney, N.S.
138270	Ray-siak	New Westminster	1909	New Westminster, B.C.	126 5	49 9	2 80	280	129	9 hp.	Canadian Kelp Products, Ltd., Vancouver, B.C.
121777	Reaco River	Winnipeg	1905	Fort Vermilion, Alta.	110 0	21 0	4 5	292	184	6 hp.	Hudson's Bay Co., London, Eng.
134993	<i>Peace River Boy</i>	Winnipeg	1915	Prudens Crossing, Alta.	68 6	14 0	2 5	16	11	6 sc.	Mrs. A. M. Smith, Vancouver, B.C.
136953	Reach	Vancouver	1910	Vancouver, B.C.	39 6	10 4	5 3	16	11	2 sc.	Maritime Fisheries, Ltd., Vancouver, B.C.
107572	Reall	Victoria	1889	Robeyzeon, Ont.	35 0	7 2	3 0	6	4	2 sc.	James Lewis, Robeyzeon, Ont.
119406	Reall	New Westminster	1901	Vancouver, B.C.	29 7	7 7	3 0	3	4	1 sc.	G. Stanley Harris, Pender Island, B.C.
90895	Reall	New Westminster	1884	Seattle, Wash., U.S.A.	62 4	14 5	3 5	75	54	30 hp.	John H. Lowe, Vancouver, B.C.
121710	Reall	Toronto	1907	Parry Sound, Ont.	35 0	7 9	3 4	4	4	1 sc.	Albert McCallum, Parry Sound, Ont.
122524	<i>Reall Beatrice II</i>	Vancouver	1911	Tanquer, N.S.	56 2	14 0	3 7	32	31	7 sc.	James S. Emerson, Vancouver, B.C.
126053	Reel	Lunenburg	1909	St. John's, N.S.	91 5	22 1	10 7	205	137	46 sc.	Wm. Hubbley, M.O. Indian Harbour, N.S.
111933	Reelless	New Westminster	1904	New Westminster, B.C.	92 0	20 5	6 0	91	81	29 sc.	The Minister of Public Works, Ottawa, Ont.
97252	Reelless	Sydney, N.S.	1884	Athens, N.Y., U.S.A.	90 0	20 0	6 0	128	81	30 sc.	Westminster Towing & Fish Co., Ltd., New Westminster, B.C.
138417	Reekin	Winnipeg	1912	Saskatoon, Man., N.S.	51 8	13 8	5 0	30	26	4 sc.	Cape Breton Electric Co., Ltd., Sydney, N.S.
107328	Reekin	Liverpool	1906	Wasser's River, N.S.	40 4	15 5	7 5	85	50	65 sc.	The Minister of Public Works, Ottawa, Ont.
136588	Relee	Amherstburg	1914	Collingwood, Ont.	146 0	24 1	9 9	538	243	50 hp.	George F. Moore, Sydney, N.S.
103434	Reimbroke	Vancouver	1895	Pembroke, Ont.	104 5	28 2	6 6	194	111	1 sc.	Windsor & Pelee Island Steamship Co., Ltd., Pelee Island, Ont.
117066	Reimbroke	Vancouver	1904	Vancouver, B.C.	33 7	9 7	5 2	10	64	21 sc.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
111914	Reimbroke	Toronto	1901	Owen Sound, Ont.	42 0	16 5	8 8	100	64	6 sc.	Brooks-Seaton-O'Brien Co., Ltd., Vancouver, B.C.
116598	Reimbroke	Toronto	1901	Chesland, O., U.S.A.	45 8	35 4	2 9	428	379	6 sc.	Lake Shore Sand & Gravel Co., Ltd., Toronto, Ont.
111987	Reimbroke	Vancouver	1886	Seattle, Wash., U.S.A.	95 0	35 4	8 4	3	2	6 sc.	H. H. Hayden, Vancouver, B.C.
96984	Reimbroke	New Westminster	1889	Okanagan Lake, B.C.	75 0	16 0	6 0	50	34	4 sc.	B. Lequire, M.O. Kelowna, B.C.
102571	Reimbroke	New Westminster	1882	Wetoghan, N.B.	77 0	17 1	6 6	80	56	13 sc.	Hugh Cam & Son, Ltd., Yarmouth, N.S.
92379	Reimbroke	St. John, N.B.	1888	Rothsley, N.B.	38 4	8 9	2 2	12	8	15 sc.	A. H. FitzRandolph, Fredericton, N.B.
100470	Reimbroke	Quebec	1882	Roberval, Que.	90 0	21 8	6 2	170	113	28 hp.	Quebec Development Co., Ltd., Montreal, Que.
138022	Reimbroke	Kenora	1910	Shimoo, Ont.	42 0	8 4	3 0	29	5	5 sc.	Shelvin Clarke Company, Ltd., Port Frances, Ont.
130700	Reimbroke	Vancouver	1911	Vancouver, B.C.	34 0	10 3	4 6	4	4	1 sc.	Wm. N. McAphine, Vancouver, B.C.
116745	Reimbroke	Halifax	1905	Malbone Bay, N.S.	43 4	12 3	5 8	12	12	4 sc.	Charles E. Boachie et al., River Bourgeois, N.S.
107526	Reimbroke	Victoria	1891	Upper Columbia River B.C.	49 8	17 5	2 0	5	4	13 sc.	Robert Miller, Golden, B.C.
138726	Reimbroke	New Westminster	1914	Stevenson, B.C.	39 0	10 3	4 0	4	4	13 sc.	H. A. Olson, Stevenson, B.C.
100809	Pete Gorman	Port Arthur	1882	Sagham, Mich., U.S.A.	76 0	19 8	2 0	37	13 sc.	13 sc.	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
141197	Peter V.	Vancouver	1912	Sea Island, B.C.	34 0	9 0	2 9	6	7	1 sc.	Pete Stanovich, Vancouver, B.C.
138571	Peter Pan Second	Windsor, Ont.	1917	Collingwood, Ont.	97 0	23 0	10 2	190	58	34 sc.	The Ontario Gravel Freightling Co., Ltd., Windsor, Ont.

1908	1909	1910	Toronto...	Paspebiac...	Peter Paul...	35.6	9.8	5.2	31	21	1 se.	The Dredging & Dock Co., Ltd., Toronto, Ont.
1038299	1898	1910	Paspebiac...	Bombay...	Peter Paul...	27.6	9.4	3.8	7	5	1 se.	Argus McLean, Montreal, Que.
1038683	1898	1909	Hull...	Hull...	Hull...	29.5	8.5	3.5	6	4	5 se.	J. N. Hume, Halifax, N.S.
1344883	1915	1915	Port Richmond, N.Y.	Port Richmond, N.Y.	Port Richmond, N.Y.	123.7	26.3	15.3	540	367	63 se.	War Office, London, England
1039140	1892	1892	Owen Sound, Ont.	Owen Sound, Ont.	Owen Sound, Ont.	116.0	22.0	9.6	346	199	80 se.	Collins's Bay Rafting & Forwarding Co., Kingston, Ont.
1219741	1906	1906	Victoria, B.C.	Victoria, B.C.	Victoria, B.C.	86.4	17.0	12.3	192	58	50 se.	The Minister of Marine and Fisheries, Ottawa, Ont.
1221716	1906	1906	Lake Nepigon, Ont.	Lake Nepigon, Ont.	Lake Nepigon, Ont.	86.4	12.0	5.0	234	28	23 se.	The Minister of Public Works, Ottawa, Ont.
1406689	1911	1911	Shelburne, N.S.	Shelburne, N.S.	Shelburne, N.S.	35.0	6.9	4.1	20	20	2 se.	Michael J. O'Brien, et al., Renfrew, Ont.
1459828	1913	1913	Port Combs, B.C.	Port Combs, B.C.	Port Combs, B.C.	48.8	10.2	1.0	8	5	1 se.	Arthur W. Puddington, St. John, N.B.
1466888	1910	1910	Tanook, N.S.	Tanook, N.S.	Tanook, N.S.	38.8	10.8	1.0	25	17	1 se.	Henry A. Barnett, New Westminster, B.C.
1305633	1910	1910	Huntsville, Ont.	Huntsville, Ont.	Huntsville, Ont.	40.6	10.8	5.6	12	11	4 se.	David Morash, M.O., West Dover, N.S.
111571	1909	1909	Huntsville, Ont.	Huntsville, Ont.	Huntsville, Ont.	50.0	4.8	2.9	20	20	1 se.	Huntsville Lake of Bays & Lake Simcoe Nav. Co., Ltd., Huntsville, Ont.
103480	1906	1906	Ballard, Wash., U.S.A.	Ballard, Wash., U.S.A.	Ballard, Wash., U.S.A.	75.7	16.0	6.0	87	51	11 se.	The British Columbia Cannine Co., Victoria, B.C.
134078	1913	1913	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	40.4	10.7	3.6	10	7	2 se.	Matthew Wilson and James J. Jackson, Vancouver, B.C.
133851	1913	1913	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	41.0	9.7	4.2	9	9	2 se.	Henry O. Alexander, Vancouver, B.C.
130719	1911	1911	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	47.2	11.8	6.0	21	16	24 se.	Charles Wizard, Vancouver, B.C.
116380	1911	1911	Winnipeg	Winnipeg	Winnipeg	21.0	5.4	2.5	2	1	1 se.	J. Walsh and W. C. Dalton, J.O., Port Arthur, Ont.
130274	1887	1887	Brooklyn, N.Y., U.S.A.	Brooklyn, N.Y., U.S.A.	Brooklyn, N.Y., U.S.A.	103.0	21.5	8.0	161	12	31 se.	Lake Winnipeg Shipping Co., Ltd., Winnipeg, Man.
130629	1871	1871	Kingsport, Ont.	Kingsport, Ont.	Kingsport, Ont.	73.9	18.8	7.1	232	153	14 se.	F. J. Nuttall and W. S. Nuttall, J.O., Port Arthur, Ont.
1006	1906	1906	Roberval, Que.	Roberval, Que.	Roberval, Que.	65.4	17.6	3.5	57	34	14 se.	Canada Steamship Lines, Ltd., Montreal, Que.
15884	1884	1884	St. Nicholas, Que.	St. Nicholas, Que.	St. Nicholas, Que.	122.0	22.4	7.4	262	165	72 pa.	H. S. Fisher, Roberval, Que.
1897	1897	1897	Pilot Bay, B.C.	Pilot Bay, B.C.	Pilot Bay, B.C.	25.0	6.5	3.8	9	9	1 se.	Charles G. Kingston, Vancouver, B.C.
1002	1902	1902	Fredericton, N.B.	Fredericton, N.B.	Fredericton, N.B.	71.0	15.1	2.2	8	5	1 se.	The Vale Colliery and Timber Co., Ltd., Nelson, B.C.
1015	1905	1905	Fredericton, N.B.	Fredericton, N.B.	Fredericton, N.B.	71.0	15.1	2.2	42	20	6 se.	The Smiley & Pease Tree Company, Ltd., Peace River, Alta.
134606	1904	1904	Chevalerie, Ont., Can.	Chevalerie, Ont., Can.	Chevalerie, Ont., Can.	60.0	12.8	2.5	34	18	4 se.	Robert C. Jones, St. Catharines, Ont.
134587	1904	1904	Malbone Bay, U.S.A.	Malbone Bay, U.S.A.	Malbone Bay, U.S.A.	42.1	10.8	5.2	15	11	1 se.	Michael W. Keating, Charlottetown, P.E.I.
13286	1902	1902	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	28.3	10.0	2.2	14	9	1 se.	Wm. P. Blackham and Wm. Rose Vancouver, B.C.
130882	1913	1913	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	28.0	10.0	1.3	9	9	2 se.	Miss Timber Co., Ltd., Vancouver, B.C.
126235	1905	1905	Richibucto, N.B.	Richibucto, N.B.	Richibucto, N.B.	120.6	31.0	12.0	550	348	87 se.	Levis Ferry, Ltd., Levis, Que.
116828	1905	1905	Richibucto, N.B.	Richibucto, N.B.	Richibucto, N.B.	53.0	11.0	7.8	13	10	2 se.	Michael Thimo, Jr., Esquimaux, N.B.
131529	1912	1912	Phippsburg, Me., U.S.A.	Phippsburg, Me., U.S.A.	Phippsburg, Me., U.S.A.	49.7	14.5	6.5	42	30	10 se.	Bernhard T. Brynolson, Vancouver, B.C.
133725	1912	1912	North Hatley, Que.	North Hatley, Que.	North Hatley, Que.	48.0	10.5	7.0	21	23	13 se.	John T. Sully, St. John, N.S.
131078	1912	1912	Tanook, N.S.	Tanook, N.S.	Tanook, N.S.	48.0	10.5	7.0	21	23	13 se.	Frederick Wolfe, Verdun, N.S.
116595	1915	1915	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	68.2	14.3	4.2	19	8	12 se.	J. R. Stimpson, North Hatley, Que.
137956	1911	1911	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	92.8	20.1	11.7	205	131	1 se.	The Minister of Public Works, Ottawa, Ont.
130837	1911	1911	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	32.3	10.6	1.7	19	13	4 se.	The Minister of Public Works, Ottawa, Ont.
134503	1912	1912	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	105.7	21.3	13.3	300	190	62 se.	The Minister of Public Works, Ottawa, Ont.
130917	1912	1912	North Vancouver, B.C.	North Vancouver, B.C.	North Vancouver, B.C.	105.7	21.3	13.3	300	190	62 se.	The Minister of Public Works, Ottawa, Ont.
130310	1910	1910	Kingston, Ont.	Kingston, Ont.	Kingston, Ont.	62.7	12.6	8.2	66	43	16 se.	The Minister of Public Works, Ottawa, Ont.
126930	1911	1911	Kingston, Ont.	Kingston, Ont.	Kingston, Ont.	107.3	23.0	12.6	96	54	16 se.	The Minister of Agriculture, Ottawa, Ont.
134107	1883	1883	Levis, Que.	Levis, Que.	Levis, Que.	43.9	11.2	6.0	23	16	4 se.	Imperial Oil Co., Ltd., Vancouver, B.C.
15729	1883	1883	Levis, Que.	Levis, Que.	Levis, Que.	118.5	31.1	16.3	533	320	80 se.	The Quebec & Levis Ferry Co., Ltd., Quebec, Que.
134727	1912	1912	Caulfield, B.C.	Caulfield, B.C.	Caulfield, B.C.	41.5	9.1	4.2	18	12	4 se.	Wm. Poole Dryer and George C. Hinton, Vancouver, B.C.
1399	1899	1899	Quebec, Que.	Quebec, Que.	Quebec, Que.	29.6	7.0	3.5	4	3	5 se.	Joseph X. Toussaint, Quebec, Que.
138115	1912	1912	New Westminster, B.C.	New Westminster, B.C.	New Westminster, B.C.	40.0	10.0	3.2	4	3	1 se.	Fredrick J. Herstad, New Westminster, B.C.
122475	1907	1907	Toronto, Ont.	Toronto, Ont.	Toronto, Ont.	66.0	22.0	5.2	88	23	33 pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
134351	1913	1913	Lachine, Ont.	Lachine, Ont.	Lachine, Ont.	25.0	7.3	2.2	7	3	3 se.	Walter F. B. Henry, Lachine, Que.
126920	1911	1911	Little Tanook, N.S.	Little Tanook, N.S.	Little Tanook, N.S.	35.7	7.8	3.2	8	6	2 se.	George Fournier, Halifax, N.S.
116334	1903	1903	Stinson, Ont.	Stinson, Ont.	Stinson, Ont.	40.0	16.0	3.0	13	9	20 pa.	Peter Whalen, Ottawa, Ont.
100687	1891	1891	Popcorn, B.C.	Popcorn, B.C.	Popcorn, B.C.	50.0	12.0	3.5	12	8	1 pa.	Wm. Knight, Popcorn, B.C.
126332	1909	1909	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	28.2	7.6	3.3	7	5	2 se.	Ernest Easthope, Vancouver, B.C.
138775	1917	1917	Port Albion, B.C.	Port Albion, B.C.	Port Albion, B.C.	46.7	13.3	6.5	35	21	9 se.	Ernest A. Crowl, Albert, B.C.
126885	1908	1908	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	32.8	9.4	4.0	13	9	2 se.	Bromes Steamship Co., Ltd., Vancouver, B.C.
135130	1916	1916	Elgin, B.C.	Elgin, B.C.	Elgin, B.C.	32.8	9.0	4.0	13	9	2 se.	William J. Ealden, Elgin, B.C.
90765	1886	1886	Port Elgin, Ont.	Port Elgin, Ont.	Port Elgin, Ont.	35.0	6.6	3.7	25	35	35 se.	Alec R. Craige, Tp. of St. Edmund, Ont.

¹⁰ Formerly "Chayoquot."

⁹ Formerly "Westport."

³ Formerly "Prospective."

² Formerly "Wm. G. Small."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless. Muni de la T. S. F. Nomes of Motor Vessels in italics. Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built Cogs. truit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130850	<i>Port Mann</i> V.O. I.	Victoria	1911	Vancouver, B.C.	40 0	9 0	4 6	13	9	11 sc.	Arthur H. Dawson, McChaelet, B.C.
129293	<i>Port Mellon</i> Flygr.	Vancouver	1908	Vancouver, B.C.	37 7	10 8	4 8	15	10	11 sc.	Charles Dawley, Claydon, B.C.
131146	<i>Port Moody</i>	Vancouver	1911	Vancouver, B.C.	34 0	8 6	3 2	11	7	11 sc.	Alexander J. Leitch, Vancouver, B.C.
122900	Port Simpson	Victoria	1908	Victoria, B.C.	135 6	30 4	5 1	607	379	15 pa.	The Hudson's Bay Company, London, Eng.
129014	<i>Port Wade</i>	Ampulolis Royal	1909	Weymouth, N.S.	43 0	12 0	5 0	17	13	17 sc.	Andrew D. Malcolm, St. John, N.B.
153905	Portneuf	Sorel	1905	Sorel, Que.	80 0	17 2	8 1	101	31	17 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
138500	<i>Post</i>	Montreal	1913	Sarnau, Ont.	45 4	10 0	3 9	17	10	21 sc.	St. Maurice Construction Co., Ltd., Montreal, Que.
131564	<i>Powerful Monkey</i>	Vancouver	1912	New Westminster, B.C.	32 0	7 4	3 8	9	6	1 sc.	Thomas T. Lapaluis, Vancouver, B.C.
91798	Powerful	Richibucto	1900	Reston, N.B.	54 0	11 0	2 6	29	18	20 sc.	J. & F. Larline, Ltd., Reston, N.B.
103557	Préfontaine	Montreal	1896	Sorel, Que.	292 0	39 6	8 0	899	533	56 sc.	Alphonse Guertin, Montreal, Que.
112166	Premier	Chatham, N.B.	1903	Chatham, N.B.	35 0	10 4	4 8	9	6	6 sc.	A. F. Bondy, M.O., Chatham, N.B.
122444	Premier	St. John, N.B.	1907	Clifton, N.B.	81 2	21 8	6 0	251	191	29 sc.	David Coy, St. John, N.B.
92735	<i>Princess</i>	Toronto	1888	Michigan, N.S.	130 0	25 2	9 0	337	215	10 sc.	Thomas B. Clinin, et al., Spelt Ste Marie, Ont.
138187	<i>President H</i>	New Westminster	1916	Big Harbour, Wash. U.S.A.	59 0	14 7	6 6	31	25	32 sc.	Pacific Steamship Co., Ltd., Vancouver, B.C.
138750	<i>Prin</i>	New Westminster	1913	Greenville, B.C.	38 0	8 2	3 0	8	7	1 sc.	Louis F. Ocean Falls, B.C.
134354	<i>Princess V.</i>	Montreal	1914	Noire Dame de Porre-Ville, Que.	35 0	7 1	3 0	4	1	1 sc.	Hormidas Prevost, Varennes, Que.
107591	Prinriese	Owen Sound	1899	Owen Sound, Ont.	53 0	11 0	5 0	23	16	9 sc.	James J. Medfield, Spraggs, Aragon, Ont.
91090	Prinriese	Toronto	1890	Toronto, Ont.	110 2	28 2	6 8	180	119	12 pa.	The Toronto Ferry Co., Ltd., Toronto, Ont.
17197	Prinriese	Kenora	1905	Kenora, Ont.	37 0	6 0	3 0	3	1	sc.	Nell Brandt, Kenora, Ont.
93954	Prinriese Albert	Prince Rupert	1892	Hull, G.B.	232 0	30 0	14 1	1,015	577	170 sc.	The Grand Trunk Pacific Development Co., Ltd., Montreal, Que.
107319	Prince Albert	Yarmouth	1901	Shelburne, N.S.	97 0	29 0	8 1	127	61	21 sc.	The Dominion Atlantic Railway Co., Ltd., London, Eng.
11031	Prince Arthur	Yarmouth	1893	Hull, G.B.	200 3	58 0	16 5	2,188	924	116 sc.	The Boston & Yarmouth Steamship Co., Ltd., Montreal, Que.
80655	Prince Edward	Pictou, Ont.	1885	Deseronto, Ont.	50 8	18 4	3 0	18	12	12 pa.	Wm. J. Powles, Pictou, Ont.
131206	Prince Edward	Charlottetown	1915	Walker-on-Tyne, G.B.	285 3	52 2	21 3	2,795	1,110	520 sc.	The Minister of Railways and Canals, Ottawa, Ont.
110093	Prince George	Yarmouth	1893	Hull, G.B.	200 5	38 0	16 5	2,191	932	716 sc.	The Boston & Yarmouth Steamship Co., Ltd., Montreal, Que.
129476	Prince Louis	Halifax	1900	Kinderdyk, Holland	159 3	28 0	10 2	473	341	263 sc.	Wm. J. Powles, Montreal, Que.
129172	Prince John	Prince Rupert	1910	Bowling, G.B.	185 3	29 0	10 9	905	570	163 sc.	The Grand Trunk Pacific Development Co., Ltd., Montreal, Que.

No.	Name	Port	28	8	9	0	3	0	3	4	3	1	sec.
126611	Prince Olaf	Prince Rupert											Thornton M. Orwig, Port Essington, B.C.
126795	Prince Ray	Lunenburg	73	6	18	8	2	8	2	39	24	sec.	The W. J. Poupore, Co., Ltd., Montreal, Que.
103595	Princess Charlotte	Charlottetown	165	0	26	0	17	5	3	252	90	sec.	The Minister of Marine and Fisheries, Ottawa, Ont.
130918	Princess Adelaide	Ganong, G.B.	290	5	46	1	15	0	3	1,910	613	sec.	Canadian Pacific Railway Co., Montreal, Que.
130600	Princess Alice	Walsand-on-Tyne, G.B.	193	6	46	1	15	3	3,090	1,904	610	sec.	Canadian Pacific Railway Co., Montreal, Que.
116105	Princess Beatrice	Victoria, B.C.	290	4	47	4	14	2	1,290	635	124	sec.	Canadian Pacific Railway Co., Montreal, Que.
126236	Princess Charlotte	Victoria	330	0	46	7	23	3	3,844	1,909	795	sec.	Canadian Pacific Railway Co., Montreal, Que.
122887	Princess Ena	Victoria	195	1	38	2	22	6	1,368	827	75	sec.	Canadian Pacific Railway Co., Montreal, Que.
77903	Princess Louise	Cornwall	67	7	13	0	4	2	26	18	25	sec.	A. Smallman, Dundee, Que.
133760	Princess MacQueen	Victoria	232	5	38	0	14	5	1,777	979	115	sec.	Canadian Pacific Railway Co., Montreal, Que.
190550	Princess Mary	Victoria	248	4	40	1	14	0	2,155	1,316	191	sec.	Canadian Pacific Railway Co., Montreal, Que.
109560	Princess Mary	Vancouver	219	0	33	2	17	7	1,717	892	450	sec.	Canadian Pacific Ry. Co., Montreal, Que.
115685	Princess Patricia	Newcastle-on-Tyne, G.B.	270	0	32	1	11	1,158	535	450	sec.	Canadian Pacific Ry. Co., Montreal, Que.	
121083	Princess Royal	Dumbarton, G.B.	228	0	40	0	16	6	1,997	981	177	sec.	Canadian Pacific Railway Co., Montreal, Que.
126880	Princeton	Vancouver, B.C.	30	9	10	1	3	9	12	8	13	sec.	Canadian Explosives, Ltd., Montreal, Que.
103646	Priscilla	Kingston, Ont.	53	2	9	2	4	6	20	14	15	sec.	Mrs. Emma Michels, Gravenhurst, Ont.
107724	Proctor	Victoria	67	6	11	4	5	8	29	29	13	sec.	Canadian Pacific Railway Co., Montreal, Que.
121258	Progressive	Vancouver, B.C.	75	6	18	0	8	8	88	60	34	sec.	Kingcome Navigation Co., Ltd., Vancouver, B.C.
138508	Protective	Vancouver, B.C.	67	0	17	0	7	9	71	48	16	sec.	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
131553	Promative	Vancouver, B.C.	55	3	18	0	7	5	55	37	15	sec.	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
131029	Pronto	Vancouver, B.C.	36	3	8	2	3	6	5	3	14	sec.	William Turner, Vancouver, B.C.
141301	Prospective I	Vancouver, B.C.	69	3	18	2	8	2	85	39	13	sec.	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
121713	Prospective	Vancouver, B.C.	27	0	7	2	2	3	8	5	1	sec.	John M. Fuller, Vancouver, B.C.
141108	Protective	Victoria	71	8	20	6	6	8	89	11	16	sec.	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
132022	Proven	New Westminster	67	5	17	5	7	6	73	50	191	sec.	Monarch Towing & Trading Co., Ltd., New Westminster, B.C.
130554	Puddle Dock	Vancouver	20	0	9	3	3	0	8	6	1	sec.	John W. C. Lord, New Westminster, B.C.
129403	Puffing Billy	Charlatan, N.B.	42	5	9	1	4	4	15	9	10	sec.	Harry de Wolfe King, Vancouver, B.C.
129732	Puffing Billy	Toronto	23	8	5	8	2	9	3	2	2	sec.	Joseph H. Taylor, Campbellton, N.B.
136436	Pudge	Vancouver	31	5	2	9	2	4	11	7	3	sec.	John Cantley, Mintoamanshene, Ont.
134133	Punmer	Quebec	51	7	14	6	7	0	52	23	13	sec.	Ernest Easthope, Vancouver, B.C.
111923	Puritan	Toronto	41	4	6	8	3	0	6	6	4	sec.	War Office, London, Eng.
	Purity	Kenora	56	3	13	5	6	0	48	33	3	sec.	Priscilla Steam Yacht Co., Ltd., Toronto, Ont.
121738	Pursued	Vancouver	32	0	10	0	3	3	12	8	3	sec.	Western Canada Flour Mills Co., Ltd., Toronto, Ont.
122630	Pusher	Charlatan, N.B.	28	0	10	0	2	0	15	9	3	pa.	William Main, M.O., Vancouver, B.C.
	Quebec	Quebec	152	0	34	1	11	8	520	261	51	sec.	Felix Mecharu, Baie-Comeau, N.B.
	No. 2	Quebec	35	0	9	1	3	0	12	8	32	sec.	Quebec Harbour Commissioners, Quebec, Que.
130706	No. 3	Vancouver	62	0	17	0	4	0	82	51	10	sec.	Quinton J. Trotter, Vancouver, B.C.
121780	Od Appelle	Winnipeg	171	5	31	1	13	6	682	375	190	sec.	Wm. Pearson Co., Ltd., Winnipeg, Man.
96859	Odessa	Vancouver	96	9	22	0	11	9	200	98	191	sec.	Charles Stephenson Co., Ltd., Britannia Beach, B.C.
130007	Odessa	Victoria	96	9	22	0	11	9	200	98	191	sec.	Canadian Pacific Railway Company, Montreal, Que.
130750	Odessa	Vancouver	11	3	1	3	1	16	9	11	1	sec.	Thos. W. Whitman, Vancouver, B.C.
126638	Odessa	Vancouver	40	2	11	8	4	0	13	16	9	sec.	John and John L. Ford, Morley, Island, B.C.
134076	Odessa No. 3	Vancouver	33	0	8	6	0	23	15	5	8	sec.	Quadraski Cannine Co., Ltd., Quadras Lake, B.C.
130793	Odessa No. 3	Vancouver	41	0	12	4	2	2	14	11	5	sec.	Quadraski Cannine Co., Ltd., Quadras Lake, B.C.
134104	Odessa No. 5	Vancouver	38	9	11	2	4	1	14	11	5	sec.	Quadraski Cannine Co., Ltd., Quadras Lake, B.C.
137931	Odessa No. 7	Vancouver	42	7	13	3	6	4	37	25	31	sec.	William F. Anderson, Quadras Lake, B.C.
134155	Odessa No. 8	Vancouver	47	7	13	3	6	4	30	21	3	sec.	William F. Anderson, Quadras Lake, B.C.
138156	Odessa No. 8	Vancouver	48	8	13	1	6	0	29	19	3	sec.	Wm. F. Anderson, Quadras Lake, B.C.
138156	Odessa No. 10	Vancouver	50	6	11	4	4	5	21	14	2	sec.	Wm. F. Anderson, Quadras Lake, B.C.
138005	Odessa	Port Arthur, Ont.	50	6	11	4	4	5	21	14	2	sec.	James Whelan, Port Arthur, Ont.
133780	Odessa	Victoria	45	0	13	5	7	0	26	14	1	sec.	Robert E. Monaghan, Victoria, B.C.
	Odessa	Victoria	45	0	13	5	7	0	26	14	1	sec.	Robert E. Monaghan, Victoria, B.C.

¹ Foreign name "The Ball."
² Foreign name "Colima."
³ Foreign name "White Wings."
⁴ Foreign name "Jose."
⁵ Formerly "Bruno."
⁶ Formerly "Messenger."
⁷ Foreign name "Triton."
⁸ Formerly "Amethyst."
⁹ Formerly "Hating."
¹⁰ Formerly "Five Roses" and "Edith."
¹¹ Formerly "Lincoln" and "Greyhound."
¹² Foreign name "Queen Alexandra."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F. Names of Motor Vessels in Italics—Les noms des vaisseaux à moteurs sont en Italiques.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. C.V. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
96916	Quebec	Kingston	1867	Bedford Mills, Ont.	110 2	23 4	5 1	108	60	45 sc.	Percy Johnston, et al., Tp. of Gloucester, Ont.
122405	Quebec	Montreal	1865	Sorel, Que.	311 0	61 1	12 0	3,498	2,013	120 pa.	Canada Steamship Lines, Ltd., Montreal, Que.
122478	Quebec	Ottawa	1907	Carleton Place, Ont.	30 6	7 1	3 0	5	4	14 sc.	Temiskaming Navigation Co., Ltd., Mattawa, Ont.
107619	Queen	Ottawa	1899	North Bay, Ont.	50 2	9 3	4 8	15	12	8 sc.	R. Farris, et al., North Bay, Ont.
92335	Queen	Quebec	1885	Lévis, Que.	117 0	31 6	14 8	357	249	75 sc.	The Quebec & Lévis, Ferry Co., Ltd., Quebec, Que.
134285	Queen	Victoria	1914	New Westminster, B.C.	84 7	20 6	8 0	115	68	25 sc.	Queen City Trading & Transportation Co., Ltd., Victoria, B.C.
103482	Queen City	Vancouver	1891	Vancouver, B.C.	116 0	27 0	17 3	357	181	25 sc.	Kinsley Navigation Co., Ltd., Vancouver, B.C.
126415	Queen of Tongagami	Toronto	1909	Tongagami, Ont.	71 5	12 6	6 3	30	25	12 sc.	Tongagami Steamboat & Hotel Co., Ltd., Tongagami, Ont.
90567	Queen of the Isles	Toronto	1885	Orillia, Ont.	72 0	11 0	4 0	40	27	11 sc.	Muskoka Leather Co., Ltd., Toronto, Ont.
126245	Quesnel	Victoria	1909	Quesnel, B.C.	70 0	16 2	3 7	130.	77	3 pa.	Telephore Marion, Quesnel, B.C.
138771	Quanaul	Victoria	1909	Friday Harbour, Wash. U.S.A.	41 0	12 0	3 0	15	7	2 sc.	The Stratus Fish Co., Ltd., Nanaimo, B.C.
134413	Quanita	Vancouver	1914	Vancouver, B.C.	50 9	13 0	6 7	30	20	4 sc.	Annie B. Babington, Prince Rupert, B.C.
126337	Quantal	Vancouver	1909	Port Nelson, B.C.	40 5	11 8	4 7	16	11	2 sc.	H. Bell Irving & Co., Ltd., Vancouver, B.C.
111665	Quanté Queen	Kingston	1902	Valleyfield, Que.	99 5	29 9	4 7	203	143	13 sc.	Capital Park Co., Ltd., Kettle Island, Que.
140677	R. H.	New Westminster	1918	Elburne, B.C.	19 0	5 6	3 0	1	1	1 sc.	Rasmus Hansen, Elburne, B.C.
130488	R. H. A.	New Westminster	1911	Vancouver, B.C.	49 6	12 0	3 9	19	11	35 sc.	St. Mango Canning Co., Ltd., New Westminster, B.C.
141204	R. S.	Vancouver	1918	Vancouver, B.C.	41 4	12 2	5 1	19	13	2 sc.	Renzo Suzzimoto, Vancouver, B.C.
138293	R. S. J. No. 1	Vancouver	1916	Vancouver, B.C.	31 0	8 0	3 7	8	5	1 sc.	Robt. S. Jackson, Vancouver, B.C.
100125	R. S. C. Brittain	Wallaceburg	1877	Toledo, O., U.S.A.	142 2	24 0	8 0	213	149	13 sc.	Wm. Scott, Wallaceburg, Ont.
90544	R. G. A. Weaver	Toronto	1886	Buffalo, N.Y., U.S.A.	61 6	17 2	9 0	81	30	33 sc.	The Montreal Transportation Co., Ltd., Montreal, Que.
126230	R. G. Shaw	Sarnia	1912	Toronto, Ont.	40 0	12 0	6 2	28	16	4 sc.	Cleveland-Sarnia Saw Mills Co., Ltd., Sarnia, Ont.
111971	R. H. Dobson	Southampton	1902	Goderich, Ont.	75 0	11 7	6 9	44	39	14 sc.	Dobson & McLeod, Southampton, Ont.
111553	R. J. Morrell	Owen Sound	1901	Meaford, Ont.	68 0	13 0	6 0	40	27	13 sc.	Jas. Pilgrim, Meaford, Ont.
126630	R. J. Skinner	Vancouver	1909	Vancouver, B.C.	48 0	11 5	5 4	27	15	22 sc.	The Chief Commissioner of Lands for British Columbia, Victoria, B.C.
110472	R. R. Call	Chatham, N.B.	1904	Chatham, N.B.	53 6	13 0	5 3	23	16	8 sc.	F. J. Allard, Carleton, Que.
130047	R. R. Foster	Ottawa	1912	Ottawa, Ont.	105 4	22 2	6 6	135	82	4 sc.	Rideau Canal Supply Co., Ltd., Ottawa, Ont.
93154	R. Anglin	Bellefleur	1869	Kingston, Ont.	97 3	22 9	5 4	97	52	2 sc.	Rideau Canal Supply Co., Ltd., Ottawa, Ont.
100935	R. Harlan	Ottawa	1892	Kippawa, Que.	103 0	19 7	6 6	65	45	8 sc.	A. Lausden, Ottawa, Ont.
100639	R. Kacey	Port Dover	1903	Buffalo, N.Y., U.S.A.	55 0	14 7	7 6	25	17	4 sc.	C. W. Barwell and P. C. Robinson, J.O., Port Dover, Ont.
128348	Ragus	Halifax	1917	Mulhane Bay, N.S.	72 1	22 3	7 3	73	43	24 sc.	Acadia Sugar Refining Co., Ltd., Halifax, N.S.

SESSIONAL PAPER No. 22

Table with columns for ship name, location, date, length, width, draft, and owner. Includes vessels like Rambo, Kenora, and various steamships.

1 Formerly "Beckville" and "Columbian." 2 Formerly a sailing vessel. 3 Foreign name "Nellie Reid." 4 Formerly "Alaska." 5 Formerly "Isaac Lincoln." 6 Formerly "Shlaberry." 7 Formerly "Lizzie." 8 Foreign name "Dorothy" and "Lizzie." 9 Foreign name "American." 10 Foreign name "Charger." 11 Formerly "Isaac Lincoln."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*American*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. ©Equipped with Wireless—Muni de la T.S.F.—Names of Motor Vessels in *Italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built Cans- truit en	Where Built. Lieu de construction.	Length in feet and 10ths.	Breadth in feet and 10ths.	Depth in feet and 10ths.	Gross Tonnage.	Registered Tonnage.	Tonnage enregistre.	H.P. of Engines and Mode of Propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
132768	Respond	Victoria	1913	Vancouver, B.C.	49.5	14.5	6.0	30	16	9.80	William E. Gardner, Victoria, B.C.	
130612	Restigouche	Ottawa	1906	Kinderdyk, Holland	155.0	33.0	10.2	470	319	16.80	The Minister of Public Works, Ottawa, Ont.	
117159	Restless	New Westminster	1906	New Westminster, B.C.	71.0	17.0	7.0	75	53	4.80	The Minister of Marine and Fisheries, Ottawa, Ont.	
117888	Reta	Ottawa	1902	Britannia, Ont.	35.5	8.6	2.6	7	1	3.80	Charles W. S. Dunn, Grimsby, Ont.	
107589	Retta	Lindsay	1899	Lindsay, Ont.	29.0	5.2	2.0	2	1	3.80	Joseph Brown, Lindsay, Ont.	
122404	Rex	Charlton, N.B.	1907	Charlton, N.B.	77.0	19.4	5.5	60	38	10.00	John W. Brankley, Charlton, N.B.	
122404	Rex	Vancouver	1907	Vancouver, B.C.	58.0	10.9	4.0	14	9	5.80	Geo. A. Graham, Denman Island, B.C.	
122925	Rex	Charlottetown, N.B.	1908	Rexton, N.B.	61.0	14.0	4.0	35	22	4.00	John M. Burns, M. O., Rexton, N.B.	
130457	Rhinogold	Vancouver	1911	Vancouver, B.C.	33.0	8.5	4.6	10	7	12.80	Ivan G. Campbell, Vancouver, B.C.	
13307	Rhoda	Vancouver	1908	Tanook, N.S.	37.8	11.1	5.6	11	10	8.80	James B. Campbell, Maindrou, Cape Breton, N.S.	
13329	Richard W.	Montreal	1892	Milwaukee, Wis., U.S.A.	236.1	36.3	19.3	1,093	905	13.80	Richard W. Limited, Quebec, Que.	
133570	Rienchen	Richibouctou	1891	Sorel, Que.	95.3	22.5	6.9	194	118	13.80	J. Le Laehaire, Sorel, Que.	
117023	Richardmond	Richibouctou	1915	Peter's Mills, N.B.	30.3	11.3	5.0	12	10	1.80	M. Boudreau, Inkerman, N.B.	
126931	Ride A Head	Port Dover	1905	Sydney, N.S.	12.5	18.0	8.3	162	165	20.80	The Richmond Steamship Co., Ltd., Sydney, N.S.	
96720	Rideau King	Kingston	1909	Long Point, Ont.	37.0	10.0	3.0	6	4	5.80	Harry W. Ansley, Port Dover, Ont.	
117342	Rifle	New Westminster	1893	Kingston, Ont.	107.0	27.3	6.0	295	197	25.80	The Rideau Lakes Navigation Co., Ltd., Kingston, Ont.	
117342	Rifle	New Westminster	1900	Kingston, Ont.	108.0	27.3	6.9	351	195	25.80	The Rideau Lakes Navigation Co., Ltd., Kingston, Ont.	
130591	Ripit Away	Vancouver	1902	Kingstons, B.C.	45.0	11.0	3.5	37	23	2.00	The Lamb-Watson Lumber Co., Ltd., Arrowhead, B.C.	
132729	Ripit Rip	Vancouver	1912	Tanook, N.S.	40.0	10.3	4.4	14	10	1.80	William J. Martell, Petit de Grat, N.S.	
97118	Ripple	Callingswood	1892	Vancouver, B.C.	32.0	8.0	3.7	7	4	1.80	Wm. F. Wright, M. O., Vancouver, B.C.	
96896	Rising Sun	Halifax	1891	Callingswood, Ont.	59.7	15.4	6.6	32	30	11.80	Peter Chesterfield, Richard's Landing, Ont.	
134038	Risk	Amherst	1901	St. Joseph, Mich., U.S.A.	59.7	15.4	6.6	32	30	11.80	Richard Christian, Upper Prospect, N.S.	
134038	Rita H.	Vancouver	1901	Cherwell, N.S.	31.0	12.0	6.0	11	10	1.80	Leontine LeBlanc, Arichat, N.S.	
96804	Rival	Montreal	1900	Malone, Bk., N.S.	39.6	10.9	5.3	11	10	1.80	Andrew Himmelmann, LaHave, N.S.	
96894	River Belle	Ottawa	1873	St. Catharines, Que.	120.0	23.0	8.4	125	36	60.00	Sineamus McNaughton Line Ltd., Montreal, Que.	
137972	River Side I	Montreal	1891	Charlevoix, Que.	40.0	8.5	4.5	5	4	1.80	Daniel Johnson, Combermere, Ont.	
137973	River Side II	Montreal	1915	Charlevoix, Que.	36.8	7.3	2.5	5	4	1.80	Hermesfid Thibault, Sherbrooke, Que.	
117126	River View	Kingston	1910	Wegantic, Que.	26.3	7.0	2.4	4	3	1.80	Hermesfid Thibault, Sherbrooke, Que.	
137898	Riverton	Toronto	1896	Pelican, Ont.	29.4	7.6	2.9	5	3	1.80	F. Shipman, Ivy Lea, Ont.	
121732	Roamer	Vancouver	1895	Vancouver, B.C.	151.0	46.0	23.1	1,423	2,681	196.80	Matthews Steamship Co., Ltd., Toronto, Ont.	
122500	Rob. G. Weidell	Kingston	1907	Trenton, Ont.	65.1	16.0	7.8	45	19	28.80	G. J. Palmer, Vancouver, B.C. Robert Weidell, Trenton, Ont.	

	1900	Peterborough, Ont.	41 0	7 4	3 4	13	10	1 se.	
111555	Rob Roy	Peterborough						Joseph G. Le Vasseur, Peterboro', Ont.	
111915	Rob Roy	Toronto	30 0	7 5	3 0	5	3	Norman Bennet, Orillia, Ont.	
77830	Robbie Burns	Halifax	72 4	25 0	7 0	89	73	The Halifax Dredging Co., Ltd., Halifax, N.S.	
123456	Robert Lagin	Weymouth	36 1	11 2	5 0	14	20	A. P. Tapscott, Montreal, Que.	
133373	Robert C. Hammond	New Westminster	101 0	21 6	4 2	250	155	Fort George Lake & River Transportation Co., Ltd., Fort George, B.C.	
112191	Robert Downey	Chatham, Ont.	58 0	14 5	7 0	37	25	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.	
85920	Robert Dunsmuir	New Westminster, B.C.	105 0	17 5	6 7	152	96	Ocean Falls Co., Ltd., Vancouver, B.C.	
92022	Robert G. Cann	Yarmouth	119 0	21 6	9 4	235	112	Hugh Cann & Son, Ltd., Yarmouth, N.S.	
126648	Robert K. Porter	Port Dover, Ont.	68 6	17 4	6 8	57	39	William F. Kolby, Port Dover, Ont.	
134013	Robert L. Fryer	Port Arthur	29 1	41 5	20 0	2, 033	1, 158	Hanson Transfer and Lighterage Co., Ltd., Fort William, Ont.	
107419	Robert Mackay	Montreal	79 2	17 6	11 9	129	87	Harbour Commissioners of Montreal, Montreal, Que.	
94921	Robert McDonald	Kingston	91 0	19 0	6 4	97	50	Arthur Sudds, M.O., Kingston, Ont.	
131100	Robert R. Rhodes	Montreal	246 3	40 0	18 6	1, 599	957	George Hall Coal Company of Canada, Ltd., Montreal, Que.	
133027	Robichaud	Chatham, N.B.	32 6	10 6	4 6	12	10	Alfred J. Morrison, Bar, Clarend, N.B.	
133294	Robie W.	Halifax	72 6	16 6	7 2	67	51	Harry J. Mathers, Halifax, N.S.	
131154	Robinson	Vancouver	73 5	8 1	3 9	9	6	Horace Williamson, Vancouver, B.C.	
130483	Rock Point	Vancouver, B.C.	73 5	17 6	3 2	76	52	Wes Coast Transport Co., Ltd., Port Alberni, B.C.	
83130	Rocky Mountain	Collingwood	44 6	11 8	6 8	14	16	Races and Amusements Co., Michland, Ont.	
130410	Rock Ferry	Montreal	277 36 8	18 2	1, 454	716	40	Georg Hoff Co., Montreal, Que.	
107573	Rockaway	Montreal	30 6	6 5	2 5	7	9	T. B. DoCue, Fenchon Falls, Ont.	
107579	Rochester	Winnipeg	70 0	15 0	7 8	59	24	Stanislas Transport Co., Ltd., Winnipeg, Man.	
107216	Rockland	Ottawa	70 2	13 8	6 8	75	39	George Charron and Millaire Bray, Gaitmire Point, Que., J.O.	
130222	Roddy S.	Vancouver	71 5	13 8	3 1	58	33	The Northern Fish Co., Ltd., Selkirk, Man.	
137934	Rogan	Kingston	71 5	13 8	3 1	58	33	Samuel Beaudet, Snyward, B.C.	
112348	Rogut	Liverpool	40 0	23 0	3 1	9	5	Queen's Transfer Co., Ltd., Belleville, Ont.	
112348	Rona	Halifax	41 2	19 3	7 2	70	42	The Minister of Public Works, Ottawa, Ont.	
131095	Ronald B.	Yarmouth	44 2	15 2	6 0	16	15	Arthur Payson, Yarmouth, N.S.	
130946	Ronald C.	Vancouver	68 7	18 2	6 4	45	40	Mrs. Lucy Herrick, et al., Shelburne, N.S.	
130283	Rosalie J.	Montreal	34 2	9 1	3 7	15	3	Clarence Tamm, Black Rocks, N.S.	
130283	Rosanna D. Billet	Toronto	61 4	15 7	8 4	74	38	Edward Lloyd, Port Moody, B.C.	
130272	Rosanna F.	Winnipeg	47 0	9 7	4 4	8	15	The Simpsons-McNaughton Line, Ltd., Montreal, Que.	
138909	Rose City	Vancouver	163 5	40 7	9 6	679	462	Norman A. Rule, Winnipeg, Man.	
138905	Rosedale	Hamilton	42 6	13 7	5 1	24	10	Ipsal Tannan, Eastern Point, N.S.	
138560	Rosemary	Halifax	34 6	11 5	0 1	1, 307	977	Lanni Bay Packing Co., Ltd., Vancouver, B.C.	
122122	Rosena	Toronto	66 1	14 6	5 9	41	28	Canada Steamship Lines, Ltd., Montreal, Que.	
111660	Roseway	Montreal	40 0	8 0	3 0	8	6	Charles and George Brister, Halifax, N.S.	
134281	Rossau	Toronto	20 0	5 5	2 6	1	1	Pug Rosemary, Ltd., Halifax, N.S.	
107142	Rossland	Vancouver	71 8	17 7	8 1	42	37	Charles John Henry Amos, Muskoka, Ont.	
138092	Rosspont	Port Arthur, Ont.	39 0	9 0	4 0	9	6	Francois R. F. Brown, Montreal, Que.	
126737	Roswynne	Vancouver, B.C.	183 4	29 1	7 0	884	532	James M. Walker, Yarmouth, N.S.	
130251	Rotandus	Windsor, N.S.	55 2	12 1	6 1	19	8	National Timber Co., Ltd., Vancouver, B.C.	
134277	Rounder	Victoria	35 0	8 0	3 6	9	6	Alfred Mortimer, Mortimer's Point, Muskoka, Ont.	
126528	Rouville	Ottawa	92 0	20 6	6 8	123	69	Canadian Pacific Ry. Co., Montreal, Que.	
			45 5	7 1	2 5	7	5	Frederick Gerow, Rossport, Ont.	
								Charles G. Sixsmith, Vancouver, B.C.	
								SS. "Rotanda" Co., Ltd., Summersville, N.S.	
								Harry Bloom, Alexander Freed and O. F. Browne, South Fort George, B.C.	
								The Minister of Marine and Fisheries, Ottawa, Ont.	
			125 0	26 0	14 2	301	141	Formerly "L. C. Waldo" ³ Formerly "James Swift" ⁴	
								⁵ Formerly "Mermaid" ⁶ Formerly name "Merrimac."	

³Foreign name "Pueblo."
⁴Formerly "James Swift."
⁵Formerly "Mermaid."
⁶Formerly name "Merrimac."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—Abréviations: J.O., joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Noms des Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Build. Construction.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. P. V. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
121918	Rover	Kenora	1907	Kenora, Ont.	30 0	10 5	4 0	11	7	1 sc.	The Armstrong Trading Co., Ltd., Portage la Prairie, Man.
111884	Rover	Peterborough	1905	Peterboro, Ont.	40 0	9 5	3 2	19	12	2 pa.	The Dickson Co., Ltd., Peterboro, Ont.
122518	Rover	Vancouver	1907	Vancouver, B.C.	39 0	11 0	4 8	19	13	1 sc.	Alfred Wallace and Hume B. Babington, J.O., Vancouver, B.C.
130925	Rouley	Montreal	1912	Montreal, Que.	35 0	7 6	4 1	1	5	2 sc.	Alfred Normandin, Outremont, Montreal, Que.
107263	Roy	Toronto	1898	Victoria Harbour, Ont.	31 0	8 1	3 7	6	4	1 sc.	The Georgian Bay Hotel Co., Ltd., Parry Sound, Ont.
138284	Roy B. Dick	Chatham, N. B.	1916	Point Sapin, N. B.	37 2	12 0	5 1	13	10	1 sc.	W. S. Loggie Co., Ltd., Chatham, N. B.
117081	Roy Mac	Toronto	1905	Collingwood, Ont.	44 0	12 0	6 6	23	16	4 sc.	Roger Miller & Sons, Ltd., Toronto, Ont.
116667	Royal	Midland	1906	Honey Harbour, Muskoka, Ont.	31 4	7 6	3 2	5	3	2 sc.	Fred, Earnest, Phileas and George Grisé, Midland, Ont.
134513	Royalite	Sarnia	1916	Collingwood, Ont.	250 0	43 1	16 6	2,052	1,512	45 sc.	Imperial Oil Co., Ltd., Sarnia, Ont.
88562	Ruby	Kingston	1879	Garden Island, Ont.	23 4	5 6	2 5	2	1	4 sc.	Chas. Stewart, Lansdowne, Ont.
116991	Ruby	Ottawa	1903	Barry's Bay, Ont.	41 6	9 3	4 0	11	9	1 sc.	Ontario Corundum Co., Ltd., Toronto, Ont.
116339	Ruby	Ottawa	1903	Hull, Que.	31 0	7 1	3 5	2	1	4 sc.	F. L. Vandusen and A. Milne, J.O., Hull, Que.
111582	Ruby	Peterborough	1893	Peterborough, Ont.	32 0	6 7	3 5	5	5	4 sc.	H. E. Ford, Norwood, Ont.
122148	Ruby L.	Annapolis Royal	1907	Margaretville, N.S.	90 0	20 4	8 6	119	51	16 1/2 sc.	The Margaretville Steamship Co., Ltd., Margaretville, N.S.
126057	Runabout	Owen Sound	1898	U.S.A.	41 0	8 4	5 0	9	2	1 sc.	Fredrick Wright, et al., Wiarion, Ont.
111990	Rupert	Vancouver	1900	Hong Kong	29 5	6 6	3 6	3	2	1 sc.	John R. Reid and James R. Turner, Vancouver, B.C.
103848	Russell	Ottawa	1896	Rockland, Ont.	74 8	17 0	7 0	75	45	37 sc.	W. C. Edwards & Co., Ltd., Rockland, Ont.
100024	Russell Roque	Toronto	1880	Rockland, Ont.	66 0	13 0	6 8	39	27	9 sc.	Joseph Roque, Killarney, Algoma, Ont.
97193	Rustler	Chatham, N. B.	1909	Roaches Point, Ont.	97 4	20 6	4 6	102	64	20 pa.	The Newcastle Steamboat Co., Ltd., Newcastle, N. B.
116451	Rustler	Vancouver	1903	Newcastle, N. B.	32 0	8 4	4 2	13	9	1 sc.	The British Columbia Tie & Timber Co., Ltd., Vancouver, B.C.
100595	Ruth	Quebec	1892	Vancouver, B.C.	40 0	7 3	3 2	9	6	1 sc.	Quebec & Lake St. John Railway Co., Quebec, Que.
107428	Ruth M.	Brookville	1909	Quebec, Que.	41 8	8 8	3 6	9	6	3 sc.	George Marron, Owen Sound, Ont.
138691	Ruth A.	Vancouver	1917	Brookville, Ont.	29 5	8 0	4 0	6	4	1 sc.	George Albonos, Vancouver, B.C.
123479	Ruth May	New Westminster	1914	Steveston, B.C.	28 0	8 4	3 6	7	5	1 sc.	Frank Hall, Crescent, B.C.
137995	S. B.	Arichat	1908	Rockdale, N.S.	30 0	10 0	5 0	11	10	1 sc.	Albion Boucher, Arichat, N.S.
137952	S. S. A.	Richibucto	1914	Vancouver, B.C.	30 5	8 3	3 6	10	7	1 sc.	Bryce Walker Fleck, Vancouver, B.C.
126773	S. and G.	Kingston	1908	St. Charles, N. B.	33 0	11 2	4 3	10	10	3 sc.	Sylvester Gray, St. Charles, N. B.
117127	S. and Y.	Port Dover	1905	Kingston, Ont.	64 8	11 1	4 0	26	16	1 sc.	The Upper Ontario Steamboat Co., Ltd., New Liskeard, Ont.
126614	S. B. Grabell	Port Dover	1912	Port Dover, Ont.	61 8	16 8	6 0	40	27	4 sc.	William F. Kolbe, Port Dover, Ont. and Samuel B. Grabell, Burnaby, Ont.
130685	S. F. Levy	Lunenburg	1911	Little Tancred, N.S.	49 1	10 0	5 6	12	11	3 sc.	Hezekiah Levy, Little Tancred, N.S.
138503	S. S. Low Bush	Montreal	1917	Low Bush, Ont.	69 6	16 1	6 1	118	65	63 sc.	Abitibi Power & Paper Co., Ltd., Montreal, Que.

112177	S. W. Marchmont	Toronto	1915	St. Laurent, Isle of Or-	37 0	16 0	5 5	89	2 sec.	E. Bedford and T. E. Hough, Toronto, Ont.
138090	S. Uezina	Quebec	1915	St. Laurent, Isle of Or-	24 8	6 8	2 8	3	3 sec.	Samuel Vesina, Jr., 7 Notre Dame St., Quebec, Que.
136307	Sable I.	Windsor, N.S.	1914	P. Ansley, G.D.	183 0	28 6	12 2	734	85 sec.	James A. Farquhar, Halifax, N.S.
100487	Sadie	Victoria	1892	Victoria, B.C.	60 5	15 0	8 6	60	13 sec.	Victoria Tug Co., Ltd., Victoria, B.C.
122088	Sadie Elton	Charlottetown	1907	Brae, Lot 9, P. E. I.	30 5	9 8	4 5	9	1 sec.	E. Potrel Co., Ltd., Shediac, N.B.
130680	Sadie Elton	Lunenburg	1911	Vancouver, B.C.	42 0	10 3	5 6	17	11 sec.	Marcus Publisher, Blandford, N.S.
126836	Sadie Elton	Vancouver	1909	Vancouver, B.C.	38 7	10 1	3 9	12	11 sec.	Percy W. Easthope, West Vancouver, B.C.
126826	Sadie J. Rasser	Lunenburg	1910	Lunenburg, N.S.	39 9	10 8	5 7	11	11 sec.	Gilbert Redmond, et al., Liscomb, N.S.
122218	Sagamay	Toronto	1906	Toronto, Ont.	152 0	29 0	9 7	744	420 sec.	The Muskoka Lakes Navigation & Hotel Co., Ltd., Toronto, Ont.
69524	Sagunaw	Sarnia	1873	Port Huron, Mich., U.S.A.	142 0	25 5	10 0	357	180 sec.	Edward A. Booth, Kingston, Ont.
130526	Sagunaw	Montreal	1911	Govan, G.B.	275 3	40 0	14 9	2,777	1,864 sec.	Canada Steamship Lines, Ltd., Montreal, Que.
138779	Sagunaw No. 1	Victoria	1917	Nanaimo, B.C.	34 0	8 2	4 5	10	1 sec.	Henry Vollmers, Nanaimo, B.C.
112062	Saida	St. Catharines	1903	Dunnville, Ont.	32 9	13 6	5 0	11	20 sec.	James Crumb, Dunnville, Ont.
130463	St. Allee	Vancouver	1890	Seattle, Wash., U.S.A.	74 8	16 3	5 5	56	11 sec.	The Pacific Construction Co., Ltd., Vancouver, B.C.
122365	St. Andrew	Chatham, N.B.	1853	Chatham, N.B.	92 5	19 3	6 9	77	52 sec.	J. B. Snowball Co., Ltd., Chatham, N.B.
85691	St. Ann	Vancouver	1906	Vancouver, B.C.	28 6	8 2	3 6	9	1 sec.	George E. Cates, Vancouver, B.C.
61197	Saint Catherine	Quebec	1870	Buffalo, N.Y., U.S.A.	37 0	9 0	4 9	12	10 sec.	F. Maree, Beauport, Que.
112074	St. Charles	Peterborough	1904	Peterborough, Ont.	42 0	10 0	3 7	26	18 sec.	Alfred Macdonald, Peterborough, Ont.
111618	St. Charles	Quebec	1901	Quebec, Que.	46 8	11 0	5 6	23	16 sec.	The Shawinigan Water & Power Co., Montreal, Que.
131105	St. Charles LaChapelle	Montreal	1911	Montreal, Que.	35 5	6 9	3 0	4	2 sec.	Zinophile Therrien, LaChapelle, Que.
107246	St. Clair	Vancouver	1898	New Westminster, B.C.	78 0	17 0	7 0	68	27 sec.	Whalen Pulp & Paper Mills, Ltd., Vancouver, B.C.
80731	St. Croix	Quebec	1880	St. Nicholas, Que.	125 1	26 0	8 6	508	318 sec.	P. Boisvert, Ste. Croix, Que.
131106	Saint Elme	Montreal	1905	LaChapelle, Que.	28 1	5 2	2 5	2	3 sec.	Zinophile Therrien, LaChapelle, Que.
140925	St. Elou	Ottawa	1917	Fronville, Ont.	139 0	23 5	12 5	320	291 sec.	The Minister of the Naval Service, Ottawa, Ont.
122252	St. Etienne	Quebec	1906	Grande Baie, Que.	37 6	15 2	5 6	33	16 sec.	Murray Bay Lumber & Pulp Co., Ltd., St. Etienne de la Mal- bie, Que.
103987	St. George	Chatham, N.B.	1897	Chatham, N.B.	114 6	25 1	12 3	278	175 sec.	J. B. Snowball Co., Ltd., Chatham, N.B.
107790	St. George	Ottawa	1893	Simcoe, Ont.	37 0	15 7	3 6	17	9 sec.	Hon. Sir Geo. H. Perley, Ottawa, Ont.
122350	St. George	Toronto	1903	Toronto, Ont.	35 0	7 0	3 0	5	3 sec.	Robert Maw, Toronto, Ont.
112039	St. Henri	Quebec	1900	St. Henri, Que.	84 6	19 9	7 2	101	7 sec.	Alex. Morin, St. Henri de Tallon, Que., and Chas. Potvin, St. Gedeon, Que., J.O.
134017	St. Ignace	Port Arthur	1889	Detroit, Mich., U.S.A.	220 0	52 3	19 0	1,476	218 sec.	James Whalen, Port Arthur, Ont.
122406	St. Jeanne	Montreal	1905	Sorel, Que.	208 2	58 0	11 1	2,094	1,160 sec.	Canada Steamship Lines, Ltd., Montreal, Que.
103290	St. Isidore	Chatham, N.B.	1895	Chatham, N.B.	96 2	23 1	5 5	112	81 sec.	The Prescott Lumber Co., Ltd., New Mills, N.B.
130537	St. J. Deschailhons	Montreal	1910	St. Jean des Chailhons, Que.	29 5	6 0	2 8	5	2 sec.	Adelphie Lemay, St. Jean des Chailhons, Que.
112907	St. Joe	Port Arthur	1902	Port Arthur, Ont.	70 0	24 5	7 0	118	10 sec.	The Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
122434	St. Joe	Sault Ste. Marie	1907	Marquette, Ont.	57 5	11 4	8 0	39	27 sec.	J. J. Sault, Sault Ste. Marie, Ont.
88572	St. Julien	Kingston	1884	Kingston, Ont.	48 0	8 6	4 0	20	14 sec.	F. D. Davis, Gananoque, Ont.
140926	St. Julien	Ottawa	1917	Toronto, Ont.	130 0	23 5	13 5	320	294 sec.	The Minister of the Naval Service, Ottawa, Ont.
103942	St. Kilda	Chatham, N.B.	1898	Chatham, N.B.	65 2	18 0	4 0	56	35 sec.	J. B. Snowball Co., Ltd., Chatham, N.B.
137909	St. Michel	Toronto	1918	Toronto, Ont.	251 0	43 7	26 0	2,742	1,670 sec.	The Maple Leaf Shipping Co., Ltd., Toronto, Ont.
88326	St. Lawrence	Chatham, N.B.	1886	Quebec, Que.	68 0	15 2	6 7	51	11 sec.	F. M. Barnes, Bathurst, N.B.
71716	St. Lawrence	Halifax	1875	Renfrew, G.B.	169 1	30 0	13 3	107	290 sec.	The Minister of Public Works, Ottawa, Ont.
131414	St. Lawrence II.	Vancouver	1912	Vancouver, B.C.	31 2	8 3	3 6	8	1 sec.	Benjamin F. Symes, New Westminster, B.C.
71,622	St. Louis	Montreal	1875	Buffalo, N.Y., U.S.A.	69 4	15 8	7 2	56	24 sec.	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
112260	St. Louis	Montreal	1900	Kingston, Ont.	80 0	11 0	4 0	35	24 sec.	Peter Cayvanagh, Perth, Ont.
111628	St. Louis	Quebec	1901	Grandes Piles, Que.	43 0	11 2	4 5	17	11 sec.	Octave Neault, Grandes Piles, Que.
80730	St. Louis	Quebec	1880	St. Louis, Lotbiniere, Que.	127 2	25 0	7 4	428	36 sec.	Pierre McLean, La Prairie, Que.
112042	St. Louis de Metathochouan	Quebec	1902	Metathochouan, Que.	51 8	12 0	4 5	20	2 sec.	Wm. Price, Quebec, Que.
111483	St. Maurice	Quebec	1900	St. Jacques des Piles, Que.	67 0	16 0	4 7	15	3 sec.	Johnny Guay, M. O., Lévis, Que.

Formerly a sailing vessel.

Foreign name "Elsmore."

Formerly "Isobel."

Formerly "Camilla."

Formerly "Canada."

Formerly "Arizona,"

Foreign name "Blanche."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: A.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; St., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F. Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons-truit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
138106	<i>St. Maurice H.</i>	Montreal	1916	Grandes Piles, Que.	51 0	11 0	3 7	19	13	3 sc.	Jean J. Crede, Grandes Piles, Que.
92411	<i>St. Nicholas</i>	Chatham, N.B.	1888	Chatham, N.B.	75 2	16 6	7 7	62	42	30 sc.	J. B. Snowball Co., Ltd., Chatham, N.B.
71641	<i>St. Paul</i>	Montreal	1875	Montreal, Que.	65 5	15 0	8 0	45	25	40 sc.	The Minister of Public Works, Ottawa, Ont.
71623	<i>St. Peter</i>	Montreal	1875	Buffalo, N.Y., U.S.A.	65 6	16 1	8 6	66	41	137 sc.	Harbour Commissioners, Montreal, Que.
92342	<i>St. Roch</i>	Quebec	1887	Quebec, Que.	41 2	9 6	4 6	18	8	15 sc.	Canadian Bank of Commerce, H.O., Toronto, Ont.
100629	<i>St. Williams</i>	Port Dover	1908	St. Williams, Ont.	26 0	9 8	3 0	11	8	14 sc.	Charles C. Bates, St. Williams, Ont.
100862	<i>Ste. Anne</i>	Quebec	1893	Ste. Anne de Clucontant Que.	48 0	11 6	4 0	18	11	12 pt.	E. Guignon, Ste. Anne de Clucontant, Que.
121924	<i>Ste. Anne</i>	Quebec	1905	Ste. Anne, Que.	77 0	22 2	5 4	100	63	9 pt.	Oxsiene Tremblay, M.O., Ste. Anne, Que.
138260	<i>Ste. Rose</i>	Quebec	1916	Ste. Rose de Lima, Que.	83 2	25 0	8 2	118	94	2 sc.	Auguste and Edouard Cote, J. O., Grande Baie, Que.
134114	<i>Selara</i>	New Westminster	1913	Ewen Cannery, B.C.	42 0	9 8	4 5	14	10	1 sc.	Soyuzenski Sato, Ewen Cannery, B.C.
130710	<i>Sel Lal</i>	Vancouver	1911	Steveston, B.C.	44 0	13 0	5 9	26	17	1 sc.	George F. Alter, Vancouver, B.C.
133973	<i>Salmon Chief</i>	New Westminster	1913	New Westminster, B.C.	35 6	10 0	3 2	9	6	1 sc.	Martin Monk, M.O., New Westminster, B.C.
122196	<i>Salmon King</i>	New Westminster	1904	New Westminster, B.C.	28 8	8 6	3 2	7	4	1 sc.	Martin Monk, M.O., New Westminster, B.C.
134117	<i>Salmon Prince</i>	New Westminster	1909	Steveston, B.C.	36 0	7 8	3 1	6	4	1 sc.	Martin Monk, M.O., New Westminster, B.C.
90821	<i>Salvor</i>	Halifax	1887	Port Medway, N.S.	51 0	21 0	6 5	45	35	25 sc.	The McNab Resort Co., Ltd., McNabs Island, N.S.
62279	<i>Salvor</i> ©	Victoria	1869	Govan, C.B.	215 6	27 7	20 7	988	621	4 sc.	John P. Davies, Montreal, Que.
122554	<i>Sau. Brisbin</i>	Collingwood	1909	Collingwood, Ont.	47 5	11 0	4 5	26	7	4 sc.	George R. Bancroft, The Pas, Man.
134463	<i>Sambro</i>	Halifax	1915	Halifax, N.S.	55 5	14 7	7 0	45	29	4 sc.	The Halifax Graving Dock Co., Ltd., Halifax, N.S.
138158	<i>Sambua</i>	Vancouver	1916	Port Moody, B.C.	30 6	8 5	3 2	5	3	1 sc.	William Pope, Vancouver, B.C.
116259	<i>Sampson</i>	Toronto	1903	Pesserton, Ont.	36 0	10 0	3 4	12	5	2 pt.	W. W. Carlier, Pesserton, Ont.
122312	<i>Sanson</i>	Lunenburg	1907	Shelburne, N.S.	83 0	30 5	8 6	111	50	33 sc.	Tug Sampson, Ltd., Halifax, N.S.
134304	<i>Sanson</i>	New Westminster	1914	Port Coquitlam, B.C.	115 6	29 0	6 7	436	227	13 pt.	The Minister of Public Works, Ottawa, Ont.
130649	<i>Sanson</i>	Ottawa	1911	Portage du Fort, Que.	50 0	16 0	4 2	29	18	2 pt.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
111629	<i>Sanson</i>	Montreal	1901	Grandes Piles, Que.	82 3	20 0	5 8	87	41	6 sc.	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
126777	<i>Samuel G.</i>	Richibucto	1911	Richibucto, N.B.	37 5	11 8	5 5	11	10	24 sc.	Andrew Loggie, Richibucto, N.B.
133915	<i>Samuel Le Grand</i>	Chatham, N.B.	1913	Lamack, N.B.	39 0	12 0	5 0	18	14	1 sc.	Samuel G. Robichaud, Lamack, N.B.
107426	<i>Samuel Marshall</i>	Brookville	1888	Grand Haven, Mich., U.S.A.	198 0	33 4	11 6	772	540	72 sc.	Mrs. Moser Goldenberg, Three Rivers, Que. and S. D. Müller, Montreal, Que., J. O.
137945	<i>San Juan</i>	Vancouver	1914	Comox, B.C.	48 0	13 0	4 8	28	19	1 sc.	William Billie, Comox, B.C.
112194	<i>Sand Bird</i>	Chatham, Ont.	1906	Chatham, Ont.	72 0	21 2	4 0	64	43	2 sc.	Wm. A. Hudley, Chatham, Ont.
94623	<i>Sand King</i>	Montreal	1888	Ottawa, Ont.	108 0	23 8	7 2	158	88	40 sc.	Wm. Fraser, Montreal, Que.

SESSIONAL PAPER No. 22

103888	Sandford	1897	Goderich, Ont.	72.4	16.5	7.5	56	38	60 sq.	Standard Chemical Iron & Lumber of Canada, Ltd., Toronto, Ont.
107451	Sandton	1898	Roseberry, B.C.	76.0	16.9	6.2	97	66	191 sq.	Canadian Pacific Railway Co., Montreal, Que.
126781	Santa	1910	Vancouver, B.C.	62.3	12.2	7.6	33	22	5 sq.	The Provincial Secretary for British Columbia, Victoria, B.C.
103218	Sarah Agnes	1890	Carleton Place, N.B.	25.4	6.3	7.2	2	15	5 sq.	J. W. Blankely, Chatham, N.B.
90734	Sarcelle	1890	Douglasstown, N.B.	31.0	11.4	5.4	22	15	10 sq.	The Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
90853	Sarnia	1901	Sarnia, Ont.	66.8	21.0	11.0	83	68	26 sq.	Read Towing & Wrecking Co., Ltd., Sarnia, Ont.
120227	Sarnia City	1895	Sarnia, Ont.	103.0	25.5	12.0	223	68	84 sq.	Canada Steamship Lines, Ltd., Montreal, Que.
134011	Sarnian	1895	Cleveland, O., U.S.A.	331.8	41.5	22.0	2,658	1,710	116 sq.	The Imperial Oil Co., Ltd., Sarnia, Ont.
134515	Sarnotte	1916	Collingwood, Ont.	250.0	43.1	16.6	2,660	1,549	95 sq.	The Imperial Oil Co., Ltd., Sarnia, Ont.
			Marine City, Mich., U.S.A.							
133824	Sarnor	1888	West Bay City, Mich., U.S.A.	227.6	36.0	21.3	1,319	1,152	79 sq.	Fretwick R. Johnson, Port Colborne, Ont.
110254	Sarona	1902	Toronto, Ont.	71.5	10.5	7.5	32	22	4 sq.	Huntsville & Bracebridge Tanning Co., Ltd., Huntsville, Ont.
122061	Sarto	1905	Lachine, Que.	58.5	8.6	8.1	18	11	6 sq.	Jean J. Crete, Grandes Piles, Que.
134310	Saskatoon	1912	Port Frances, Ont.	40.0	11.8	3.2	18	12	2 sq.	Ontario & Minnesota Power Co., Ltd., Port Frances, Ont.
130736	Saskatoon	1911	Sea Island, B.C.	49.5	9.7	6.4	26	17	23 sq.	Hikotaro Tada, Vancouver, B.C.
137557	Satsuna	1915	Vancouver, B.C.	37.0	9.7	4.6	12	8	1 sq.	Howard M. Fraser, New Westminster, B.C.
108069	Saucy Lass	1893	Victoria, B.C.	57.4	19.8	8.2	42	24	2 sq.	Mrs. Minnie Jacobson, Victoria, B.C.
137358	Saatch	1915	Vancouver, B.C.	30.2	8.8	3.5	4	3	1 sq.	Albert E. Mann, Vancouver, B.C.
134355	Saavander	1914	Lameck, N.B.	37.0	10.8	5.8	13	11	1 sq.	Peter B. Savoy, M.O., Lameck, N.B.
134242	Say When	1914	Hamilton, Ont.	38.0	10.0	4.0	12	8	1 sq.	Edwin Leavitt, Belleville, Ont.
135398	Scan Pier	1917	Fancock, N.S.	41.8	10.7	5.6	12	11	7 sq.	Daniel Smith, M.O., Cross Island, N.S.
134270	Schoolcraft	1884	Trenton, Mich., U.S.A.	185.6	31.0	14.2	972	690	80 sq.	Manley Chew, Midland, Ont.
83376	Scandia	1914	Steveston, B.C.	37.6	8.6	3.2	9	6	1 sq.	Matsu Tamaka, Steveston, B.C.
112270	Scania	1884	Pickering, Ont.	27.0	7.8	2.7	4	3	1 sq.	W. W. Sparks, Township of Pickering, Ont.
129150	Scena	1887	Athens, N.Y., U.S.A.	92.9	17.6	8.9	78	53	19 sq.	Abraham Noel, Bonaventure, Que.
107483	Scenora	1891	Strathcona, Alta.	120.0	22.0	4.0	114	72	4 pa.	John Walter, Ltd., Edmonton, Alta.
22423	Scotch Lassie	1894	Landsay, Ont.	25.3	5.0	2.0	2	1	2 sq.	Jas. C. Appleby, Landsay, Ont.
109788	Scotcliman	1904	Carleton Place, Ont.	50.0	11.2	5.6	21	14	1 sq.	Abithi Power & Paper Co., Ltd., Montreal, Que.
111805	Scotia	1907	Malone Bay, N.S.	138.8	26.8	9.6	376	268	52 sq.	Halifax & Casco Steamship Co., Ltd., Halifax, N.S.
107829	Scotia	1901	Walker-on-Tyne, G.B.	251.0	46.2	16.5	1,611	658	245 sq.	The Minister of Railways and Canals, Ottawa, Ont.
133679	Scotville	1899	Athin Lake, B.C.	80.0	19.0	3.5	211	135	4 pa.	British Yukon Navigation Co., Ltd., Vancouver, B.C.
129099	Scotsburn	1914	Dartmouth, N.S.	68.7	18.0	6.9	52	35	4 sq.	The Imperial Oil Co., Ltd., Sarnia, Ont.
116114	Scotsman	1910	Malbone Bay, N.S.	116.8	22.2	9.9	224	149	32 sq.	The Halifax & Glace Bay Steamship Co., Ltd., Halifax, N.S.
116331	Scotsman	1903	Hull, G.B.	98.0	19.0	9.7	141	12	51 sq.	The Scotsman Company, Ltd., Halifax, N.S.
130692	Scout	1903	Ottawa, Ont.	108.0	23.6	9.0	265	114	16 sq.	The Scotsman Company, Ltd., Halifax, N.S.
112396	Scout	1900	Cardinal, Ont.	35.0	8.1	3.2	13	9	1 sq.	Donald Burgess, South Vancouver, B.C.
107755	Scout	1900	Murray Harbour, P.E.I.	92.0	25.6	9.2	176	12	12 sq.	The Minister of Marine and Fisheries, Ottawa, Ont.
116544	Scout	1903	Kingston, Ont.	37.0	9.8	5.0	9	4	1 sq.	Charles Spruill, Pictou Landing, N.S.
129080	Scout	1908	Harrison River, B.C.	35.0	22.8	4.9	178	112	17 pa.	The Rat Portage Lumber Co., Ltd., St. Boniface, Man.
116654	Scout	1910	Port Perry, Ont.	39.0	6.9	3.1	5	3	3 sq.	William Morris, Toronto, Ont.
116654	Scout	1910	Port Perry, Ont.	39.0	7.2	3.4	6	4	1 sq.	John Bowerman, Port Perry, Ont.
116654	Scout	1910	Richibucto, N.B.	32.8	10.0	5.6	11	10	7 sq.	James Leacock, Richibucto, N.B.
130704	Sea Bee	1911	Vancouver, B.C.	34.4	9.4	6.0	13	9	14 sq.	Peter D. MacSwain, New Westminster, B.C.
103207	Sea Bird	1895	Liverpool, B.C.	67.5	16.6	6.8	41	28	13 sq.	George M. Fraser, Edwardsville, N.S.
134428	Sea Deer	1911	Vancouver, B.C.	35.0	7.7	3.4	11	8	1 sq.	Harry D. Irvine, Seehol, B.C.
121739	Sea Foam	1906	Vancouver, B.C.	41.6	10.5	5.2	17	12	21 sq.	Dednace Packing Co., Ltd., Vancouver, B.C.
100941	Sea Gull	1893	Port Severn, Ont.	32.0	8.9	4.0	9	6	1 sq.	D. Morneau, Port Severn, Ont.
116943	Sea Gull	1900	Detroit, Mich., U.S.A.	23.5	6.0	2.5	2	2	4 sq.	Jacob Hesse, Kenora, Ont.
121818	Sea Gull	1905	Callander, Ont.	23.5	6.0	2.5	2	2	4 sq.	Armstrong Towing Co., Ltd., Cache Bay, Ont.
107458	Sea King	1898	Vancouver, B.C.	52.6	18.7	6.4	150	73	29 sq.	Zachariah Simpson, Vancouver, B.C.
90874	Sea Lion	1892	Goderich, Ont.	58.0	13.6	5.2	3	17	20 sq.	Dominion Fish Co., Ltd., Winnipeg, Man.
106158	Sea Lion	1896	Vancouver, B.C.	26.2	7.8	3.9	6	4	2 sq.	C. L. Shaw, et al., Vancouver, B.C.
117116	Sea Lion	1905	Vancouver, B.C.	114.0	22.0	19.5	248	148	52 sq.	Young and Gore Tugboat Co., Ltd., Vancouver, B.C.
122526	Sea Otter	1907	Land, B.C.	33.7	9.5	4.4	13	9	5 sq.	Southern Gate Logging Co., Inc., Vancouver, B.C.

1 Formerly "Danubius." 2 Formerly "Halley's Comet." 3 Formerly "Danubius." 4 Formerly "Halley's Comet." 5 Formerly "Harry Bate." 6 Foreign name "Chilli." 7 Foreign name "Britannic," a recovered wreck. 8 Formerly "Alabama." 9 Formerly a Sailing Vessel.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations.—*Abbrégations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F. Nombres of Motor Vessels in italics—Les noms des vapeurs à moteurs sont en italiques.

Official No. N ^o officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built — Cons- truit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	(Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	HP of Engines and Mode of Propulsion. Puissance des machines en C.V. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
96875	Sea Queen	Godolphin	1892	Godolphin, Ont.	52 0	12 1	4 6	18	12	20 sc.	John Purvis, Gore Bay, Ont.
130446	Sea Race	Vancouver		U.S.A.	33 0	10 3	3 3	11	8	41 sc.	John W. Melnosh, New Westminster, B.C.
138524	Sea Ship	Vancouver	1917	Vancouver, B.C.	43 7	11 4	6 0	10	15	53 sc.	Wilhelm Hanson, Vancouver, B.C.
130460	Sea Ship	Vancouver	1911	Muskegon, Mich., U.S.A.	51 0	15 6	3 8	9	7	13 sc.	George E. Buscombe, Vancouver, B.C.
134026	Sea Trader	Victoria	1913	Chesler, B.C.	51 0	15 8	3 1	10	13	13 sc.	William Louie, Chase, B.C.
112263	Seaborn	Montreal	1898	Palm Beach, Fla., U.S.A.	73 0	17 5	5 0	30	20	3 sc.	Dominion Iron & Wrecking Co., Ltd., Montreal, Que.
122425	Searest	Halifax	1908	Tancook, N.S.	49 3	12 7	5 6	18	12	6 sc.	Walter G. Stevens, Chatham, N.B.
96872	Seagull	Port Arthur	1890	Godolphin, Ont.	53 5	12 3	6 0	31	21	8 sc.	James A. Little, Port Arthur, Ont.
138527	Seal Cove	Vancouver	1916	Owen Sound, Ont.	42 0	10 2	4 6	17	12	3 sc.	James S. Emerson, Vancouver, B.C.
130724	Sadler	Lunenburg	1908	New Westminster, B.C.	40 4	10 5	5 4	12	11	3 sc.	Amos Levy, Cross Island, N.S.
134084	Saton Lake	Victoria	1912	Lalbrook, B.C.	50 3	10 5	3 1	12	8	3 sc.	John Wm. Stewart, Vancouver, B.C.
116305	Scarlar Isle	Charlottetown	1915	Charlottetown, P.E.I.	25 3	7 8	3 0	3	2	1 sc.	Victor L. Goodwill, Charlottetown, P.E.I.
126027	See Fun Oh	Sydney, N.S.	1908	Glace Bay, N.S.	26 3	6 4	2 2	4	4	1 sc.	Charles M. O'Dell, Glace Bay, N.S.
94763	Seaton	Owen Sound	1899	Owen Sound, Ont.	27 0	34 2	13 0	1,111	771	196 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
130659	Seaton	Chatham, N.B.	1911	Port Hawkesbury, N.S.	33 7	13 2	7 0	37	20	4 sc.	A. Loggie, M. O., Dalhousie, N.B.
138661	Selkirk	Barrington Passage	1917	Woods Harbour, N.S.	34 6	8 9	4 4	12	11	3 sc.	Colby A. Nickerson, Woods Harbour, N.S.
107095	Selkirk	Victoria	1895	Victoria, B.C.	95 6	24 0	7 0	142	86	12 sc.	Frank Waterhouse & Company of Canada Ltd., Vancouver, B.C.
107835	Selkirk	Victoria	1901	White Horse, Yukon Territory	67 0	31 0	4 5	777	499	17 hp.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
130808	Selona M.	Lunenburg	1913	Tancook, N.S.	41 2	10 6	5 4	12	11	3 sc.	Albert Mason, Tancook, N.S.
121666	Smilantic	Quebec	1905	Quebec, Que.	40 0	13 3	4 0	9	8	20 sc.	Stanislas Gaudreau, Quebec, Que.
133830	Somarriville	Montreal	1903	Morris Heights, N.Y., U.S.A.	94 3	15 6	7 8	55	29	46 sc.	Alfred E. Matthews, Toronto, Ont.
80902	Senator	Vancouver	1880	Burrard Inlet, B.C.	51 5	12 0	4 5	31	21	9 sc.	Progressive Steamboat Co., Ltd., Vancouver, B.C.
112551	Senator	Derbyshire, Mont.	1887	West Bay City, Mich., U.S.A.	220 0	40 8	16 8	1,216	987	73 sc.	George Hall Coal Company of Canada, Ltd., Montreal, Que.
126272	Senator Hanson	New Westminster	1909	New Westminster, B.C.	112 0	24 0	3 0	230	93	9 hp.	Fraser River Lumber Co., Ltd., Fraser Mills, B.C.
116438	Senara Nabe	St. John, N.B.	1911	St. John, N.B.	38 0	9 3	5 0	17	12	3 sc.	The Minister of Public Works, Ottawa, Ont.
134131	Sentinel	New Westminster	1903	Vancouver, B.C.	37 0	9 8	4 3	14	10	5 sc.	John A. and Thomas Marshall, J.O., Port Albernie, B.C.
136330	Serax	Quebec	1913	St. France, Que.	60 6	15 0	5 9	41	18	15 sc.	Auger & Son, Ltd., Quebec, Que.
126349	Shera	Barrington Passage	1913	Barrington Passage, N.S.	40 0	10 7	5 6	12	11	3 sc.	James E. Stanley, Barrington Passage, N.S.
116545	Shanrock	Kingston, Ont.	1903	Kingston, Ont.	31 8	7 1	3 0	4	3	4 sc.	Robert Johnston, Port Sandfield, Ont.
107497	Shanrock	Quebec	1898	Quebec, Que.	117 3	25 0	9 7	237	161	61 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.

SESSIONAL PAPER No. 22

1215 (6)	Shamrock	Toronto	1903	Kingston, Ont.	34 0	7 4	3 0	6	4	1 sec.	Robert H. Johnston, Port Carling, Ont.
9087	Shamrock	Vancouver, B.C.	1887	Vancouver, B.C.	76 0	19 0	7 0	90	61	19 sec.	Wm. H. Whalen, Vancouver, B.C.
12253	Starzock	Vancouver, B.C.	1907	Vancouver, B.C.	35 7	10 0	4 0	16	14	1 sec.	A. M. Whiteside, Vancouver, B.C.
11616	Shamrock	Victoria, B.C.	1904	Victoria, B.C.	52 0	10 0	4 5	24	14	2 sec.	Mrs. Michael Hare, Victoria, B.C.
122553	Shamrock II.	Kingston	1907	Kingston, Ont.	45 4	9 2	3 9	10	6	4 sec.	Robert Johnson, Port Carling, Ont.
122969	Shanly	Parry Sound, Ont.	1908	Parry Sound, Ont.	53 5	14 5	6 2	50	19	4 sec.	J. F. Sowards, Kingston, Ont.
83199	Shannon	Halifax	1886	Pictou, N.S.	76 9	17 3	8 0	75	51	29 sec.	The Halifax Dredging Co., Ltd., Halifax, N.S.
130474	Shant'Allee	Lunenburg	1908	Tancook, N.S.	42 2	10 3	5 3	11	6	1 sec.	Robert Wright, Blue Rocks, N.S.
138671	Shardans	Prince Rupert	1917	Prince Rupert, B.C.	32 0	7 7	3 8	8	6	1 sec.	Frank F. Davis, Prince Rupert, B.C.
129626	Sheba	Ottawa	1912	Sunderland, G.B.	290 0	40 7	17 8	2,768	1,341	222 sec.	The Minister of Railways and Canals, Ottawa, Ont.
134346	Sheldene	Vancouver	1911	Hong Kong	52 8	12 6	4 4	13	23	2 sec.	William Jennings, Montreal, Que.
134346	Sheldon	Montreal	1910	St. Hilare, Que.	40 6	8 2	7 4	13	9	2 sec.	William Jennings, Montreal, Que.
141115	Shelditch	Vancouver	1916	N. Vancouver, B.C.	31 8	5 8	2 9	6	4	3/8 sec.	John B. Autes, Harbledown Island, B.C.
103890	Shenogue	Pictou, N.S.	1915	Brule, N.S.	54 0	17 6	5 5	34	16	2 sec.	Shenogue Oyster Co., Ltd., Shenouage, N.B.
138885	Sherman	Vancouver	1913	Seattle, Wash., U.S.A.	39 0	12 0	4 5	19	13	1 1/2 sec.	DeLancey Packing Co., Ltd., Vancouver, B.C.
139058	Sherrin	Lunenburg	1912	Tancook, N.S.	47 2	13 0	7 0	23	21	1 1/2 sec.	Aleida Goyette, Arichat, N.S.
130762	Shibley	Kingston	1912	Pictou, Ont.	40 2	12 0	4 4	12	11	1 1/2 sec.	Jacob B. Howell, Bath, Ont.
126472	Shiloh	Halifax	1909	Tancook, N.S.	46 2	12 6	5 9	25	22	2 1/2 sec.	Charles A. Mosher, Canso, N.S.
133732	Shiponag	Chatham, N.B.	1913	Vancouver, B.C.	67 6	14 6	5 8	43	29	4 sec.	The Packers Steamship Co., Ltd., Chatham, N.B.
139093	Shipogan's Bos.	Chatham, N.B.	1912	Shippigan, N.B.	43 0	10 0	4 8	13	10	1 1/2 sec.	W. S. Locke Co., Ltd., Chatham, N.B.
116225	Ships	Windsor, Ont.	1903	Bie, Que.	54 6	15 0	5 9	37	25	11 sec.	Lachance Limitée, Quebec, Que.
90777	Shoo Fly	Windsor, Ont.	1870	Cleveland, O., U.S.A.	41 1	12 1	5 7	25	11	20 sec.	Stephen T. Reeves, Windsor, Ont.
103840	Shoofly	Ottawa	1914	Sundridge, Ont.	35 0	9 6	3 0	10	8	8 sec.	J. A. Stillar, Callender, Ont.
134130	Shoofly	New Westminster	1914	Steveston, B.C.	37 6	8 6	4 2	9	8	1 sec.	Matsu Tanaka, Steveston, B.C.
134432	Shuardie	Vancouver	1915	Gir Harbour, Wash., U.S.A.	48 4	14 1	6 0	31	21	3 1/2 sec.	Western Packers Ltd., Vancouver, B.C.
126330	Shurwap	Vancouver	1888	Astoria, Ore., U.S.A.	46 5	13 3	5 0	33	22	7 1/2 sec.	Thomas Cooper, New Westminster, B.C.
126556	Shurke	Vancouver	1908	Vancouver, B.C.	28 3	8 0	2 7	7	5	7 1/2 sec.	Chas. Nelson, Victoria, B.C.
134276	Siamois	Victoria	1911	Okeamean Landing, B.C.	200 5	40 0	8 0	1,757	991	101 pa.	Canadian Pacific Railway Co., Montreal, Que.
92391	Siesta	Deseronto	1888	Kingston, Ont.	51 0	8 1	3 8	9	7	1 sec.	Clark Stonebaugh, Lion's Head, Ont.
107068	Siesta	Sault Ste. Marie	1882	Bristol, R.I., U.S.A.	98 6	17 0	9 0	99	67	11 sec.	Hon. Wm. H. Bennett, Midland, Ont.
92737	Siesta	Toronto	1888	Toronto, Ont.	31 4	7 2	3 3	3	2	6 sec.	Henry Whitehead, Gravelhurst, Ont.
129079	Siesta	Toronto	1905	Waukegan, Ont.	31 0	7 4	3 4	5	3	5 1/2 sec.	John Chamberlain, Gravelhurst, Ont.
133028	Silver Hill	Chatham, N.B.	1913	Lunenburg, N.B.	44 6	10 7	5 0	16	12	1 1/2 sec.	Richard O'Leary, Richibucto, N.B.
134645	Silver Hill	Victoria, B.C.	1912	Ferros, Wash., U.S.A.	45 6	14 0	5 8	29	16	2 1/2 sec.	Noelka Packing Co., Ltd., Vancouver, B.C.
130867	Silver Hill	Richibucto	1911	Richibucto, N.B.	39 0	13 4	5 6	16	13	5 1/2 sec.	John V. Cursey, Shediac, N.B.
126410	Silver Hill	Lunenburg	1917	Tancook, N.S.	92 4	16 4	8 0	42	24	13 sec.	Dumas Young, Mt. O. Tancook, N.S.
138126	Silverland	Ottawa	1909	Hallowell, Me., U.S.A.	82 4	17 0	6 7	92	53	12 sec.	La Compagnie de Navigation, Ville Marie, Que.
134146	Silverland	New Westminster	1909	Hallowell, Me., U.S.A.	32 4	8 0	3 6	10	7	13 sec.	Earle W. Marchison, Steveston, B.C.
121114	Singa	Montreal	1902	St. Charles, B.C.	92 6	31 8	15 0	197	73	1 1/2 sec.	Montreal Transportation Co., Ltd., Montreal, Que.
135707	Sinbad	Montreal	1882	Carden Island, Ont.	219 0	31 2	17 5	973	530	99 sec.	Franklin E. Hall, Montreal, Que.
138507	Sinbad	Montreal	1918	St. Charles, B.C.	73 0	23 0	10 5	112	54	54 sec.	Th. S. Gagnon, W. Naughton Line, Ltd., Montreal, Que.
130899	Sir Douglas	Chatham, N.B.	1912	St. Charles, N.B.	45 0	11 0	4 3	18	12	17 sec.	Charles Ramsdell, Chatham, N.B.
98924	Sir Hector	Ottawa	1891	Ottawa, Ont.	71 0	15 5	6 3	40	10	17 sec.	Ottawa Transportation Co., Ltd., Ottawa, Ont.
57880	Sir Henry Harless	Halifax	1895	East Cove, G.B.	59 0	18 5	9 3	100	59	50 sec.	Coastal Trading & Consignation Co., Ltd., North Sydney, N.S.
130634	Sir Hugh Allan	Montreal	1911	Larrows-in-Furness, G.B.	130 0	26 6	12 1	354	149	50 sec.	Harbour Commissioners of Montreal, Montreal, Que.
133939	Sir John	Ottawa	1902	Sorel, Que.	81 2	17 3	8 0	94	41	8 sec.	The Minister of Public Works, Ottawa, Ont.
131134	Sir Loner	Quebec	1912	Portland, Que.	59 2	15 4	7 0	48	23	23 sec.	Joseph A. Lemay, Portland, Que.
134012	Siskit	Port Arthur	1879	Buffalo, N.Y., U.S.A.	49 3	10 3	8 0	61	41	17 sec.	The Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
141615	Sissiboo	Weymouth	1913	Little River, N.S.	69 0	16 3	5 9	61	24	17 sec.	The Minister of Fisheries and Dependence, Ottawa, Ont.
122565	Sista	Vancouver	1913	Vancouver, B.C.	52 0	11 3	5 9	41	16	1 1/2 sec.	The Canadian Fishing Co., Ltd., Vancouver, B.C.
122525	Slate	Vancouver	1907	Richford, Wash., U.S.A.	32 0	11 0	3 6	13	9	1 1/2 sec.	Nanaimo Fish & Bait Co., Ltd., Nanaimo, B.C.
129212	Skeena	New Westminster	1908	Richford, Wash., U.S.A.	121 2	26 8	12 0	315	310	5 pa.	Mainland Navigation Co., Ltd., New Westminster, B.C.
133605	Skeena 23.	Victoria	1909	Point Seppin, N.B.	35 3	9 8	5 2	1	1	3 1/2 sec.	H. A. Murdoch, Logansville, N.B.
			1912	Steveston, B.C.	29 0	8 0	3 0	5	3	3 1/2 sec.	Reginald E. Walker, East Sooke, B.C.

1 Formerly "Roy Tan" and "Pacific." 2 Formerly "Alma." 3 Formerly "H-T-35." 4 Formerly a sailing vessel. 5 Foreign name "Hermuda." 6 Formerly "Mannie."

7 Formerly "Dreadnaught." 8 Foreign name "Volga." 9 Formerly "Alma." 10 Formerly "H-T-35."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: I.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; St., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—Nauves de moteurs à moteurs sont en *équipés*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built Constructé	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en cv. et mode de propulsion.	Owner or Managing Owner, and Address. Annuaire ou propriétaire gérant, et adresse.
126746	<i>Skell</i>	Vancouver	1910	Vancouver, B.C.	42 0	11 0	3 0	11	10	11 hp.	Nanaimo Fish & Boat Co., Ltd., Nanaimo, B.C.
130471	<i>SkEP</i>	Lambourg	1908	Lambourg, N.S.	42 0	10 6	3 0	12	11	1 se.	Arthur Mason, Eastern Point, N.S.
134268	<i>Skookam</i>	Victoria	1913	Sumnerland, B.C.	40 2	10 6	3 7	16	13	1 se.	The Okanagan Lake Boat Co., Ltd., Nanaimo, B.C.
122523	<i>Skookam 1</i>	Vancouver	1901	Vancouver, B.C.	68 0	26 1	6 2	129	88	1 se.	Vancouver Dredging & Salvage Co., Ltd., Vancouver, B.C.
181665	<i>Skookam Chic</i>	Vancouver	1906	Vancouver, B.C.	55 6	8 4	3 4	27	22	1 se.	Vancouver Dredging & Salvage Co., Ltd., Vancouver, B.C.
131030	<i>Skookam No. 2</i>	Vancouver	1912	Vancouver, B.C.	79 5	26 0	7 1	217	118	153 hp.	Vancouver Dredging & Salvage Co., Ltd., Vancouver, B.C.
126334	<i>Skwala</i>	Vancouver	1909	Vancouver, B.C.	92 7	19 2	5 0	103	104	119 hp.	The Rat Portage Lumber Co., Ltd., St. Boniface, Man.
130276	<i>Slave River</i>	Winnipeg	1912	Alhambra Landing, Alta.	109 0	22 3	5 0	318	205	5 hp.	The Hudson's Bay Co., London, G.B.
116686	<i>Slippy Jack</i>	Richibucto	1897	Richibucto, N.B.	52 0	11 4	5 0	12	11	2 se.	James Lescaut, Richibucto, N.B.
217680	<i>Slocan</i>	Vancouver	1905	Roseberry, B.C.	157 7	27 5	6 7	605	338	17 hp.	The Canadian Pacific Railway Co., Montreal, Que.
381127	<i>Sloga</i>	New Westminster	1904	Ballard, Wash., U.S.A.	37 0	11 0	3 0	10	7	1 se.	C. L. Packing Co., Ltd., New Westminster, B.C.
126724	<i>Sloth</i>	Peterborough	1909	Hastings, Ont.	40 0	11 5	5 6	17	12	4 se.	The Landolph Macdonald Co., Ltd., Montreal, Que.
138371	<i>Smith</i>	Sarnia	1881	Buffalo, N. Y., U.S.A.	129 0	22 0	10 0	218	115	10 se.	Raid Towing & Wrecking Co., Ltd., Montreal, Que.
121539	<i>Smith Brothers</i>	Victoria	1907	Central Bluffville, N.B.	36 8	9 4	3 5	13	9	6 se.	Luther B. Smith, St. John, N.B.
164110	<i>Smuggler</i>	Vancouver	1905	Nakusp, B.C.	48 0	9 1	5 0	16	10	1 se.	Yale Columbia Lumber Co., Ltd., Nakusp, B.C.
164255	<i>Sod</i>	Vancouver	1900	Vancouver, B.C.	29 5	8 0	2 6	3	2	1 pt.	Anton Klavans, Vancouver, B.C.
133981	<i>Sod</i>	Victoria	1913	Steveston, B.C.	36 0	8 6	3 1	10	7	1 pt.	Charles L. Douglas, Victoria, B.C.
126766	<i>Sogemada</i>	Montreal	1909	Rutherglen, G.B.	75 4	15 6	8 2	64	6	29 se.	The Minister of Public Works, Ottawa, Ont.
125502	<i>Sokim</i>	Victoria	1909	Sechart, B.C.	36 0	8 8	4 4	8	5	3 se.	Arthur Laine, Cowichan Bay, B.C.
48652	<i>Solgar</i>	Toronto	1891	Paisley, G.B.	136 0	20 1	10 7	271	92	60 se.	William W. Near, Toronto, Ont.
122595	<i>Solid Comfort</i>	Port Arthur	1918	Peterborough, Ont.	41 0	11 0	4 2	16	11	1 se.	Edward R. Clarkson, Toronto, Ont.
133700	<i>Somass Queen</i>	Victoria	1912	Port Alberni, B.C.	36 5	9 0	5 5	11	7	1 se.	William A. Stevens and Edward L. Thompson, I.O., Alberni, B.C.
130684	<i>Sombrio Queen</i>	Victoria	1911	Victoria, B.C.	36 0	8 6	4 6	8	4	13 se.	Charles I. Allen, Mary Island, B.C.
126636	<i>Someno</i>	Vancouver	1909	Steveston, B.C.	33 3	7 8	3 9	10	7	14 se.	Alexander Mearns, Vancouver, B.C.
107743	<i>Soneto</i>	Kingston	1910	Kingston, Ont.	46 0	10 0	5 8	14	9	5 se.	J. B. Fudhope, Orillia, Ont.
130548	<i>Songher</i>	Vancouver	1911	Vancouver, B.C.	49 6	14 0	6 0	26	18	14 se.	William S. Holland, Vancouver, B.C.
117111	<i>Sonoma</i>	Sonoma	1905	Vancouver, B.C.	46 5	11 0	4 6	19	13	3 se.	George H. Buck, Vancouver, B.C.
133877	<i>Sonrisa</i>	Vancouver	1913	Vancouver, B.C.	72 9	16 0	6 2	57	39	5 se.	The Corporation of the District of West Vancouver, I.C.
126240	<i>Sooner</i>	Victoria	1909	Vancouver, B.C.	29 3	8 3	3 0	8	4	1 se.	Adison R. Hatell, Victoria, B.C.
126327	<i>Sooner</i>	Vancouver	1908	Vancouver, B.C.	33 7	6 8	3 0	10	7	3 se.	Cyril J. and George Everett, Vancouver, B.C.
134344	<i>Sophann</i>	Vancouver	1915	Vancouver, B.C.	31 0	6 8	3 4	7	5	1 se.	Alfred McKinnell, Vancouver, B.C.
126793	<i>Sorais</i>	New Westminster	1910	Elburne, B.C.	28 5	7 9	2 5	6	4	1 se.	Hector R. Andrews, Elburne, B.C.
111781	<i>Soren</i>	Victoria	1902	Galiano Is., B.C.	22 0	5 3	2 5	2	1	1 se.	J. Calheart, Chemainus, B.C., and R. M. Colvin, Cowichan, B.C.

126119	Soulanges	1909	Notre Dame de Victorie	12622	64	383	224	37 pa.	Emile Seguin, et al., J. O., Hudson, Que.
133865	Vancover	1913	ville, Que.	41 0	3 6	11	7	1 se.	Goro Yamasaki, Eburnes, B.C.
188314	Quebec	1885	Eburne, B.C.	130 3	25 2	349	20	pa.	The Quebec & Lavois Ferry Co., Ltd., Quebec, Que.
85530	South	1884	Lévis, Que.	67 5	4 1	19	23	2 se.	Levi Fraser, Brainsbridge, Ont.
107489	Southwood	1897	Barrie, Ont.	17 5	4 6	2	1	1 se.	E. Roel, Quebec, Que.
1888	Vancover	1897	Quebec, Que.	119 6	25 4	298	148	13 se.	Hugh McMillan, Toronto, Ont.
126221	Soyards	1888	Manitowac, Wis., U.S.A.	33 2	8 0	43	7	5 se.	Peter Byrne, Lulu Island, B.C.
130487	Seva	1911	Steveston, B.C.	36 0	16 0	33	4	2 pa.	R. Booth and P. Shannon, Pembroke, Ont.
107611	Spanish Ranger	1893	Biscatazang, Ont.	56 4	13 9	38	16	8 se.	John B. Smith, et al., Toronto, Ont.
90561	Sparrow	1882	Duchesne Creek, Ont.	30 0	6 6	2	1	1 se.	Edwyn B. Andrews, Barrie, Ont.
92726	Spartan	1887	Toronto, Ont.	30 0	9 0	8	15	2 se.	A. G. R. A. Seymour, Vancouver, B.C.
124170	Sperry II.	1896	Leith, G. B.	115 0	20 6	252	115	58 se.	The Minister of Public Works, Ottawa, Ont.
107420	Sperry	1909	Lachine, Que.	24 5	5 4	2	6	1 se.	Joseph A. Brunet, Montreal, Que.
130531	Sps	1909	Steveston, B.C.	28 5	9 3	40	6	1 se.	Charles O. Brodriek, Crescent, B.C.
106890	Spt	1907	Steveston, B.C.	24 5	9 3	40	6	1 se.	Miramichi Dredging Co. Ltd., Newcastle, N. B.
126228	Splash	1908	Chatham, N. B.	31 0	10 0	18	12	1 pa.	Albert J. Dussan, Kenora, Ont.
103665	Sport	1897	Kenora, Ont.	36 0	8 0	16	12	1 se.	John J. McVadion, Kenora, Ont.
134613	Sprague	1915	Collingswood, Ont.	41 0	11 8	50	12	1 se.	James McVadion, Kenora, Ont.
90770	Spray	1888	Kincardine, Ont.	42 1	12 4	15	10	25 se.	John McRae, Meaford, Ont.
100727	Spray	1893	Montreal, Que.	100 1	17 0	107	60	37 se.	Sinclair-McNaughton Line, Ltd., Montreal, Que.
71199	Spray	1874	Brookville, Ont.	45 0	9 7	42	21	9 se.	D. B. McDonald, Cambridge, Ont.
103445	Spray	1890	Quebec, Que.	49 2	12 2	21	9	36 se.	J. S. Thom, Quebec, Que.
122833	Spray	1907	Vancover, B.C.	81 0	19 0	118	62	291 se.	Victoria Tea Co. Ltd., Victoria, B.C.
42616	Spray	1888	Wilkesport, Ont.	74 0	18 0	47	32	2 se.	James Macfarley, Port Albert, Ont.
127275	Spruce	1906	Seldark, Man.	44 0	13 5	12	5	2 se.	Crossing Lumber Co., Ltd., Minaki, Ont.
103011	Springhill	1893	St. John, N. B.	101 7	23 7	101	189	96 61 se.	Cumbarland Railway & Coal Co., Montreal, Que.
116459	Spruce	1893	Vancover, B.C.	72 0	16 4	67	60	41 se.	The Nainimo Fish & Bait Co. Ltd., Nanaimo, B.C.
80948	Squirrel	1882	Eel River, N. B.	33 2	9 4	13	9	9 se.	Thos. Reid, M. O. Eel River, N. B.
138073	Stadacoma	1892	Philadelphia, Pa., U.S.A.	168 0	30 5	780	520	99 se.	The Minister of the Naval Service, Ottawa, Ont.
130623	Staduan	1912	Shalburne, N.S.	78 6	20 6	118	49	28 se.	Charles T. White & Son Co. Ltd., East Apple River, N.S.
60677	Standard	1890	Vancover, B.C.	81 5	15 3	51	35	6 se.	Porty E. Ritchie, Vancouver, B.C.
116987	Standard	1903	Kenora, Ont.	44 0	10 0	16	11	1 se.	John A. Ellis, Penelon Falls, Ont.
11031	Stanley	1903	Lindsay, Ont.	36 6	6 5	7	5	6 pa.	The Minister of Marine and Fisheries, Ottawa, Ont.
94630	Stanley	1888	Govan, G. B.	207 8	32 0	914	395	200 se.	John H. Stanley, Port Colborne, Ont.
130446	Stanley	1902	Racine, Wis., U.S.A.	16 2	5 2	2	1	21 se.	Philip Gann, Vancouver, B.C.
134422	Stanley B.	1912	Vancover, B.C.	30 7	8 4	15	9	6 se.	R. D. Byss, Spanish River, Ont.
126870	Stanley Rivers	1901	Ontario, Ont.	29 0	10 2	9	6	1 se.	John Dorman, Port Arthur, Ont.
130240	Stanley Foster	1912	Port Stanley, Ont.	77 9	15 6	56	38	6 se.	James J. Lingenau, M. O., Hazel Hill, N.S.
126210	Stanley	1903	Tancook, N.S.	45 8	12 6	18	17	2 se.	George Reed, Portage-du-Port, Que.
100412	Star	1892	Marine Heights, N.Y., U.S.A.	18 1	5 2	1	1	1 se.	A. McCallum, Wallace, N.S.
100699	Star	1895	Trenton, N.S.	31 4	7 6	4	6	1 se.	R. H. Spurring, Vancouver, B.C.
107141	Star	1897	Livered, Wash., U.S.A.	51 3	13 0	11	9	2 se.	Mathias D. Chaceon, Lamek, N. B.
130112	Star of Shippigan	1913	Lambert, N. B.	36 0	10 8	11	11	1 se.	The Quebec Cold Storage Co., Ltd., Leekesport, N.S.
93177	Starling	1888	East Boston, Mass., U.S.	108 9	20 5	139	62	2 se.	Wm. Vane, Spanish Station, Ont.
107111	Stella	1892	Collingswood, Ont.	43 0	3 6	16	11	2 se.	Wm. Vane, Spanish Station, Ont.
116981	Stella	1891	Collingswood, Ont.	43 0	3 6	16	11	2 se.	Wm. Vane, Spanish Station, Ont.
130446	Stella A. K.	1911	Buckingham, Que.	67 8	16 2	61	35	10 se.	The Simpsons & MacNaughton Line, Ltd., Montreal, Quebec.
130452	Stephen C. Hall	1880	Grand Haven, Mich., U.S.A.	161 0	39 0	511	307	58 se.	Great Tron, Wolfe Island, Ont., and R. Laidlaw Lumber Co., Ltd., Toronto, Ont.
130693	Sterling	1911	Vancover, B.C.	34 4	10 6	14	9	24 se.	Reynolds Timber Shipping & Ins. Agency, Ltd., Vancouver, B.C.
130903	Sterling M.	1912	Vancover, B.C.	32 7	9 9	6	4	4 se.	Alexander and Hugh Mann, Vancouver, B.C.
121981	Stevenson	1900	Eagle Harbour, Wash., U.S.A.	53 8	13 5	36	17	61 se.	Quebec City Trading & Transportation Co., Ltd., Victoria, B.C.
131570	Stevenson	1915	Steveston, B.C.	38 0	8 7	14	14	1 se.	Senkfeldt Iron, Steveston, B.C.
128295	Steward D. S.	1917	Tancook, N.S.	32 2	11 3	14	13	1 se.	Stevenson Wharf, M. O., Tancook, N.S.
116653	Stiletto	1897	Victoria Harbour, Ont.	36 3	8 3	11	2	2 se.	F. S. Grise, Mill Pond, Ont.
1	Formerly a sailing vessel.		Victoria Harbour, Ont.	36 3	8 3	11	2	2 se.	Formerly "Ella Alice."
"Columbia"			Formerly "Louisville."						Formerly "Rand."

1 Formerly a sailing vessel. 2 Formerly "Eagle." 3 Formerly "Zara." 4 Formerly "Louisville." 5 Formerly "Ella Alice." 6 Formerly "Rand."

7 Foreign name

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless. Muni de la T.S.F. Names of Motor Vessels in Italics—Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built. Cons- truit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
126036	Stoddart.	Owen Sound.	1909	Manitowaning, Ont.	45 0	12 0	4 0	11	7	2 sc.	Rixon Anslie Stoddart Co., Ltd., Owen Sound, Ont.
111881	Stoney Lake.	Peterborough.	1904	Young's Point, Ont.	86 0	19 0	5 2	156	109	71 sc.	Patrick P. Yonge, Young's Point, Ont.
88683	Storm King.	Chatham, N.B.	1885	Portland, N.B.	83 4	20 2	9 2	108	73	41 sc.	The Minister of Public Works, Ottawa, Ont.
122165	Storm King.	Vancouver.	1906	New Westminster, B.C.	82 3	19 0	9 6	99	67	16 sc.	Gerald F. Payne, Saturna Island, B.C.
133739	Stormer.	Vancouver.	1913	Vancouver, B.C.	55 0	16 3	7 0	54	37	13 sc.	Herman Thorsen, Vancouver, B.C.
126796	Stormway.	St. Catharines.	1909	Port Maitland, Ont.	58 2	14 1	7 4	41	28	6 sc.	Ottawa Contractors, Ltd., Ottawa, Ont.
125979	Stran-que-que.	Toronto.	1905	Hamilton, Ont.	49 5	8 5	3 0	16	11	2 sc.	Mrs. F. E. Lang, Cobalt, Ont.
102304	Stranger.	New Westminster.	1895	New Westminster, B.C.	46 0	10 6	4 8	21	15	1 sc.	M. H. Sinclair, and James W. Logan, New Westminster, B.C.
134298	Strathgortney.	Charlottetown.	1911	Souris, P.E.I.	47 2	10 0	5 2	17	13	2 sc.	John T. Inman and Spruceon Hickox, Bonshaw, P.E.I.
126138	Strathlone.	Halifax.	1909	Wallops Bay, N.S.	91 4	20 2	8 9	135	81	24 sc.	Halifax & Inversess Steamship Co., Ltd., Halifax, N.S.
141130	Streamline.	Vancouver.	1912	Vancouver, B.C.	36 3	7 1	3 3	6	4	2 sc.	Gerald T. Seaton, Vancouver, B.C.
122329	Stroller.	Vancouver.	1907	Vancouver, B.C.	34 8	8 0	3 1	10	7	2 sc.	Henry M. Russell, North Vancouver, B.C.
126555	Strongboat.	Vancouver.	1908	Port Essington, B.C.	23 5	7 1	3 5	10	7	2 sc.	Prince Rupert Hydro-Electric Co., Ltd., Montreal, Que.
135096	Stuart W.	Halifax.	1881	Cleveland, Ohio, U.S.A.	261 8	38 4	19 6	1,707	971	79 sc.	Stuart W. Limited, Quebec, Que.
130588	Sturgeon.	Halifax.	1912	Halifax, N.S.	33 5	9 0	5 3	10	8	4 sc.	William R. Walely, Halifax, N.S.
102430	Submarine.	Victoria.	1899	L'Ardoise, N.S.	42 0	15 0	5 0	19	15	1 sc.	George D. Lewis, Louisburg, N.S.
122507	Sunbeam.	Victoria.	1907	Vancouver, B.C.	41 0	11 3	5 0	23	15	13 sc.	Henry Burdell, Thetis Island, B.C.
111991	Superior.	New Westminster.	1891	New Westminster, B.C.	60 0	12 6	4 8	38	29	3 pa.	The Silen Sand & Gravel Co., Ltd., Vancouver, B.C.
122413	Supery.	Midland.	1901	Leadners, B.C.	57 0	14 0	7 3	44	30	10 sc.	Canadian Robert Dollar Co., Ltd., Vancouver, B.C.
122556	Surety.	Codlingwood.	1904	Midland, Ont.	29 0	8 0	3 0	11	7	3 sc.	The Playfair Preston Co., Ltd., Midland, Ont.
103307	Surprise.	New Westminster.	1896	Meaford, Ont.	39 9	8 7	2 5	6	4	5 sc.	William H. Burkholder, Sault St. Marie, Ont.
111824	Surprise.	Vancouver.	1901	New Westminster, B.C.	42 0	9 0	4 0	29	15	5 sc.	David Stevens and N. Currie, J.O., Vancouver, B.C.
131212	Sushell.	Montreal.	1907	Vancouver, B.C.	75 7	17 4	6 5	75	51	12 sc.	The Packers Steamship Co., Ltd., Vancouver, B.C.
107569	Susia.	Montreal.	1901	Sydney, N.S.	38 0	8 2	4 1	8	6	2 sc.	Mrs. Helen M. Phinney, Montreal, Que.
117037	Susie Kennedy.	Sault Ste. Marie.	1904	Parrsboro, N.S.	37 5	13 5	4 1	27	16	3 sc.	Martin Burton, Barris, Ont.
100274	Susie N.	Windsor, N.S.	1892	Halls Harbour, N.S.	27 5	7 8	2 8	4	3	1 sc.	D. F. Cheney, Ltd., Little River, N.S.
131158	Susie W.	Vancouver.	1912	Halls Harbour, N.S.	46 0	11 4	5 2	29	14	1 sc.	The Reut Portage Lumber Co., Ltd., St. Boniface, Man.
133707	Suzi.	Victoria.	1910	Seattle, Wash., U.S.A.	45 0	11 3	6 2	21	14	1 sc.	Max Fraley, Victoria, B.C.
92753	Swallow.	Quebec.	1899	Hong Kong.	23 5	9 1	4 0	9	6	20 sc.	Hon. Richard Turner, Quebec, Que.
107179	Swan.	Port Arthur.	1889	Quebec, Que.	36 0	8 8	3 3	8	6	1 sc.	Wm. A. Cross, Port Arthur, Ont.
116780	Swan.	Vancouver.	1904	Port Arthur, Ont.	48 0	4 6	2 2	1	1	1 sc.	Ernest Easthope, Vancouver, B.C.
122310	Swan.	Vancouver.	1907	Vancouver, B.C.	46 4	11 8	6 6	30	21	10 sc.	T. A. Kelley, Lumber & Lumber Co., Ltd., Vancouver, B.C.
100722	Swan.	Victoria.	1893	Victoria, B.C.	65 8	13 8	5 4	36	23	8 sc.	Northern B.C. Fishery, Ltd., Vancouver, B.C.
122211	Sweepstake.	Toronto.	1901	Stimcoe, Ont.	37 0	10 0	4 0	28	18	2 pa.	The Ontario Lumber Co., Ltd., Toronto, Ont.

Number	Name	Port of Origin	Tonnage	Length	Breadth	Depth	Speed	Engine	Remarks
116534	6 Sweetheart	Lanenburg, N.S.	44 2	13 6	6 2	15	3 se.	Isaiah Cooper, M.O., Lanenburg, M.S.	
120682	Swell	Vancouver, B.C.	27 0	19 0	9 0	85	4 se.	Victoria Tug Co., Ltd., Victoria, B.C.	
130446	Swift	Papineauville, Que.	70 7	7 5	3 6	4	3 se.	N.A. Foubert and G. F. Foubert, Cumberland, Ont.	
141015	12 Swift Bill	Port Townsend, Wash., U.S.A.	29 1	8 3	4 1	10	7	Harry Bruno, Sechart, B.C.	
121675	Swifts	Vancouver, B.C.	35 0	8 3	3 5	8	1 se.	Mrs. L.M. Ward, North Vancouver, B.C.	
1884	Sybella H.	Chatham, N.B.	80 4	20 1	5 6	71	48	Miramichi Steam Nav. Co., Ltd., Chatham, N.B.	
126772	Sylvestre	Richibucto, N.B.	36 0	12 0	4 6	12	10	James Legoff, Richibucto, N.B.	
100769	Sylvester	Huntsville, Ont.	45 0	11 4	6 0	27	18	W.S. Shaw, Raeburnbridge, Ont.	
130302	Syra	Vancouver, B.C.	30 0	8 5	4 6	8	6	Percy H. Crause, Vancouver, B.C.	
111964	8 Syracuse	Collingwood, Ont.	219 6	42 0	10 4	2, 105	1, 469	Canada Steamship Lines, Ltd., Montreal, Que.	
134310	T. 2	New Westminster, B.C.	30 0	7 5	4 2	8	5	T.J. Trapp & Co., New Westminster, B.C.	
138777	T. H. L.	Victoria, B.C.	37 8	10 7	4 6	12	11 se.	Leslie B. Hampton, et al., Oak Bay, B.C.	
122662	T. M.	Victoria, B.C.	33 4	11 0	3 2	13	9	Taichido Matsuzawa, Steveston, B.C.	
126629	T. R.	Retreat Cove, B.C.	33 0	9 5	4 0	13	9	Thomas R. McKay, Nanaimo, B.C.	
133845	T. & B.	Vancouver, B.C.	40 0	9 8	4 5	11	7	Thomas R. McKay, Nanaimo, B.C.	
97062	T. A. Stewart	Charlottetown, P.E.I.	61 8	15 2	5 5	36	25	H. H. Brown, Charlottetown, P.E.I.	
126838	T. J. Clark	Toronto, Ont.	69 0	20 0	6 0	75	4	Clark Limited, Toronto, Ont.	
112337	9 T. J. Jarmin	U.S.A.	60 0	16 2	8 0	48	19	Jennings & Ross, Ltd., Toronto, Ont.	
1912	Midland, Ont.								
130767	T. J. Waffle	Kingston, Ont.	105 2	22 5	8 2	149	75	James Swift and Co., Ltd., Kingston, Ont.	
100416	T. Osborne	Ottawa, Ont.	52 5	13 5	5 3	25	18	T. Osborne, Hull, Que.	
440653	T. P. Puelian	Montreal, Que.	241 0	41 0	14 4	1, 270	769	Canada Steamship Lines, Ltd., Montreal, Que.	
134116	T. Terashita	Three River, Que.	39 0	8 8	3 8	9	6	Fukuro Terashita, Steveston, B.C.	
77336	97 W. Smith	Chesapeake, N.S.	48 5	17 5	7 5	35	5	Miss Francis Duffett, Douglas Pt., Que.	
111449	Ta-Kit-Esy	Kingston, Ont.	43 5	8 0	4 4	6	4	Madame Elzabe Lafonde, Montreal, Que.	
130001	Ta-Heri	Vancouver, B.C.	28 5	9 8	3 8	6	4	Granville V. Chapoye, Victoria, B.C.	
12185	Tadema	Collingwood, Ont.	40 0	9 0	4 5	9	6	The Tadema Club, Ltd., Toronto, Ont.	
112267	Tadmae	Wilmingon, Del., U.S.A.	248 4	24 7	9 6	1, 701	1, 052	Canada Steamship Lines, Ltd., Montreal, Que.	
134639	Tadhan	New Westminster, B.C.	71 0	18 5	3 0	69	30	Hudson & Bay Co., London, England	
133080	Takachio	Steveston, B.C.	39 6	9 3	3 6	12	8	Isabel N. Nakasu, Steveston, B.C.	
121770	Takara Maru	Oosaka, Japan	53 0	12 0	6 0	30	21	Richard Smith, Vancouver, B.C.	
134567	Takashina	Steveston, B.C.	34 0	9 0	4 7	10	6	Richard Smith, Vancouver, B.C.	
134636	Takushu	Seattle, Wash., U.S.A.	34 0	9 0	4 7	10	6	Stanis N. Athabaska, Sea Island, B.C.	
122946	Takusa	St. Andrews, N.B.	36 0	9 2	3 8	10	6	Stanis N. Athabaska, Sea Island, B.C.	
137641	Talapas	Vancouver, B.C.	40 0	9 0	5 0	13	9	Thomas R. Wheeler, Boston, Mass., U.S.A.	
137947	Talrahite	Vancouver, B.C.	250 0	43 8	22 5	2, 631	1, 394	Chas. K. Walker, Vancouver, B.C.	
122339	Tatsman	Toronto, Ont.	30 1	9 5	4 0	9	4	International Petroleum Co., Ltd., Toronto, Ont.	
130841	Tauentare	Vancouver, B.C.	21 6	9 0	3 4	4	3	Imperial Maritime Board, Ottawa, Ont.	
134847	Tawonki	Vancouver, B.C.	42 6	11 5	4 6	24	16	Wm. G. Breuze, Vancouver, B.C.	
134644	Tawonki	Victoria, B.C.	43 2	13 7	6 6	37	17	Yamokichi Tamura, Vancouver, B.C.	
134052	Tawonki	Seattle, Wash., U.S.A.	59 4	16 1	7 6	57	34	Nookah Packing Co., Ltd., Vancouver, B.C.	
100972	Tawonki	Hampton, N.B.	59 4	16 1	7 6	57	34	Ernest Covey, M. O., Fancock, N.S.	
126765	Tawonki	Montreal, Que.	33 0	7 9	3 2	3	3	The G. & G. Flewelling Mfg. Co., Ltd., Hampton, N.B.	
134280	Tawonki	Victoria, B.C.	38 9	9 0	3 2	5	3	Harvey G. Henderson, Montreal, Que.	
138529	Tawonki	Vancouver, B.C.	30 1	9 5	4 0	9	4	Percy A. Champ, Victoria, B.C.	
124952	Tatar	Bowling, G.B.	40 2	17 3	6 2	173	130	The British Yukon Navigation Co., Ltd., Vancouver, B.C.	
126857	Tarlow	Vancouver, B.C.	51 6	14 3	5 9	42	16	Grant Smith & Co., and McDonald, Ltd., Vancouver, B.C.	
130949	Tasmanian	Lake Demaree, B.C.	54 0	9 4	4 4	21	12	The Canadian Fishing Co., Ltd., Vancouver, B.C.	
138080	Tasmanian	Vancouver, B.C.	51 6	14 3	5 9	42	16	L.A. Bernays, Vancouver, B.C.	
122193	Tatou	New Westminster, B.C.	38 0	8 8	3 2	18	13	The Canadian Fishing Co., Ltd., Vancouver, B.C.	
103061	Tatou	Providence, B.C.	37 0	7 5	3 0	4	4	Harry Fritin, Westham Islands, B.C.	
103061	Tatou	Providence, B.C.	37 0	7 5	3 0	4	4	William Fraser, Little Current, Ont.	
134250	Tatou	Whitby-on-Tees, G.B.	105 0	25 0	10 8	679	441	Mrs. Mabel M. Patterson, Athabaska, Alta.	
95029	Tatou	Victoria, B.C.	166 0	26 0	10 8	679	441	Canadian Pacific Railway Co., Montreal, Que.	
126625	Tatou	Vancouver, B.C.	35 1	9 4	3 3	13	9	Kingcome Navigation Co., Ltd., Vancouver, B.C.	

¹ Formerly "D and G". ² Formerly "Colling". ³ Formerly "San Felice". ⁴ Formerly "Geyser". ⁵ Formerly "Virginia". ⁶ Formerly "Two Brothers". ⁷ Formerly "Belle R". ⁸ Foreign name "Minnie". ⁹ Foreign name "Belle R". ¹⁰ Foreign name "Minnie". ¹¹ Foreign name "Belle R". ¹² Foreign name "Minnie".

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless—Muni de la T.S.F.—Nantes of Motor Vessels in *italics*—Les noms des vaisseaux à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
126416	<i>Tekla</i>	Toronto	1902	New York, N.Y., U.S.A.	102 0	21 0	13 0	88	36	41 sc.	John C. Eaton, Toronto, Ont.
126217	<i>Tekva</i>	Vancouver	1908	Vancouver, B.C.	31 8	7 6	4 0	8	6	14 sc.	Francis J. Ewing, Prince Rupert, B.C.
107384	<i>Temacami</i>	Toronto	1898	Toronto, Ont.	70 5	8 5	6 5	18	12	10 sc.	Thos. J. Muller, et al., Haileybury, Ont.
107385	<i>Temiscaumingue</i>	Ottawa	1898	Temiscaumingue, Que.	133 0	22 5	6 5	295	213	10 sc.	La Compagnie de Navigation, Ville Marie, Que.
96854	<i>Temiska</i>	Sarnia	1884	Cleveland, Ohio, U.S.A.	64 0	8 6	5 4	21	14	5 sc.	The Reid Wrecking Co., Ltd., Sarnia, Ont.
112290	<i>Tempes</i>	Winnipeg	1904	Sollkirk, Man.	83 0	16 0	7 6	21	14	11 sc.	Northern Fish Co., Ltd., Selkirk, Man.
107430	<i>Tempes</i>	Midland	1892	Detroit, Mich., U.S.A.	61 0	12 6	4 4	25	17	13 sc.	Newton K. Wager, Midland, Ont.
87180	<i>Temo</i>	Vancouver	1883	Blackwall, G.B.	70 1	16 3	8 2	71	37	25 sc.	Evans, Coleman & Evans, Ltd., Vancouver, B.C.
111546	<i>Terra Nova</i>	Vancouver	1901	Vancouver, B.C.	68 5	11 7	6 1	47	32	9 sc.	Duncan Rowan, Terra Nova, B.C.
103336	<i>Terrebonne</i>	Montreal	1871	Soled, Que.	156 2	21 1	7 2	636	330	28 hp.	Geo. Dansonau, Grenville, Que.
103981	<i>Tess</i>	Quebec	1896	Ayer's Flat, Que.	32 6	7 6	3 4	5	5	4 sc.	W. E. Johnson, Lake Mégantic, Que.
116168	<i>Tezido</i>	Vancouver	1903	Vananda, B.C.	26 0	8 8	3 2	7	5	3 sc.	George Brister and F. A. Hart, Vancouver, B.C.
121679	<i>Thames</i>	Vancouver	1905	Vancouver, B.C.	41 4	10 5	4 1	20	11	3 sc.	Oxford Bay Timber & Logging Co., Ltd., New Westminster, B.C.
111962	<i>Thelma</i>	Pictou, Ont.	1905	Wellington, Ont.	40 0	9 1	5 7	19	13	10 sc.	Kenneth B. DeMill, Wellington, Ont.
129216	<i>Thelma</i>	Toronto	1906	Toronto, Ont.	24 7	6 2	2 6	3	2	1 sc.	Thos. W. Watkins, Hamilton, Ont.
131161	<i>Thelma C.</i>	Lunenburg	1912	Little Traverse, N.S.	40 6	10 5	6 4	14	13	3 sc.	Layson Dumaine, Fox Point, N.S.
333093	<i>Theone</i>	Chartham, N.B.	1913	Caradict, N.B.	31 0	10 5	6 4	8	6	3 sc.	Honore Durway, Caradict, N.B.
111566	<i>Theresa</i>	Toronto	1909	Rossau Falls, Ont.	49 5	9 7	5 0	26	18	3 sc.	Albert A. Aear, Burks Falls, Ont.
121740	<i>Theresa</i>	Vancouver	1906	Vancouver, B.C.	22 2	6 1	2 6	2	2	1 sc.	George Buscombe, Vancouver, B.C.
115525	<i>Thirtie-Three</i>	Ottawa	1902	North Shields, G.B.	80 0	18 1	8 2	70	33	21 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
78024	<i>Thistle</i>	Collingwood	1881	Collingwood, Ont.	66 0	13 6	7 0	56	25	25 sc.	Norman MacConley and Mrs. R. Nicol, J.O. Erieau, Ont.
107867	<i>Thistle</i>	Dausson	1902	Collingwood, Ont.	102 0	19 8	9 9	225	153	7 hp.	British Yukon Navigation Co., Ltd., Vancouver, B.C.
103844	<i>Thistle</i>	Ottawa	1895	Valleyfield, Que.	31 0	6 6	3 2	2	2	4 sc.	W. E. James, Combermere, Ont.
103890	<i>Thistle</i>	Ottawa	1897	Hull, Que., B.C.	40 0	9 4	3 6	2	2	6 sc.	A. H. Taylor and J. Sutherland, Ottawa, Ont.
106673	<i>Thistle</i>	Vancouver	1892	Vancouver, B.C.	24 0	7 3	3 4	2	2	12 sc.	Charles Reynolds, Broughton Island, B.C.
132454	<i>Thomas B.</i>	Halifax	1885	Brooklyn, N.Y., U.S.A.	130 2	22 6	12 6	199	135	65 sc.	Harry J. Mathers, Halifax, N.S.
131147	<i>Thomas Crosby</i>	Vancouver	1912	Vancouver, B.C.	83 4	15 5	9 0	116	79	191 sc.	The Methodist Church, Inc., Toronto, Ont.
134016	<i>Thomas Fisher</i>	Port Arthur	1914	Fort William, Ont.	62 0	14 7	1 0	23	23	14 sc.	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
126863	<i>Thomas J. Drummond</i>	Sault Ste. Marie	1910	Dumbarton, G.B.	217 8	43 7	22 8	2,201	1,604	215 sc.	The Minister of Railways & Canals, Ottawa, Ont.
107505	<i>Thomas Maitland</i>	Owen Sound	1899	Owen Sound, Ont.	89 9	18 0	8 6	107	73	31 sc.	Rixon Anslin Stoddart Co. Ltd., Owen Sound, Ont.
133755	<i>Thomas Mason</i>	St. John, N.B.	1901	Boston, Mass., U.S.A.	53 1	13 0	5 6	31	21	10 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
133342	<i>Thornfield</i>	Vancouver	1912	Seattle, Wash., U.S.A.	44 0	8 5	3 6	14	10	1 sc.	Merrill Des Brisay, Vancouver, B.C.

SESSIONAL PAPER No. 22

117046	Three Brothers	Barrington Passage	1905	Clark's Harbour, N.S.	32 0	12 1	6 2	13	12	1 se.	Thomas Purley, R. J. Hamish and George Williams, J. O., Liverpool, N.S.
116755	Thyra	Toronto	1887	Poughkeepsie, N.Y.	66 0	11 0	7 1	31	23	8 se.	F. B. Polson, Toronto, Ont.
134429	Iderip	Vancouver	1900	Denair, Wash., U.S.A.	37 0	10 4	4 3	9	6	3 se.	Iunio Hopkins, Vancouver, B.C.
134315	Dig.	Kenora	1909	Kenora, Ont.	39 8	8 0	3 0	10	7	4 se.	Joseph Nemick, Kenora, Ont.
116336	Deger	Ottawa	1896	Sakaport, U.S.A.	34 8	7 6	3 6	3	3	10 se.	Ontario Commodore Co., Ltd., Ottawa, Ont.
122339	Pilbeam	Kingston	1907	Brighton, Ont.	29 8	5 6	3 0	13	9	3 se.	Walter L. Butler, Brighton, Ont.
122535	Tillicum	Vancouver	1906	Port Simpson, B.C.	42 3	8 1	4 0	13	6	6 se.	Ralph Simpson, Arrowhead, B.C.
130286	Killie Battle	St. Catharines	1914	Thorold, Ont.	79 6	18 2	6 7	76	31	6 se.	Canadian Sand & Gravel Co., Ltd., Thorold, Ont.
75582	Tim Doyle	Montreal	1874	Buffalo, N.Y., U.S.A.	40 6	11 8	6 2	15	10	5 se.	Lyon Cohen, Montreal, Que.
117180	Tim Healy	Windsor, Ont.	1894	Cachine, Que.	41 2	12 0	6 8	34	26	6 se.	The Windsor Dredging Co., Ltd., Windsor, Ont.
126799	Tiono	New Westminster	1908	Sandwich, Ont.	52 2	5 3	5 9	9	6	13 se.	T. W. Herrings, Barmaby, B.C.
107413	The Willow	Montreal	1899	New Westminster, B.C.	53 2	5 9	2 5	11	1	1 se.	C. Carsley, F., Montreal, Que.
96909	The Willow	Ottawa	1891	New York, N.Y., U.S.A.	49 9	9 1	4 5	17	11	12 se.	J. D. Deacon and E. A. Dunlop, J.O., Pembroke, Ont.
130949	Titus McLeod	Lunenburg	1906	Amnaburg, N.S.	39 8	11 2	5 2	11	7	1 se.	James Berringer and N. Berringer, West Dover, N.S.
133762	Thapana	Victoria	1910	Victoria, B.C.	36 6	8 6	2 5	11	32	1 se.	Wm. E. Cahels, Victoria, B.C.
122492	Togo	Halifax	1907	Newcastle, N.B.	79 5	19 2	7 8	91	69	9 pa.	Richard Manufacturing Co., Ltd., Campbellton, N.B.
116741	Togo	Sault Ste. Marie	1904	Halifax, N.S.	79 5	19 2	7 8	91	69	32 se.	The Fogu Co., Ltd., Halifax, N.S.
116778	Togo Maru	Vancouver	1905	Masseu, Ont.	41 0	10 4	5 0	15	30	1 se.	Charles J. Clark, Masseu, Ont.
129767	Toller	Kingston	1901	Nervon Island, B.C.	18 7	12 6	17 3	1,036	24	24 se.	George Albanos, Vancouver, B.C.
138697	Tokete	Victoria	1909	Newcastle-on-Tyne, G.B.	255 4	4 2 5	3 2	2	2	85 se.	Canada Steamship Lines, Ltd., Montreal, Que.
134320	Tommy Mathieu	Kenora	1914	Port Frances, Ont.	51 0	11 4	3 0	20	13	2 se.	Francis J. Barrow, Sidney, B.C.
141194	Tomopik	Vancouver	1918	Vancouver, B.C.	12 3	1 7	4 9	17	12	5 se.	Shelvin Clarke Co., Ltd., Fort Frances, Ont.
115781	Tootsie II outie	Vancouver	1904	Vancouver, B.C.	46 0	5 0	1 3	1	23	3 se.	Belmont Surf Inlet Mines, Ltd., Vancouver, B.C.
122162	Topaz	Vancouver	1903	Victoria, B.C.	49 6	13 0	5 8	34	23	5 se.	Geo. E. Cates, Vancouver, B.C.
107166	Topsy	Collingwood	1896	Midland, Ont.	36 0	8 0	4 0	15	10	12 se.	North Coast Towing Co., Ltd., Prince Rupert, B.C.
107412	Toronto	Toronto	1899	Toronto, Ont.	269 4	36 0	13 8	2,779	1,652	263 pa.	J. H. Gropp, et al., J.O., Penetanguishen, Ont.
106858	Torpedo	Toronto	1895	Rosport, Ont.	34 0	8 3	5 0	8	5	6 se.	Canada Steamship Lines, Ltd., Toronto, Ont.
122180	Torpy	Port Arthur	1907	Rosport, Ont.	34 0	10 0	4 0	8	6	6 se.	John Paulmier, Rosport, Ont.
134245	Torsand	Toronto	1889	Manitowoc, Wis., U.S.A.	63 5	15 5	8 0	56	23	9 se.	Toronto Sand & Gravel Co., Ltd., Toronto, Ont.
122540	Tory	Vancouver	1907	Vancouver, B.C.	22 3	7 6	2 0	8	5	2 se.	James R. Jolliffe, Vancouver, B.C.
126339	Totem	Vancouver	1909	Vancouver, B.C.	43 2	12 0	5 9	25	17	23 se.	The Packers Steamship Co., Ltd., Vancouver, B.C.
122443	Tourist	St. John, N.B.	1907	Margaretville, N.S.	37 0	12 4	4 5	15	10	1 se.	Joseph C. Welton, North Kingston, N.S.
107339	Tourist	Shelburne	1900	Yarmouth, N.S.	34 0	7 4	3 6	4	3	4 se.	Jonathan Perry, Shelburne, N.S.
126851	Tourville	Sorel	1911	Sorel, Que.	61 0	15 4	5 5	57	26	20 se.	The Tourville Lumber Mills Co., Ltd., Montreal, Que.
134331	Tracade's Pride	Chartham, N.B.	1914	Tracadie, N.B.	40 0	10 0	5 0	12	11	1 se.	John A. Babin, Tracadie, N.B.
107658	Trader	Victoria	1901	Vancouver, B.C.	101 0	22 6	8 2	114	114	17 se.	Gulf Steamship & Trading Co., Ltd., Victoria, B.C.
126656	Trader S	Midland	1912	Midland, Ont.	71 1	15 2	6 0	96	69	15 se.	W. E. Preston, Ltd., Midland, Ont.
130449	Tranontana	Vancouver	1892	Bristol, R.I., U.S.A.	69 0	16 0	6 0	23	19	1 se.	Kingcome Navigation Co., Ltd., Vancouver, B.C.
116256	Tranquilo	Toronto	1893	New Westminster, B.C.	77 0	11 2	5 5	39	27	5 se.	Electrical Development Co., Toronto, Ont.
100791	Transfer	Victoria	1909	Tacoma, Wash., U.S.A.	122 0	21 5	5 6	264	18	18 pa.	Robledo Canning & Cold Storage Co., Ltd., Vancouver, B.C.
134128	Trapp	Windsor, N.S.	1910	Summersville, N.S.	58 2	5 9	3 5	41	26	3 se.	Packers Steamship Co., Ltd., Vancouver, B.C.
117170	Trask	Port Arthur	1871	Cheboygan, Wis., U.S.A.	140 0	24 0	12 0	458	245	1 se.	Herbert Stairs, Wolfville, N.S.
114930	Traveler	New Westminster	1914	Westham Island, B.C.	31 0	8 8	3 6	7	5	118 se.	Ingh Keeler, Port Arthur, Ont.
126856	Traverser No. 1	Sorel	1911	Sorel, Que.	50 3	26 1	3 3	37	31	1 pa.	Joseph Savall, Sorel, Que.
115272	Trebia	Quebec	1902	Port Glasgow, G.B.	338 7	46 6	25 7	3,586	7,343	303 se.	Steamship Trebia Co., Ltd., Rothesay, N.B.
158266	Trent	Belleville	1916	Clucontimi, Que.	81 8	10 6	6 4	129	78	9 pa.	Joseph Tremblay (Alexis) Ste. Anne de Clucontimi, Que.
106812	Trenl	Victoria	1893	Simcoo, Ont.	36 9	5 0	3 9	20	12	20 pa.	D. Gilmore, Trenton, Ont.
134088	Trillium	Victoria	1911	Vancouver, B.C.	38 3	8 6	4 0	67	8	1 se.	The Okanagan Lake Boat Co., Ltd., Naramata, B.C.
126833	Trillium	Toronto	1910	Toronto, Ont.	150 0	30 0	7 2	673	463	48 pa.	The Toronto Ferry Co., Ltd., Toronto, Ont.
111958	Trim	Vancouver	1909	New Westminster, B.C.	25 9	8 0	2 5	3	3	2 se.	Harry Trim, Westham Island, B.C.
126277	Trolem	Vancouver	1909	New Westminster, B.C.	36 9	8 0	2 5	3	3	3 se.	Arthur A. Nevison, Vancouver, B.C.
138268	Trois Pistoles	Quebec	1911	Bic, Que.	39 8	10 9	5 3	20	11	1 se.	Joseph E. Riou, M.O., Trois Pistoles, Que.

1 Formerly "Wanda." 2 Foreign name "Wanda." 3 Foreign name "Cora." 4 Formerly a sailing vessel. 5 Foreign name "O. Paul." 6 Foreign name "Elizabeth." 7 Formerly "Titania." 8 Formerly a sailing vessel. 9 Foreign name "Cart." 10 Formerly "Active."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abréviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.

© Equipped with Wireless—Muni de la T.S.F.—Noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Cons- truit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
126768	Trois Rivières	Montreal	1869	Sorel, Que.	219 8	32 0	9 6	1,449	652	53 pa.	Canada Steamship Lines, Ltd., Montreal, Que.
138215	Troja	Montreal	1910	Sorel, Que.	251 0	43 5	25 8	2,716	1,653	151 sc.	The Troja Steamship Co., Ltd., Montreal, Que.
88233	Tropic	Brookville	1918	Toronto, Ont.	40 5	8 3	3 4	9	7	7 sc.	H. T. Toffey, Portland, Ont.
126242	Truant	Victoria	1885	Smith's Falls, Ont.	28 4	10 0	4 8	7	4	3 sc.	Walter E. Adams, Victoria, B.C.
133940	Trudeau	Ottawa	1908	Lockport, N.Y., U.S.A.	75 5	17 0	8 0	81	53	8 sc.	The Minister of Public Works, Ottawa, Ont.
121783	Trudel II	Ottawa	1904	Douglas Farm, Quinze Lakes, Que.	40 4	16 7	3 6	15	5	2 pa.	James B. Klock, Mattawa, Ont.
107118	Trusty	Lanenburg	1898	LaHave, N.S.	77 0	17 4	7 8	58	36	110 sc.	The LaHave Steamship Co., Ltd., LaHave, N.S.
100201	Try	Vancouver	1891	Vancouver, B.C.	61 0	15 0	3 0	42	23	10 pa.	E. Burns, Vancouver, B.C.
126208	Tsokona	Vancouver	1908	Vancouver, B.C.	27 5	8 2	4 3	8	5	13 sc.	B. H. Crossett, Prince Rupert, B.C.
30854	Tsushima	Vancouver	1908	Nanaimo, B.C.	37 0	9 5	3 4	9	6	13 sc.	Chiyo Uchida, Vancouver, B.C.
126784	Tsura	New Westminster	1910	Steveston, B.C.	39 0	9 6	4 0	13	9	1 sc.	George Isamura, Steveston, B.C.
138365	Tsurne Maria	Vancouver	1917	Vancouver, B.C.	38 0	9 9	3 5	12	8	1 sc.	Yonekita Hosaki, Vancouver, B.C.
126216	Tuladi	Vancouver	1908	Vancouver, B.C.	49 3	14 3	6 0	37	25	43 sc.	Northern B.C. Fisheries, Ltd., Vancouver, B.C.
125849	Tulalip	Victoria	1905	Seattle, Wash., U.S.A.	33 5	9 0	3 6	12	6	51 sc.	Joseph A. Sayward, Victoria, B.C.
115849	Tuna	Montreal	1902	London, G.B.	152 7	33 3	8 7	124	84	59 sc.	The Minister of the Naval Service, Ottawa, Ont.
129201	Turbinia	Flamilton	1904	Hebburn-on-Tyne, G.B.	250 0	45 2	12 6	1,004	603	500 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
104283	Turret Cape	Montreal	1895	Sunderland, G.B.	253 0	44 0	19 4	1,827	1,197	250 sc.	Cape Steamship Co., Ltd., Halifax, N.S.
106808	Turret Court	Montreal	1896	Sunderland, G.B.	253 0	44 0	19 4	1,879	1,197	250 sc.	Turret Steamship Co., Ltd., Halifax, N.S.
104279	Turret Crown	Vancouver	1895	Sunderland, G.B.	253 0	44 0	19 4	1,827	1,142	250 sc.	Commonwealth Steamship Co., Ltd., Toronto, Ont.
123994	Turtle	Ottawa	1902	Cashe Bay, Ont.	65 0	20 0	3 8	38	33	12 pa.	Geo. Gordon, et al., Pembroke, Ont.
137884	Tusler	Lanenburg	1910	Lanenburg, Wash., U.S.A.	83 2	20 5	9 8	151	67	28 sc.	La Have Steamship Co., Ltd., West LaHave, N.S.
126239	Tussell	Victoria	1899	Olympia, Wash., U.S.A.	45 8	12 8	4 6	19	11	6 sc.	Mrs. Annie C. Gardner, Victoria, B.C.
138695	Tutelsi	Vancouver	1917	Careness, Y.T.	167 9	35 2	3 0	1,041	746	8 pa.	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
118855	Tutelsy	Peterborough	1905	Peterboro', Ont.	35 5	7 5	3 0	9	6	3 sc.	H. Allen, Peterboro', Ont.
103460	Two Brothers	Port Dover	1899	L'Ardoise, N.S.	42 0	13 0	5 1	19	18	1 sc.	Geo. D. Lewis, Louisburg, N.S.
100627	Two Friends	Port Dover	1905	Port Dover, Ont.	52 3	15 0	5 0	23	16	9 sc.	C. W. Barwell and P. C. Robinson, J.O., Port Dover, Ont.
126226	Two Gray	Vancouver	1909	Vancouver, B.C.	38 9	9 4	4 8	15	10	31 sc.	William R. Jones, Vancouver, B.C.
107639	Tyee	Vancouver	1899	New Westminster, B.C.	72 0	14 2	6 5	32	48	10 sc.	S. & S. Transportation & Towing Co., Ltd., Vancouver, B.C.
60459	Tyrian	Halifax	1869	Glasgow, G.B.	217 5	30 2	19 9	1,039	607	105 sc.	The Minister of Public Works, Ottawa, Ont.
107159	Tyrell	Vancouver	1898	Vancouver, B.C.	142 0	30 2	4 8	678	408	17 pa.	British Yukon Navigation Co., Ltd., Vancouver, B.C.
112246	Ula	Vancouver	1902	Vancouver, B.C.	31 8	8 6	3 0	10	7	9 sc.	Arthur Neville Smith, Vancouver, B.C.
90937	Ulah	Sydney, N.S.	1889	Dunbarton, G.B.	49 4	9 0	5 2	14	4	9 sc.	Charles S. Boucher, Sydney Mines, N.S.

SESSIONAL PAPER No. 22

103815	Ullacabula	Belleville	1900	St. Joseph, Mich., U.S.A.	38 0	7 0	3 6	6	4	10 sc.	Chas. W. Turner, Campbellford, Ont.
134023	Uster	Victoria	1891	Muskegon, Mich., U.S.A.	32 5	8 5	3 6	43	5	14 sc.	John A. O'Neil Hayes, Victoria, B.C.
92658	Umbria	Port Dalhousie, Ont.	1889	Port Dalhousie, Ont.	58 0	15 2	6 2	6	29	2 sc.	Fallon Brothers, Cornwall, Ont.
107370	Una	Toronto	1885	Peekskill, N.Y., U.S.A.	46 0	8 8	5 0	24	15	2 sc.	David S. Pratt, Midland, Ont.
133861	Una E. Hart	Halifax	1912	Sambro, N.S., U.S.A.	49 2	14 0	7 0	22	21	1 sc.	M. L. Nicholson and Alex. Cook, Sambro, N.S.
22429	Uragas	Halifax	1908	Sambro, N.S.	35 2	11 4	5 0	11	8	1 sc.	Robert Graham and Mathew Graham, Kagaowang, Ont.
92645	Uncle Jim	Wallaceburg	1886	Wallaceburg, Ont.	50 0	10 5	4 3	11	3	2 sc.	Francis W. Shaw, Vancouver, B.C.
100680	Uncle Tom	Vancouver	1894	Vancouver, B.C.	29 5	7 4	3 3	3	2	1 sc.	Ian Muir, Victoria, B.C.
122546	Undan	Vancouver	1906	Vancouver, B.C.	31 1	10 0	4 9	14	5	3 sc.	Clifford Whynot, M.O., Vogler's Cove, N.S.
122306	Undanted	Lanenburg	1907	Lanenburg, N.S.	38 2	12 7	6 8	15	13	2 sc.	The Mine Centre Lumber Co., Ltd., Fort William, Ont.
103681	Undan	Toronto	1897	Toronto, Ont.	31 0	7 2	3 9	15	6	4 sc.	Packers Steamship Co., Ltd., Vancouver, B.C.
122519	Ucaica	Vancouver	1907	Vancouver, B.C.	35 7	10 5	3 3	15	10	1 sc.	Morden Steamship Co., Ltd., Midland, Ont.
85707	United Lumberman	Midland	1884	Dresden, Ont.	139 2	31 6	11 7	389	239	46 sc.	D. McInross and A. McKimion, J.O., Broughton Island, B.C.
111548	Uno	Vancouver	1901	Vancouver, B.C.	35 2	11 5	4 0	17	11	2 sc.	O. R. Fraser, Edmonton, Alta.
100653	Upas	Kingston	1892	Kingston, Ont.	48 2	10 0	3 4	12	8	6 sc.	Crescent Oyster Co., Ltd., Vancouver, B.C.
126789	Urasimo	Ottawa	1910	Steveston, B.C.	35 3	10 4	4 9	12	11	2 pa.	Henri Carriere, Montebello, Que.
138061	Urgel	Ottawa	1915	Montebello, B.C.	45 2	14 2	7 8	19	12	1 pa.	Richard J. H. Alexander and John L. G. Abbott, Vancouver, B.C., J.O.
126750	Uurlina	Vancouver	1909	Shanghai, China	37 0	13 5	7 0	22	15	1 sc.	George H. Haekert, North Sydney, N.S.
138402	V. E. H.	Sydney	1911	Canso, N.S.	42 7	11 4	4 0	12	10	1 sc.	Victor M. Dafoe, Vancouver, B.C.
130906	V. M. D.	Vancouver	1912	Vancouver, B.C.	40 0	9 4	4 0	15	10	1 sc.	Victor M. Dafoe, Vancouver, B.C.
133881	V. N. & T. Co. No. 1	Vancouver	1913	Vancouver, B.C.	44 6	12 6	5 9	22	15	5 sc.	Northam B. C. Fisheries, Ltd., Vancouver, B.C.
130377	V. S. R.	Peterboro	1907	Chatham, Ont.	20 0	4 8	2 0	11	1	1 sc.	Christopher Rutherford, Peterboro, Ont.
131139	V. de Vin	Ottawa	1912	Fassett, Ont.	38 0	14 3	2 2	10	7	1 sc.	Joseph Leblanc, Fassett, Que.
100639	Vachie	Vancouver	1892	Victoria, B.C.	40 2	10 4	4 0	10	7	2 sc.	Francis W. Walsh, Vancouver, B.C.
107084	Vacuna	Prescott	1896	Bristol, R.I., U.S.A.	75 1	13 5	5 0	32	35	6 sc.	Jno. S. Wilson, Massey, Ont.
103262	Vacuna	St. John, N.B.	1888	Brewer, Me., U.S.A.	35 0	8 5	2 7	10	6	1 sc.	J. W. Conrad, Ste. Croix, N.B.
116578	Valecartier	Port William	1903	Cleveland, O., U.S.A.	36 1 0	48 2	24 0	3,755	2,248	147 sc.	The Sault Shipping Co., Ltd., Sault Ste. Marie, Ont.
126324	V. Valdes	Vancouver	1896	Seattle, Wash., U.S.A.	33 5	11 6	4 2	12	8	1 sc.	Jeremiah Sloanwhite, Terrence Bay, N.S.
111541	Valhalla	Lanenburg	1913	Tancook, N.S.	47 8	12 2	6 0	17	15	1 sc.	Roderick Martin, Vancouver, B.C.
130244	Valmda	Yarmouth	1911	Nelson, B.C.	102 5	20 8	9 3	153	34	37 sc.	Canadian Pacific Railway Co., Montreal, Que.
69295	V. Valleyfield	Montreal	1873	Liverpool, N.S.	95 0	21 5	9 3	117	60	19 sc.	The Bridgetown Steamship Co., Ltd., Bridgetown, N.S.
92775	Vancouver	Vancouver	1901	Quebec, Que.	116 0	23 2	6 5	417	280	12 sc.	The Navy League of Canada, (Ont. Div.), Toronto, Ont.
116907	Vanguard	Parishboro	1888	Vancouver, B.C.	72 0	13 7	5 2	47	32	13 sc.	James T. Paxton, Vancouver, B.C.
130300	Vaguero	Vancouver	1910	Cape D'Or, N.S.	47 2	12 3	6 0	16	11	35 sc.	Robinson Wright & Co., Ltd., Lunenburg, N.S.
133907	Varennes	Sorel	1911	Sorel, Que.	31 8	7 7	4 6	10	7	2 sc.	Wm. H. Dickson, Anyox, B.C.
72967	Varuna	Pictou, Ont.	1880	Wolfe Island, Ont.	85 7	22 4	9 7	187	61	40 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
100927	Varvma	Ottawa	1891	Carleton Place, Ont.	94 4	17 0	5 1	134	85	40 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
134214	Vasa	Prince Rupert	1914	Prince Rupert, B.C.	23 0	5 0	2 4	1	1	2 sc.	Geo. P. Spittal, Ottawa, Ont.
134258	Vaughan	Winnipeg	1914	Selkirk, Man.	82 7	19 3	9 0	134	91	3 sc.	Emily Laclaire, Prince Rupert, B.C.
88578	Vega	Winnipeg	1884	Kingston, Ont.	37 0	6 6	3 5	7	4	20 sc.	The Minister of Public Works, Ottawa, Ont.
126271	V. Valna W	New Westminster	1916	Whitcomb, U.S.A.	39 4	8 8	3 6	11	3	1 sc.	J. K. Macdonald, Toronto, Ont.
138693	V. Verdor	Vancouver	1912	Burton, Wash., U.S.A.	13 7	11 2	5 5	22	16	2 sc.	W. Morrill and Ernest Richards, J.O., New Westminster, B.C.
117147	V. Vetta	Halifax	1914	Mahone Bay, N.S.	30 5	9 0	3 5	5	5	3 sc.	Northern Cedar Logging Co., Ltd., Vancouver, B.C.
107709	Venetia	Toronto	1898	Toronto, Ont.	61 5	11 5	7 6	31	21	6 sc.	Joseph N. Pettipas, Bay of Islands, Nfld.
122163	Venture	Vancouver	1906	Vancouver, B.C.	29 1	9 3	3 4	8	6	3 sc.	David Smith, Toronto, Ont.
129475	Venture	Victoria	1910	Old Kilpatrick, G.B.	180 4	32 1	17 0	1,011	580	171 sc.	Union Steamship Co. of British Columbia, Ltd., Vancouver, B.C.
94832	Venus	St. Andrews	1885	Booth Bay, Me., U.S.A.	59 0	18 4	6 7	42	29	3 sc.	Herbert G. Snell, St. Andrews, N.B.
107449	Vera	Vancouver	1898	Birkenhead, G.B.	31 5	7 3	3 8	6	4	6 sc.	James A. Brown, Port Essington, B.C.
116251	Vera A.	Toronto	1902	Midland, Ont.	35 3	9 0	3 3	11	7	1 sc.	Georgian Bay Lumber Co., Ltd., Wabushshene, Ont.
133075	Vera M.	New Westminster	1911	Steveston, B.C.	39 0	9 6	2 4	13	9	1 sc.	Alexander H. Mathison, New Westminster, B.C.
130686	Vera May	Lanenburg	1911	Tancook, N.S.	46 6	13 4	6 8	24	22	1 sc.	Arthur Boutilier, Halifax, N.S.
126211	Vera S. Fru	Vancouver	1908	Vancouver, B.C.	29 0	10 5	4 8	7	5	1 sc.	Chen Ying, Prince Rupert, B.C.
126311	Vera T.	Quebec	1908	Levis, Que.	47 9	12 4	7 9	36	22	3 sc.	John S. Thom, Quebec, Que.

⁶ Foreign name "William Henry Mack." ⁷ Foreign name "Rona."

⁵ Formerly a sailing vessel.

⁴ A recovered wreck.

³ Formerly "Taranula," ² Turbines, ¹ Formerly "Waldome" and "Gatneau."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless—Muni de la T.S.F.—NAMES of Motor Vessels in *italics*—Les noms des vaisseaux à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built. Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Gross Tonnage. Tonnage brut.	Registered Tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130605	<i>Verada</i>	Victoria	1910	Seattle, Wash., U.S.A.	34 0	11 6	6 6	12	8	3 sc.	Mrs. E. H. A. White, Vancouver, B.C.
122801	Verbona	Kenora	1907	Kenora, Ont.	70 0	16 0	6 0	72	49	13 sc.	Lake of the Woods Milling Co., Ltd., Montreal, Que.
94913	Verbona May	Southampton	1888	Southampton, Ont.	38 0	12 0	4 6	16	11	8 sc.	Richard Gawley, Mars, P.O., Ont.
133955	Vercheres	Sorel	1906	Sorel, Que.	92 8	17 0	6 5	147	53	24 sc.	The Minister of Marine and Fisheries, Ottawa, Ont.
121956	Verda Belle	Port Stanley	1908	Port Stanley, Ont.	55 5	13 6	6 4	31	23	4 sc.	Charles Ross and Ephraim G. Moyser, J.O., Dunnville, Ont.
126387	Vermillion	Quebec	1909	Grandes Piles, Que.	77 5	14 6	3 2	41	23	3 pa.	The St. Maurice Construction Co., Ltd., Montreal, Que.
107423	Vernon Jr.	Brookville	1902	Sumnaur, Que.	70 6	13 6	7 0	46	26	10 sc.	William H. Constock, Brookville, Ont.
103689	Verva	Toronto	1898	Manitowac, Wis., U.S.A.	66 0	15 2	6 9	55	37	3 sc.	John Waldie, Toronto, Ont.
88236	Vesper	Brookville	1887	Brookville, Ont.	30 7	6 2	2 6	2	2	3 sc.	W. J. Gibbard, Napanee, Ont.
111531	Vesper	Vancouver	1900	Vancouver, B.C.	26 0	8 2	3 3	4	3	6 sc.	Frank N. Asman, Vancouver, B.C.
100698	Vespa	Pictou, N.S.	1896	Pictou, N.S.	35 8	8 3	3 9	4	5	1 sc.	J. L. Phillips, Nias Gut, N.S.
116923	Vesta	Victoria	1901	Port Simpson, B.C.	44 0	8 8	5 6	12	7	2 sc.	D. A. Robertson and George Rudge, Port Simpson, B.C.
134189	Veta	St. John, N.B.	1916	Cambridge, N.B.	40 9	10 2	5 0	12	8	4 sc.	H. B. Bridges and R. R. Reid, Cambridge, N.B.
130270	Veve	Ottawa	1908	Sturgeon Falls, Ont.	38 0	12 0	3 3	22	11	1 pa.	George Gordon & Co., Ltd., Cache Bay, Ont.
137947	Viel	Vancouver	1914	Sturgeon Falls, B.C.	33 4	9 5	4 0	12	8	3 sc.	William S. Gardiner, Vancouver, B.C.
96728	Victor	Chatham, N.B.	1889	Chatham, N.B.	71 6	15 8	5 0	44	29	15 pa.	Richards Manufacturing Co., Ltd., Campbellton, N.B.
121789	Victor	Victoria	1906	Vancouver, B.C.	34 0	9 7	4 4	16	10	14 sc.	Albert Jones and Wm. H. Ross, J.O., Skidegate, B.C.
121778	Victor	Winnipeg	1908	Fancock, N.S.	52 0	12 0	4 5	26	18	3 sc.	The Northern Fish Co., Ltd., Selkirk, Man.
130579	Victor S	Langenburg	1902	The Landing, Man.	40 2	10 3	3 6	11	7	2 sc.	Gordon Wamboldt, Indian Harbour, N.S.
137976	Victor T	Montreal	1912	Montreal, Que.	34 5	6 3	2 7	3	3	3 sc.	Henri Truchon, Montreal, Que.
107746	Victoria	Brookville	1902	Kingston, Ont.	72 6	15 5	5 0	58	40	3 sc.	Geo. A. Davis, Smith's Falls, Ont.
111666	Victoria	Montreal	1901	Sorel, Que.	101 7	21 2	6 9	343	183	17 sc.	Onesiphore and Elphage Malette, Rigaud, Que.
124400	Victoria	Ottawa	1889	Toronto, Ont.	100 0	21 0	6 6	181	108	17 sc.	Victoria Navigation Co., Ltd., Ottawa, Ont.
107408	Victoria	Ottawa	1904	Singcoo, Ont.	42 4	16 0	3 6	25	20	20 pa.	Victoria Harbour Lumber Co., Ltd., Toronto, Ont.
103802	Victoria	Pictou, N.S.	1901	Pugwash, N.S.	64 4	17 4	6 6	68	40	5 sc.	Geo. D. Grimmer, St. Andrews, N.B.
112029	Victoria	Quebec	1901	Quebec, Que.	70 2	13 9	5 5	48	32	13 sc.	The Price Brothers & Co., Ltd., Quebec, Que.
116751	Victoria	Toronto	1892	Victoria, B.C.	37 8	10 0	3 9	13	9	2 sc.	Peter Light, Penetanguishene, Ont.
100492	Victoria K	Goderich	1903	Goderich, Ont.	80 0	20 4	8 4	71	31	5 sc.	Andrew J. Bechler, Victoria, B.C.
116365	Victoria K	Victoria	1893	Victoria, B.C.	72 4	15 1	6 8	41	24	14 sc.	Daniel Sullivan, Blind River, Ont.
103917	Victorian	Kenora	1898	Kenora, B.C.	146 5	33 4	4 7	716	455	15 pa.	British Yukon Navigation Co., Ltd., Vancouver, B.C.
116700	Vigil	Kenora	1903	Kenora, Ont.	18 0	5 4	2 6	1	—	3 sc.	Henry de Saras, Whitecourt, Sask., and R. Wolff, Winnipeg, Man., J.O.
117070	Vigilant	Ottawa	1901	Toronto, Ont.	177 0	22 1	13 2	396	243	65 sc.	The Minister of the Naval Service, Ottawa, Ont.
111594	Vigilant	Vancouver	1890	Victoria, B.C.	52 0	12 4	5 0	29	20	8 sc.	Robt. Bailey, Vancouver, B.C.

No.	Name	Port	Year	Tonnage	Length	Breadth	Depth	Speed	Engine	Remarks	
116371	Viking	Port Arthur	1902	44 0	11 4	5 0	15	4	sec.	Thomas Craigie, Rosspost, Ont.	
116372	Viking	St. John, N. B.	1891	73 3	21 1	6 4	128	17	sec.	Robert S. Kerr, Fox River, N. S.	
12897	Ville Marie	Ottawa	1902	35 0	11 5	4 0	32	27	sec.	John Lamson, Ottawa, Ont.	
13025	Vimy	Toronto, Ont.	1900	190 0	23 5	14 3	320	59	sec.	The Minister of the Naval Service, Ottawa, Ont.	
13076	Vimy Ridge	Halifax	1917	57 0	16 5	5 2	52	42	sec.	Tug Mouton, Ltd., Halifax, N. S.	
122313	Vina	Boston, Mass., U. S. A.	1915	36 4	9 0	4 3	16	11	sec.	Mrs. Annette Anderson, North Vancouver, B. C.	
130443	Viper	Vancouver, B. C.	1907	45 7	14 5	5 4	24	16	33	sec.	H. Bell-Pring & Co., Ltd., Vancouver, B. C.
116639	Viper	Hamilton, Ont.	1905	35 0	9 8	3 4	5	4	sec.	Arthur E. Masters, et al., Niagara-on-the-Lake, Ont.	
13379	Viper	Vancouver, B. C.	1903	30 0	8 0	2 6	8	5	sec.	John H. H. Gennardooke, Vancouver, B. C.	
134163	Viper	Gloucester, Mass., U. S. A.	1901	54 7	16 6	7 6	26	18	sec.	Raymond N. D. Entremont, West Pullano, N. S.	
126414	Viper	Hamilton, Ont.	1906	34 0	10 3	5 0	11	7	sec.	Henry Wallace, Mimett, P. O., Muskoka, Ont.	
134299	Viper	Mayno Island, B. C.	1910	42 0	11 2	5 0	11	10	sec.	Thos. Richardson, Stoucharst, N. S.	
135889	Viper	Vancouver, B. C.	1911	37 9	11 4	5 0	14	14	sec.	Wilson Allen, Sydney, N. S.	
130666	Viper	Sambro, N. S.	1909	42 2	10 3	3 3	12	11	sec.	James H. Smith, Sambro, N. S.	
138099	Viper	Ranocook, N. S.	1917	42 2	10 3	3 3	12	11	sec.	James W. Gerow, Rosspost, Ont.	
133671	Viper	Rosspost, Ont.	1917	51 2	16 0	6 4	37	25	sec.	The Minister of Customs, Ottawa, Ont.	
107440	Viper	Dartmouth, N. S.	1913	44 5	11 3	5 4	19	13	20	sec.	F. J. Drake, Kingston, Ont.
118522	Viper	Kingston, Ont.	1899	40 6	7 0	4 6	34	19	4	sec.	James Wilsden, Port Arthur, Ont.
130457	Viper	Owen Sound, Ont.	1901	69 0	15 0	5 6	34	19	4	sec.	Thos. Richardson, Stoucharst, N. S.
133735	Viper	Halifax	1912	58 4	13 1	6 8	26	15	31	sec.	Domion Fisheries, Ltd., Halifax, N. S.
171615	Virginia	Malbone Bay, N. S.	1913	31 7	8 3	3 0	7	7	sec.	Alexander Marshall, Vancouver, B. C.	
122490	Virginia	Vancouver, B. C.	1875	107 0	24 0	10 8	146	89	17 5	sec.	Seacenes-McNaughton Line, Ltd., Montreal, Que.
134073	Virginia	Arlolath	1910	41 0	12 9	7 1	16	16	3	sec.	Elvis V. Landry and Elias M. Boudrot, J. O., Petit de Grat, N. S.
137399	Virginie	Vancouver, B. C.	1913	36 2	8 7	4 0	8	5	1	sec.	John Buchan, Vancouver, B. C.
129627	Virginie	Arrolath	1918	29 0	10 0	5 0	11	11	5	sec.	Jeffery Landry, River Bourgeois, N. S.
134328	Virginie	Vancouver, B. C.	1914	36 2	10 5	5 0	10	11	5	sec.	Western Packers, Ltd., Vancouver, B. C.
118508	Viva	Chatham, N. B.	1893	37 3	10 8	5 3	13	11	1	sec.	Philip Gagnon, Inkerman, Ont.
134292	Vivian G.	Sault Ste. Marie	1907	33 0	8 0	3 6	7	5	1	sec.	John McEwen, Sarnia, Ont.
111992	Vixen	New Westminster	1898	38 2	10 0	5 2	11	10	3	sec.	Maynard Clevehand, Halifax, N. S.
71228	Vixen	Kaslo, B. C.	1886	35 0	7 0	3 0	7	5	2	sec.	Geo. W. Hale, Nelson, B. C.
133857	Vogel	U. S. A.	1886	43 0	13 8	5 0	65	18	35	sec.	Chas. Monek, Coakburn Island, Ont.
122371	Vogel	Vancouver, B. C.	1913	32 3	9 4	4 2	10	7	1	sec.	Thomas J. Cook, Secheff, B. C.
134055	Volar	Vancouver, B. C.	1895	35 5	10 0	4 5	13	9	1	sec.	William M. Sprott, Vancouver, B. C.
134234	Vollunda II.	Victoria, B. C.	1911	32 4	8 4	4 0	7	5	1	sec.	Genoa Bay Lumber Co., Ltd., Genoa Bay, B. C.
103442	Volunteer	Mira Gut, N. S.	1915	52 7	14 1	5 3	33	23	7	sec.	Joseph L. Phillips, Mira Gut, N. S.
117194	Volunteer	Ottawa	1889	35 4	6 6	3 0	3	2	2	sec.	M. P. Davis, Ottawa, Ont.
103553	Voyager	Port Hawkesbury	1903	38 0	12 0	6 3	15	14	3	sec.	Joseph A. Casca, Petit d'Grat, N. S.
107925	Vycaun	Midland	1895	67 6	12 0	4 8	44	30	2	sec.	Edwin S. Pratt, Parry Sound, Ont.
92756	Vycaun	Quebec	1889	72 0	16 0	7 5	77	52	17	sec.	The Brantec Sawmill Co., Ltd., New Westminster, B. C.
130651	W. B.	Dalhousie, N. B.	1889	43 3	11 8	5 5	18	13	35	sec.	The Malton & Gulf Coal Co., Ltd., Malton, N. S.
138157	W. C.	Seattle, Wash., U. S. A.	1911	50 0	13 3	4 8	27	19	2 1	sec.	Wallace Fisheries, Ltd., Vancouver, B. C.
134022	W. C.	Vancouver, B. C.	1916	33 8	9 1	3 8	9	6	1	sec.	Wallace Fisheries, Ltd., Vancouver, B. C.
121678	W. C.	Seattle, Wash., U. S. A.	1912	44 0	13 0	5 2	22	15	3	sec.	Peter Wallace, Vancouver, B. C.
134134	W. H. D.	Whitcomb, Wash., U. S. A.	1905	23 0	4 8	2 2	2	2	2	sec.	W. Lomborg, Vancouver, B. C.
138093	W. B. Morley	Quebec	1913	42 0	12 6	4 0	13	10	1	sec.	Horace Dery, Mississauga, Que.
138093	W. B. Morley	Marine City, Mich., U. S. A.	1892	248 0	42 2	23 0	1,913	1,087	107	sec.	Halacine Transportation and Coal Co., Ltd., Montreal, Que.
116663	W. B. Russel	Midland, Ont.	1906	42 0	11 5	4 5	22	8	6	sec.	The York Construction Co., Ltd., Toronto, Ont.
130775	W. C. Franz	Toronto, Ont.	1914	346 0	48 0	21 1	3,429	2,030	169	sec.	Algoma Central & Hudson Bay Railway Co., Sault Ste. Marie, Ont.
117036	W. D. Brock	Sault Ste. Marie	1903	35 0	10 0	3 7	13	9	2	sec.	Thomas Longworth, Steelton, Ont.
134018	W. D. Matthews	Toronto	1903	366 5	48 0	25 0	3,965	2,450	151	sec.	Canada Steamship Lines, Ltd., Montreal, Que.
134018	W. G. Harrow	Port Arthur	1893	94 5	19 2	9 0	110	75	20	sec.	The Dominion Fish Co., Ltd., Warton, Ont.

¹Formerly a sailing vessel. ²Foreign name "Welcome." ³Foreign name "Boston." ⁴Foreign name "St. Nicholas." ⁵Formerly "Idle Hour." ⁶Foreign name "Uranus." ⁷Formerly "Lake."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations—*Abbreviations*—I.O., Joint owners, propriétaires conjoints; M.O., Managing owner, propriétaire gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice.
 © Equipped with Wireless. Muni de la T. S. F. Names of Motor Vessels in *Italics*. Les noms des vapeurs à moteurs sont en *italiques*.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Built Constructé en	Where Built. Lieu de construction	Length in feet and inches. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Gross Tonnage Tonnage brut	Registered Tonnage Tonnage enregistré	H.P. of Engines and Mode C.V. et mode de propulsion.	Owner of Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134548	W. H. Lee	Ottawa	1889	U.S.A.	128 9	30 0	11 0	317	190	61 sc.	The Minister of the Naval Service, Ottawa, Ont.
111840	W. H. Seymour	Sault Ste. Marie	1894	U.S.A.	66 0	17 3	8 5	85	42	30 sc.	Andrew Roques, Blind River, Ont.
71247	W. J. Atkins	Toronto	1874	Mantowoc, Wis., U.S.A.	60 0	15 0	4 5	42	35	40 sc.	D. C. Graham, Port William, Ont.
107133	W. J. Emerson	Goderech	1900	Buffalo, N.Y., U.S.A.	60 0	12 7	3 5	58	19	6 sc.	Jno. Maloney, Port Arthur, Ont.
33819	W. J. Guest	Winnipeg	1917	Goderech, Ont.	85 5	19 0	8 0	97	66	20 sc.	The Northern Fish Co., Ltd., Selkirk, Man.
100922	W. J. Henry	Ottawa	1890	Sedkirk, Man.	22 5	5 0	2 3	1	1	3 sc.	R. L. Baycock, Ottawa, Ont.
78040	W. J. Taylor	Chatham, Ont.	1883	Chatham, Ont.	35 0	8 0	3 0	9	1	10 sc.	St. Clair Lumber Co., Sarnia, Ont.
122933	W. L. Forrest	Goderech	1912	Goderech, Ont.	68 0	17 6	9 6	81	57	37 sc.	William Burningham, Goderech, Ont.
131121	W. L. Murphy	Ottawa	1912	Pembroke, Ont.	88 6	18 0	6 5	80	49	4 sc.	William T. Murphy, Pembroke, Ont.
94687	W. M. Weather spoon.	Sydney, N.S.	1890	Digby, N.S.	70 2	15 8	6 5	31	21 sc.	1 sc.	Henry, Ltd., Halifax, N.S.
96869	W. P. Buckley	Prescott	1870	Wilson, N.Y., U.S.A.	45 0	9 5	3 4	27	12	10 sc.	James Buckley, Prescott, Ont.
134497	W. R. Charlton	Quebec	1906	Sault au Monton, Que.	70 0	19 5	5 2	62	36	29 1/2 pa.	Walter R. Charlton, Sault au Monton, Que.
134211	W. R. Lord	Prince Rupert	1912	Gag. Harbour, Wash., U.S.A.	56 5	16 6	6 8	40	27	3 sc.	Canadian Fish & Cold Storage Co., Ltd., Toronto, Ont.
85709	W. S. Ireland	Wallaceburg	1872	Wallaceburg, Ont.	86 5	24 2	6 7	105	71	9 sc.	John Cooper, Chatham, Ont.
107592	W. S. Orlfield	Owen Sound	1898	Warton, Ont.	42 0	12 4	5 0	15	10	26 sc.	Geo. Gorrell and John Mossip, J.O., Straness, Ont.
130725	W. C. Baker	Lambert	1905	Tanook, N.S.	39 6	9 9	5 2	10	10	3 sc.	Jonathan A. McDonald, M.O., Port Joli, N.S.
126747	W. C. Earlton	Vancouver	1908	Van Anda, B.C.	35 5	9 4	4 3	11	7	1 sc.	William J. Gillis, Nanaimo, B.C.
126517	W. Grant	Victoria	1910	Victoria, B.C.	93 0	10 3	10 3	103	37	45 sc.	Victoria Whaling Co., Ltd., Toronto, Ont.
134015	W. Grant Morden	Port Arthur	1914	Port Arthur, Ont.	99 0	39 2	27 8	8,611	6,086	210 sc.	The Canada Interlake Lino. Ltd., Toronto, Ont.
100702	Wahana	Pictou, N.S.	1899	New Glasgow, N.S.	41 0	8 4	5 0	12	8	1 sc.	The Nova Scotia Steel & Coal Co., Ltd., New Glasgow, N.S.
126247	Wahash	Victoria	1909	Victoria, B.C.	40 3	10 2	5 0	14	8	2 1/2 sc.	Frederick R. and Francis A. MacFarlane, Cobble Hill, B.C.
131155	Wabasso	Vancouver	1912	Vancouver, B.C.	33 9	8 1	3 9	8	6	1 sc.	Vancouver Harbour Commissioners, Vancouver, B.C.
130644	Wabis	Ottawa	1911	Timiskaming, Que.	66 0	23 1	5 0	77	38	3 pa.	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
116633	Wacouta	Lindsay	1909	Peterborough, Ont.	66 0	13 6	5 0	33	22	6 sc.	Charles Wm. Burgoyne, M.O., Fenton Falls, Ont.
134656	Wadana	Victoria	1912	Friday Harbour, T.S.A.	50 4	13 8	5 0	21	10	2 sc.	The Straits Fish Co., Ltd., Nanaimo, B.C.
146754	Wahnapitae	Toronto	1904	Pencanguishene, Ont.	91 0	18 6	10 2	153	95	37 sc.	C. Beck Mfg. Co., Ltd., Poncanungishene, Ont.
133976	Waidin	Victoria	1913	Nanaimo, B.C.	29 9	7 0	3 3	4	3	1 sc.	Mrs. Richard F. Janowski, Nanaimo, B.C.
134654	Wakanora	New Westminster	1917	Steveston, B.C.	38 2	9 0	3 8	11	7	1 sc.	Yosyano Oye, Steveston, B.C.
131159	Wake (The)	Prince Rupert	1912	Vancouver, B.C.	41 0	11 2	4 0	18	12	2 sc.	H. F. Keegan and H. R. Fowler, J.O., Stewart B.C.
107107	Walbran	Victoria	1898	Seattle, Wash., U.S.A.	27 8	6 8	3 0	3	2	1 sc.	Wm. E. Oliver, Victoria, B.C.
130961	Waldren H.	Magdalen Islands	1912	Grand Entry, M.L., Que.	42 5	13 2	4 6	11	11	2 sc.	Wesley Rankin, et al., Magdalen Islands, Que.

LIST OF SAILING VESSELS

SESSIONAL PAPER No. 22

138364	Wales Island No. 7.....	Vancouver, B.C.	1917	49 0	13 0	6 5	21	21	30.	Merrill Des Brissey, Vancouver, B.C.
138706	Hales Island No. 8.....	Vancouver, B.C.	1918	46 4	16 4	5 5	17	13	21	Merrill Des Brissey, Vancouver, B.C.
140918	Hales Island No. 9.....	Vancouver, B.C.	1918	67 6	42 3	6 1	25	23	31	Merrill Des Brissey, Vancouver, B.C.
138689	Walley I.....	Vancouver, B.C.	1917	32 8	10 9	5 2	18	18	30.	Walthey Ltd., Vancouver, B.C.
133710	Walroona.....	Hong Kong.	1912	60 2	13 0	5 6	44	30	24	The Minister of Public Works, Ottawa, Ont.
71075	Walker H. Stone.....	Sandusky, O., U.S.A.	1889	64 2	16 5	6 7	35	17	2	Allert Heimann, Pelee Island, Ont.
90074	Waldor Sood.....	Buffalo, N.Y., U.S.A.	1876	36 0	10 8	4 7	26	18	25	J.W. Maifland, Oyster Sound, Ont.
125977	Wampapaog.....	Quebec.....	1917	57 3	12 0	8 4	38	22	13	John Doran, Lewis, Que.
134657	Wanaga.....	Victoria.....	1912	50 4	13 8	5 0	21	20	2	The Straits Fish Co., Ltd., Nanaimo, B.C.
126465	Wanukawan.....	Kingston, Ont.....	1910	70 2	15 4	5 2	68	41	8	Rideal Steamboat Co., Ltd., Ottawa, Ont.
107739	Wanda.....	Kingston, Ont.....	1899	65 0	15 0	6 6	39	26	7	Daniel O'Connor, Toronto, Ont.
85720	Wanda.....	Prescott.....	1878	36 0	8 0	3 0	4	2	6	O. Bassoon, Kempville, Ont.
91950	Wanda.....	Yarmouth.....	1880	36 0	15 0	7 9	38	32	3	Hugh Cam & Son, Ltd., Yarmouth, N.S.
137902	Wanda III.....	Toronto.....	1915	91 0	12 0	6 4	60	33	2	Margaret W. Eaton, Toronto, Ont.
146988	Wanderer.....	Kenora, Ont.....	1905	45 0	11 0	4 5	20	13	1	1. Matheson, Kenora, Ont.
121677	Wanderer.....	Vancouver, B.C.....	1905	63 5	7 6	2 0	4	3	8	N. Cook and Alfred Fells, J.O., Vancouver, B.C.
126762	Wanderer of the North.....	Montreal, Que.....	1910	65 5	16 3	6 2	53	36	34	William M. Birds, Montreal, Que.
103683	Wanata.....	Toronto.....	1896	64 0	12 0	5 8	44	30	8	A. A. Agor, Bark's Balls, Ont.
100651	Wapanao.....	Kingston, Ont.....	1893	40 7	8 2	3 0	5	3	8	W. Zahng, Toronto, Ont.
107734	Wapiti.....	Kenora.....	1890	55 6	9 7	4 2	18	12	8	W. J. Inat Escat, Cayton, J.O., Rainy River, Ont.
141427	War Atlin.....	Vancouver, B.C.....	1918	249 7	43 5	23 8	9 238	1 134	17	The Shipping Controller, London, England.
140936	War Balme.....	Victoria, B.C.....	1918	249 8	43 4	23 0	9 236	1 418	17	The Shipping Controller, London, England.
140939	War Canham.....	Victoria, B.C.....	1918	249 8	43 4	22 0	9 239	1 418	17	The Shipping Controller, London, England.
141036	War Cariboo.....	North Vancouver, B.C.....	1918	249 6	43 4	23 0	9 230	1 429	15	The Shipping Controller, London, England.
141118	War Cayuse.....	Vancouver, B.C.....	1918	249 7	43 3	22 8	9 249	1 425	17	The Shipping Controller, London, England.
141037	War Cayuse.....	North Vancouver, B.C.....	1918	249 5	43 4	22 8	9 246	1 443	17	The Shipping Controller, London, England.
14128	War Charco.....	Vancouver, B.C.....	1918	249 5	51 1	27 3	9 273	1 431	14	The Shipping Controller, London, England.
141295	War Chilkat.....	Vancouver, B.C.....	1918	249 1	43 7	22 0	9 238	1 436	14	The Shipping Controller, London, England.
140979	War Comox.....	New Westminster, B.C.....	1918	249 1	43 7	22 0	9 238	1 436	14	The Shipping Controller, London, England.
134647	War Eagle.....	Victoria.....	1916	45 4	8 5	5 0	6	11	1	John Lee, Nanaimo, B.C.
140987	War Edlepsaw.....	New Westminster, B.C.....	1918	249 6	43 3	22 8	9 236	1 424	13	The Shipping Controller, London, England.
140940	War Haida.....	Victoria, B.C.....	1918	249 8	43 4	23 0	9 236	1 418	13	The Shipping Controller, London, England.
141172	War Kitima.....	New Westminster, B.C.....	1918	249 4	43 6	22 8	9 236	1 431	14	The Shipping Controller, London, England.
138788	War Masset.....	Victoria.....	1918	249 8	43 4	23 0	9 236	1 447	14	The Shipping Controller, London, Eng.
140949	War Masset.....	Victoria, B.C.....	1918	249 8	43 4	23 0	9 236	1 447	14	The Shipping Controller, London, Eng.
14125	War Nook.....	Vancouver, B.C.....	1918	249 3	43 1	22 9	9 250	1 465	14	The Shipping Controller, London, England.
141025	War Nook.....	Vancouver, B.C.....	1918	249 3	43 1	22 9	9 250	1 429	11	The Shipping Controller, London, England.
140942	War Skema.....	Victoria, B.C.....	1918	249 8	43 1	22 9	9 236	1 416	13	The Shipping Controller, London, England.
140911	War Sitka.....	Victoria, B.C.....	1918	249 8	43 1	22 9	9 236	1 413	13	The Shipping Controller, London, England.
140982	War Sunnes.....	Port Cowichan, B.C.....	1918	249 7	43 0	22 9	9 235	1 415	13	The Shipping Controller, London, England.
141195	War Sunnes.....	New Westminster, B.C.....	1918	249 7	43 0	22 9	9 235	1 415	13	The Shipping Controller, London, England.
141294	War Sunnes.....	Vancouver, B.C.....	1918	249 7	43 3	22 9	9 235	1 429	14	The Shipping Controller, London, England.
140981	War Tye.....	New Westminster, B.C.....	1918	249 8	43 4	22 6	9 232	1 413	14	The Shipping Controller, London, England.
103810	War Wasp.....	Victoria, N.S.....	1917	228 7	35 6	17 8	1 422	810	1 000	Robert E. Chadwick and Frank S. Asketin, J.O., Liverpool, England.
100084	War Wasp.....	St. John, N.B.....	1892	49 8	13 1	5 7	29	20	43	Mrs. Hugh Balfie, Port Moody, B.C.
107254	Warren G.....	Sydney, N.S.....	1891	28 0	6 6	3 2	3	2	5	J. Nicholson, North Sydney, N.S.
130684	Warren G.....	Lebanon, N.B.....	1907	40 2	10 8	5 5	12	10	3	Fredrick and Robert Hyson, Malcome Bay, N.S.
12249	Warren P.....	Charlottetown, N.B.....	1907	52 6	15 1	5 7	27	20	24	W. S. Loggie Co., Ltd., Charlott, N.B.
138181	Wasaga.....	Collingwood.....	1917	33 0	11 1	4 1	10	8	1	Henry and William Freeman, J.O., Hector, Ont.
134644	Wasaga.....	Victoria.....	1912	50 1	13 8	5 0	21	10	2	The Straits Fish Co., Ltd., Nanaimo, B.C.
126902	Wasp B.....	Halifax.....	1907	43 0	12 4	4 8	15	14	4	Halifax Graving Dock Co., Ltd., London, G.B.
126288	Wasson.....	St. John, N.B.....	1909	55 6	15 6	6 9	45	30	16	Arthur W. Adams, et al., St. John, N.B.
138072	Wataban.....	Ottawa.....	1911	50 1	6 0	3 6	9	4	1	The Minister of the Naval Service, Ottawa, Ont.

1 Formerly a sailing vessel. 2 Foreign name "Oceania." 3 Formerly "Cyclone." 4 Formerly "Watti." 5 Signifies Turbine.

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations.—*Brévations*.—*J.O.*, Joint owners—propriétaires conjoints; *M.O.*, Managing owner—propriétaire gérant; *Pa.*, Paddle—à aubes; *Sc.*, Screw—à hélice. *©* Equipped with Wireless—Muni de la T. S. F.—Names of Motor Vessels in *italics*—Les noms des vapeurs à moteurs sont en *italiques*.

Official No.— N ^o officiel.	Name of Ship.— Nom du navire.	Port of Registry.— Port d'enregistrement.	Built.— Cons- truit en	Where Built.— Lieu de construction.	Length in feet and 10ths.— Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths.— Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths.— Tonnage brut.	Gross Tonnage.— Tonnage brut.	Registered Tonnage.— Tonnage enregistré.	H.P. of Engines and Mode of Propulsion.— Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address.— Armateur ou propriétaire gérant, et adresse.
103924	Water Lily.....	Peterborough	1897	Peterborough, Ont.....	80 0	12 0	5 2	54	37	3 sc....	Wm. Buller, Peterborough, Ont.
94923	Water Lily.....	Montreal	1891	Pictou, Ont.....	97 1	19 2	7 8	138	63	11 sc....	Canada Steamship Lines, Ltd., Montreal, Que.
112258	Water Lily.....	Vancouver	1903	Vancouver, B.C.....	27 7	7 6	3 4	4	3	2 sc....	Wilbur Johnston, Vancouver, B.C.
130525	Water Sprite (The).....	Montreal	1911	Dorval, Que.....	31 5	6 5	2 5	4	3	11 sc....	George A. Mooney, Montreal, Que.
116288	Water Witch.....	Halifax	1903	Dartmouth, N.S.....	80 0	18 0	8 3	90	61	75 sc....	Tug Monton, Ltd., Halifax, N.S.
107877	Water Witch.....	Lindsay	1900	Lindsay, Ont.....	44 8	10 5	4 2	18	12	2 sc....	Michael Dovey, Lindsay, Ont.
116836	Water Lily.....	Kingston	1904	Toronto, Ont.....	25 7	5 8	2 6	2	2	1 sc....	Charles H. Gray, Gananoque, Ont.
134080	Water Lily.....	Vancouver	1913	Vancouver, B.C.....	43 0	10 0	5 5	19	13	2 sc....	The Attorney General for British Columbia, Victoria, B.C.
138653	Wataka.....	Pictou, N.S.	1918	New Glasgow, N.S.....	248 7	45 1	17 3	1,735	1,067	110 sc....	Wasis Steamship Co., Ltd., New Glasgow, N.S.
138497	Wau Bano.....	Montreal	1917	Sarnia, Que.....	80 2	13 8	3 7	61	34	5 pa.	The St. Maurice Construction Co., Ltd., Montreal, Que.
112536	Waubashene.....	Collingwood	1904	Collingwood, Ont.....	78 0	18 5	12 6	135	94	37 sc....	Georgetown Bay Lumber Co., Ltd., Montreal, Que.
122555	Waubie.....	Collingwood	1909	Collingwood, Ont.....	134 1	25 0	9 5	304	247	67 sc....	Canada Steamship Lines, Ltd., Wauabashene, Ont.
134423	Waukesha.....	Vancouver	1912	Vancouver, B.C.....	32 8	8 2	4 0	10	7	1 sc....	Edward L. Quinn, Powell River, B.C.
137905	Wauketa.....	Toronto	1914	Midland, Ont.....	73 0	16 5	10 5	9	54	13 1/2 sc....	The Minister of Public Works, Ottawa, Ont.
130971	Waukon.....	Peterborough	1912	Collingwood, Ont.....	65 2	11 5	5 0	29	20	3 sc....	Frederick C. Watts, Collingwood, Ont.
111889	Wawana.....	Peterborough	1906	Lakefield, Ont.....	25 2	5 2	2 5	2	2	1 sc....	Thomas and William Gordon, J.O., Lakefield, Ont.
126908	Wawa.....	Halifax	1910	Malbone Bay, N.S.....	32 6	10 0	6 0	9	8	3 sc....	Fitzgerald U. Anderson, Halifax, N.S.
107750	Wawana.....	Kingston	1901	Kingston, Ont.....	41 0	8 6	3 4	9	6	5 sc....	Mrs. Gerald de C. O'Grady, Toronto, Ont.
138370	Wawanesa.....	Vancouver	1917	Vancouver, B.C.....	68 3	14 8	7 9	55	17	2 pa.	The Packers Steamship Co., Ltd., Vancouver, B.C.
116769	Wawakesh.....	Toronto	1903	Simcoe, Ont.....	37 0	9 3	2 8	19	12	2 pa.	Wm. E. Bigwood, Toronto, Ont.
116762	Wawinet.....	Toronto	1904	Simcoe, Ont.....	87 0	12 5	7 5	68	42	9 sc....	Wm. McKenzie, Toronto, Ont.
122541	We T'wo.....	Vancouver	1907	Toronto, Ont.....	50 9	13 5	6 4	32	22	9 sc....	Wm. Coleman & Evans, Ltd., Vancouver, B.C.
126797	Weasel.....	New Westminster	1910	New Westminster, B.C.....	26 6	7 9	2 8	4	3	3 sc....	Jamus W. H. Cartmell, Chilliwack, B.C.
126646	Web.....	Port Dover	1903	Buffalo, N.Y., U.S.A.....	62 6	15 0	6 5	39	26	3 sc....	William F. Kolbe, Port Dover, Ont.
121919	Wego.....	Kenora	1907	Kenora, Ont.....	22 0	6 0	3 4	2	1	3 sc....	Charles N. Sterling, Kenora, Ont.
134092	Wekennish.....	Vancouver	1914	Vancouver, B.C.....	45 8	11 0	4 8	23	16	1 sc....	The Minister of the Interior, Ottawa, Ont.
126892	Wekesa.....	Vancouver	1909	Vancouver, B.C.....	31 7	8 6	3 4	15	10	1 1/2 sc....	The Attorney General for the Province of British Columbia, Victoria, B.C.
85500	Welcome.....	Collingwood	1886	Collingwood, Ont.....	52 0	11 0	5 2	21	14	13 sc....	Mrs. F. M. Smith, Fort William, Ont.
111596	Welcome.....	New Westminster	1901	Harrison River, B.C.....	75 0	9 0	2 5	30	20	4 pa.	Tulewater Timber Co., Ltd., Vancouver, B.C.
120444	Wendigo.....	Kenora	1908	Kenora, Ont.....	52 0	11 0	4 0	33	22	2 sc....	Rat Portage Lumber Co., Ltd., St. Boniface, Man.
92744	Wenola.....	Sackville	1892	Bay Verte, N.B.....	49 0	11 0	4 7	25	17	2 sc....	G. McKean, M. O., St. John, N.B.
107685	Wenona.....	Prescott	1905	Prescott, Ont.....	66 6	10 4	4 6	26	17	8 sc....	Upper Ontario Steamboat Co., Ltd., New Liskeard, Ont.

SESSIONAL PAPER No. 22

No.	Name	Home Port	Class	Capacity	Speed	Engines	Notes
111841	Wenmah	Clatham, N.B.	1901	31	5	8	Chatham, N.B.
103550	Wenmah	Kingston	1890	37	0	8	Oliver's Ferry, Ont.
1886	Wenmah	Toronto	1886	35	0	8	Bark's Falls, Ont.
92433	Wenmah	Ottawa	1906	68	0	93	Robert J. Watson, Bark's Falls, Ont.
103441	Westlake	Ottawa	1895	37	0	15	Rideau Lumber Co., Ltd., Ottawa, Ont.
130868	West Arm	New Westminster	1912	55	0	12	The Packers Steamship Co., Ltd., Vancouver, B.C.
111861	West Arm	Ottawa	1912	41	0	23	Henry Quessell, J.P., Sturgeon Falls, Ont.
128773	West Day	Victoria	1907	35	0	16	Vietor Jacobson, Victoria, B.C.
126631	West Vancouver	Vancouver	1909	41	5	9	Wm. McLellan, West Vancouver, B.C.
134086	West Vancouver	Vancouver	1914	83	0	71	Corporation of the District of West Vancouver, West Vancouver, B.C.
122392	Western Slope	Victoria	1907	42	8	14	Charles M. Menzies, Vancouver, B.C.
126900	Westerner	Vancouver	1910	32	0	4	Thomas S. Hansen, Skeena River, B.C.
126740	Westez	Vancouver	1909	26	4	7	Canadian Explosives, Ltd., Montreal, Que.
126276	Westman	New Westminster	1909	55	3	22	Frank Waterhouse & Company of Canada Ltd., Vancouver, B.C.
132922	Westmount	Montreal	1917	57	392	5	Montreal Transportation Co., Ltd., Montreal, Que.
126334	Weston	Vancouver	1909	34	5	8	GEO. M. Robertson & W. D. Carter, J.O., Vancouver, B.C.
71170	Westport	Kingston	1862	102	5	10	M. Scanlan, Montreal, Que.
116346	Westport	Kingston	1903	79	0	196	Miss Mary Elgin, Kenyville, Ont.
116298	Westport III	Yamouche	1903	57	5	80	The Insular S.S. Co., Ltd., Westport, N.S.
114445	Weyersfield	Yamouche	1903	101	0	143	Canadian Maritime Co., Ltd., Montreal, Que.
94324	Weymouth	Pictou, N.S.	1890	248	7	19	The Bras d'Or Steamboat Co., Ltd., North Sydney, N.S.
926532	Weymouth	Vancouver	1890	102	7	134	Canadian Pacific Railway Co., Montreal, Que.
926532	Weymouth	Vancouver	1890	79	9	106	Hamilton Shipbuilding and Ferry Co., Ltd., Hamilton, Ont.
62400	Where Now	Kingston	1889	46	0	14	Thos. J. Foster, Vancouver, B.C.
122909	Where To	Hamilton	1915	39	3	8	Hovey Slawson, et al., Vancouver, B.C.
126071	White Birch	Vancouver	1907	49	8	28	Frederick W. Reynolds, Vancouver, B.C.
130455	White Birch	Vancouver	1918	56	0	12	Henry Pybus, Vancouver, B.C.
128788	White Cliff	Vancouver	1911	54	0	12	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
107537	White Horse	Victoria	1901	167	0	34	Joseph Bethel, Vancouver, B.C.
130742	White House	Vancouver	1911	28	8	5	Joseph H. Michelmore, Vancouver, B.C.
140892	White Iris	Vancouver	1911	30	4	7	Canada Steamship Lines, Ltd., Montreal, Que.
103961	White Star	Montreal	1887	167	2	41	E. A. Peck, Peterborough, Ont.
111583	White Star	Peterborough	1900	30	0	7	Thomas Donald, Thurlow, Ont.
93532	White Wings	Dessonto	1891	35	0	6	The James Wilbur Whiteley, Sombra, Ont.
126224	Whiteley	Sarnia	1909	22	4	6	GEO. GORDON & CO., Ltd., Cache Bay, Ont.
14921	Whitney	Ottawa	1918	48	0	12	Claude C. Ketchum, Prince Rupert, B.C.
130743	Whitman	Vancouver	1903	45	6	10	John Anderson, Eburne, B.C.
121743	Whitman	Vancouver	1905	30	0	8	Arthur L. Drummond, Montreal, Que.
99103	Wild Rose	Montreal	1891	47	0	10	Canada Steamship Lines, Ltd., Montreal, Que.
111965	Wiley M. Egan	Montreal	1887	290	7	39	Shepody Navigation Co., Ltd., Moncton, N.B.
103713	Wilfred C.	Victoria	1887	80	0	18	John Harper, Victoria, B.C.
126954	Wifal	Victoria	1906	26	0	9	Mrs. Mabel A. Code, Smith's Falls, Ont.
130761	Willard	Kingston	1912	44	4	9	W. H. Batt, Charlottetown, P.E.I.
96858	William A. Rooth	Port Arthur	1871	81	0	15	James Young, Gore Bay, Ont.
90850	William Aitken	Charlottetown	1887	73	0	13	Michael McNeill, et al., Welland, Ont.
121953	William D.	Port Stanley	1889	35	6	9	William J. Finn & Co., Ltd., Wallaceburg, Ont.
103952	Wm. Davis	Montreal	1897	63	3	16	The Minister of Public Works, Ottawa, Ont.
116487	Wm. E. Rooney	Wallaceburg	1902	40	9	14	Dominion Fish Co., Ltd., Winnipeg, Man.
77717	Wm. F. McRae	Wallaceburg	1880	65	0	48	Percy W. Kent, Kentville, Ont.
125731	Wm. H. LeRoe	Vancouver	1909	124	0	27	John Donnelly, Kingston, Ont.
90763	Wm. H. Selbold	Goderich	1887	58	0	12	Foreign name "Petrol."
134519	Wm. Hutman	Sault Ste. Marie	1909	87	0	10	Foreign name "John 3, 16."
90874	William Johnston	Kingston	1878	85	9	20	Foreign name "Westmount."

¹ Formerly "Kacyemo." ² A recovered wreck. ³ Formerly "Ella." ⁴ Formerly "Ellipse." ⁵ Formerly "Westmount." ⁶ Foreign name "John 3, 16." ⁷ Foreign name "Petrol."

ALPHABETICAL LIST of Steam Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des vapeurs inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Abbreviations: J.O., Joint Owners—propriétaires conjoints; M.O., Managing owner—propriétaires gérant; Pa., Paddle—à aubes; Sc., Screw—à hélice. © Equipped with Wireless. Muni de la T.S.F. Noms des Motor Vessels in Italics. Les noms des vapeurs à moteurs sont en italiques.

Official No.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Built Construit en	Where Built. Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es	Breadth in feet and 10ths. Largeur en pieds et 10es	Depth in feet and 10ths. Profondeur en pieds et 10es	Gross Tonnage. Tonnage brut.	Registered tonnage. Tonnage enregistré.	H.P. of Engines and Mode of Propulsion. Puissance des machines en c.v. et mode de propulsion.	Owner or Managing Owner, and Address. Ammateur ou propriétaire gérant, et adresse.
111842	Wm. M.	Chatham, N. B.	1901	Chatham, N. B.	51 0	14 4	6 0	29	20	13 sc.	Wm. M. and E. H. Sinclair, Newcastle, N. B.
107527	William Ogilvie.	Victoria	1899	Lake Bennett, B.C.	63 0	14 4	4 5	82	56	5 sc.	Inland Trading Co., Ltd., Victoria, B.C.
134183	Wm. Rollar.	Sault Ste. Marie	1882	Saugateck, Mich., U.S.A.	56 0	13 6	7 6	36	11	8 sc.	Alexander B. McLean, Sault Ste. Marie, Ont.
97004	William Wilson.	St. Catharines	1892	Ridgeway, Ont.	43 4	11 1	5 2	15	10	1 sc.	Albert Henning, Port Burwell, Ont.
107402	Willie C.	Montreal.	1893	Eddieville, N. Y., U.S.A.	39 0	9 6	4 0	8	6	3 sc.	Lyon Colon, Montreal, Que.
80780	Willie Seager.	Sarnia	1888	Sarnia, Ont.	37 0	8 6	4 0	22	15	2 sc.	Harry F. Bridges, Windsor, Ont.
100929	Willis.	Ottawa.	1893	Ottawa, Ont.	30 4	7 6	3 0	2	1	6 sc.	D. O'Connor, Ottawa, Ont.
130980	Willrose.	Collingwood	1915	Collingwood, Ont.	60 0	15 4	6 3	39	37	10 sc.	Wm. Rose, Mesford, Ont.
130236	Wilma.	Port Stanley	1911	Collingwood, Ont.	69 0	16 8	7 7	55	31	13 sc.	Wilma Fish Co., Ltd., Port Stanley, Ont.
130448	Wimbal.	Vancouver	1911	Vancouver, B.C.	30 5	7 3	4 2	9	5	3 sc.	Wm. Acamley, Vancouver, B.C.
126511	Winnam.	Victoria	1909	Vancouver, B.C.	47 0	12 5	6 2	29	15	24 sc.	Abraham R. Bittencourt, Ganges Harbour, B.C.
103562	Windermerc.	Quebec.	1881	Montreal, Que.	76 7	10 5	4 9	31	21	3 sc.	Antoine Gagnon, Quebec, Que.
125986	Windsor.	Montreal.	1892	Marine City, Mich., U.S.A.	257 1	41 0	24 4	1,962	1,276	75 sc.	Montreal Transportation Co., Ltd., Montreal, Que.
138053	Winkle.	Chatham, N. B.	1916	Lameck, N. B.	46 0	12 5	4 5	16	12	1 sc.	Larcen Gauvin, Pigeon Hill, Shippigan Is., N. B.
116334	Winnet.	Amherstburg	1884	Toledo, O., U.S.A.	77 7	16 2	8 0	76	52	21 sc.	Albert Henning, Port Burwell, Ont.
130444	Winnika.	Vancouver.	1907	Vancouver, B.C.	24 5	8 6	2 2	7	5	3 sc.	A. Watt and E. H. Dumwoche, Vancouver, B.C.
103321	Winnett.	Peterborough.	1895	Boboyoung, Ont.	54 0	8 1	4 0	22	15	6 sc.	B. I. Gibson and Edward Lynch, Hastings, Ont.
94920	Winnic.	Southampton.	1897	Pike Bay, Ont.	48 0	9 5	5 0	14	9	2 sc.	L. Behmore, Southampton, Ont.
94808	Winnifred.	Victoria.	1889	Victoria, B.C.	41 0	9 9	4 2	13	8	6 sc.	Monarch Towing & Trading Co., Ltd., Vancouver, B.C.
130716	Winnipegosis.	Kenora.	1909	Winnipegosis, Man.	36 8	4 3	3 6	12	8	1 sc.	Alexander I. McPherson, Dauphin, Man.
122851	Winnona.	Hamilton	1906	Wallsend-on-Tyne, G.B.	252 0	43 5	21 3	2,085	1,327	225 sc.	Canada Steamship Lines, Ltd., Montreal, Que.
94717	Winnona.	Midland.	1902	Port Stanley, Ont.	101 2	22 9	6 8	231	149	24 sc.	Mrs. Isabella D. White, Midland, Ont.
121706	Winnona.	Toronto.	1905	Toronto, Ont.	47 5	10 0	4 3	20	13	2 sc.	W. P. Murray, Toronto, Ont.
126783	Winnross.	New Westminster.	1910	New Westminster, B.C.	73 0	18 5	8 2	90	49	33 sc.	Westminster Towing & Fishing Co., Ltd., New Westminster, B.C.
126108	Wiswasa (The).	Ottawa.	1907	Sturgeon Falls, Ont.	60 0	16 0	5 2	62	46	21 pa.	John R. Booth, Ottawa, Ont.
138089	Woburn.	Quebec.	1915	Lake Meaganic, Que.	61 5	13 1	5 7	52	31	2 sc.	Henry Wm. Albro, Lake Meaganic, Que.
116763	Wolfe Islander.	Kineston	1903	Toronto, Ont.	118 5	17 6	6 8	224	98	28 pa.	The Corporation of the Township of Wolfe Island, Ont.
116452	Wolferine.	Vancouver	1903	Vancouver, B.C.	29 3	8 4	3 5	8	5	1 sc.	Joseph E. Jack, Prince Rupert, B.C.
112295	Wolverine.	Winnipeg.	1903	Solkirk, Man.	126 0	24 3	7 6	278	189	47 sc.	The Northern Fish Co., Ltd., Solkirk, Man.
134101	Woodynymph.	Vancouver.	1912	Land, B.C.	38 4	10 3	4 4	19	13	2 sc.	Walter Pincock, Van Andra, B.C.
130790	Wyrill.	Vancouver.	1911	Vancouver, B.C.	48 8	11 0	4 8	23	16	2 sc.	Pacific Mills, Ltd., Vancouver, B.C.

SESSION PAPER No. 22

133604	X. K. Z.	Victoria	1912	Pender Island, B.C.	36 9	7 4	3 2	8	4	1 se.	Mrs. I. Durham and Thos. Hayward, Victoria, B.C.
126541	Yachino	Vancouver	1909	Steveston, B.C.	43 0	10 0	4 5	18	12	1 1/2 se.	Packers Steamship Co., Ltd., Vancouver, B.C.
134167	Yaffra	Yarmouth	1915	Shellburne, N.S.	65 0	17 0	6 0	34	31	2 se.	Yarmouth Fishing Co., Ltd., Yarmouth, N.S.
126618	Yakthik	Victoria	1911	Mathakata, B.C.	30 6	8 6	4 0	9	6	1 se.	John D. Laighon, M.O., Mathakata, B.C.
116402	Yale	Vancouver	1903	Nakusp, B.C.	75 0	13 6	5 1	36	25	17 se.	Forest Mills of British Columbia, Ltd., Revelstoke, B.C.
122521	Yanato	Vancouver	1907	Steveston, B.C.	42 0	10 8	4 1	16	11	1 1/2 se.	Nookichi Hamauchi, Steveston, B.C.
133974	Yanagi	New Westminster	1912	Steveston, B.C.	37 0	9 8	4 0	12	8	2 se.	Sankichi Tanaka, Steveston, B.C.
138739	Yanagi, Y. H.	New Westminster	1918	Steveston, B.C.	35 3	8 8	3 7	10	7	2 se.	Sankichi Tanaka, Steveston, B.C.
130496	Yanke Bay	Yarmouth	1910	Tacoma, Wash., U.S.A.	42 0	12 8	5 9	14	13	1 1/2 se.	Western Packers, Ltd., Vancouver, B.C.
93373	Yarmouth	Yarmouth	1887	Dundarong, G.B.	220 3	35 2	21 0	1,452	725	260 se.	North American Steamship Corporation, Ltd., Halifax, N.S.
122545	Yeda	Vancouver	1907	Steveston, B.C.	33 4	9 0	3 0	9	6	1 se.	Mototoshi Sawu, Vancouver, B.C.
112193	Yeldah	Chatham, Ont.	1905	Chatham, Ont.	63 0	7 0	4 0	42	26	2 se.	Joseph Hadley, Chatham, Ont.
107258	Yellow Kid	New Westminster	1908	Linderman, B.C.	29 0	7 0	4 0	3	2	1 se.	F. Porter Worsnop, Lake Linderman, B.C.
126467	Yemok	Kingston	1896	Clayton, N.Y., U.S.A.	57 8	12 6	3 8	39	27	3 se.	Daniel J. Keane, Gananoque, Ont.
137985	Yemok, 2nd	Kingston	1918	Kingston, Ont., U.S.A.	57 6	18 6	5 2	92	74	3 se.	Daniel J. Keane, Gananoque, Ont.
133722	Yemall	Vancouver	1909	Seattle, Wash., U.S.A.	48 0	13 3	2 9	16	11	2 se.	John W. Melrose, New Westminster, B.C.
107452	Yenon	Vancouver	1898	Nelson, B.C.	85 7	16 8	6 5	90	61	27 se.	Canadian Pacific Railway Co., Montreal, Que.
111979	York	Vancouver	1901	Toronto, Ont.	88 0	16 2	4 9	134	91	13 se.	Canadian Pacific Railway Co., Montreal, Que.
134300	Yoda	New Westminster	1913	Steveston, B.C.	36 0	9 5	4 3	12	8	1 se.	Wandaon Shimizu, Steveston, B.C.
126634	Yodno	Vancouver	1909	Steveston, B.C.	30 0	7 7	3 5	4	4	1 se.	Charles Elliott, Kinloch, B.C.
137934	Yogawa	Vancouver	1914	Terra Nova, B.C.	38 0	9 0	3 8	16	7	1 se.	Takemasa Imai, Terra Nova, B.C.
112050	Yon and I	St. Catharines	1902	Port Harland, Ont.	52 0	13 2	5 6	25	17	20 se.	Hain M. Kato, Port Harland, Ont.
144923	Ypres	Ottawa	1917	Toronto, Ont.	130 0	23 5	13 5	323	214	59 se.	The Minister of the Naval Service, Ottawa, Ont.
134064	Yrebama	Vancouver	1913	Vancouver, B.C.	41 3	9 5	3 7	18	12	1 se.	Alfred W. LePage, Vancouver, B.C.
126748	Ysidoro	Vancouver	1910	Vancouver, B.C.	39 0	8 9	5 0	12	8	1 1/2 se.	F. L. Hutchins, Vancouver, B.C.
130453	Ysella	Vancouver	1910	Vancouver, B.C.	36 4	8 8	3 7	11	7	1 1/2 se.	D. J. O'Brien Logging, Co., Ltd., Vancouver, B.C.
138730	Yuki	Vancouver	1918	Vancouver, B.C.	41 2	14 0	4 3	15	9	1 1/2 se.	Shimizu Nishikawa, Vancouver, B.C.
107098	Yukoner	Victoria	1898	St. Michaels, Alaska, U.S.A.	170 8	32 0	5 7	781	492	17 pa	British Yukon Navigation Co., Ltd., Vancouver, B.C.
134435	Yuzuhama	Vancouver	1913	Terra Nova, B.C.	47 0	9 7	4 2	12	8	1 se.	Kunazo Nagata, Eburne, B.C.
121744	Yano	Vancouver	1913	Nanaimo, B.C.	26 0	10 4	3 6	9	5	1 se.	Francois E. Binnington, Vancouver, B.C.
134642	Yasita	Victoria	1909	Sorel, Que.	37 2	8 5	3 5	9	6	1 se.	Fredrick K. and Wm. J. Janowski, Nanaimo, B.C., J.O.
122226	Yvon	Montreal	1912	Montreal, Que.	58 0	17 5	4 4	51	26	10 se.	The Simpsons-McNaughton Line, Ltd., Montreal, Que.
133828	Zaffro	Sydney, N.S.	1884	Darlington, N.S.	63 2	12 5	7 0	34	23	2 se.	Arthur C. Hardy, Brookville, Ont.
38150	Zadeec	Port Dover	1884	Port Dover, Ont.	49 3	11 8	4 4	19	13	12 se.	J. G. H. Harvey, North Sydney, N.S.
109625	Zara	Port Dover	1903	Port Dover, Ont.	63 4	13 6	4 2	38	24	2 se.	Wm. V. Reynolds, Toronto, Ont., and Mrs. M. Hendry, New Liskeard, Ont., J.O.
107830	Zeealandian	Victoria	1903	New Liskeard, Ont.	102 0	23 0	5 0	180	141	7 pa	British Yukon Navigation Co., Ltd., Vancouver, B.C.
146917	Zeebloss	Vancouver	1908	Lake Bernard, B.C.	48 5	13 6	5 9	28	10	2 1/2 se.	Alolph Peterson, Vancouver, B.C.
134186	Zella B.	St. John, N.B.	1863	Philadelphia, U.S.A.	56 7	14 0	6 7	47	32	8 se.	Luther B. Smith and Jno. D. Mitchell, St. John, N.B.
107880	Zelma	Lansbury	1900	Lindsay, Ont.	22 0	5 2	2 6	1	1	4 se.	Robert L. Morgan, Lindsay, Ont.
130813	Zina T. Young	Lansbury	1912	Little Tancook, N.S.	43 6	10 8	6 9	16	15	3 se.	Bernard B. Lilly, Churling, Nfld.
92016	Zona	Port Arthur	1886	Port William, Ont.	27 9	8 6	2 8	4	4	3 se.	James Whalen, Port Arthur, Ont.
120455	Zephyr P.	Sorel	1910	Sorel, Que.	93 0	22 3	7 0	237	119	21 se.	Joseph O. Poullog, Sorel, Que.
88524	Zephyr	Hamilton	1886	Hamilton, Ont.	27 0	6 0	3 0	3	2	8 se.	C. A. Bogert, Toronto, Ont.
130530	Zigzag	Montreal	1906	Montreal, Que.	31 7	6 8	2 5	15	10	3 se.	Edward A. Whitehead, Montreal, Que.
136551	Zorra	Vancouver	1909	U.S.A.	39 9	10 8	3 5	15	10	2 1/2 se.	Adm Fisheries, Ltd., Vancouver, B.C.
112220	Zuleika	St. John, N.B.	1893	Gloucester, Mass., U.S.A.	48 4	9 0	4 6	16	11	4 se.	Avon Coal Co., Ltd., Queens Co., N. B.

⁹ Formerly "Callinet,"
¹⁰ Formerly "J. K. Secor."

² Formerly "Tom Fawcett,"

³ Foreign name "Columbia."

⁴ Foreign name "Ellen,"

⁵ Foreign name "Taku."

⁹ Formerly "Iroquois"

SAILING VESSELS



VOILIERS

PART II -- PARTIE II

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.
 LISTE ALPHABÉTIQUE des navires à voiles inscrit dans les registres Maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Muni de la T.S.F. Abbreviations—Mentions: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant;

Official Number Numéro officiel	Name of Ship Nom du navire	Part of Registry Part d'enregistrement	Rig Gréement	Build—Construct en	Where Built Lieu de construction	Length in feet and 10ths Longueur en pieds et 10es	Breadth in feet and 10ths Largeur en pieds et 10es	Depth in feet and 10ths Profondeur en pieds et 10es	Registered tonnage Tonnage enregistré	Owner or Managing Owner, and Address Armateur ou propriétaire gérant, et adresse
116995	A. A.	Ottawa	Barge—Chd	1903	Barry's Bay, Ont.	50 0	12 0	4 0	16	Canada Corundum Co. Ltd., Toronto, Ont.
111602	A. B. C. 5	New Westminster	Barge—Chd	1900	Stoveston, B.C.	50 0	14 0	3 0	17	Anglo-British Columbia Packing Co., Ltd., Vancouver, B.C.
111606	A. B. C. 6	New Westminster	Barge—Chd	1900	New Westminster, B.C.	45 0	14 0	3 0	15	Anglo-British Columbia Packing Co., Ltd., Vancouver, B.C.
111603	A. B. C. 25	New Westminster	Barge—Chd	1903	Stoveston, B.C.	50 0	14 0	3 0	17	Anglo-British Columbia Packing Co., Ltd., Vancouver, B.C.
107921	A. C. C. No. 3	New Westminster	Barge—Chd	1897	New Westminster, B.C.	68 0	21 0	5 0	150	Automatic Can Co. Ltd., New Westminster, B.C.
107406	A. D.	Montreal	Shoop	1899	St. Thomas de Pierre ville, Que.	147 0	30 1	13 4	462	George Hall Coal Company of Canada, Ltd., Montreal, Que.
134615	A. G. T. No. 1	Sault Ste. Marie	Scow—Chd	1913	Sault Ste. Marie, Ont.	55 6	18 0	4 0	40	Allan G. Tweedie, Sault Ste. Marie, Ont.
126848	A. L.	Quebec	Schr—Glt	1909	Petite Rivière St. Francois, Que.	71 5	21 0	5 1	48	Musiel Simard, Petite Rivière, St. Francois, Que.
133827	A. L. No. 1	Montreal	Shoop	1913	Pierreville, Que.	108 5	23 2	8 0	157	Marcil Dapsan, Pierreville, Que.
107457	A. M. 1	Vancouver	Scow—Chd	1891	Vancouver, B.C.	72 0	23 9	8 2	90	Alex. Morrison, Vancouver, B.C.
133739	A. M. 4	Vancouver	Scow—Chd	1902	Vancouver, B.C.	70 0	30 0	7 5	152	William W. White, Vancouver, B.C.
121719	A. M. 5	Vancouver	Scow—Chd	1902	Vancouver, B.C.	75 3	30 3	7 5	165	Armstrong, Morrison & Co., Ltd., Vancouver, B.C.
111704	A. M. 6	Vancouver	Scow—Chd	1902	Vancouver, B.C.	79 0	30 0	7 5	163	Vancouver, The Big Bag Co., Ltd., Vancouver, B.C.
129633	A. M. 7	Vancouver	Scow—Chd	1900	Vancouver, B.C.	72 0	28 0	7 0	137	Robert Armstrong, Vancouver, B.C.
134065	A. M. VIII	Vancouver	Scow—Chd	1913	Vancouver, B.C.	60 8	29 9	7 7	121	H. B. Babington, Vancouver, B.C.
134066	A. M. IX	Vancouver	Scow—Chd	1913	Vancouver, B.C.	61 4	29 9	7 7	121	Armstrong, Morrison & Co., Ltd., Vancouver, B.C.
133711	A. M. 10	Vancouver	Scow—Chd	1909	Vancouver, B.C.	77 2	32 0	7 6	179	William W. White, Vancouver, B.C.
134067	A. M. XI	Vancouver	Scow—Chd	1913	Vancouver, B.C.	50 5	30 0	6 6	165	Armstrong, Morrison & Co., Ltd., Vancouver, B.C.
134068	A. M. XIV	Vancouver	Scow—Chd	1913	Vancouver, B.C.	72 4	30 0	6 6	131	Granby Consolidated Mining Smelting & Power Co., Ltd.
138533	A. M. XVIII	Vancouver	Scow—Chd	1915	Vancouver, B.C.	68 3	24 0	4 1	56	Armstrong, Morrison & Co., Ltd., Vancouver, B.C.
133886	A. M. C. No. 1	Vancouver	Scow—Chd	1913	North Vancouver, B.C.	81 0	30 9	8 2	193	Evans Coleman & Evans Ltd., Vancouver, B.C.
134500	A. N. E.	Quebec	Schr—Glt	1915	Bate St. Paul, Que.	71 3	23 4	7 5	69	Néve Millway et al., O., Bate St. Paul, Que.
141192	A. T. I. No. 1	Vancouver	Scow—Chd	1911	Vancouver, B.C.	80 6	26 2	6 5	115	Messrs. J. I. Harcks, Vancouver, B.C.
111867	A. A. Buel	Ottawa	Barge—Chd	1902	Hull, Que.	108 5	22 6	5 0	148	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
100881	A. A. Bartlett	St. John, N. B.	Schr—Glt	1892	Oromocto, N. B.	45 7	12 3	5 1	20	William Bryson, Oromocto, N. B.
94632	A. C. Greenwood	Shelburne	Schr—Glt	1888	Sand Point, N. S.	41 0	13 7	6 0	15	John Dyer, Sand Point, N. S.
85409	A. C. Newhall	Magdalen Islands	Schr—Glt	1858	U. S. A.	63 0	18 3	6 3	32	Esperanza Canada Fisheries, Ltd., Montreal, Que.
103428	A. D. Smith	Ottawa	Barge—Chd	1895	Barry's Bay, Ont.	23 3	11 3	3 6	14	D. Johnston, Combermere, Ont.

SESSIONAL PAPER No. 22

1382411	A. H. Whitman.....	Lunenburg.....	Schr—Glt.....	1916	97 6	25 0	10 0	94	William Duff, et al., Lunenburg, N.S.
131069	Port Arthur.....	Port Arthur.....	Barge—Chld.....	1904	109 0	23 2	7 5	173	The Superior Sand & Towing Co., Ltd., Fort William, Ont.
131446	A. H. Perry.....	Montreal.....	Sloop.....	1912	107 2	26 9	7 4	181	Aleford Bibeau, Notre Dame de Pierreville, Que.
131694	A. Hubley.....	Halifax.....	Schr—Glt.....	1912	31 3	20 3	9 1	166	Amsey Hubley, et al., St. Margarets Bay, N.S.
131934	A. Lafleur.....	Montreal.....	Sloop.....	1907	102 4	23 1	6 4	109	Amable Lafleur, Notre Dame de Pierreville, Que.
132088	A. Mellette.....	Montreal.....	Sloop.....	1907	89 3	22 6	6 5	330	A. Desrochers, Sorel, Que.
132714	A. Murray.....	Toronto.....	Schr—Glt.....	1874	138 4	23 9	11 4	330	Point Anne Quarries, Ltd., Toronto, Ont.
132258	A. Renaud.....	Quebec.....	Schr—Glt.....	1907	68 3	23 0	8 6	83	Edmond Grenon and Edmond Dallaire, Grand Bate, Que.
129682	A. Yergeau.....	Montreal.....	Sloop.....	1908	108 0	23 2	7 5	132	Calixte Dancau, Nortre Dame de Pierreville, Que.
138200	Almanana.....	Liverpool.....	Schr—Glt.....	1918	133 6	32 6	12 2	237	Yu Wing (Ah Yoi), Sydney, Australia, N.S.W.
121808	Albion Keats.....	Barrington Passage.....	Sloop.....	1904	31 0	11 4	6 0	307	C. D. Alkerson, Cape Island, N.S.
107798	Albion Keats.....	St. John, N.B.....	Schr—Glt.....	1899	83 0	37 0	7 3	267	E. A. Vaughan, et al., Parrsboro, N.S.
125637	Albion Keats.....	Kingston.....	Schr—Glt.....	1873	138 7	26 1	11 1	95	James Oliver, Kingston, Ont.
107870	Albion May.....	Barrington Passage.....	Sloop.....	1904	59 0	10 6	6 0	40	Charles E. Raupp, McNutt's Island, N.S.
107070	Albion Verma.....	St. John, N.B.....	Schr—Glt.....	1898	60 5	24 3	6 4	66	Norie M. Ogilvie, Parrsboro, N.S.
920663	Albion Jane.....	Sydney, N.S.....	Schr—Glt.....	1899	45 5	15 6	6 1	19	John Fitzgerald, Aspy Bay, N.S.
103066	Aluel A.....	Yarmouth.....	Schr—Glt.....	1885	50 9	17 0	6 5	23	Edward B. Throft, Yarmouth, N.S.
130628	Aluel A.....	Yarmouth.....	Schr—Glt.....	1892	37 5	14 4	6 0	19	Joseph La Croix, Caraquet, N.B.
120464	Acacia.....	Chatham, N.B.....	Schr—Glt.....	1912	102 3	25 6	10 1	186	William G. Woodman, Wolfe Island, Ont.
83313	Acacia.....	Port Medway.....	Pgtn—Bkght.....	1873	98 4	25 6	9 3	91	B. H. Hammett, Boston, Mass., U.S.A.
112126	Acacia.....	Port Medway.....	Schr—Glt.....	1884	90 4	24 3	9 3	91	Michael Bashka, Curling, Nfld.
72942	Acadia.....	Lunenburg.....	Schr—Glt.....	1875	150 0	26 5	11 5	375	Patrick Doyle, Montreal, Que.
106834	Acadia.....	Montreal.....	Schr—Glt.....	1895	38 8	12 6	4 7	13	Zaphirin Asselin, St. Fannille, Que.
89256	Acia.....	Chatham, N.B.....	Schr—Glt.....	1890	73 2	24 9	6 7	72	The W. J. Poupore Co., Ltd., Montreal, Que.
92748	Ada.....	Stokelyville.....	Schr—Glt.....	1896	72 0	24 2	8 9	78	S. Tremblin, Pictou Landing, N.S.
92517	Ada.....	St. Andrews.....	Schr—Glt.....	1888	26 0	11 0	5 0	423	Mrs. E. L. Matthews, Leonardville, N.B.
138793	Ada V. McIntyre.....	St. John, N.B.....	Schr—Glt.....	1918	147 9	35 1	12 7	31	Peter McIntyre, St. John, N.B.
88281	Ada J.....	Windsor, N.S.....	Schr—Glt.....	1881	46 4	16 5	6 9	100	David C. Hunter, Walton, N.S.
116900	Ada M. Westlaver.....	Lunenburg.....	Schr—Glt.....	1911	114 3	26 0	10 2	13	J. T. Duncan, Clarke's Harbour, N.S.
138395	Ada Tower.....	Yarmouth.....	Sloop.....	1904	34 0	12 0	6 2	328	Kelwood Shipping Corporation, Halifax, N.S.
138472	Adam B. Muekay.....	Parrsboro.....	Schr—Glt.....	1916	175 5	36 4	12 9	394	A. B. Muekay Steamship Co., Ltd., Hamilton, Ont.
126812	Adama C.....	Halifax.....	Schr—Glt.....	1917	117 4	35 1	12 1	17	Harold W. Durning, Five Islands, N.S.
407476	Adie B.....	Digby.....	Schr—Glt.....	1910	45 0	11 2	7 0	13	Lewis Connors, Black's Harbour, N.B.
103124	Adie B.....	St. Andrews.....	Sloop.....	1893	36 0	13 3	6 0	13	John Mulholland, Campbell, N.B.
121952	Adie M.....	Halifax.....	Schr—Glt.....	1905	29 0	11 3	5 0	11	Issac Morash, West Dover, N.S.
116803	Adel.....	Sorel.....	Schr—Glt.....	1905	73 5	18 6	4 4	43	J. L. B. Leclaire, Sorel, Que.
120693	Adelma.....	Chatham, N.B.....	Barge—Chld.....	1876	39 2	11 3	5 0	12	Patrick D. Blanchard, Caraquet, N.B.
1030650	Adeline Gladys.....	Chatham, N.B.....	Schr—Glt.....	1890	35 0	11 2	4 6	12	John Young, Tracadie, N.B.
103370	Admiral Togo.....	Maitland.....	Schr—Glt.....	1893	63 8	22 6	5 0	59	S. C. Murray, Albert, N.S.
116995	Admiral Togo.....	Quebec.....	Sloop.....	1905	90 6	20 5	5 4	42	C. Meiboh, Trois Saumons, Que.
121876	Adrian.....	St. Andrews.....	Sloop.....	1906	27 8	12 0	5 9	11	William and Walter Benson, Grand Manan, N.B.
80869	Adrienne.....	Yarmouth.....	Sloop.....	1892	36 0	12 2	7 0	51	O. D. VanAmburg, Pulpitac, N.S.
134292	Aeneas P.....	Pictou, N.S.....	Schr—Glt.....	1883	73 8	18 2	9 0	15	Edward Deeks, Charlottetown, P.E.I.
111511	Aeolus.....	Charlottetown.....	Schr—Glt.....	1914	48 0	12 4	6 0	20	Aeneas P. Campbell, Campbell's Cove, P.E.I.
122152	Aeolus.....	St. John, N.B.....	Sloop.....	1899	27 6	8 1	3 2	4	Arthur C. Fairweather, Rothesay, N.B.
92730	Aggie.....	Yarmouth.....	Sloop.....	1906	36 0	13 0	6 6	16	Clayton W. Hyman, Glenwood, N.S.
117168	Aggie CURTY.....	Toronto.....	Sloop.....	1887	47 3	12 0	5 4	13	Christopher Armstrong, Oakville, Ont.
112036	Aglae.....	Windsor, N.S.....	Schr—Glt.....	1908	51 0	14 6	6 2	21	Randal Merriman, Port Greville, N.S.
112576	Agnes.....	Quebec.....	Schr—Glt.....	1902	Grandes Bergeronnes, Que.		5 8	37	Wm. Chamberland, St. Simons, Que.
138552	Agnes B. Metcalsh.....	Arichat.....	Schr—Glt.....	1902	Scatterie Island N.S.....	39 5	10 7	15	James D. Dickson, Main-a-Dieu, N.S.
		Lunenburg.....	Schr—Glt.....	1917	111 8	26 5	10 5	116	William Duff, M. O., Lunenburg, N.S.

Formerly a steamer.

Formerly "Eddie J."

Formerly "Stevenson."

Formerly "Hugo."

Recovered wreck.

ALPHABETICAL LAST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless. Muni de la T.S.F. — Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant;

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant et adresse.
121700	Agnes E.	Yarmouth	Sloop	1901	Cape Island, N.S.	31 0	11 8	6 0	10	Frank F. Hawes, Canso, N.S.
78046	Agnes Hudson	Richibucto	Schr	1880	Richibucto, N.B.	34 8	12 6	1 2	9	R. T. Holman, Summerside, P. E.I.
116898	Agnes M.	Yarmouth	Sloop	1905	Tusket Wedge, N.S.	37 0	11 6	6 0	11	Geo. Donette, Tusket, N.S.
126898	Agnes Pauline	Yarmouth	Schr—Gh.	1911	Shelburne, N.S.	71 0	27 3	7 0	71	Henry C. Oultriches, Hamilton, Bermuda
138229	Agnes Walden	Montréal	Barge—Chd.	1916	Chatham, N.S.	126 0	22 0	9 8	225	St. Maurice Paper Co., Ltd., Montréal, Que.
114641	Aguedilla	Lancenburg	Schr—Gh.	1901	Lancenburg, N.S.	94 6	24 9	9 8	100	Chas. E. Bennett, Forteau, Nfld.
134591	Alleen Gladys	Hullifax	Schr—Gh.	1912	Ship Harbour, N.S.	45 0	13 0	9 0	16	M. McKinnon and C. Miller, Glace Bay, N.S.
72817	Amoko	Vietoria	Schr—Gh.	1911	Yokohama, Japan	75 5	21 8	7 7	75	Victoria Sealing Co., Ltd., Victoria, B.C.
130243	Amie	La Have	Schr—Gh.	1911	Liverpool, N.S.	112 4	26 9	10 0	98	W. Norman Reinhardt, M.O., La Have, N.S.
130597	Ann H.	Hullifax	Dredge—Drague	1907	Halifax, N.S.	55 0	20 6	6 0	11	The Nova Scotia Dredging Co., Ltd., Halifax, N.S.
114528	Arct.	Highly	Sloop	1901	Cape St. Mary's, N.S.	35 0	11 0	4 2	10	John McLean, Souris, P.E.I.
83974	Alaska	Charlottetown	Schr—Gh.	1906	Sumpstonville, N.S.	31 3	11 3	4 9	92	Robert Newcomb, Parrsboro', N.S.
117096	Albion	St. John, N.B.	Schr—Gh.	1882	Waterborough, N.B.	83 4	27 0	7 2	20	James H. Westhaver, Sheet Harbour, N.S.
122302	Allotta	Lancenburg	Schr—Gh.	1907	Lancenburg, N.S.	46 8	13 5	6 8	13	T. Ahler, Shippagan, N.B.
103881	Allotross	Chartham, N.B.	Schr—Gh.	1894	Shippagan, N.B.	35 3	12 3	5 1	13	T. Ahler, Shippagan, N.B.
100846	Allotross	Lancenburg	Schr—Gh.	1894	Melborne, Bay, N.S.	11 4	15 7	6 4	26	J. Arsenault, Little Bras d'Or, N.S., and John Pym, North Sydney, N.S.
92371	Allotross	St. John, N.B.	Schr—Gh.	1881	Greenwich, N.B.	60 3	19 2	7 2	45	P. E. Walton, Greenwich, N.B.
126152	Allotross	Sord.	Sloop	1909	Notre Dame de Pierrville, Que.	110 0	23 3	7 4	121	Georges Braudel, St. Jean des Châtillons, Que.
121818	Albert J. Latz.	Hullifax	Schr—Gh.	1908	Shelburne, N.S.	90 0	23 0	9 8	95	John T. Moulton, Bargo, Nfld.
107381	Albert W.	Chartham, N.B.	Schr—Gh.	1902	Miscon Head, N.B.	33 6	12 9	4 9	10	W. S. Legge Co., Ltd., Chatham, N.B.
138281	Albina	Ottawa	Snow—Chd.	1898	Ottawa, Ont.	40 5	12 2	2 0	6	Jas. Cunningham Wright, Hull, Que.
94625	Albion	Chartham, N.B.	Schr—Gh.	1916	Lamek, N.B.	110 0	24 8	5 8	29	Lucandre Chassain, Island River, Shippagan, N.B.
112266	Albys	Montréal	Barge—Chd.	1888	Romekand, Ont.	110 0	22 0	7 3	119	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
103968	Albys	Montréal	Sloop	1897	Pierreville, Que.	162 3	23 0	7 2	123	Amable Ladour, Notre Dame de Pierreville, Que.
116235	Alecyme	Digby	Schr—Gh.	1904	Shelburne, N.S.	82 2	19 0	5 1	65	Leopold Beauchemin, Notre Dame de Pierreville, Que.
112287	Alda	Digby	Schr—Gh.	1902	Shelburne, N.S.	78 0	19 2	8 0	52	Howard Anderson, M. O., Digby, N.S.
122039	Alda E.	Weymouth	Schr—Gh.	1904	Apple River, N.S.	27 0	10 5	6 0	11	H. B. McCormac, Sheet Beach, N.B.
907236	Alert	Charlottetown	Sloop	1908	Middle West Pubnico, N.S.	31 0	11 0	6 6	10	Frank Roberts, Liverpool, P.E.I.
122243	Alert	Port Hawkesbury	Schr—Gh.	1878	Boothbay, Me., U.S.A.	52 0	17 0	7 0	35	L. M. Peardon, Montague, P.E.I.
94823	Alert	St. Andrews	Schr—Gh.	1879	Little Harbour, N.S.	41 6	12 3	6 7	11	Wm. A. Keating, Port Mulgrave, N.S.
122436	Alert	Weymouth	Schr—Gh.	1860	Georgetown, N.B.	37 5	15 8	6 9	18	David J. Shear, Penfield, N.B.
122486	Alexander McLaurin	Quebec	Barge—Chd.	1889	Gilbert Cove, N.S.	108 0	26 8	12 0	229	G. J. Howison, New York, N.Y., U.S.A.
				1907	St. Alexis, Que.	106 0	22 5	7 8	162	John C. Kaano, Quebec, Que.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.
 LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant;

Official Number Numér. officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Circuitement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant et adresse.
122149	Alva.....	Barrington Passage.	Sloop.	1907	Cycle, N.S.	31 0	11 0	6 3	11	Albert H. Kenney, Barrington Passage, N.S.
94542	Alzora.....	Windsor, Ont.	Sloop—Clad.	1800	Belle River, Ont.	65 0	18 0	3 8	33	Louis Ulbrich, Belle River, Ont.
116217	Anable.....	Quebec.	Sloop.	1890	Montmagny, Que.	53 6	20 8	5 0	33	Anable Fournier, Montmagny, Que.
92374	Amazilia S.	St. John, N.B.	Schr—Glt.	1887	Rexton, N.B.	51 3	17 9	4 8	24	W. C. Perry, Dover, N.B.
126145	Amarine.....	Montreal.	Sloop.	1908	Sorel, Que.	106 6	23 2	7 3	131	Emile Charbon, Montreal, Que.
112101	Ambition.....	Lancaster.	Schr—Glt.	1902	St. John, N.S.	95 8	26 0	10 2	100	John Barton, Fortuna, Nfld.
107311	America.....	Halifax.	Schr—Glt.	1896	Stedburne, N.S.	75 0	20 5	9 4	57	Freeman Thomelin, et al., Ferrisburgh Cove, N.S.
107807	America.....	St. John, N.B.	Sloop.	1889	Grand Manan, N.B.	48 0	13 7	5 4	16	Freeman Robitson, Metegan, N.S.
94582	America.....	New Westminster.	Schr—Glt.	1887	Nanaimo, B.C.	53 0	16 3	4 3	32	Bernard Buck, Vancouver, B.C.
129638	Amorita.....	Vancouver.	Sloop.	1906	Seaside, Wash., U.S.A.	31 0	10 3	4 3	8	Wm. A. Templeton, Vancouver, B.C.
59372	Amos M. Hoell.	Digby.	Schr—Glt.	1912	Nanaimo, B.C.	110 1	35 4	7 0	190	Quinn & Robertson, Ltd., Montreal, Que.
130936	Angus W. Robertson.	Montreal.	Sloop—Clad.	1912	St. Patrick, N.B.	47 0	14 1	6 0	90	Angus W. Robertson, Ltd., Montreal, Que.
33213	Angus W. Turner.	Prince Rupert.	Bk—Bq.	1896	Boston, Mass., U.S.A.	171 0	55 4	21 6	401	J. W. Turner Shipping Co., Ltd., Victoria, B.C.
38283	Angela.....	Charleaux, N.B.	Schr—Glt.	1916	Tegashish, P.E.I.	41 5	13 8	5 5	17	John G. Perry, Tegashish, P.E.I.
103971	Anglo-sea.	Charleaux, N.B.	Schr—Glt.	1885	Charleaux, N.B.	58 0	22 0	5 0	12	H. LeBlondier, Charleaux, N.B.
107705	Anglo-Saxon	Toronto.	House boat.	1885	Pentlandsheugh, Ont.	82 4	22 9	7 1	91	Charles Brister, Halifax, N.S.
105482	Angola.....	Liverpool.	Schr—Glt.	1883	Jordan River, N.S.	8 6	13 0	6 1	16	Wm. Chevesey, Pictouville, N.S.
116522	Antea.....	Lancaster.	Schr—Glt.	1905	Limonburg, N.S.	32 6	13 0	6 0	11	Wm. Thovarsay, Pictouville, N.S.
107803	Antea.....	St. John, N.B.	Sloop.	1905	St. Andrews, N.B.	30 0	11 0	6 0	10	Essex Thovarsay, Grand Manan, N.B.
122093	Antea.....	Yarmouth.	Sloop.	1889	St. John, N.S.	37 0	13 2	6 0	12	Augustin Bourcier, Tracadie, N.S.
42419	Antea.....	Charleaux, N.B.	Schr—Glt.	1892	Shippigan, N.B.	35 2	12 8	5 0	11	Augustin Bourcier, Tracadie, N.S.
103973	Antea.....	Charleaux, N.B.	Schr—Glt.	1892	Shippigan, N.B.	35 2	12 8	5 0	11	Augustin Bourcier, Tracadie, N.S.
34592	Anna F.....	Sydney, N.S.	Sloop.	1915	Argosville, N.S.	37 0	13 1	6 3	11	Charles Brister, Charleaux, N.B.
80093	Anna K.....	St. John, N.B.	Schr—Glt.	1911	Greenwell, N.B.	32 0	13 2	6 8	9	Robert A. S. Haysley, Ingonish, N.S.
103455	Anna Maud	Kingston.	Schr—Glt.	1911	Port Daniel, P.Q.	32 0	13 2	6 8	14	Robert A. S. Haysley, Port Daniel West, Que.
42759	Annette.....	Quebec.	Schr—Glt.	1885	Greenwell, N.B.	32 0	13 2	6 8	14	Robert A. S. Haysley, Port Daniel West, Que.
57260	Annette.....	Quebec.	Schr—Glt.	1911	Greenwell, N.B.	32 0	13 2	6 8	14	Robert A. S. Haysley, Port Daniel West, Que.
75888	Annie.....	Charleaux, N.B.	Schr—Glt.	1889	Greenwell, N.B.	32 0	13 2	6 8	14	Robert A. S. Haysley, Port Daniel West, Que.
94597	Annie.....	Victoria.	Sloop.	1889	Vancouver, B.C.	32 0	13 2	6 8	14	Robert A. S. Haysley, Port Daniel West, Que.
83030	Annie.....	Windsor, Ont.	Barge—Clad.	1883	Vancouver, B.C.	62 6	25 2	6 4	21	M. Black, J. R. Rivière Rouge, Rouine, Labrador.
103061	Annie.....	Yarmouth.	Schr—Glt.	1895	Saltmon River, N.S.	31 0	14 0	4 7	7	M. Black, J. R. Rivière Rouge, Rouine, Labrador.
111122	Annie B.....	Halifax.	Schr—Glt.	1901	Port Felix, N.S.	49 2	16 4	7 7	26	Ben. Gillison, Salmon River, N.S.

No.	Name	Type	Tonnage	Length	Breadth	Depth	Speed	Owner	Home Port	Agent
111879	Annie B.	Sloop	41	14	9	6	6	E. B. Nickerson, Yarmouth, N.S.		
138474	Annie B. Anderson	Schr—Glt	154	35	4	12	0	The "Annie B. Anderson" Co., Ltd., Sherbrooke, N.S.		
116344	Annie B. M.	Schr—Glt	41	13	6	10	0	Alex Kerwin, Canis, N.S.		
103830	Annie Bennett	Schr—Glt	30	13	6	5	6	Michael Bennett, and Mrs. Annie J. Bennett, Black Cape, Que.		
80627	Annie D.	Schr—Glt	73	23	0	7	9	Lorenzo Fortier, West Archaic, N.S.		
135393	Annie F.	Schr—Glt	103	24	2	10	2	Joseph Connal, M.O., Halifax, N.S.		
100358	Annie F.	Schr—Glt	103	24	2	10	2	John Farrell, Main-de-Dieu, N.S.		
75827	Annie G.	Schr—Glt	58	18	8	8	8	J. Rogers, Fortuna, Nfld.		
126380	Annie G.	Schr—Glt	37	10	8	8	8	John E. May, Owl's Head, N.S.		
126585	Annie L. Spindler	Schr—Glt	163	40	8	14	8	Byron Ritcey, <i>et al.</i> , Riverport, N.S.		
61595	Annie Louisa.	Schr—Glt	56	16	0	8	5	Thomas Comtway <i>et al.</i> , Maripolis Cove, N.S.		
121921	Annie M.	Schr—Glt	55	13	8	6	5	Andrew H. Olsen, Port Hawkesbury, N.S.		
107786	Annie M.	Schr—Glt	55	13	8	6	5	Walter Perry, Tannis, P.E.I.		
100960	Annie M.	Schr—Glt	36	12	3	4	8	W. S. Loggie Co., Ltd., Chatham, N.B.		
107060	Annie M.	Sloop	42	14	3	4	4	Edward McGinnag, Jr., St. John, N.B.		
138125	Annie M. Nadeau.	Schr—Glt	101	6	25	6	1	C. H. Nadeau, Port Daniel East, Que., and C. G. Tyrer, Halifax, N.S., J.O.		
111737	Annie M. W.	Schr—Glt	90	21	3	9	3	Edgerton Ritcey, M.O., Riverport, N.S.		
103463	Annie May	Schr—Glt	30	13	4	9	3	Henry Le Lachair, Martinique, N.S.		
111526	Annie May	Schr—Glt	48	11	3	5	8	David Sabours, Port Lorne, N.S.		
121933	Annie May.	Schr—Glt	28	11	3	6	6	John A. Gerrard, M.O., Spry Bay, N.S.		
90195	Annie S.	Schr—Glt	49	17	6	0	3	David A. Boudro, Port Felix, N.S.		
121890	Annie Smith.	Sloop	31	12	0	6	0	E. P. Crowell, Port Latour, N.S.		
80992	Annie W.	Schr—Glt	37	11	4	4	4	Elphat Walters, Wine Harbour, N.S.		
103391	Annie & Lillie.	Sloop	26	12	5	6	5	Joseph Hall, Grand Manan, N.B.		
137912	Anonide	Schr—Glt	44	10	15	6	1	Theotime Gallion, Caraquet, N.B.		
72596	Antonie Anser	Barge—Chld	151	0	35	6	2	Auger & Son, Ltd., Quebec, Que.		
120378	Arab Boy	Sloop	29	5	8	8	1	Hugh Laborde, Halifax, N.S.		
100957	Arabi.	Schr—Glt	31	6	13	1	5	P. Rice, Caraquet, N.B.		
121652	Arabi.	Sloop	33	0	16	6	0	Eloi J. Leblanc, M.O., Tusket Wedge, N.S.		
131165	Arabi.	Schr—Glt	106	8	26	3	10	W. P. Cresser, <i>et al.</i> , Riverport, N.S.		
131017	Aranka.	Schr—Glt	37	6	25	0	10	Robert Hiltz, M.O., Indian Point, N.S.		
130818	Araucania.	Schr—Glt	103	0	25	5	10	Robin Jones & Whitman, Ltd., <i>et al.</i> , Halifax, N.S.		
121913	Arcaide	Sloop	109	0	23	2	7	Acapit Danes, Notre Dame de Pierreville, Que.		
131176	Arcaida	Schr—Glt	106	8	26	3	10	Henry Adams, M.O., Lunenburg, N.S.		
100612	Ardeila	Schr—Glt	27	12	0	6	6	Peter M. Crowe, Sibleburne, N.S.		
135065	Arena	Schr—Glt	42	10	6	5	6	Edward S. Marryatt, M.O., Pement, N.S.		
96739	Arenine	Schr—Glt	37	13	0	5	4	O. Gionet, Caraquet, N.B.		
121698	Argo.	Sloop	32	11	0	6	0	Theophilus Jacquard, Conseau's Hill, N.S.		
83178	Argyle.	Schr—Glt	37	12	5	2	2	James T. Hinde, and Wm. F. Hinds, J.O., Letang, N.B.		
111762	Arivade	Schr—Glt	57	6	15	4	0	William K. Smith, Kingston, Ont.		
103617	Arivade	Schr—Glt	56	3	15	3	1	J. McIntosh, South Marysburg, Ont.		
112102	Ariade.	Schr—Glt	63	4	19	1	4	Jno. S. Clifford, Tiverton, N.S., and Robin, Jones & Whiteman, Ltd., Halifax, N.S.		
103487	Ariadne.	Yawl—Yole.	46	8	15	2	7	William J. Henry, Quatsno, B.C.		
107078	Ariel.	Sloop	27	10	8	4	4	R. Matthews, St. John, N.B.		
85756	Aristile.	Schr—Glt	40	8	15	2	6	Louis St. Hilaire, Baie St. Paul, Que.		
112314	Aritus.	Sloop	34	13	0	7	8	Ralph Colson, Campbellton, N.B.		
82307	Arizona.	Schr—Glt	84	0	25	0	9	Lawrence Laignon, Souris, P.E.I.		
72937	Ark.	Schr—Glt	175	6	35	6	10	The Montreal Lightering Co., Ltd., Montreal, Que.		
135290	Arma.	Schr—Glt	35	10	4	3	1	Joseph H. Legere, Caraquet, N.B.		
107439	Arma.	Sloop	36	12	5	2	5	Judson L. Gupthil, Grand Manan, N.B.		
121913	Arma 8.	Sloop	39	11	4	6	6	Henry H. Cheney, Grand Manan, N.B.		
121695	Arma 8.	Sloop	29	10	3	4	0	Samuel Epstein, Yarmouth, N.S.		
102905	Arma 8.	Schr—Glt	75	0	22	0	7	Benjamin Lavandiere, West Archaic, N.S.		
85691	Arrow.	Schr—Glt	41	4	13	2	0	William Daly, Bathurst, N.B.		

*Foreign name "Imp." †Formerly "Clereokee."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless Minit de la T.S.F. Abbreviations: J.O., Joint owners propriétaires conjoints; M.O., Managing owner propriétaire gérant;

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'inscription	Build Construit en	Where Built Lieu de construction	Length in feet and inches Longueur en pieds et Toises	Breadth in feet and inches Largeur en pieds et Toises	Depth in feet and inches Profondeur en pieds et Toises	Registered tonnage Tonnage enregistré	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant et adresse.
13432	Arseneau Brothers	Charlevoix, N.B.	1911	Green Point, N.B.	34 6	10 0	4 6	10	Joseph E. Arseneau, Green Point, N.B.
103068	Arthur	Montreal	1890	Sorel, Que.	86 7	19 5	4 4	58	Joseph Paul, Sorel, Que.
121946	Arthur	Sorel	1907	Sorel, Que.	109 0	22 8	9 6	198	La Cie de Navigation St. Laurent Richelieu, Ltd., Montreal, Que.
111927	Arthur	Toronto	1873	Manitowac, Wis., U.S.A.	118 0	26 2	11 3	327	Abbonse A. Larocque, Montreal, Que.
138718	Arthur J. Palfour	Lunenburg	1917	Dayspring, N.S.	106 6	26 0	10 8	99	William Duff, M.O., Lunenburg, N.S.
96945	Arthur M.	St. John, N.B.	1890	St. Martins, N.B.	77 3	25 9	7 6	97	Charles H. Smythe and Patrick McGrath, Parrishoro, N.S.
91889	Asia	Montreal	1912	Pierreville, Que.	107 0	23 3	9 6	79	Elise Daneau, Notre Dame de Pierreville, Que.
125886	Aspide	Port Medway	1909	Puduroit, N.S.	37 0	14 8	6 4	14	Thomas Wilcox, Louisbourg, N.S.
107136	Asthoire	St. Andrews	1890	Calais, N.S.	15 8	6 3	1 6	1	W. B. Ganon, St. Stephen, N.B.
138281	Asra	Charlevoix, N.B.	1916	Larnek, N.B.	40 0	10 5	4 3	12	Joseph Baudins, Little Shipigan, Shipigan Is., N.B.
138242	Aurama	Lunenburg	1916	Madone Bay, N.S.	102 6	26 2	10 2	96	J. Ernst & Son, Ltd., Malbone Bay, Shipigan Is., N.B.
134118	Azani No. 1	New Westminster	1903	Steveston, B.C.	50 0	16 0	4 0	23	Tsuan-tai-sue Akagi, Steveston, B.C.
126131	Azobor	Halifax	1908	Bedford, N.S.	63 8	19 7	8 2	63	R. J. Leslie Co., Ltd., Antwerp, M. I., Que.
121895	Azobor	Quebec	1906	Shedburne, N.S.	38 0	13 0	5 7	27	John C. Cook, Grand Harbour, N.B.
111187	Azulate	Quebec	1879	Philadelphie, Pa., U.S.A.	153 6	25 2	9 6	371	Joseph Guertin, St. Joseph de Sorel, Que.
105828	Atlas	Victoria	1882	Victoria, B.C.	115 5	33 0	9 2	176	Pacific Barge Co., Ltd., Victoria, B.C.
138231	Atlas	Montreal	1881	Buffalo, N.Y., U.S.A.	227 5	33 0	13 1	788	The Barge Ireland Co., Ltd., Montreal, Que.
116921	Atlin	Victoria	1904	White Horse, Y.T.	58 0	18 0	4 0	34	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
103996	Au revoir	St. Andrews	1897	West Isles, N.B.	110 0	33 8	5 0	15	Fredk. S. Russell, Grand Manap, N.B.
131181	Aurora	Peterborough	1912	Peterborough, Ont.	35 0	27 4	7 1	190	The Minister of Railways and Canals, Ottawa, Ont.
107693	Augusta Evelyn	Yarmouth	1900	Bellevue's Cove, N.S.	53 0	17 5	7 0	31	Jas. J. Duncan, Deep Cove, N.S.
100260	Augusta	Quebec	1890	St. Thomas, Que.	67 5	21 4	5 6	49	Evan John Price, Quebec, Que.
93919	Auratus	Kingston	1886	Garden Island, Ont.	177 5	39 6	15 0	802	Abbonse A. Larocque, Montreal, Que.
97134	Aurora	Quebec	1896	Mille Isles, Que.	38 8	14 8	4 6	14	J. L. Frenet, Bonne Esperance, Labrador.
91227	Aurora	St. John, N.B.	1889	Hall's Harbour, N.S.	40 8	15 5	6 0	22	Halle Biehow, Canning, N.S.
72058	Aurora	Quebec	1873	Yanussien, Que.	102 4	23 2	7 5	127	Alexander Leplante, Leclaine, Que.
90795	Aurora	Yarmouth	1889	Mayne Island, B.C.	66 7	18 4	6 4	11	The Canadian Fishing Co., Ltd., Vancouver, B.C.
138814	Austin B	Yarmouth	1890	Puduroit, N.S.	81 1	23 2	7 6	86	Edward Bosswell and Allan McLean, Victoria, P.E.I.
83169	Austin P	Lunenburg	1904	Lunenburg, N.S.	40 4	10 8	5 1	10	Archibald Hamilton, West Dublin, N.S.
91791	Aurum Bell	St. Andrews	1882	West Isles, N.B.	32 0	13 5	6 0	12	Chas. W. Stowart, West Isles, N.B.
92500	Aurum	Richibucto	1888	Richibucto, N.B.	37 2	13 4	5 0	15	John Robertson, Rexton, N.B.
88699	Avenue	Windsor, N.S.	1888	Advocate, N.S.	93 9	28 2	7 9	116	J. Willard Smith, St. John, N.B.
		St. John, N.B.	1885	Waterborough, N.B.	65 4	23 0	6 1	51	Wm. N. Dorost, Cambridge, N.B.

SESSIONAL PAPER No. 22

130083	Aviator.....	Chatham, N.B.	Schr—Glt.	1912	Caraguet, N.B.	37 0	14 3	6 0	17	Peter S. Lamontagne, Caraquet, N.B.
101501	St. John, N.B.	St. John, N.B.	Sloop	1895	North Yarmouth, Me., U.S.A.	31 0	8 2	2 9	4	John B. Cudlip, St. John, N.B.
101502	St. Andrews	St. Andrews	Sloop	1896	West Yarmouth, N.B.	35 0	12 4	4 8	13	L. H. Banerly, Grand Manan, N.B.
101824	Avia Pauline	Barrington Passage	Sloop	1903	Charles Harbour, N.S.	31 0	6 3	5 3	12	Peter M. Nickerson, Charles Harbour, N.S.
103216	Avon	Ottawa	Sloop—Chd	1890	Buckingham, Que.	50 0	14 4	7 3	36	George Botwell, Buckingham, Que.
134041	Azameda	Danaburg	Schr—Glt	1913	Dayswater, N.S.	59 0	15 8	9 0	35	Benjamin Cleveland, Dayswater, N.S.
110096	B.	Ottawa	Barge—Chd	1903	Barry's Bay, Ont.	50 0	12 0	4 0	16	The Canada Cornum Co., Ltd., Toronto, Ont.
122529	B. H.	Vancouver	Sloop—Chd	1907	Vancouver, B.C.	73 0	38 0	8 0	45	Bermain Steamship Co., Ltd., Vancouver, B.C.
107928	B. No. 1	New Westminster	Sloop—Chd	1900	New Westminster, B.C.	73 0	38 0	6 0	123	The B. C. Mills Timber & Trading Co., Vancouver, B.C.
111601	B. No. 2	New Westminster	Sloop—Chd	1891	New Westminster, B.C.	58 0	19 0	7 9	134	The B. C. Mills Timber & Trading Co., Vancouver, B.C.
133723	B. A. S. Co. No. 1	Vancouver	Sloop—Chd	1913	Vancouver, B.C.	48 3	27 2	7 9	136	Alex. Easler, et al., J.D., South Vancouver, B.C.
140025	B. B. No. 1	Vancouver	Sloop—Chd	1912	New Westminster, B.C.	48 3	28 0	7 3	148	Wm. Bartlett, Vancouver, B.C., and E. P. Bartlett, New Westminster, B.C.
100063	B. C.	Quebec	Schr—Glt	1891	St. Thomas, Que.	37 4	12 6	5 0	40	F. Caron, Montmagny, Que.
121982	B. C. No. 3	Victoria	Barge—Chd	1905	Ladners, B.C.	49 5	18 3	2 0	49	British Columbia Cannng Co., Ltd., London, Eng.
121983	B. C. No. 4	Victoria	Barge—Chd	1905	Ladners, B.C.	45 5	16 2	2 0	35	British Columbia Cannng Co., Ltd., London, Eng.
138524	B. C. E. Oil No. 111	Vancouver	Sloop—Chd	1912	Vancouver, B.C.	85 0	28 0	7 7	131	Vancouver Power Co., Ltd., Vancouver, B.C.
132824	B. C. S. S. G. Co. No. 1	Victoria	Sloop—Chd	1912	New Westminster, B.C.	97 4	40 2	9 6	165	Frank L. Buckley, Vancouver, B.C.
138725	B. C. T. No. 1	New Westminster	Sloop—Chd	1912	New Westminster, B.C.	90 0	30 7	2 0	166	Profrer's Roek & Gravel Co., Ltd., Victoria, B.C.
131196	B. C. T. No. 2	New Westminster	Barge—Chd	1912	New Westminster, B.C.	78 4	30 0	7 2	147	British Columbia Transport Co., Ltd., Vancouver, B.C.
138726	B. C. T. No. 3	New Westminster	Barge—Chd	1912	New Westminster, B.C.	79 6	29 0	7 0	148	British Columbia Transport Co., Ltd., Vancouver, B.C.
138727	B. C. T. No. 4	New Westminster	Sloop—Chd	1912	New Westminster, B.C.	78 1	30 0	7 2	148	British Columbia Transport Co., Ltd., Vancouver, B.C.
138728	B. C. T. No. 5	New Westminster	Sloop—Chd	1912	New Westminster, B.C.	78 1	30 0	7 2	148	British Columbia Transport Co., Ltd., Vancouver, B.C.
134191	B. C. T. No. 6	New Westminster	Sloop—Chd	1912	New Westminster, B.C.	78 4	30 0	7 2	147	British Columbia Transport Co., Ltd., Vancouver, B.C.
107720	B. S. C. 2	Vancouver	Sloop—Chd	1899	New Westminster, B.C.	79 6	29 0	7 0	147	B.C. Transport Co., Ltd., London, G.B.
107720	B. S. C. 3	Vancouver	Sloop—Chd	1899	New Westminster, B.C.	79 6	29 0	7 0	147	B.C. Transport Co., Ltd., London, G.B.
111607	B. S. M. No. 7	New Westminster	Barge—Chd	1893	New Westminster, B.C.	52 0	12 3	3 7	21	Geo. W. Dawson, Vancouver, B.C.
100317	B. and C.	Digby	Sloop—Chd	1917	Public Landing, N.B.	40 0	15 0	4 0	64	The Brunette Sawmill Co., Ltd., New Westminster, B.C.
108254	B. B. No. 1	St. John, N.B.	Sloop—Chd	1917	Public Landing, N.B.	42 4	23 0	5 3	14	John Brown, Public Landing, N.B.
120626	B. B. Buckbooth	Oxen Sound	Barge—Chd	1873	East Saginaw, Mich., U.S.A.	155 0	28 8	49 0	311	Rixon Anshie Stoddart Co., Ltd., Owen Sound, Ont.
100018	B. B. Hardwick	Annapolis Royal	Schr—Glt	1897	Clementsport, N.S.	96 5	38 2	9 0	123	Joshua E. Backman et al., Riverport, N.S.
108129	B. C. T. B.	Quebec	Schr—Glt	1916	Anse St. Jean, P.Q.	73 0	27 6	6 9	75	Jos. Boudreault and Jos. Tremblay, J. O., Anse St. Jean, Que.
108258	B. & B. Holland	Halifax	Schr—Glt	1897	Duncan's Cove, N.S.	52 8	14 4	7 2	26	James Dunn, North Sydney, N.S.
123966	B. B. Poutington	Montreal	Sloop	1881	Halifax, N.S.	239 8	38 3	11 3	168	Canada Steamship Lines, Ltd., Montreal, Que.
130066	B. Donatison	Ottawa	Barge—Chd	1881	Hull, Que.	111 2	22 5	7 8	162	John O'Toole, Ottawa, Ont.
120471	B. Jax	Halifax	Barge—Chd	1911	New Westminster, B.C.	95 0	32 0	9 0	249	Vancouver Machinery Depot, Ltd., Vancouver, B.C.
107000	Baltre	Toronto	Sloop	1909	Halifax, N.S.	31 0	8 4	4 0	5	Francis Hugh Bell, Halifax, N.S.
253116	Barumbal	Vancouver	Barge—Chd	1856	Philadelphia, Pa., U.S.A.	136 0	22 0	9 0	194	John Galbra and R. W. Dunter, J.O., Parry Sound, Ont.
723069	Barbara Ritchie	Arched	Barge—Chd	1856	Victoria, B.C.	177 0	33 6	8 5	763	Kansley Navigation Co., Ltd., Vancouver, B.C.
102567	Barge No. 1	Ottawa	Schr—Glt	1896	Komolank, Me., U.S.A.	72 6	20 4	7 3	63	Jas. Byrne, St. Lawrence, Nfld.
102568	Barge No. 2	Ottawa	Barge—Chd	1898	Hull, Que.	50 4	31 9	4 9	49	H. P. Cunningham and J. B. McMillan, J.O., Cornwall, Ont.
102569	Barge No. 3	Ottawa	Barge—Chd	1898	Hull, Que.	81 0	29 0	5 0	60	Wm. Lawlor, Hawkesbury, Ont.
102570	Barge No. 4	Ottawa	Barge—Chd	1898	Hull, Que.	81 0	29 0	5 0	60	Wm. Lawlor, Hawkesbury, Ont.
98301	Barouda	Vancouver	Barge—Chd	1891	Dundarton, G.B.	237 5	36 2	21 5	1,353	Contractor's Supply Co., Ltd., Ottawa, Ont.
139126	Barricouta	St. Andrews	Sloop—Chd	1857	Sheburne, N.S.	32 2	10 5	4 3	9	William Hope, Montreal, Que.
116212	Barrington	Ottawa	Lo—Slop	1903	Path, Me., U.S.A.	75 0	22 4	9 8	81	The Minister of Marine and Fisheries, Ottawa, Ont.
112583	Basroland	Laverpool	Schr—Glt	1903	Laverpool, N.S.	116 9	29 0	8 4	390	Reynolds Harrington, et al., Sydney, N.S.
97188	Bay Queen	Barrington Passage	Schr—Glt	1891	Mount Denison, N.S.	51 0	16 2	6 5	42	E. B. Nickerson et al., Port Clyde, N.S.
136711	Beacon Bar	St. John, N.B.	Dredge—Drage	1891	St. John, N.B.	77 6	30 3	6 0	197	Thomas Bell, St. John, N.B.
124385	Beatrice	Arched	Schr—Glt	1898	Queensport, N.S.	38 0	10 2	6 1	11	Geo. Henshew, Half Island Cove, N.S.
110828	Beatrice	Barrington Passage	Sloop	1903	Clarke's Harbour, N.S.	32 6	12 0	6 1	12	Frank A. Swim, Clarke's Harbour, N.S.

¹Formerly "Aloua." ²Formerly "Montcalm." ³Formerly "Russell Sage." ⁴Formerly a steamer. ⁵Formerly "Aloua." ⁶Formerly "Aloua." ⁷Formerly R. P. Rithed and a steamer. ⁸Foreign name "Sauges." ⁹Foreign name "Samuel C. Hart."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

©Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant;

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	When Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner of Managing Owner, and Address. Armateur ou propriétaire gérant et adresse.
97077	Beatrice	Charlottetown	Schr—Glt	1893	Souris, P.E.I.	32 8	11 1	5 3	8	James Taylor, New Glasgow, N.S.
117155	Beatrice	Charlottetown	Schr—Glt	1905	Elm Tree, N.B.	65 0	19 0	7 5	51	Camille Delaney, House Harbour, Magdalen Islands, Que.
85345	Beatrice	Charlottetown	Schr—Glt	1883	Lanenburg, N.S.	74 4	25 6	8 4	70	Alfred Manley, Halifax, N.S.
116672	Beatrice	St. Andrews	Sloop	1897	West Isles, N.B.	36 6	13 8	6 4	19	Henry Benson, Grand Manan, N.B.
138789	Beatrice No. 3	Victoria	Barge—Chd	1912	Victoria, B.C.	75 3	26 2	6 6	106	John J. Goodwin, Victoria, B.C.
138790	Beatrice No. 4	Victoria	Barge—Chd	1912	Victoria, B.C.	75 3	26 2	6 6	106	John J. Goodwin, Victoria, B.C.
128028	Beatrice Donovan	Sydney, N.S.	Schr—Glt	1909	Ingonish, N.S.	39 0	12 5	6 2	18	Robin, Jones & Whitman, Ltd., Halifax, N.S.
116498	Beatrice S. Mack	Gaspe	Schr—Glt	1912	Lanenburg, N.S.	92 4	24 8	10 0	99	H. J. Hyman et al., J.O., Gaspe, Que.
100056	Beaver	Charlottetown	Schr—Glt	1890	Perry's Point, N.B.	117 8	28 0	9 2	122	Arnold Rothenburg, Charlottetown, P.E.I.
130634	Beaver	St. John, N.B.	Dredge—Draque	1903	Shelburne, N.S.	104 8	40 6	10 0	53	The Beaver Dredging Co., Ltd., St. John, N.B.
112160	Beaver II	Charlottetown	Schr—Glt	1903	Shelburne, N.S.	58 0	21 8	6 5	53	Robert Loggie, M.O., Loggieville, N.B.
111943	Beaver No. 3	New Westminster	Barge—Chd	1900	Blaine, Wash., U.S.A.	55 0	13 0	5 0	22	National Packing Co., Vancouver, B.C.
100983	Bee	Charlottetown	Schr—Glt	1888	Caraque, N.B.	35 6	12 0	6 6	11	C. Robin Collas, & Co., Ltd., Halifax, N.S.
138131	Beechland	Annapolis Royal	Schr—Glt	1917	Annapolis Royal, N.S.	170 5	35 0	12 9	420	Thomas and William Harling, Montreal, Que.
72986	Belknap	Wallaceburg	Barge—Chd	1874	Port Huron, Mich., U.S.A.	81 5	19 0	4 3	46	William H. Bidden, et al., J.O., Chatham, Ont.
122109	Bella	Yarmouth	Sloop	1906	Tusket Wedge, N.S.	36 0	13 0	7 0	18	Ulysses J. Amiro, Pubnico, N.S.
116393	Bella Rose	Charlottetown	Schr—Glt	1905	Bayfield, P.E.I.	41 6	13 6	5 8	21	John S. Fraser, Trenton, N.S.
69717	Bellas	Quebec	Bk—Bt	1875	White Haven, G.B.	203 4	32 4	19 6	851	The Governor General of Canada, Ottawa, Ont.
71141	Bella	Charlottetown	Schr—Glt	1876	Lower Dublin, N.S.	52 0	17 3	7 0	31	Wm. Cameron et al., Pictou, N.S.
116990	Belle Hanson	Sarnia	Barge—Chd	1874	Toledo, O., U.S.A.	129 5	24 6	10 5	299	The Reid Wrecking Co., Ltd., Sarnia, Ont.
130770	Belle Mahone	Kingston	Sloop	1905	Grindstone Island, N.Y., U.S.A.	47 2	13 6	4 4	18	Rodney Busch, Stineco Island, Ont.
83050	Bellmont	Shelburne	Schr—Glt	1882	Shelburne, N.S.	63 0	20 5	7 9	54	Jos. McGill, Shelburne, N.S.
134239	Ben B	Montreal	Scow—Chd	1913	Montreal, Que.	71 2	22 1	4 3	156	Quinlan & Robertson Ltd., Montreal, Que.
103072	Ben Hur	Chartham, N.B.	Schr—Glt	1892	Tracadie, N.B.	34 0	12 2	5 2	11	Adolf LeClere and John LeClere, Caraquet, N.B.
117192	Ben Lomond	Kenora	Barge—Chd	1897	Kooevatin, Ont.	50 0	20 5	4 4	45	H. J. Davis, Kenora, Ont.
134368	Benjamin Harrison	Sorel	Barge—Chd	1889	Mount Clements, Mich., U.S.A.	172 6	32 4	12 1	508	Joseph Guertin, St. Joseph de Sorel, Que.
96787	Benedicta Boy	Halifax	Schr—Glt	1889	Straits of Canso, N.S.	34 2	10 8	6 6	11	Michael Smith, Harbour au Bouche, N.S.
130468	Benjamin C. Smith	Lanenburg	Schr—Glt	1911	La Hève, N.S.	105 8	26 6	10 2	100	Benjamin Smith, M.O., Lanenburg, N.S.
137929	Benoit	Chartham, N.B.	Schr—Glt	1915	Little Lamek, N.B.	31 0	11 0	5 6	11	C. Duguay, Little Lamek, N.B.
88390	Bernadette	Quebec	Schr—Glt	1883	Baie St. Paul, Que.	43 8	16 5	6 5	28	Mrs. Lucy Boly, Baie St. Paul, Que.
107237	Bernadette	Quebec	Sloop	1898	Ile aux Grues, Que.	35 0	13 8	4 4	13	Jos. Lachance, Ile aux Grues, Que.

Name	Type	Owner	Home Port	Net Tonnage	Registered Tonnage	Length	Breadth	Depth	Speed	Remarks
Bernard B. Conrad	Schr—Glt	Lunenburg	Mahone Bay, N.S.	113 8	25 8	10 3				91 Joseph Conrad, M.O., LaHave, N.S.
Bernice N.	Sloop	Yarmouth	Shelburne, N.S.	30 0	11 8	6 0				10 John C. Nickerson, M.O., Woods Harbour, N.S.
Bertha A.	Schr—Glt	Lunenburg	Lunenburg, N.S.	112 8	26 3	10 3				100 Henry W. Adams, M.O., Lunenburg, N.S.
Bertha B.	Schr—Glt	Lunenburg	Clyde, N.S.	34 0	12 0	6 0				101 LeRoy Selig, Port Medway, N.S.
Bertha C.	Schr—Glt	Halifax	Moser's River, N.S.	52 2	17 3	6 6				32 J. F. Guite, Maria, Que.
Bertha D.	Schr—Glt	Halifax	Liverpool, N.S.	44 4	16 3	6 6				21 W. H. Degest, White Point, N.S.
Bertha E.	Schr—Glt	Halifax	Chester, N.S.	45 0	15 3	5 4				14 J. Foster Reed, Halifax, N.S.
Bertha F.	Schr—Glt	Moncton	Shemogue, N.B.	43 0	15 3	4 1				13 Robert Wells, Anderson, N.B.
Bertha G.	Schr—Glt	St. John, N.B.	Waterborough, N.B.	71 6	26 3	6 8				82 St. John Sulphite Pulp Co., Ltd., Leven, G.B.
Bertha H.	Schr—Glt	St. Andrews	Dieby, N.S.	34 0	11 8	5 0				13 Judson I. Gupit, jr., Grand Manan, N.B.
Bertha I.	Schr—Glt	Barrington Passage	Eel Brook, N.S.	43 0	15 3	4 8				13 Fred Ellis, Lepreau, N.B.
Bertha J.	Schr—Glt	Kingston	Two Rivers, Wis., U.S.A.	134 4	27 3	9 3				227 R. G. K. Hornum and Thos. J. Vandusen, Pieton, Ont.
Bertha K.	Schr—Glt	Kingston	Plymouth, N.S.	78 8	24 0	6 2				88 Wm. M. Warner, Plympton, N.S.
Bertha L.	Schr—Glt	Dieby	Little Bras d'Or, N.S.	44 8	16 5	5 3				20 James Warburton, Glace Bay, N.S.
Bertha M.	Schr—Glt	Sydney	Blandford, N.S.	40 4	10 5	5 3				11 John O. Duggan, Upper Prospect, N.S.
Bertha N.	Schr—Glt	Lunenburg	Malbone Bay, N.S.	33 6	12 3	5 5				12 James Howard, Terrace Bay, N.S.
Bertha O.	Schr—Glt	Halifax	Carlton, N.B.	50 0	16 4	5 8				23 Mrs. S. A. Maskell, Jeddore, N.S.
Bertha P.	Schr—Glt	Halifax	Malbone Bay, N.S.	65 5	20 3	8 5				20 Andrew H. Olson, Port Hawkesbury, N.S.
Bertha Q.	Schr—Glt	Halifax	Murray Harbour, P.E.I.	31 6	12 3	4 5				10 Donald Locke, Church Point, N.B.
Bertha R.	Schr—Glt	Charlottetown	Tracadie, N.B.	31 6	12 3	4 5				17 J. C. Beck and L. H. Brebant, New Glasgow, N.S.
Bertha S.	Schr—Glt	Charlottetown	Point Prim, P.E.I.	39 6	12 3	5 4				15 F. S. McLaughlin, Grand Manan, N.B.
Bertha T.	Schr—Glt	Charlottetown	West Isles, N.B.	37 0	12 4	5 5				15 Arsene Massicotte, Deschailions, Que.
Bertha U.	Schr—Glt	St. Andrews	St. Jean Deschailions, Que.	97 4	25 3	7 6				97 Samuel H. Pyrie, Boydston, N.S.
Bertha V.	Schr—Glt	St. Andrews	Leedersville, Que.	81 3	23 6	9 2				97 Geo. B. Lockhart, New York, N.Y., U.S.A.
Bertha W.	Schr—Glt	St. Andrews	Summerside, N.S.	94 6	28 6	10 6				180 Geo. B. Lockhart, New York, N.Y., U.S.A.
Bertha X.	Schr—Glt	St. Andrews	Northport, N.S.	70 7	25 8	6 8				61 E. C. Gagnon, South Am Moncton, Que., and Joseph and J. A. Ross, Northport, N.S.
Bertha Y.	Schr—Glt	St. Andrews	Isle-aux-Grues, Que.	34 0	12 1	4 4				10 Mrs. Sarah Young and F. T. B. Young, J.O., Caraquet, N.B.
Bertha Z.	Schr—Glt	St. Andrews	Carlaquet, N.B.	106 4	34 1	5 7				161 The British Young Navigation Co., Ltd., Vancouver, B.C.
Bertha AA.	Schr—Glt	St. Andrews	White Horse, Y.T.	162 0	38 8	8 0				54 Hugh McIn, St. Stephen, N.B.
Bertha AB.	Schr—Glt	St. Andrews	Carlaquet, N.B.	81 7	23 3	5 1				135 Wm. J. & R. J. Wilson, Ltd., Montreal, Que.
Bertha AC.	Schr—Glt	St. Andrews	New Westminister, B.C.	31 0	11 3	4 1				12 Wm. J. & R. J. Wilson, Ltd., Montreal, Que.
Bertha AD.	Schr—Glt	St. Andrews	Charlottetown, P.E.I.	31 0	11 3	4 1				99 Ed. Aubin, Namur, B.C.
Bertha AE.	Schr—Glt	St. Andrews	Shelburne, N.S.	34 2	12 7	5 0				12 Edward Bossel and Albin McLean, Victoria, P.E.I.
Bertha AF.	Schr—Glt	St. Andrews	Carlaquet, N.B.	34 2	12 7	5 0				12 Robert Jones & Whitman, Ltd., Halifax, N.S.
Bertha AG.	Schr—Glt	St. Andrews	Carlaquet, N.B.	34 2	12 7	5 0				12 Melamed Wilkin, Caraquet, N.B.
Bertha AH.	Schr—Glt	St. Andrews	Carlaquet, N.B.	35 6	11 3	4 9				15 Simon Williams, Caraquet, N.S.
Bertha AI.	Schr—Glt	St. Andrews	Clyde, N.S.	31 0	11 3	4 6				17 J. E. Nickerson, Woods Harbour, N.S.
Bertha AJ.	Schr—Glt	St. Andrews	St. John, N.B.	25 2	22 3	8 3				87 Joseph Simard, M.O., Ste. Anne's Monts, Que.
Bertha AK.	Schr—Glt	St. Andrews	St. John, N.B.	31 0	11 3	4 4				70 Chas. Lyons, Charlottetown, P.E.I.
Bertha AL.	Schr—Glt	St. Andrews	Shelburne, N.S.	83 9	22 3	9 0				13 Robin Jones & Whitman, Ltd., Halifax, N.S.
Bertha AM.	Schr—Glt	St. Andrews	Carlaquet, N.B.	37 7	13 3	5 7				11 Annie F. Stevens, Grand Manan, N.B.
Bertha AN.	Schr—Glt	St. Andrews	Carlaquet, N.B.	39 1	14 2	5 0				11 J. Sewell, Caraquet, N.B.
Bertha AO.	Schr—Glt	St. Andrews	Carlaquet, N.B.	39 2	12 0	5 3				9 George E. Holliday, John, N.B.
Bertha AP.	Schr—Glt	St. Andrews	St. John, N.B.	31 0	12 5	5 0				10 J. B. Dakin and W. Urquhart, Grand Manan, N.B.
Bertha AQ.	Schr—Glt	St. Andrews	Tusket Wedger, N.S.	31 0	12 5	5 0				20 Robin Jones & Whitman, Ltd., Halifax, N.S.
Bertha AR.	Schr—Glt	St. Andrews	Carlaquet, N.B.	41 0	14 3	6 7				78 Geo. H.oombs, Charlottetown, P.E.I.
Bertha AS.	Schr—Glt	St. Andrews	Carlaquet, N.B.	78 6	25 6	8 2				13 John and Benjamin Carter, Sealeys Cove, N.B.
Bertha AT.	Schr—Glt	St. Andrews	West Isles, N.B.	30 4	13 0	6 6				19 Alonzo D. Felton, Caraquet, N.B.
Bertha AU.	Schr—Glt	St. Andrews	Carlaquet, N.B.	47 4	15 3	6 5				12 Frank Ingersoll, Grand Manan, N.B.
Bertha AV.	Schr—Glt	St. Andrews	Carlaquet, N.B.	37 7	13 3	5 7				14 Robert Moore, North Sydney, N.S.
Bertha AW.	Schr—Glt	St. Andrews	Little Bras d'Or, N.S.	44 4	14 4	5 7				70 Charles J. Striatt, Grand Manan, N.B.
Bertha AX.	Schr—Glt	St. Andrews	Conquerall, N.S.	73 5	23 0	8 7				2 H. V. Kent, Halifax, N.S.
Bertha AY.	Schr—Glt	St. Andrews	Charlottetown, N.S.	25 9	6 6	4 0				41 Thos. Fortier, West Arfield, N.S.
Bertha AZ.	Schr—Glt	St. Andrews	LaHave, N.S.	33 5	11 0	5 6				40 Romain Alphonse Godin, Miramichi, N.B.
Bertha BA.	Schr—Glt	Lunenburg	Almonette, N.B.	33 0	11 0	5 0				41 Aubrey G. Robb, Amherst, N.S.
Bertha BB.	Schr—Glt	Lunenburg	Lunenburg, N.S.	26 8	8 8	4 2				

* Formerly "Routenbeck." † Formerly "Onyx".

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada December 31, 1918.
 LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'inscription	Rig. Gréement	Built—Construct en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10 ^{es}	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es}	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es}	Registered Tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant et adresse.
103197	Bravo	Lunenburg	Schr—Glt.	1895	Lunenburg, N.S.	99.7	25.5	10.0	147	George A. Cruickshanks, Sydney, N.S.
129827	Breton	Quebec	Schr—Glt.	1906	LeBlanc, Que.	68.8	33.5	5.8	47	Hobbs Bois, Malabar, Que.
103954	Bridgton	Montreal	Schr—Glt.	1897	Kingsport, Ont.	179.6	24.7	11.4	607	Montreal Transportation Co., Ltd., Montreal, Que.
7-9888	Bristol	Windsor	Bk—Bul.	1878	Hamilton, N.S.	96.9	39.7	23.6	1,305	Gypsum Packet Co., Ltd., Windsor, N.S.
103780	Britannia	Charlham, N.B.	Schr—Glt.	1897	Carleton, N.B.	38.4	13.0	6.0	103	W. S. Loring Co., Ltd., Charlham, N.B.
103128	Britannia	St. Andrews	Sloop	1896	Grand Manan, N.B.	40.0	15.0	6.0	22	G. B. Cossaboon and David Sprule, Digby, N.S.
122520	Britannia	Vancouver	Sloop	1905	Nanaimo, B.C.	34.8	8.9	2.6	7	Sydney B. Smith, Vancouver, B.C.
103780	Britannia	Charlham, N.B.	Schr—Glt.	1892	Carleton, N.B.	37.1	12.6	5.0	12	W. S. Loring Co., Ltd., Charlham, N.B.
80377	British Lion	Windsor, Ont.	Schr—Glt.	1885	Pike Creek, Ont.	84.6	22.6	5.5	80	James Mess, Donnyville, Ont.
105079	British Queen	St. John, N.B.	Sloop	1887	St. John, N.B.	27.0	8.7	3.3	4	Charles King, St. John, N.B.
95915	British (The)	Pownansville	Schr—Glt.	1875	South Marysburg, Ont.	106.0	23.8	8.7	146	Charles E. Britton, Chatham, Ont.
107784	Brittania	St. John's	Horse ferry	1890	Green Point, Ont.	51.0	22.0	3.6	14	John McVea, Bristol, Ont.
103186	Brittania	Shedburne	Schr—Glt.	1896	Green Harbour, N.S.	35.5	11.5	4.7	11	Ross Esplan, Green Harbour, N.S.
137968	Brookdale	Montreal	Sloop	1888	West Bay City, Mich., U.S.A.	213.1	39.0	10.3	1,165	Canada Steamship Lines, Ltd., Montreal, Que.
111997	Brooklyn	Liverpool	Schr—Glt.	1901	Brooklyn, N.S.	116.2	30.4	11.8	247	C. E. Whidden, Antigonish, N.S.
132962	Brookside W.	Halifax	Schr—Glt.	1912	Cham Bay, N.S.	35.9	10.6	5.0	11	Walter Webber, Cham Bay, N.S.
126130	Brutus	Montreal	Dredge—Dredge	U.S.A.	U.S.A.	400.0	39.6	8.7	508	Michael J. O'Brien, Redway, Ont.
126170	Brutus No. 1	Montreal	Saw—Chd.	U.S.A.	U.S.A.	105.0	31.0	11.0	208	Michael J. O'Brien, Redway, Ont.
126372	Brutus No. 3	Halifax	Saw—Chd.	U.S.A.	U.S.A.	44.0	11.6	5.3	14	General Construction & Drilling Co., Ltd., Toronto, Ont.
107612	Brutus	Ottawa	Range—Chd.	1908	Dartmouth, N.S.	108.0	24.0	8.0	163	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
134193	Brutus XXXX	Ottawa	Range—Chd.	1907	Hull, Que.	158.1	27.9	8.6	193	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
103228	Buckingham	Ottawa	Dredge—Dredge	1893	Leysland, Holland	73.0	18.7	7.0	48	J. C. Gendreau (Entreprises Publiques, Lewis, Que.
101092	Bull	St. John, N.B.	Range—Chd.	1892	Buckingham, Ont.	51.9	17.7	4.4	35	Frank Ross, Quebec, Que., N.B.
122958	Buda	St. John, N.B.	Schr—Glt.	1892	Buckingham, N.S.	52.0	16.4	4.6	20	James Kennedy, St. John, N.B.
122958	Buda	St. John, N.B.	Schr—Glt.	1892	Buckingham, N.S.	54.9	16.4	4.6	36	James Kennedy, St. John, N.B.
85125	Buffalo	St. Catharines	Schr—Chd.	1908	Medelburg, N.S.	104.0	25.0	7.9	88	Donald Brothers, Ltd., Black's Harbour, N.B.
111767	Burns	Montreal	Schr—Glt.	1865	Port Robinson, Ont.	183.6	39.5	15.0	865	Abramam H. Pradley, Dunville, Ont.
124380	Butte	Weymouth	Schr—Glt.	1901	Garden Island, Ont.	73.0	13.9	5.0	31	The Montreal Transportation Co., Ltd., Montreal, Que.
122284	Butte No. 1	St. Ste. Marie	Saw—Chd.	1905	Church Point, N.S.	90.0	30.0	6.0	317	B. M. LeBlanc, et al., Weymouth, N.S.
134025	Butte No. 8	Victoria	Range—Chd.	1905	U.S.A.	66.0	24.0	5.2	137	Alfred Percival, Salt Ste. Marie, Ont.
116907	C.	Ottawa	Range—Chd.	1911	Victoria, B.C.	80.0	30.0	9.2	179	Albert Percival, Stoney, B.C.
129843	C. B. No. 1	Vancouver	Range—Chd.	1907	Rarry's Bay, Ont.	80.0	13.0	4.0	31	The Canada Cornium Co., Ltd., Toronto, Ont.
129843	C. B. No. 1	Vancouver	Saw—Chd.	1911	Vancouver, B.C.	80.2	35.0	6.0	223	Columbia Bittithe, Ltd., Vancouver, B.C.

SESSIONAL PAPER No. 22

137254	C. F. Co. 1	Vancouver	1912	Vancouver B.C.	72 3	24 1	5 2	86	The Canadian Fishing Co., Ltd., Vancouver, B.C.
137255	C. F. Co. 2	Vancouver	1912	Vancouver, B.C.	72 3	23 9	5 2	87	The Canadian Fishing Co., Ltd., Vancouver, B.C.
136386	C. J. B.	Quebec	1909	Escoumains, Que.	67 5	26 0	5 7	51	Charles Gagne, Grand Metis, Que.
131286	C. L. C. No. 1	Victoria	1913	Victoria, B. C.	67 0	26 0	5 5	70	Cameron Lumber Co., Ltd., Victoria, B.C.
131287	C. L. C. No. 2	Victoria	1913	Victoria, B. C.	67 0	28 0	6 5	113	Cameron Lumber Co., Ltd., Victoria, B.C.
83370	C. M. G. P.	Quebec	1882	Esquimaux Point, Que.	75 0	17 5	7 9	46	Joseph Boudrault, Anse St. Jean, Que.
72901	C. P. M.	Quebec	1880	River Bourgeois, N. S.	58 2	15 4	6 3	22	Desiré Burke, River Bourgeois, N. S.
111651	C. P. R.	Montreal	1892	St. Francois du Lac, Que.	105 6	22 6	8 6	116	Anselm Verville, St. Francois du Lac, Que.
126507	C. P. R. No. 1	Victoria	1909	Vancouver, B. C.	120 0	30 0	8 5	252	Canadian Pacific Railway Co., Montreal, Que.
126535	C. P. R. No. 2	Victoria	1908	Vancouver, B. C.	106 0	30 0	8 5	251	Canadian Pacific Railway Co., Montreal, Que.
134348	C. P. R. No. 100	Montreal	1898	Farmingdale, Me., U. S. A.	197 0	37 8	24 8	1273	Canadian Pacific Railway Co., Montreal, Que.
114465	C. R. C.	Chatham, N. B.	1901	Caracquet, N. B.	37 6	12 8	5 2	13	Robin, Jones & Whitman, Ltd., Halifax, N. S.
129577	C. S. B. D. and C.	Collingwood	1914	Collingwood, Ont.	130 0	30 0	10 7	359	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
134158	C. S. & G. No. 1	Montreal	1912	Beaulharois, Que.	145 5	28 5	6 8	284	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
134159	C. S. & G. No. 2	Montreal	1912	Beaulharois, Que.	141 1	28 8	6 9	283	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
134160	C. S. & G. No. 3	Montreal	1912	Beaulharois, Que.	142 3	28 2	7 0	283	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
134222	C. S. & G. No. 5	Montreal	1912	Beaulharois, Que.	98 7	15 9	2 2	10	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
131223	C. S. & G. No. 6	Montreal	1912	Beaulharois, Que.	36 5	34 3	6 5	185	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
138582	C. T. W. No. 1	St. John, N. B.	1911	Port Greville, N. S.	61 6	21 2	5 5	62	Charles T. White & Son, Limited, Apple River, N. S.
138583	C. T. W. No. 2	St. John, N. B.	1911	Port Greville, N. S.	61 6	21 2	5 5	62	Charles T. White & Son, Limited, Apple River, N. S.
138586	C. T. W. No. 3	St. John, N. B.	1912	Port Greville, N. S.	61 3	24 9	5 3	73	Charles T. White & Son, Limited, Apple River, N. S.
138587	C. T. W. No. 4	St. John, N. B.	1912	Port Greville, N. S.	61 3	24 2	5 3	74	Charles T. White & Son, Limited, Apple River, N. S.
138588	C. T. W. No. 5	St. John, N. B.	1912	Port Greville, N. S.	61 3	24 2	5 3	73	Charles T. White & Son, Limited, Apple River, N. S.
138589	C. T. W. No. 6	St. John, N. B.	1913	Port Greville, N. S.	65 0	24 5	6 4	84	Charles T. White & Son, Limited, Apple River, N. S.
138591	C. T. W. No. 7	St. John, N. B.	1913	Port Greville, N. S.	65 8	25 3	6 5	90	Charles T. White & Son, Limited, Apple River, N. S.
138592	C. T. W. No. 8	St. John, N. B.	1913	Port Greville, N. S.	65 8	25 3	6 5	90	Charles T. White & Son, Limited, Apple River, N. S.
138593	C. T. W. No. 9	St. John, N. B.	1913	Port Greville, N. S.	64 4	25 0	7 0	71	Charles T. White & Son, Limited, Apple River, N. S.
138594	C. T. W. No. 10	St. John, N. B.	1913	Port Greville, N. S.	65 6	25 2	6 1	87	Charles T. White & Son, Limited, Apple River, N. S.
138595	C. T. W. No. 11	St. John, N. B.	1913	Port Greville, N. S.	65 6	25 2	6 1	87	Charles T. White & Son, Limited, Apple River, N. S.
138596	C. T. W. No. 12	St. John, N. B.	1913	Port Greville, N. S.	65 6	25 2	6 1	87	Charles T. White & Son, Limited, Apple River, N. S.
138597	C. T. W. No. 13	St. John, N. B.	1913	Port Greville, N. S.	64 4	25 0	7 0	83	Charles T. White & Son, Limited, Apple River, N. S.
138598	C. T. W. No. 14	St. John, N. B.	1913	Port Greville, N. S.	64 4	25 0	7 0	83	Charles T. White & Son, Limited, Apple River, N. S.
138599	C. T. W. No. 15	St. John, N. B.	1913	Port Greville, N. S.	65 6	25 2	6 1	87	Charles T. White & Son, Limited, Apple River, N. S.
138600	C. T. W. No. 16	St. John, N. B.	1913	Port Greville, N. S.	65 6	25 2	6 1	87	Charles T. White & Son, Limited, Apple River, N. S.
138340	C. T. W. No. 17	St. John, N. B.	1911	Port Greville, N. S.	65 6	25 2	6 3	87	Charles T. White & Son, Limited, Apple River, N. S.
138701	C. T. W. No. 18	Vancouver	1911	North Vancouver, B. C.	83 1	28 0	6 8	136	The Corporation of the City of Vancouver, B. C.
138702	C. T. W. No. 19	Vancouver	1912	North Vancouver, B. C.	83 9	28 2	6 5	131	The Corporation of the City of Vancouver, B. C.
138703	C. T. W. No. 20	Vancouver	1912	North Vancouver, B. C.	83 9	28 2	6 5	131	The Corporation of the City of Vancouver, B. C.
116497	C. W. 1	Vancouver	1903	Vancouver, B. C.	59 9	29 9	6 0	122	S. K. Clouston and W. W. White, Vancouver, B. C.
117920	C. W. 2	Vancouver	1901	Vancouver, B. C.	79 0	24 0	6 0	188	S. K. Clouston and W. W. White, Vancouver, B. C.
129071	C. W. 3	Vancouver	1908	Vancouver, B. C.	72 0	24 0	6 0	188	S. K. Clouston and W. W. White, Vancouver, B. C.
132091	C. W. 4	Vancouver	1909	Vancouver, B. C.	81 8	28 9	7 4	176	William W. White, Vancouver, B. C.
133709	C. W. 5	Vancouver	1910	Vancouver, B. C.	69 0	28 6	7 2	134	William W. White, Vancouver, B. C.
133710	C. W. 6	Vancouver	1910	Vancouver, B. C.	69 2	22 1	7 5	171	William W. White, Vancouver, B. C.
94645	C. A. Chisholm	Lancaster	1888	Malone Bay, N. S.	77 2	32 8	9 0	78	J. C. MacDonald, Port Malcolm, N. S.
116333	C. A. Walters	Ottawa	1903	Hull, Que.	39 4	10 2	5 2	146	The Ottawa Walters, Middle La Have, N. S.
112375	C. E. Russell	Richelieu	1863	Cleveland, O., U. S. A.	38 7	11 4	6 1	146	The Ottawa Walters, Middle La Have, N. S.
117178	C. G. Munro	Windsor, Ont.	1901	Medford River, N. S.	139 5	30 4	10 4	373	Vincent Richard, Charles' Cove, N. S.
88588	C. W. James	Quebec	1884	Pierreville, Que.	105 3	22 9	9 0	825	W. J. Sullerst Smith, Gibraltar.
100596	C. B. Jones	Montreal	1891	Pierreville, Que.	111 9	22 8	8 1	826	W. J. Sullerst Smith, Gibraltar.
96550	C. B. Stewart	Ottawa	1887	Sorel, Que.	105 3	22 9	9 0	826	W. J. Sullerst Smith, Gibraltar.
126501	C. B. Richardson	Sydney, N. S.	1909	igonish, N. B.	111 9	22 8	8 1	172	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
138612	C. B. Hamilton	Chatham, N. B.	1917	Carleton, N. B.	105 3	22 9	9 0	826	W. J. Sullerst Smith, Gibraltar.
107236	C. B. Cadden	Yarmouth	1888	Port Maitland, N. S.	34 4	11 4	5 6	16	L. B. Albert, Carleton, N. B.
124495	C. B. Jones	Montreal	1909	Longue Point, Que.	38 0	13 3	5 6	16	James E. Perry, Port Maitland, N. S.
130400	C. B. Jones	Montreal	1910	Longue Point, Que.	32 1	10 5	5 6	336	Charles L. Hood, New Glasgow, N. S.
130401	C. B. Jones	Montreal	1910	Longue Point, Que.	32 1	10 5	5 6	336	Charles L. Hood, New Glasgow, N. S.
130402	C. B. Jones	Montreal	1910	Longue Point, Que.	32 1	10 5	5 6	336	Charles L. Hood, New Glasgow, N. S.
130403	C. B. Jones	Montreal	1910	Longue Point, Que.	32 1	10 5	5 6	336	Charles L. Hood, New Glasgow, N. S.
130404	C. B. Jones	Montreal	1910	Longue Point, Que.	32 1	10 5	5 6	336	Charles L. Hood, New Glasgow, N. S.
100988	C. B. Jones	Chatham, N. B.	1893	Shippagan, N. B.	105 0	28 6	9 3	252	Coastal Dredging & Construction Co., Ltd., Sydney, N. S.
97684	C. B. Jones	Quebec	1880	La Have, N. S.	34 3	13 0	4 6	10	P. Rive, Carleton, N. B.
					61 9	21 8	8 3	62	Thomas Simard, St. Alphonse de Chicoutimi, Que.

²Formerly "S. & J. Collier." ³Foreign name "Moravia." ⁴Foreign name "Two Brothers."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.
 LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F. —Abreviations—Acrónimos: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Reg. Gisement.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
190774	Calliope	Chatham, N.B.	Schr—Glt.	1892	Caraqueet, N.B.	37 8	11 0	5 0	12	P. Rive, Caraquet, N.B.
128452	Caribou	Pictou, N.S.	Schr—Glt.	1918	Dover John, N.S.	105 7	33 8	13 0	529	Shipping Service, Ltd., Halifax, N.S.
191698	Camille D.	Quebec	Schr—Glt.	1903	Lovers, Que.	84 5	25 8	6 0	197	Compagnie Maritime Du Bassant, Que.
191288	Campion	Lanenburg	Schr—Glt.	1903	Lanenburg, N.S.	88 8	24 0	6 2	90	Moses T. Kirkcaldie, Cayman Brac, Cayman Islands, B.W.I.
191753	Campbell	Port Hawkesbury	Schr—Glt.	1894	Chatham, N.S.	35 6	11 0	3 3	11	Robb, Jones & Whitman, Ltd., Halifax, N.S.
197533	Canada	St. John, N.B.	Schr—Glt.	1898	St. John, N.B.	36 2	11 4	3 3	8	Fred S. Heald, et al., St. John, N.B.
191262	Canada No. 3	Windsor	Schr—Glt.	1891	Kingsport, N.S.	227 0	45 0	24 7	1,889	The Gypsum Packet Co., Ltd., Windsor, N.S.
121886	Canadian	Toronto	Barge—Chd.	1916	Buffalo, N.Y., U.S.A.	46 0	18 0	8 9	113	Canada Ice Co., Ltd., Toronto, Ont.
181221	Canadian Northern	New Westminster	Barge—Chd.	1916	Port Mann, B.C.	46 0	11 0	6 73	673	Canadian Northern Steamships, Ltd., Toronto, Ont.
181225	Canadian Northern	New Westminster	Barge—Chd.	1916	Port Mann, B.C.	46 0	11 0	6 73	673	Canadian Northern Steamships, Ltd., Toronto, Ont.
80770	Candid	Quebec	Barge—Chd.	1881	Bathscan, Que.	102 3	22 5	5 5	23	Narouse Paul, Sord, Que.
74100	Candia	Archeat	Schr—Glt.	1877	Chezetcook, N.S.	43 2	10 2	7 0	14	André et John H. Poirer, D'Escoise, N.S.
131524	Cap.	Chatham, N.B.	Schr—Glt.	1914	Caraqueet, N.B.	86 0	23 6	5 0	98	Peter J. Fode, Caraquet, N.B.
116091	Cap. 3 la Roelle	Montréal	Schr—Glt.	1905	St. Jean Deschallions, Que.	94 0	23 6	7 2	98	André Laroche, St. Jean Deschallions, Que.
121787	Capital	Ottawa	Dredge—Drague	1905	Ottawa, Ont.	79 9	24 0	6 0	18	A. Marchildon, et al., Three Rivers, Que.
133716	Car. Mia	Toronto	Cutter	1910	Bristol, R.I., U.S.A.	50 0	10 0	5 5	173	Molyneux J. Gordon and V. Norman Smallpiece, Toronto, Ont.
130639	Caraqueet	Chatham, N.B.	Schr—Glt.	1911	Caraqueet, N.B.	38 0	14 0	6 2	19	Phyllis Dotron, Caraquet, N.B.
111718	Carl E. Richard	Lanenburg	Schr—Glt.	1901	Malome Bay, N.S.	87 8	25 2	10 4	99	James C. Skinner, Port Hastings, N.S.
134051	Carl S.	Lanenburg	Schr—Glt.	1914	Lanenburg, N.S.	90 2	25 7	9 4	82	Henry W. Adams, M.O., Lanenburg, N.S.
122385	Carm. 1088	Victoria	Barge—Chd.	1907	White Horse, Y.T.	120 0	38 7	5 5	211	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
88459	Carrolluc	Archeat	Schr—Glt.	1888	Dartmouth, N.S.	53 6	11 8	4 7	12	John B. Gernor, West Archaet, N.S.
134052	Carranza	Lanenburg	Schr—Glt.	1914	Sheburn, N.S.	102 0	25 0	10 0	99	Edmund Wallers, M.O., La Have, N.S.
88309	Carrie	Digby	Schr—Glt.	1881	Char, N.S.	32 0	11 4	4 6	22	Thomas Cook, Grand Manan, N.B.
97081	Carrie	Lanenburg	Schr—Glt.	1890	La Have, N.S.	30 4	21 4	9 2	99	Malcolm Munroe, New Harris, N.S.
94646	Carrie C. W.	Victoria	Schr—Glt.	1888	Malome Bay, N.S.	76 4	25 6	9 1	92	Albert Berquist, Victoria, B.C.
121886	Carrie D.	Yarmouth	Sloop	1905	Cape Island, N.S.	32 0	11 0	6 0	10	Thomas Duncan, Cape Island, N.S.
91693	Carrie H.	St. John, N.B.	Schr—Glt.	1890	Port Matland, N.S.	47 2	15 3	6 1	30	Norman Harvey McGrath, Port Wade, N.S.
126119	Carrie L.	Lanenburg	Schr—Glt.	1909	Lanenburg, N.S.	101 2	25 3	10 4	99	Carrie Anderson, M.O., Lanenburg, N.S.
138042	Carrie M.	Port Hawkesbury	Schr—Glt.	1915	Port Hastings, N.S.	33 4	10 9	5 5	13	Lewis Reynolds, Port Hastings, N.S.
940643	Carrie M.C.	Lanenburg	Schr—Glt.	1888	Malome Bay, N.S.	55 7	18 3	7 4	39	Ernest Johnson, Peters Road, P.E.I.
100445	Carrie O.	Charlottetown	Schr—Glt.	1883	Country Harbour, N.S.	33 0	11 5	5 5	12	George J. Vasey, Charlottetown, P.E.I.

SESSIONAL PAPER No. 22

138750	Cashier	Halifax	Schr—Glt	1918	Sheet Harbour, N.S.	176	4	37	1	660	The Ship Glemovrey Co., Ltd., Truro, N.S.
925062	Cassie M.	Halifax	Schr—Glt	1887	Sheet Harbour, N.S.	48	12	6	5	28	Wm. H. Munro, Sheet Harbour, N.S.
130900	Castaleno	Chatham, N.B.	Schr—Glt	1913	Caraquez, N.B.	33	0	14	6	25	Robin, Jones & Whitman, Ltd., Halifax, N.S.
1033663	Castor	Quebec	Schr—Glt	1891	Millie Vaches, Que.	55	5	24	0	193	J. Smeclair, Millie Vaches, Que.
72963	Cataquet	Quebec, Ont.	Sloop	1874	Preton, Ont.	105	5	24	0	137	F. McGibbon, Sarnia, Ont.
1310163	Catch Me	Chatham, N.B.	Schr—Glt	1911	Caraquez, N.B.	46	8	14	2	13	Pierre E. Le Bonhillier, Caraquez, N.B.
92519	Catherine	St. Andrews	Schr—Glt	1885	St. George, N.B.	26	0	11	4	17	Benjamin McKenzie, St. George, N.B.
111898	Catherine	Weymouth	Schr—Glt	1905	Belliveau's Cove, N.S.	33	0	12	6	11	Medi Belliveau, Grosses Cornues, N.S.
96790	Catherine A. C.	Halifax	Sloop	1890	Dover, N.S.	42	5	14	5	70	Desire Marchand, Port Royal, N.S.
116595	Cavalier	Lunenburg	Schr—Glt	1904	La Have, N.S.	74	2	21	2	13	Jolin Scott, East Dover, N.S.
121999	Cavalier	Lunenburg	Schr—Glt	1908	Lunenburg, N.S.	40	5	14	6	22	W. S. Loggie Co., Ltd., Chatham, N.B.
138058	Cecil	Chatham, N.B.	Schr—Glt	1916	Lower Caraquez, N.B.	65	5	14	4	66	Stephen Plender, North Sydney, N.S.
126570	Cecil F.	Sydney, N.S.	Schr—Glt	1889	St. Pierre, Mtq.	45	5	29	6	99	William C. Smith, M.O., Lunenburg, N.S.
126586	Cecil B.	Lunenburg	Schr—Glt	1910	Lunenburg, N.S.	104	6	25	8	32	James Bellefontaine, M.O., West Chazetcook, N.S.
126919	Cecil B.	Halifax	Schr—Glt	1911	West Chazetcook, N.S.	51	2	17	0	41	James Pelrine, M.O., Larrys River, N.S.
96825	Cedric W.	Halifax	Schr—Glt	1890	Vogler's Cove, N.S.	80	4	17	6	41	D. Gallien, Caraquez, N.B.
103271	Celia	Chatham, N.B.	Schr—Glt	1891	Caraquez, N.B.	35	4	12	1	39	P. Focner, Detroit, Mich., U.S.A.
88624	Celina K. Goldman	Windsor, Ont.	Scow—Chd	1884	Stony Point, Ont.	69	0	19	0	47	British Colonies Transportation Co., Ltd., Toronto, Ont.
138292	Celina K. Goldman	St. John N.B.	Schr—Glt	1918	St. Martins, N.B.	158	8	35	0	16	Leaving Wilson, Grand Mannan, N.B.
72395	Centennial	St. Catharines	Sloop	1876	West Isles, N.B.	34	0	13	2	66	H. O. Brown, Welland, Ont.
130944	Centro	Lunenburg	Barge—Chd	1890	Port Robinson, Ont.	81	6	21	5	99	Norman Refuse, M.O., La Have, N.S.
126902	Central City	Montreal	Schr—Glt	1912	LaHave, N.S.	83	4	23	8	157	Lyon Colhen, Montreal, Que.
103385	Ceradic	Chatham, N.B.	Dredge—Dredge	1905	Corwall, Ont.	79	0	26	6	14	Phillip Rive, Caraquez, N.B.
124415	Cerita	Yarmouth	Schr—Glt	1896	Caraquez, N.B.	36	1	12	9	10	Luke C. Deveau, Salmon River, N.S.
139417	Chambly	Montreal	Sloop	1871	Tusket Wedge, N.S.	30	0	11	0	218	Grant Cooper, Toronto, Ont.
116652	Champion	Windsor, Ont.	Barge—Chd	1910	Sorel, Que.	151	0	24	8	50	Albert Sharon, Belle River, Ont.
126290	Champion	Yarmouth	Scow—Chd	1872	River Pave, Ont.	66	8	48	0	29	James O'Donnell, Dipper Harbour, N.B.
138423	Chandry	Montreal	Scow—Chd	1902	Yarmouth, N.S.	47	4	15	6	263	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
103436	Chapau	Pasphebie	Schr—Glt	1916	Lachine, Que.	120	7	30	8	42	W. J. Poupore, Westmount, Que.
122188	Charles A. H.	Ottawa	Barge—Chd	1889	Grand River, Que.	38	7	12	9	10	Robln, Jones & Whitman, Limited, Halifax, N.S.
138555	Charles A. Ritcey	Lunenburg	Schr—Glt	1909	Buckingham, Que.	63	0	19	8	42	Frank Walsh, North Sydney, N.S.
139287	Charles Boone	St. Catharines	Schr—Glt	1917	West Arnelat, N.S.	35	0	10	5	360	Colin D. Ritcey, M.O., Lunenburg, N.S.
121654	Charles E.	Yarmouth	Sloop	1904	Merclan, N.S.	138	0	32	6	13	The C. S. Boon, Dredging & Construction Co., Ltd., Toronto, Ont.
126226	Charles E. Stoady	Sarnia	Scow—Chd	1908	Sheet Harbour, N.S.	35	5	12	5	61	The Clevehand Sarnia Saw Mill Co., Ltd., Sarnia, Ont.
82895	Charles Edouard	Quebec	Sloop	1884	Cap St. Jovace, Que.	51	6	18	5	24	A. Bonllian, Bergeronnes, Que.
94704	Charles Heskell	Digby	Schr—Glt	1869	Essex, Mass., U.S.A.	72	0	21	2	60	A. Weatherbe and J. T. Matcatt, Tatamagouche, N.S.
138793	Charles W. Dunn	Weymouth	Barge—Chd	1889	Whitehall, N.Y., U.S.A.	96	1	17	0	97	Waver & Sons, Ltd., Quebec, Que.
83421	Charles	Weymouth	Schr—Glt	1881	Weymouth, N.S.	30	0	10	4	26	W. H. Elridge, M. O., Sandy Cove, N.S.
96970	Charlie Richardson	Shelburne	Schr—Glt	1891	Shelburne, N.S.	43	4	16	9	44	C. R. Hupman, M. O., Summersville, N.S.
10784	Charlotte	Arriat	Schr—Glt	1879	Hearts Delight, Nfld	59	2	19	0	13	Philip and Charles Boudrot, Poulamou, N.S.
92551	Charlotte	Chatham, N.B.	Schr—Glt	1889	Caraquez, N.B.	38	2	12	1	154	Mrs. Sarah Young and F. T. B. Young, J. O., Caraquez, N.B.
116294	Charlotte S.	Ottawa	Barge—Chd	1888	Monte Bollo, Que.	133	5	22	8	154	Joseph Wilson, Montreal, Que.
116560	Charlotte S.	Charlottetown	Schr—Glt	1902	Murray Harbour, P.E.I.	35	0	11	9	47	John Cassidy and Wm. A. Reid J.O., Westville, N.S.
103841	Chaudoire	Maitland	Schr—Glt	1917	Missville, N.S.	74	4	22	2	67	Noel Packer Co., Ltd., Noel, N.S.
138345	Chaudoire	Ottawa	Barge—Chd	1906	Sturgeon Falls, Ont.	66	5	18	0	72	The French River & Nipissing Nav. Co., Ltd., Sturgeon Falls, Ont.
126575	Chaudiere	Lunenburg	Schr—Glt	1918	Liverpool, N.S.	137	1	32	8	351	Zwieber & Co., Ltd., et al., Lunenburg, N.S.
118236	Chaudiere	Port Hawkesbury	Schr—Glt	1911	Cheticamp, N.S.	38	5	11	5	11	Patrick E. Aucoin, Cheticamp, N.S.
112392	Cheroux	Digby	Sloop	1901	Port Maitland, N.S.	32	5	10	6	27	Warren S. Sallows, Port Maitland, N.S.
121842	Childlow	Ottawa	Barge—Chd	1902	Ottawa, Ont.	52	4	13	5	27	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
			Barge—Chd	1903	Blind River, Ont.	83	0	23	5	79	Blind River Transportation Co., Ltd., Blind River, Ont.

*Foreign name, "Helene." †Formerly a steamer. ‡Recovered wreck.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

©Equipped with Wireless. Muni de la T.S.F. *Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Rig. Gréement.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
116876	Chief.....	St. Catharines.....	Dredge—Drague.....	1903	Port Robinson, Ont.....	80.9	36.9	7.9	269	Canadian Dredging Co., Ltd., Midland, Ont.
67000	Chiefain.....	St. John, N.B.....	Schr—Gilt.....	1871	Waterborough, N.B.....	74.0	26.3	6.5	72	John E. Moore, St. John, N.B.
127672	Christie C. Thomey.....	Ottawa.....	Schr—Gilt.....	1908	Burgoyne, Nfld.....	102.0	26.9	10.0	423	The Minister of the Naval Service Ottawa, Ont.
96736	Christina.....	Charlham, N.B.....	Schr—Gilt.....	1906	Carleton, N.B.....	34.4	12.3	4.6	11	The C. Robin, Collas Co., Ltd., Halifax, N.S.
126579	Clum.....	Halifax.....	Sloop.....	1907	Malbone Bay, N.S.....	29.6	7.3	4.2	3	Matthew R. Morrow, Halifax, N.S.
107707	Cincinnati.....	Toronto.....	Barge—Chd.....	1895	Midland, Ont.....	55.0	20.8	3.7	162	Benjamin A. Patterson, et al., Oakville, Ont.
85536	Circassian.....	Yarmouth.....	Schr—Gilt.....	1883	Shelburne, N.S.....	87.0	23.9	10.0	99	A. F. Stomman, Yarmouth, N.S.
100633	Citizen.....	Dagby.....	Schr—Gilt.....	1893	Bear River, N.S.....	66.0	20.6	7.0	47	Randall Morrison, Port Greenville, N.S.
122244	City Dredge No. 2.....	Toronto.....	Dredge—Drague.....	1906	Toronto, Ont.....	90.5	30.5	5.2	234	Corporation of the City of Toronto, Toronto, Ont.
107549	Clair.....	St. John, N.B.....	Sloop.....	1897	North Head, Grand Manan, N.B.....	38.2	13.6	4.0	11	Albert Henderson, Grand Harbour, Grand Manan, N.B.
92651	Clam Shell.....	St. Catharines.....	Dredge—Drague.....	1887	Tonawanda, N.Y., U.S.A.....	80.0	29.0	7.0	62	F. B. McNamee, Montreal, Que.
90065	Clara Lass.....	St. Catharines.....	Scow—Chd.....	1885	Black Creek, Ont.....	75.3	13.2	4.9	15	Wm. Hamd, Port Dalhousie, Ont.
121829	Clare Lass.....	Dagby.....	Sloop.....	1905	Clare Point, N.S.....	36.0	13.6	5.7	43	Auguste F. and Basile F. LeBlanc, Concession, N.S.
116826	Clarence A.....	St. John, N.B.....	Sloop.....	1901	Clarke's Harbour, N.S.....	28.2	11.7	6.1	11	F. Thompson, Clarke's Harbour, N.S.
126809	Clarence Trahan.....	Yarmouth.....	Schr—Gilt.....	1911	Meteglan, N.S.....	47.0	16.2	7.0	25	George M. Trahan, Meteglan, N.S.
83244	Claribel.....	Charlottetown.....	Sloop.....	1881	Charlottetown, P.E.I.....	42.3	13.4	6.0	20	Charles Doucet, Cheticamp, N.S.
122950	Clarion and Myrtle.....	St. Andrews.....	Sloop.....	1906	Grand Manan, N.B.....	32.0	13.2	6.2	20	Wm. J. Morse, Grand Manan, N.B.
107606	Clarissa.....	Barrington Passage.....	Schr—Gilt.....	1900	Meteglan River, N.S.....	64.0	22.0	8.5	55	Geo. L. Nickerson, M. O., Port Latour, N.S.
134405	Clarke L. Corkum.....	Lunenburg.....	Schr—Gilt.....	1914	La Have, N.S.....	86.6	25.0	9.9	96	J. Norman Rafuse, M. O., La Have, N.S.
116591	Claude B. Daley.....	St. John, N.B.....	Schr—Gilt.....	1901	Sarcelle Island, N.S.....	45.0	15.0	7.5	25	Herbert J. Mawhinney, Clarence Harbour, N.S.
121681	Claymore.....	Yarmouth.....	Sloop.....	1903	Clarke's Harbour, N.S.....	33.0	11.0	6.0	10	D. A. Gardner, Clarke's Harbour, N.S.
138245	Clayton W. Walters.....	Lunenburg.....	Schr—Gilt.....	1916	Trinshaw, P.E.I.....	93.2	22.9	9.5	80	Stamgave Walters, La Have, N.S., M. O.
134234	Cleaver.....	Charlham, N.B.....	Schr—Gilt.....	1914	Tignish, P.E.I.....	33.0	11.5	5.0	12	Antoine Perry, Peterville, P.E.I.
111601	Cleeve I.....	New Westminster.....	Barge—Chd.....	1897	New Westminster, B.C.....	51.0	14.0	3.5	19	The Cleeve Canning & Cold Storage Co., Ltd., Vancouver, B.C.
111605	Cleeve 2.....	New Westminster.....	Barge—Chd.....	1897	New Westminster, B.C.....	51.0	14.0	3.5	19	The Cleeve Canning & Cold Storage Co., Ltd., Vancouver, B.C.
111981	Cleeve No. 3.....	Vancouver.....	Scow—Chd.....	1900	New Westminster, B.C.....	80.0	25.8	6.0	205	The Cleeve Canning & Cold Storage Co., Ltd., Vancouver, B.C.
85080	Clifford C.....	St. John, N.B.....	Schr—Gilt.....	1882	Rexton, N.B.....	51.0	26.5	7.5	97	R. A. Cameron, St. John, N.B.
122187	Clifford May.....	Arichal.....	Schr—Gilt.....	1908	West Arichal, N.S.....	86.6	18.1	8.0	43	Selhaman Caine, Louisburg, N.S.
122315	Clintonia.....	Lunenburg.....	Schr—Gilt.....	1908	Lunenburg, N.S.....	108.4	25.8	10.8	96	Gordon A. Corkum, et al., La Have, N.S.
111569	Clorita.....	Toronto.....	Schr—Gilt.....	1898	New York, N.Y., U.S.A.....	64.0	16.5	7.4	44	Geo. H. Gooderham, Toronto, Ont.

SESSIONAL PAPER No. 22

103551	Clovis	Montreal	1895	St. Thomas, Que.	92 1	22 2	5 7	81	Philippe Joly, St. Anne de Sorol, Que.
122621	Cluster	Chatham, N. B.	1908	Rexton, N.B.	33 0	12 0	4 6	40	H. Postarache, Buctonello, N.B.
122641	Sch'r—Glt.	Montreal	1873	Buffalo, N.Y., U.S.A.	146 6	26 6	11 4	307	The Atlas Sloop Co., Ltd., Montreal, Que.
107929	Cobledick Dredge	New Westminster	1900	Lyttton, B.C.	100 0	26 0	7 0	795	The "Cobledick Dredge No. 1" Co., Ltd., London, Eng.
	No. 1								
103955	Cobourg	Montreal	1897	Kingston, Ont.	179 6	31 7	11 4	607	Montreal Transportation Co., Ltd., Montreal, Que.
85392	Colibri	Port Hawkesbury	1884	Magdalen Islands, Que.	46 5	13 0	6 6	148	Murdock A. McDonald, South Cove, N.S.
131015	Colin	Quebec	1912	Quebec, Que.	222 2	21 4	8 5	198	Wm. Q. Stobbs, Quebec, Que.
100359	Collinsie	Quebec	1889	Chicoutimi, Que.	61 0	20 4	6 7	57	Phileas Bonliame, Tadoussac, Que.
124331	Col. Ellsworth	Quebec	1860	Foxes, Mass., U.S.A.	77 4	22 6	7 6	78	Chas. and Eric Duclene, J. O., St. Irénee, Que.
134490	Col. J. L. Lacombe	Montreal	1901	Sault Ste. Marie, Ont.	100 0	28 0	7 2	202	Quimlan & Robertson, Ltd., Montreal, Que.
74051	Colonel Otter	Quebec	1876	Parramung, N.S.	73 0	21 8	8 5	73	John J. Sangster, Cuyshboro', N.S.
111702	Colonia	Lanenburg	1901	Lanenburg, N.S.	97 2	25 6	9 7	40	Charles R. Steer, St. John's, Nfld.
114598	Colonial No. 3	New Westminster	1899	Stevoston, B.C.	55 0	14 0	4 0	28	The Columbia Packing Co., Ltd., Vancouver, B.C.
85567	Columbia	Kingston	1885	Redford Mills, Ont.	101 0	22 7	4 8	84	Benjamin Tott, Bedford Falls, Ont.
124694	Colombia	Barrington Passage	1905	Pusket Wedge, N.S.	34 0	11 6	6 0	10	Thomas C. Himes, Cape Is., N.S.
88387	Comet	Windsor, N.S.	1885	Carwallis, N.S.	32 0	12 6	4 5	10	Thomas Carter, Red Head, N.B.
130954	Comet G.	Lanenburg	1910	Parramung, N.S.	90 2	40 6	5 0	11	Herbert Little and James Little, Terrence Bay, N.S.
112325	Commodore Dewey	Halifax	1902	Perceux, N.S.	51 6	17 4	6 5	20	Geo. Windsor, Bathurst, N.B.
116983	Commodore Dewey	Kenora	1898	Kenora, Ont.	86 0	20 8	5 0	132	Herson E. Armstrong, Kenora, Ont.
138083	Companie Générale	Quebec	1910	Lanzon, Que.	99 0	25 0	10 2	95	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
138084	Hopper/Scow No. 1	Quebec	1910	Lanzon, Que.	99 0	25 0	10 2	135	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
138085	Hopper Scow No. 2	Quebec	1911	Lanzon, Que.	99 0	25 0	10 2	135	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
138086	Hopper Scow No. 3	Quebec	1911	Lanzon, Que.	131 0	30 1	11 0	239	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
138087	Hopper Scow No. 4	Quebec	1911	Lanzon, Que.	131 0	30 1	11 0	239	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
138088	Hopper Scow No. 5	Quebec	1911	Lanzon, Que.	131 0	30 1	11 0	239	La Compagnie Générale d'Entreprises Publiques, Lévis, Que.
74071	Conder	Halifax	1873	Chezecook, N.S.	46 5	14 8	6 2	22	Floos, Montlon, Burgeo, Nfld.
92553	Conductor	Montreal	1888	Montreal, Que.	180 7	34 5	11 6	567	Alphonse A. Larocque, Montreal, Que.
116681	Conductor	Ritchieboro	1877	Foxes, Mass., U.S.A.	75 5	22 0	7 5	51	Jas. H. Walker, Walkerville, N.S.
124931	Constance	Weymouth	1907	Grosses Coques, N.S.	62 0	18 8	6 1	42	Frank K. Warren, Halifax, N.S.
116413	Constance No. 1	Victoria	1904	Victoria, B.C.	42 0	12 0	4 0	13	Arthur R. Barrow, Hill Island, B.C.
134388	Continental	Sault Ste. Marie	1903	Cleveland, O., U.S.A.	71 0	28 0	7 5	209	Aaron Portnoy, Sault Ste. Marie, Ont.
133911	Contribution	Chatham, N.B.	1913	Caracquet, N.B.	31 7	10 2	4 5	11	Gaillaume Chénard, Caraquet, N.B.
134088	Copper Queen	Vancouver	1914	Seattle, Wash., U.S.A.	56 8	22 5	10 4	106	The Granby Consolidated Mining, Smelting & Power Co., Ltd., Grand Forks, B.C.
134081	Coquilham City	New Westminster	1914	Port Coquilham, B.C.	196 0	41 0	13 0	422	Coastwise Steamship & Barge Co., Ltd., Vancouver, B.C.
103525	Coria Lee	Halifax	1867	Bath, Mo., U.S.A.	67 2	18 9	6 4	99	R. Harrington, Sydney, N.S.
116734	Coral	Halifax	1904	Beckerton, N.S.	41 8	13 5	6 3	16	Loomard Fisheries, Ltd., Montreal, Que.
		Oakville	1874	Oakville, Ont.	47 6	13 0	5 0	26	H. R. Fowler and W. J. Kivell, Port Credit, Ont.
		Quebec	1902	La Have, N.S.	76 8	22 4	9 0	30	Abraham Dupres, M. O., Grimsstone, Magdalen Islands, Que.
88391	Corsica	Quebec	1884	St. Paul's Bay, Que.	52 0	17 4	5 4	30	E. Blacou, Petite Rivière Charlebois, St. Francois, Que.
117163	Corsica	Port Hope	1873	Marine City, Mich., U.S.A.	137 0	26 0	11 1	276	John C. Miller, Parry Sound, Ont.
126780	Cornier	Chatham, N.B.	1907	Alouane, N.B.	30 0	12 0	5 0	10	Robert R. MacLean, Chatham, N.B.
114675	Cornwall	Parrsboro	1901	Port Greenville, N.S.	61 5	20 1	5 8	44	John A. Gregory, St. John, N.B.
80720	Cornwall	Pasphebec	1902	Pasphebec, Que.	75 6	22 0	8 7	67	Robin Jones & Whitman, Ltd., Halifax, N.S.
94912	Cornwall	Barrington Passage	1889	Stable River, N.S.	53 0	15 0	6 0	28	S. V. Melanson, et al., Granville, N.S.
97258	Corporal Trin	Charlottetown	1900	Foxes, Mass., U.S.A.	68 6	19 9	7 5	57	Alexander Ryan, Millville, N.S.
103083	Corsair	Chatham, N.B.	1893	Caracquet, N.B.	33 6	12 0	4 8	10	T. Abier, Shippagan, N.B.
90608	Coteau	Montreal	1897	Toronto, Ont.	157 6	27 0	11 0	411	The Montreal Transportation Co., Ltd., Montreal, Que.
103348	Courageux	Quebec	1895	Les Escoumains, Que.	50 2	19 2	5 4	37	Jacques Sainglais, Jr., Les Escoumains, Que.
82295	Craftsmen	Kingston	1883	Kingston, Ont.	132 0	16 6	5 1	45	T. Mills, Kingston, Ont.
71277	Craftsmen	Kingston	1873	Port Burwell, Ont.	132 0	25 8	10 4	296	John Strong, Port Ellen, Ont.

*Formerly "Helle,"
 †Formerly "Kate McKinnon",
 ‡Foreign name "Star."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

Equipped with Wireless Muni de la T.S.F.—Abbreviations—Mentions: I.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'inscription.	Reg. Grément.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
138137	Crane Island	Quebec	Schr—Glt.	1915	Beaus-Grues, P.Q.	47 0	24 2	6 6	57	Jean B. Bernier, Beaus-Grues, Que.
100345	Crescent	Maritland	Schr—Glt.	1892	Lower Schmah, N.S.	86 6	25 6	8 5	99	W. C. Balecom Co., Ltd., Hantsport, N.S.
103234	Crocket	Port Hawkesbury	Schr—Glt.	1909	Port Hawkesbury, N.S.	36 0	10 3	6 3	10	Richard H. Brown, Sydney Mines, N.S.
122428	Crozier B.	Halifax	Schr—Glt.	1908	Chozetowok, N.S.	59 0	16 9	6 0	26	Joseph Bellefontaine, M. O., Chozetowok, N.S.
64710	Crown Prince	Port Hawkesbury	Schr—Glt.	1871	Port Hawkesbury, N.S.	42 0	14 6	5 7	19	T. C. Cook, Port Mulgrave, N.S.
88290	Crusoe	St. Andrews	Schr—Glt.	1886	St. Andrews, N.B.	39 9	12 4	5 6	13	Los. Boyd, Campbellton, N.B.
71153	Cuba	Montreal	Barge—Clid	1875	Kingston, Ont.	168 7	25 6	11 0	386	George Hall Coal Company of Canada, Ltd., Montreal, Que.
122152	Cumulus	Vancouver	Steop	1906	Harrison Hot Springs, B.C.	39 7	11 0	5 9	24	Edward G. Wardle, Harrison Hot Springs, B.C.
137871	Cunola	Yarmouth	Schr—Glt.	1915	Lea Haven, N.S.	72 0	22 4	8 8	73	Edward B. Beland, Yarmouth, N.S.
103181	Carlew	Barrington Passage	Schr—Glt.	1895	Shelburne, N.S.	75 0	19 6	8 5	63	Mrs. and Mr. Thos. E. Worth, Barrington, N.S.
110215	Carlew	Quebec	Yaw—Yole	1899	Quebec, Que.	46 8	14 3	5 4	23	Hopwert, Kowstch and Perovitch, Barrington, N.S.
133451	Cate	Charlton, N.B.	Schr—Glt.	1913	Charlton, N.B.	31 0	11 0	4 8	12	Glegh N. Padlin, Lunenburg, N.B.
134511	Cyclone	Toronto, Ont.	Dredge—Draige	1914	Toronto, Ont.	170 0	42 0	12 0	911	John Osler and Miller, Lash J. O., Toronto, Ont.
100916	Cynet	Charlton, N.B.	Schr—Glt.	1887	Charlton, N.B.	118 3	42 3	5 0	12	The C. Robit, Collins Co., Ltd., Halifax, N.S.
124714	Cynthia W.	St. John, N.B.	Dredge—Draige	1887	Charlton, N.B.	118 3	42 3	5 0	679	The Maritime Dredging & Construction, Co., Ltd., St. John, N.B.
100971	Cyprian	Charlton, N.B.	Schr—Glt.	1892	Charlton, N.B.	38 6	12 8	3 4	10	R. Sturges, Charlton, N.B.
77633	Cyromian	Sarnia	Schr—Glt.	1879	Garden Island, Ont.	135 0	27 0	10 6	213	Edward Kelly, Walkersburg, Ont.
138701	Cyril T.	Halifax	Schr—Glt.	1918	River John, N.S.	92 0	32 0	9 0	107	William H. Cobb, Halifax, N.S.
107821	Czar No. 1	Victoria	Scow—Chd.	1899	Unab, B.C.	92 0	27 4	7 0	143	Wellington Colliery Co., Ltd., Victoria, B.C.
130826	D. 3	Port Arthur	Scow—Chd.	1911	Port William, Ont.	89 0	28 0	5 0	104	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
130827	D. 4	Port Arthur	Scow—Chd.	1910	Port William, Ont.	70 0	25 5	4 8	98	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
110374	D. 5	Port Arthur	Dredge—Draige	1897	Duluth, Minn., U.S.A.	52 0	30 0	8 5	210	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
130010	D. 10	Port Arthur	Scow—Chd.	1912	Port William, Ont.	90 0	33 0	8 0	245	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124675	D. 25	Port Arthur	Scow—Chd.	1909	Port William, Ont.	94 0	34 0	7 8	169	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124676	D. 26	Port Arthur	Scow—Chd.	1909	Port William, Ont.	95 6	34 0	7 6	169	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
110375	D. 30	Port Arthur	Scow—Chd.	1897	Duluth, Minn., U.S.A.	70 0	21 0	6 5	147	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
110376	D. 32	Port Arthur	Scow—Chd.	1897	Duluth, Minn., U.S.A.	50 0	19 5	5 5	231	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124677	D. 31	Port Arthur	Scow—Chd.	1909	Port Arthur, Ont.	131 5	39 0	9 2	272	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124678	D. 35	Port Arthur	Scow—Chd.	1909	Port Arthur, Ont.	132 4	38 0	9 2	272	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124679	D. 38	Port Arthur	Scow—Chd.	1910	Port Arthur, Ont.	143 0	38 0	10 8	325	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
124680	D. 40	Port Arthur	Scow—Chd.	1910	Port Arthur, Ont.	149 0	38 0	10 8	325	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
130821	D. 39	Port Arthur	Scow—Chd.	1909	Port Arthur, Ont.	141 0	36 0	10 8	302	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
130822	D. 41	Port Arthur	Scow—Chd.	1909	Port Arthur, Ont.	135 5	36 0	10 8	445	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abreviations—A.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'enregistrement.	Rig. Gréement.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
100881	David Lynch.	St. John, N.B.	Schr—Gll	1891	St. John, N.B.	83 0	21 1	8 3	65	Thomas J. Stone, et al., St. John, N.B.
121214	David Moran.	Toronto.	Scow—Chd.	1901	West Bay City, Mich., U.S.A.	160 0	35 0	8 0	491	Ponté Anne Quarries, Ltd., Toronto, Ont.
107298	Dawn.	Toronto.	House-boat.	1896	Penetanguishene, Ont.	46 0	20 0	2 6	12	David Davidson, Penetanguishene, Ont.
96759	Dawn.	St. John, N.B.	Schr—Gll	1889	Upper Gagetown, N.B.	39 2	12 8	4 6	8	Chas. L. Carrier, Upper Gagetown, N.B.
100605	Dawn.	Yarmouth.	Schr—Gll	1893	Sidburne, N.S.	65 0	17 8	7 6	51	Henry A. Anuro, Yarmouth, N.S.
138831	Dazzle.	Lambert.	Schr—Gll	1913	Malcolm Bay, N.S.	105 8	26 3	10 8	99	James J. McKay and William Campbell, St. John's, Nfld.
107230	De Champlain.	Quebec.	Barge—Chd.	1897	St. Irénée, Que.	99 7	22 5	7 3	154	Louis Gauthier, St. Irénée, Que.
107958	Defender.	Barrow Passage.	Schr—Gll	1901	Collin's Croft, N.S.	48 0	14 9	5 9	20	Stanley E. Ellis, M.O., Cape St. Mary's, N.S.
111711	Defender.	Lambert.	Schr—Gll	1904	Malcolm Bay, N.S.	95 6	25 4	10 0	98	Wm. G. Kearley, Belloram, Nfld.
103063	Defender.	Yarmouth.	Schr—Gll	1895	Pudmore, N.S.	43 2	14 7	6 1	20	Faverly B. and Frederick Nickerson, Yarmouth, N.S.
92503	Delaware.	St. Andrews.	Schr—Gll	1884	Lalmer, Mo., U.S.A.	106 8	29 3	10 4	17	Benjamin Cook, M.O., Ross Bay, N.S.
131177	Dellawana.	Lambert.	Schr—Gll	1913	Lambert, N.S.	106 8	29 3	10 4	95	Benjamin Cook, M.O., Ross Bay, N.S.
129807	Delma.	Halifax.	Schr—Gll	1909	Ambrose, Mag. Islands, Que.	42 9	15 2	5 7	17	Mrs. Bertie Leslie, Halifax, N.S.
111507	Della B.	St. John, N.B.	Schr—Gll	1900	Greenwich, N.B.	56 0	17 4	5 6	43	Allan J. Wheaton, St. John, N.B.
103118	Della F. Parr.	St. Andrews.	Schr—Gll	1883	Salem, Mass., U.S.A.	50 0	17 0	5 7	31	Chas. Albert, Spry Bay, N.S.
90855	Della.	Charlottetown.	Schr—Gll	1896	Lambert, N.S.	44 4	16 2	7 0	25	A. J. McFayden, Tignish, P.E.I.
107699	Della.	Toronto.	House-boat.	1898	Penetanguishene, Ont.	47 0	20 0	3 0	21	David Davidson, Penetanguishene, Ont.
100277	Della.	Windsor, N.S.	Schr—Gll	1908	Kemph, N.S.	118 3	30 5	11 9	257	John W. Baxter, Canning, N.S.
120091	Delver No. 1.	St. Catharines.	Dredge—Drague	1908	Welland, Ont.	100 0	37 0	6 5	305	Dominion Dredging Co., Ltd., Ottawa, Ont.
130366	Denton S.	Lambert.	Schr—Gll	1908	Tancook, N.S.	36 0	10 8	6 2	11	Charles Scott, Indian Harbour, N.S.
134888	Derrick No. 8.	Montreal.	Scow—Chd.	1915	Montreal, Que.	90 0	31 3	6 4	252	Harbour Commissioners of Montreal, Montreal, Que.
122236	Derrick Scow No. 1.	Montreal.	Scow—Chd.	1906	Montreal, Que.	91 5	21 9	5 7	110	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
107314	Despatch.	Halifax.	Schr—Gll	1891	Halifax, N.S.	27 4	9 4	4 0	6	George E. Franceklyn, jr., Halifax, N.S.
83492	Dessie.	Liverpool.	Schr—Gll	1882	Brooklyn, N.S.	32 6	11 0	5 1	11	Anassa H. Fiske, Lockport, N.S.
80986	Diamond.	Halifax.	Schr—Gll	1885	Guyshoro, N.S.	80 6	21 0	9 4	98	Arthur and Willford Forest, J.O., West Arichat, N.S.
107407	Diamond.	Quebec.	Barge—Chd.	1899	St. Thomas de Pierreville, Que.	128 6	25 3	12 6	381	Adelard Chevrier, St. Joseph de Sorel, Que.
103934	Diamond Jubilee.	Paspébiac.	Schr—Gll	1897	Carleton, N.B.	55 0	17 0	6 5	32	W. Martell, Main-de-Dieu, N.S.
91811	Diana.	Victoria.	Schr—Gll	1889	Victoria, B.C.	65 2	19 9	7 1	50	Sidney Canning Co., Ltd., Sidney, B.C.
97089	Dietator.	Charlottetown.	Schr—Gll	1890	Lambert, N.S.	76 0	23 6	9 4	78	Johannston P. Reinhardt, Liverpool, N.S.
90831	Digo.	Port Medway.	Schr—Gll	1895	East Port Medway, N.S.	48 0	16 3	6 8	27	Richard C. Smith, Halifax, N.S.
103861	Dion.	Halifax.	Sloop.	1898	Dartmouth, N.S.	42 8	8 4	5 5	6	G. F. Pearson, Halifax, N.S.
103076	Dipper.	Chartham N.B.	Schr—Gll	1893	Shippigan, N.B.	37 5	12 2	5 0	12	W. S. Loggie Co., Ltd., Chartham, N.B.

9682/6	Director.	Victoria	1890	Lanenburg, N.S.	75 0	23 5	9 0	87	Albert Berquist, Victoria, B.C.
92515/1	Dispute.	St. Andrews.	1879	St. George, N.B.	30 0	12 0	6 4	13	E. R. Patch, Campbell, N.B.
13098/2	Dir-On.	Charlham, N.B.	1882	Carriquet, N.F.	35 0	13 0	4 7	12	John Poirer, Carriquet, N.B.
10770/6	Dixie.	Toronto.	1868	Pentamanshene, Ont.	50 0	22 0	3 0	97	David Davidson, Pentamanshene, Ont.
138236/1	Dks. No. 1.	Vancouver	1913	North Vancouver, B.C.	69 3	30 0	7 5	141	John F. Deeks, Vancouver, B.C.
138236/2	Dks. No. 2.	Vancouver	1913	Rosslyn, B.C.	69 3	30 0	7 5	142	John F. Deeks, Vancouver, B.C.
14906/5	Dollar I.	Vancouver	1918	New Westminster, B.C.	94 4	35 9	7 3	216	Canadian Robert Dollar Co., Ltd., Vancouver, B.C.
11102/1	Dollar IV.	Vancouver	1918	Dollarton, B.C.	89 2	30 0	7 3	167	Canadian Robert Dollar Co., Ltd., Vancouver, B.C.
14112/4	Dolly	Wallaceburg	1918	Dredston, Ont.	120 7	25 1	7 1	214	G. H. Morden, Oakville, Ont.
8302/7	Dolphin	Halifax	1881	Cheticamp, N.S.	95 0	26 7	6 0	198	A. H. Morrison, Guysboro, N.S.
10553/3	Dolphin	Halifax	1865	Sheet Harbour, N.S.	59 1	17 4	6 0	36	J. T. Thomson, Halifax, N.S.
8003/3	Dolphin	St. John, N.B.	1880	Salmon Bay, N.B.	58 5	25 0	5 3	36	Gideon Justrass, Pennfield, N.B.
10770/1	Dolphin	Toronto.	1880	Pentamanshene, Ont.	46 0	20 0	5 6	71	David Davidson, Pentamanshene, Ont.
12631/1	Dombarico No. 1.	Montreal.	1896	Cataraugus, N.B.	78 8	25 8	7 0	91	Robinson Wright & Co., Ltd., et al., Sinaloe, N.S.
12631/2	Dombarico No. 2.	Montreal.	1905	Lachine, Que.	123 1	39 3	9 4	252	Dominion Barge Co., Ltd., Lachine
12631/3	Dombarico No. 3.	Montreal.	1909	Lachine, Que.	87 4	37 6	8 4	252	Roger Miller & Co. (P.E.I.), Ltd., Toronto, Ont.
12631/4	Dombarico No. 4.	Montreal.	1910	Lachine, Que.	100 0	37 6	6 0	183	Dominion Barge Co., Ltd., Lachine, Que.
13052/3	Dombarico No. 5.	Montreal.	1911	Lachine, Que.	98 9	38 4	7 4	226	Gilbert E. Fournier, Ottawa, Ont.
13052/4	Dombarico No. 6.	Montreal.	1911	Lachine, Que.	98 9	38 4	7 4	226	Gilbert E. Fournier, Ottawa, Ont.
13111/1	Dombarico No. 7.	Montreal.	1900	Chicago, Ill., U.S.A.	158 1	43 5	6 2	234	Dominion Coal Co., Ltd., Sydney, N.S.
11635/8	Dombarico No. 8.	Port Arthur.	1905	Port Arthur, Ont.	114 0	31 8	12 0	451	The Great Lakes Dressing Co., Ltd., Port Arthur, Ont.
12214/4	Dombarico No. 1.	Victoria	1890	Vancouver, B.C.	72 0	23 0	6 0	47	John J. Goodwin, Victoria, B.C.
10770/0	Don No. 1.	St. John, N.B.	1906	Boston, Mass., U.S.A.	109 7	41 2	8 3	538	The Dominion Dredging Co., Ltd., Ottawa, Ont.
10770/0	Don No. 2.	Toronto.	1883	Pentamanshene, Ont.	65 0	20 0	3 5	86	David Davidson, Pentamanshene, Ont.
11103/4	Don No. 2.	Vancouver	1912	Vancouver, B.C.	47 0	21 0	6 2	90	Harbert Goldie, Vancouver, B.C.
13025/5	Don Parsons	Windsor, N.S.	1918	Cheverie, N.S.	151 1	31 2	12 4	227	Don Parsons, Ltd., Halifax, N.S.
13423/7	Don R.	Montreal.	1914	Montreal, Que.	120 2	28 1	8 5	495	Quinlan & Robertson, Ltd., Montreal, Que.
13440/6	Donald A. Cresser	Lanenburg	1918	Shelburne, N.S.	109 0	26 4	10 8	100	William Cresser, M.O., LaHave, N.S.
13882/1	Donald J. Cook	Lanenburg	1918	Lanenburg, N.S.	112 9	25 3	10 4	100	Wm. J. Cook, M.O., LaHave, N.S.
13052/6	Donald L. Silver	Lanenburg	1911	Miscou, N.B.	105 6	25 8	10 5	91	Wm. Aronburg, M.O., Lunenburg, N.S.
10639/1	Dora	Charlham, N.B.	1899	Carriquet, N.B.	31 0	11 3	4 5	10	Scraphin Davis, Miscou, N.B.
13072/6	Dora C.	Lanenburg	1911	Little Tanook, N.S.	37 3	12 9	5 0	12	Robin Jones & Whitman, Ltd., Halifax, N.S.
12168/1	Dora Lee	Yarmouth.	1904	Tusket, N.S.	32 0	11 0	6 0	10	Hugh Cleveland Blandford, N.S.
10016/8	Dora Seaward	Victoria	1891	Lanenburg, N.S.	81 1	24 4	9 3	94	J. P. Cotnam, M.O., Tusket, N.S.
7428/7	Dorchester	Montreal.	1876	Quebec, Que.	148 5	27 1	11 1	375	Andrew J. Bechet, Victoria, B.C.
12205/5	Dorchester	Charlham, N.B.	1906	Shippagan Island, N.B.	35 0	12 3	4 4	10	Alphonse A. LaRoque, Montreal, Que.
12083/7	Dorilda.	Quebec.	1910	Pentac Riviere St. Fran- cois, Que.	82 3	21 5	7 3	68	Edouard Chissoux, (est of Pentac), Lunenburg, N.S.
10345/5	Doris Hall	Halifax	1866	Castine, Me., U.S.A.	70 8	20 3	7 1	59	David Anderson, Charlottetown, P.E.I.
13785/5	Doris L. Corkum	Lanenburg	1915	Shelburne, N.S.	109 0	26 2	10 6	90	Zwickow & Co., Ltd., Lunenburg, N.S.
11839/9	Dorothy	St. John, N.B.	1905	Metcalfen River, N.S.	62 0	19 4	6 0	49	Wm. Hill, et al., Wain, N.S.
13440/6	Dorothy Adams	Lanenburg	1915	Barrington, N.S.	31 0	10 6	6 0	10	E. H. Smith, and Huskins, Port LaFour, N.S.
11706/0	Dorothy Akta	Canso.	1907	White Haven, N.S.	104 2	26 0	10 3	92	Henry W. Adams, M.O., Lunenburg, N.S.
12911/2	Dorothy G.	Lanenburg	1908	Tanook, N.S.	36 0	11 2	5 6	17	Wesley Munroe, White Haven, N.S.
12957/1	Dorothy M. Smart	Digby.	1910	Shelburne, N.S.	46 4	12 9	6 6	17	John McKeown, Canso, N.S.
13757/2	Dorothy P. Sturvy	Montreal.	1913	Shelburne, N.S.	90 0	25 0	9 9	93	The Maritime Fish Corporation, Ltd., Montreal, Que.
13141/1	Dorval Perry	Montreal.	1913	Sorel, Que.	53 0	23 0	9 0	44	The Dorval Island Service Co., Ltd., LaHave, N.S.
13440/6	Douglas B. Conrad	Lanenburg	1914	Shelburne, N.S.	93 0	23 0	9 0	76	Joseph E. Conrad, M.O., LaHave, N.S.
10690/9	Dove.	Charlham, N.B.	1891	Shippagan, N.B.	33 6	12 3	4 8	10	T. Almer, Shippagan, N.B.
11745/5	Dove.	Halifax	1905	Peddiswick, N.S.	35 0	11 5	4 8	49	George M. Donaldson, Eastern Passage, N.S.
11702/1	Dove.	Sydney, N.S.	1901	New Campbellton, N.S.	67 1	18 8	7 2	49	Jas. F. Burchell, Port Morden, N.S., and Angus Campbell, Dig. Braid of Or, N.S.
9172/1	Dove.	Windsor, N.S.	1888	Cornwall, N.S.	43 0	12 7	4 8	17	R. George, Parisboro, N.S.
12515/0	Dragon Rouge	Toronto.	1908	Toronto, Ont.	86 0	22 6	7 0	203	John E. Tussett, Toronto, Ont.
11056/7	Dreadin	Liverpool	1918	Brooklyn, N.S.	126 9	32 9	12 8	379	Southern Shipping Co., Ltd., Liverpool, N.S.

*Foreign name "D.F. Patchin."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918

Equipped with Wireless Muni de la T.S.F. Abbreviations—*Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Rig. Gréement	Build—Construct en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
92567	Dreadnought	Sydney, N.S.	Schr—Glt	1888	Little Bras d'Or, N.S.	31.4	13.3	5.1	10	Andrew Walsh, Little Bras d'Or, N.S.
92568	Dreadnought	St. Andrews	Sloop	1896	Quaco, N.B.	33.4	13.8	6.0	18	Falcon Green, Grand Manan, N.B.
71329	Dreadnought	St. John, N.B.	Schr—Glt	1877	Richmond, N.S.	46.6	16.0	5.5	20	Clarence Irvin, Cornwallis, N.S.
71357	Dreadnought	Halifax	Schr—Glt	1877	Bridg, N.S.	51.0	17.8	6.3	28	Reuben Smith, Cape Sable Island, N.S.
126730	Dredge Barnston	New Westminster	Dredge—Draque	1910	New Westminster, B.C.	60.0	20.0	4.7	52	The Corporation of the Tp. of Richmond, B.C., Eburne, B.C.
107193	Dredge Frank	Port Arthur	Dredge—Draque	1892	Bay City, Mich., U.S.A.	78.5	25.0	7.0	154	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
125074	Dredge Hackett	Southampton	Dredge—Draque	1897	Warton, Ont.	62.0	22.3	6.0	50	C. M. Bowman, et al., Southampton, Ont.
125074	Dredge Holland	Port Arthur	Dredge—Draque	1906	Belle Ewart, Ont.	63.7	23.0	5.0	230	The Minister of Railways and Canals, Ottawa, Ont.
111972	Dredge No. 1	Montreal	Dredge—Draque	1879	U.S.A.	85.0	21.0	8.3	176	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
125074	Dredge No. 2	Montreal	Dredge—Draque	1879	Buffalo, N.Y., U.S.A.	84.0	23.5	8.0	247	Lazarus Golden, Montreal, Que.
121847	Dredge No. 3	Montreal	Dredge—Draque	1890	Levis, Que.	75.2	21.0	9.3	406	Harbour Commissioners of Montreal, Montreal, Que.
107581	Dredge No. 4	Montreal	Dredge—Draque	1890	Levis, Que.	90.0	36.1	9.3	438	Harbour Commissioners of Montreal, Montreal, Que.
116242	Dredge No. 5	Sault Ste. Marie	Dredge—Draque	1896	Buffalo, N.Y., U.S.A.	76.0	25.6	8.0	171	The Soo Dredging & Construction Co., Ltd., Sault Ste. Marie, Ont.
112010	Dredge No. 6	Port Arthur	Dredge—Draque	1891	Duluth, Minn., U.S.A.	90.0	21.0	8.4	313	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
122173	Dredge No. 7	Port Arthur	Dredge—Draque	1891	Duluth, Minn., U.S.A.	98.0	30.0	8.0	295	Robert Weddell, et al., Trenton, Ont.
116184	Dredge No. 8	Port Arthur	Dredge—Draque	1888	Duluth, Minn., U.S.A.	96.0	30.0	9.5	415	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
116241	Dredge No. 8	Sault Ste. Marie	Dredge—Draque	1894	Buffalo, N.Y., U.S.A.	82.0	36.0	7.6	187	The Soo Dredging & Construction Co., Ltd., Sault Ste. Marie, Ont.
167293	Dredge No. 9	Owen Sound	Dredge—Draque	1889	Lockport, N.Y., U.S.A.	71.0	22.2	7.0	127	The Canadian Dredging Co., Ltd., Burlington, Ont.
117040	Dredge No. 10	Sault Ste. Marie	Dredge—Draque	1889	Saginaw, Mich., U.S.A.	92.0	32.5	7.0	351	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
122134	Dredge No. 11	Sault Ste. Marie	Dredge—Draque	1891	Saginaw, Mich., U.S.A.	100.0	34.6	8.0	352	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
101310	Dredge No. 15	Port Arthur	Dredge—Draque	1908	Saginaw, Mich., U.S.A.	100.3	31.4	9.5	174	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
134896	Dredge P.W. D. No. 301	Victoria	Dredge—Draque	1908	New Westminster, B.C.	108.3	28.2	10.4	538	The Minister of Public Works, Ottawa, Ont.
131269	Dredge Primrose	Midland	Dredge—Draque	1915	Welland, Ont.	136.5	42.0	10.1	767	Canadian Dredging Co., Ltd., Midland, Ont.
116249	Dredge Stinson	Toronto	Dredge—Draque	1901	Beaverton, Ont.	80.5	25.2	6.8	436	The Randolph Macdonald Co., Ltd., Toronto, Ont.
134089	Drill Boat Barrand	Vancouver	Screw—Chd	1914	North Vancouver, B.C.	115.0	30.0	7.8	426	McPhee, Henry & McDonald, Ltd., Vancouver, B.C.
126725	Drill Boat No. 1	Peterboro'	Screw—Chd	1909	Hastings, Ont.	50.0	20.0	4.0	51	The Randolph Macdonald Co., Ltd., Toronto, Ont.
126725	Drill Boat No. 2	Peterboro'	Screw—Chd	1910	Hastings, Ont.	40.2	16.0	2.0	28	The Randolph Macdonald Co., Ltd., Toronto, Ont.
130771	Drill Boat No. 5	Sault Ste. Marie	Drill boat	1907	South Chicago, Ill., U.S.A.	127.5	31.0	7.5	589	The Soo Dredging & Construction Co., Ltd., Sault Ste. Marie, Ont.
71403	Ducilla May	Halifax	Schr—Glt	1877	Shoal Bay, N.S.	39.5	14.8	6.0	19	J. G. Morrison, Englishtown, N.S.

SESSIONAL PAPER No. 22

Druid	St. John, N.B.	Schr—Gt	1882	Portland, N.B.	81 3	27 2	7 5	J. H. Driscoll, St. John, N.B.
Dryde	New Westminster	Barge—Chd	1898	Vancouver, B.C.	50 0	14 6	4 0	Anglo-British Columbia Packing Co., Ltd., Vancouver, B.C.
Duc de la Martin	Chartham, N.B.	Schr—Gt	1915	Caracquet, N.B.	46 0	11 7	6 0	Omesine Paulin, Caracquet, N.B.
Duchess	Halifax	Schr—Gt	1902	Indian Harbour, N.S.	38 5	9 0	3 0	James Morash, Dover, N.S.
Dude	Port Hope	Shoop	1880	Sodus Point, N.Y., U.S.A.	28 0	9 0	3 0	A. Campbell, Lakeport, Ont.
Duff	Vancouver	Barge—Chd	1898	Vancouver, B.C.	98 6	23 0	5 8	British American Corporation, Ltd., Rossland, B.C.
Dugan	Sorel	Scow—Chd	1916	Sorel, P.Q.	161 5	31 9	9 0	St. Lawrence Bridge Co., Ltd., Montreal, Que.
Duke of Connaught	Montreal	Dock Ship	1912	Barrow-in-Furness, G.B.	600 6	135 2	16 8	Canadian Vickers, Ltd., Montreal, Que.
Duke of York	Montreal	Dredge—Draug	1903	Montreal, Que.	71 5	25 1	6 0	W. J. Poupore, Montreal, Que.
Dunk Sew No. 320	Montreal	Scow—Chd	1897	Coteau, Que.	79 3	20 9	6 7	Gaspard De Serres, Montreal, Que.
Dunlop	Montreal	Scow—Chd	1897	Coteau, Que.	79 1	21 0	7 2	Gaspard De Serres, Montreal, Que.
Dump Sew No. 223	Montreal	Scow—Chd	1897	Coteau, Que.	51 3	13 9	3 7	Gaspard De Serres, Montreal, Que.
Dun Donald	Ottawa	Houseboat	1904	Sturgeon Falls, Ont.	61 0	18 0	7 0	The Lake Nipissing Shipping & Transportation Co., Ltd., Toronto, Ont.
Dundrum	Hamilton	Barge—Chd	1882	Detroit, Mich., U.S.A.	186 3	30 3	12 0	Canada Steamship Lines Ltd., Montreal, Que.
Dunmore	Montreal	Schr—Gt	1895	Kingston, Ont.	182 5	31 9	11 9	Amphise A. Larocque, Montreal, Que.
Dunrobin	Winnipeg	Barge—Chd	1895	Keewatin, Ont.	47 6	13 2	5 1	Dominion Fish Co., Ltd., Winnipeg, Man.
Dwina	Rieliburoto	Schr—Gt	1910	Port Le Bear, N.S.	70 0	21 0	7 0	Alex. C. Fraser, Rexton, N.B.
E. C. No. 1	Vancouver	Scow—Chd	1899	Vancouver, B.C.	79 3	30 0	7 0	Edward Cook, Vancouver, B.C.
E. C. No. 2	Vancouver	Scow—Chd	1901	Vancouver, B.C.	70 0	22 5	6 0	Edward Cook, Vancouver, B.C.
E. C. No. 3	Vancouver	Scow—Chd	1886	Vancouver, B.C.	79 3	27 0	6 0	Edward Cook, Vancouver, B.C.
E. C. No. 4	Vancouver	Scow—Chd	1901	Vancouver, B.C.	75 0	25 0	6 6	Edward Cook, Vancouver, B.C.
E. C. No. 5	Vancouver	Scow—Chd	1908	Vancouver, B.C.	52 2	21 0	6 0	Edward Cook, Vancouver, B.C.
E. C. No. 6	Vancouver	Scow—Chd	1893	Vancouver, B.C.	76 0	27 2	6 5	George Coleman, Vancouver, B.C.
E. C. No. 7	Vancouver	Scow—Chd	1901	Vancouver, B.C.	87 6	28 7	6 8	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 8	Vancouver	Scow—Chd	1902	Vancouver, B.C.	87 4	28 5	6 8	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 9	Vancouver	Scow—Chd	1902	Vancouver, B.C.	87 5	28 5	6 8	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 10	Vancouver	Scow—Chd	1902	Vancouver, B.C.	87 5	27 0	7 3	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 11	Vancouver	Scow—Chd	1906	Vancouver, B.C.	77 6	27 0	7 3	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 12	Vancouver	Scow—Chd	1906	Vancouver, B.C.	75 0	28 8	6 9	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 13	Vancouver	Scow—Chd	1907	Vancouver, B.C.	77 0	29 0	7 1	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 14	Vancouver	Scow—Chd	1906	Vancouver, B.C.	77 0	29 0	7 1	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 15	Vancouver	Scow—Chd	1906	Vancouver, B.C.	77 0	29 0	7 1	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 16	Vancouver	Scow—Chd	1910	Vancouver, B.C.	78 5	30 0	7 5	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 17	Vancouver	Scow—Chd	1910	Port Mellon, B.C.	78 5	29 8	7 5	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 18	Vancouver	Scow—Chd	1911	Vancouver, B.C.	83 3	29 9	8 3	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 19	Vancouver	Scow—Chd	1911	Vancouver, B.C.	83 3	29 8	8 2	Evens, Coleman & Evans Ltd., Vancouver, B.C.
E. C. No. 20	Vancouver	Scow—Chd	1902	Vancouver, B.C.	65 2	22 6	5 0	E.A. H. Leves, et al., Vancouver, B.C.
E. H. A.C. No. 2	Montreal	Scow—Chd	1913	Montreal, Que.	80 0	24 6	5 3	Arthur Ladouceur & Arthur Belanger, J.O., Lachine, Que.
E. T. No. 1	Montreal	Scow—Chd	1914	Montreal, Que.	53 4	15 9	3 9	Mrs. Naessie Paul, Verdun, Que.
E. T. No. 2	Montreal	Scow—Chd	1883	Toledo, Ohio, U.S.A.	637 0	25 0	10 3	The Reid Wrecking Co., Ltd., Sarnia, Ont.
E. T. No. 3	Sarnia	Schr—Gt	1861	Ferry, Mass., U.S.A.	76 6	21 5	7 3	H. J. Marson, St. John, N.B.
E. T. No. 4	St. John, N.B.	Schr—Gt	1901	Ferryport, N.S.	121 8	30 2	11 1	Edward G. Scott, Mobile, Ala., U.S.A.
E. T. No. 5	St. John, N.B.	Schr—Gt	1883	Carleton, N.B.	44 6	11 3	5 9	Percy Booth, et al., Beaver Harbour, N.B.
E. T. No. 6	Halifax	Schr—Gt	1881	Kemelumak, Me., U.S.A.	98 2	24 4	8 8	Leslie Murray, Port Richmond, N.S.
E. T. No. 7	Halifax	Schr—Gt	1896	Parthaven, Wash., U.S.A.	17 5	10 6	4 1	Wm. Cruickshank, New Westminster, B.C.
E. T. No. 8	New Westminster	Schr—Gt	1913	Malhous Bay, N.S.	16 2	17 1	6 6	Daniel E. Conrad, M.O., Grand Desert, N.S.
E. T. No. 9	Halifax	Schr—Gt	1878	Hal-Have, N.S.	60 0	19 3	7 5	John A. Munn, Murray River, P.E.I.
E. T. No. 10	Charlottetown	Schr—Gt	1917	Hantsport, N.S.	111 4	33 5	11 9	Grace & Co. Ltd., Montreal, Que.
E. T. No. 11	Windsor, N.S.	Schr—Gt	1917	Hantsport, N.S.	111 4	33 5	11 9	Grace & Co. Ltd., Montreal, Que.
E. T. No. 12	St. Catharines	Barge—Chd	1881	Port Dalhousie, Ont.	96 0	18 0	8 6	Stephen Bradley, Toronto, Ont.
E. T. No. 13	Hamilton	Schr—Gt	1833	66	22 2	10 7	10 7	Robert Crayford, Kingston, Ont.
E. T. No. 14	New Westminster	Barge—Chd	907	New Westminster, B.C.	85 0	24 0	7 0	Henry J. Humm, London, Eng.
E. T. No. 15	New Westminster	Barge—Chd	909	New Westminster, B.C.	74 4	30 0	10 2	Henry J. Humm, London, Eng.
E. T. No. 16	Walthamstow	Schr—Gt	1873	Allegany, Mich., U.S.A.	140 4	25 7	10 2	W.W. Stover, Sarnia, Ont.
E. T. No. 17	Walthamstow	Schr—Gt	1918	Metochia River, N.S.	169 0	37 4	13 2	Eraser Gray, M.O., LaHave, N.S.
E. T. No. 18	La Have	Schr—Gt	1876	Rock Bay, N.B.	37 2	11 0	6 1	Mrs. Annie Hartkins, Dipper Harbour, N.B.
E. T. No. 19	St. Andrews	Schr—Gt	1876	Rock Bay, N.B.	37 2	11 0	6 1	Mrs. Annie Hartkins, Dipper Harbour, N.B.
E. T. No. 20	La Have	Schr—Gt	1904	Lambert, N.S.	82 5	24 0	9 0	Horace V. Myers, Kingston, Jamaica, R.W.I.
E. T. No. 21	Lambert, N.S.	Schr—Gt	1912	Hull, Que.	113 0	24 2	7 8	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
E. T. No. 22	Ottawa	Barge—Chd	1908	Percoville, Que.	108 7	23 1	6 9	Emile Charland, Montreal, Que.
E. T. No. 23	Sorel	Shoop	1908	Percoville, Que.	108 7	23 1	6 9	Emile Charland, Montreal, Que.

1 Formerly str. "Pere Marquette II." 2 Formerly "A. Boody."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Mani de la T.S.F. - *Abbreviations* - *Abbréviations*: J.O., joint owners - propriétaires conjoints; M.O., Managing owner - propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Ruz. Civiment	Build - Construit en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
103550	E. Maurice	Halifax	Schr - Gll.	1896	Ship Harbour, N.S.	61.5	18.2	6.7	46	Wm. Maurice, Bay St. George, Nfld.
103739	E. Mayfield	Parrishoro	Schr - Gll.	1898	Parrishoro, N.S.	70.7	22.2	7.3	75	Wm. I. Hawes, Parrishoro, N.S.
97192	Eagle	Charlham, N.B.	Schr - Gll.	1891	Tracadie, N.B.	48.6	17.1	5.8	29	M. S. Seward, Negam, N.B.
100998	Eagle	Charlham, N.B.	Schr - Gll.	1892	Tracadie, N.B.	33.0	12.2	4.1	10	T. Alier, Shippigan, N.B.
107294	Earl D.	Annapolis Royal	Schr - Gll.	1900	Port George, N.S.	74.0	24.8	7.7	61	Elias Woodworth, Port George, N.S.
122909	Earl Grey	Lunenburg	Schr - Gll.	1907	Lunenburg, N.S.	91.2	24.7	10.2	96	M. G. Winter, St. John's, Nfld.
117230	Earle V.S.	Lunenburg	Schr - Gll.	1902	Malbone Bay, N.S.	93.2	25.0	9.6	100	John B. Young, Lunenburg, N.S.
74091	Eastern Clipper	Halifax	Schr - Gll.	1861	Georgetown, P.E.I.	58.5	18.4	6.3	35	M. S. Maugath, East Deyver, N.S.
83261	Echo	Toronto	Schr - Gll.	1869	Toronto, Ont.	69.0	14.4	5.7	50	Patrick J. McSherry, Toronto, Ont.
103463	Eddie C.	Yarmouth	Schr - Gll.	1883	Granville, N.S.	36.5	14.3	5.6	14	Jesse Parker, Paul's Harbour, N.S.
121791	Eddie C.	Yarmouth	Schr - Gll.	1892	Argyle, N.S.	32.0	10.5	5.0	11	Leander Auro, Puloos, N.S.
119205	Eddie James	Yarmouth	Schr - Gll.	1902	Port Clyde, N.S.	78.0	22.6	6.0	79	Joseph R. Homer, Barrington Passage, N.S.
121800	Edessa	Yarmouth	Sloop	1905	Shelburne, N.S.	35.0	12.2	6.6	15	Henry A. Anuro, Yarmouth, N.S.
119956	Edgar B.	Montreal	Sloop - Chd.	1905	Shelburne, N.S.	75.2	20.5	6.2	68	J. B. Clements, Yarmouth, N.S.
96976	Edgewood	Montreal	Schr - Gll.	1918	Cardinal, Ont.	191.1	36.8	13.5	699	Quinlan & Robertson, Ltd., Montreal, Que.
96865	Edith	Halifax	Sloop	1892	Sable River, N.S.	51.0	17.5	7.4	40	J. J. Walker, Walkerville, N.S.
140655	Edith Adele	Prescott	Barge - Chd.	1897	Toronto, Ont.	130.0	27.0	11.0	353	The Canada Sugar Refining Co., Ltd., Montreal, Que.
116528	Edith P.S.	Halifax	Schr - Gll.	1912	Pancook, N.S.	52.6	14.6	7.6	33	Fasker Co., St. John's, Nfld.
85883	Edith L.	Yarmouth	Schr - Gll.	1905	La Have, N.S.	69.4	21.8	8.5	67	R. W. Ford, Westport, N.S.
112280	Edith M.	Digby	Schr - Gll.	1883	Westport, N.S.	46.6	13.0	6.0	26	Maynard Young, West Deyver, N.S.
103060	Edith M.	Digby	Schr - Gll.	1902	Port Mulford, N.S.	48.0	15.5	5.3	20	Zoel Tompse, Seven Islands, Que.
138292	Edith M. Cayvell	Shelburne	Schr - Gll.	1916	Shelburne, N.S.	107.2	26.2	10.4	134	Geo. Penny, Remes, Nfld., M.O.
138259	Edith Newhall	Lunenburg	Schr - Gll.	1916	Lunenburg, N.S.	112.0	36.3	10.4	99	Edrides Spindler, Lunenburg, N.S., M.O.
116830	Edith Pauline	Barrington Passage	Sloop	1903	Shelburne, N.S.	32.0	11.0	6.0	10	Reuben C. Swain, Clarke's Harbour, N.S.
121828	Edmond	Montreal	Sloop	1903	Leclercville, Lotbinière, Que.	101.8	23.0	6.3	102	Theophile Charland, St. Jean Deschaillons, Que.
61096	Edmund Russell	Archat	Schr - Gll.	1913	St. Jean Deschaillons, Q.	47.0	15.6	6.0	39	William F. Harris, Chatham, N.S.
96861	Edna	Quebec	Barge - Chd.	1871	Isaac's Harbour, N.S.	129.4	28.0	11.2	269	William O. Stoko, Quebec, Que.
107075	Edna	St. John, N.B.	Sloop	1898	St. John, N.B.	24.8	7.0	2.3	3	W. H. McFarley, St. John, N.B.
107919	Edna Belle	St. Andrews	Sloop	1900	West Isles, N.B.	35.0	12.7	5.2	14	Walter Cleary, Grand Manan, N.B.
126911	Edna H.	Halifax	Schr - Gll.	1910	Pancook, N.S.	47.0	12.9	6.2	17	Robert L. Mosher, Canso, N.S.

SESSIONAL PAPER No. 22

No.	Name	Yarmouth	Port	Tonnage	Capacity	Speed	Agent
122570	Edna M.	Yarmouth	St. John	34 0	11 0	6 0	William J. Halliday, Shag Harbour, N.S.
112238	Edna M. Smith.	St. John, N.B.	Harvey Bank, N.S.	164 9	35 1	18 0	John N. Smith, <i>et al.</i> , Lower Covertdale, N.B.
116989	Edna May.	Parishboro	Parrishboro, N.S.	64 3	22 0	6 8	Stanley W. Woods, Parrishboro, N.S.
130639	Edna R. Hines.	St. John, N.S.	Ingonish, N.S.	41 6	12 9	8 0	Angus J. Hines, <i>et al.</i> , Ingonish, N.S.
112003	Edna V. Dickels.	Moncton	Salmon River, N.S.	154 5	35 0	12 0	Leslie A. Bolden, <i>et al.</i> , Mobile, Ala., U.S.A.
131172	Edouard D.	Moncton	Notre Dame de Pierrerville, Que.	96 5	21 4	5 4	George Descheneaux, Notre Dame de Pierrerville, Que.
117103	Elson Fitch.	Ottawa.	Hull, Que.	120 0	24 0	7 9	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
103449	Edward I.	Quebec.	Buckingham, Que.	67 8	15 7	5 0	Geo. Bethwell, Buckingham, Que.
126936	Edward II.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
126937	Edward III.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
126938	Edward IV.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
126939	Edward V.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
126940	Edward VI.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
131011	Edward VII.	Quebec.	Toronto, Ont.	103 0	28 2	7 6	La Compagnie Generale du Port de Chicoutimi, Chicoutimi, Que.
107954	Edward Grover.	Lunenburg.	Passy, Mass., U.S.A.	79 6	21 6	7 8	Wilson Bennett, Chamel, Nfld.
130930	Ed. McWilliams.	Amherstburg.	Bay City, Mich., U.S.A.	200 0	31 0	14 0	Almaona Dredging Co., Ltd., South Ste. Marie, Ont.
138371	Edward Monk.	Quebec.	North Bay, N.Y., U.S.A.	96 1	17 5	6 6	Agner & Son, Ltd., Quebec, Que.
134234	Edward S.	Moncton.	Montreal, Que.	99 7	28 4	7 0	Opland & Robertson, Ltd., Montreal, Que.
74101	Edward S. Fall.	Charlottetown.	Port-au-Prince, N.S.	68 5	20 6	8 2	Alex. Duncany, <i>et al.</i> , Murray River, P.E.I.
116343	Edward S. Pease.	Owen Sound.	U.S.A.	160 0	35 4	11 0	The Crawford Tug Co., Ltd., Warrton, Ont.
122439	Edward Bros. No. 2	South Ste. Marie.	Bay City, Mich., U.S.A.	70 0	25 4	5 8	Sea Dredging & Towing Co., Ltd., South Ste. Marie, Ont.
117053	Edward Bros. No. 3	South Ste. Marie.	South Ste. Marie, Mich., U.S.A.	63 0	22 0	5 1	Sea Dredging & Towing Co., Ltd., South Ste. Marie, Ont.
97080	Edwin A. Grozier.	Charlottetown.	Essex, Mass., U.S.A.	68 0	20 8	7 4	Claas. Trenholm, Port Elgin, N.B.
97023	Edwina.	Barrington Passage.	Port Elgin, N.B.	31 0	11 9	5 3	Moses Penny, Cape Island, N.S.
103789	Elbe B. Nickerson.	Shedburne.	Shedburne, N.S.	41 0	17 0	7 3	Ernest D. Morehouse, Sandy Cove, N.S.
111425	Elfie Howard.	Halifax.	Sweet Harbour, N.S.	58 0	11 6	6 2	James Dehon, Port aux Travers, Nfld.
94670	Elfie J. Agnew.	Charlottetown.	Langsue, N.S.	53 5	17 0	6 8	John Arney, Alberton, P.E.I.
80721	Elfie Maud.	Quebec.	St. Mary's, N.S.	68 1	20 9	7 5	Edmond Tremblay, A.O. Ystane, Que.
100875	Elfie Maud.	St. John, N.B.	Metis, Que.	62 1	22 0	5 9	Edmond Tremblay, A.O. Ystane, Que.
107955	Elfie May.	St. John, N.B.	Newcastle, N.B.	69 9	21 5	6 5	Harry Woods, Parrishboro, N.S.
89008	Eleria.	St. John, N.B.	Cumberland, N.B.	173 1	35 9	12 3	David Oliver, <i>et al.</i> , Waterborough, N.B.
121856	Eleria.	Lunenburg.	Halifax, N.B.	77 3	25 9	9 2	F. J. Hutchings, New York, N.Y., U.S.A.
53311	Electric Flash.	Halifax.	La Have, N.S.	67 0	21 0	7 4	F. J. R. P., and S. Parrier, J.O. D'Escousse, N.S.
102999	Electro.	Lunenburg.	Vogler's Cove, N.S.	81 0	23 2	6 5	Mrs. Annie Parrier, Montserrat Bridge, P.E.I.
107150	Electron.	Yanouver.	La Have, N.S.	72 8	30 2	6 5	Edgerton Bissett, <i>et al.</i> , Lunenburg, N.S.
116605	Elevator Dredge Premier.	Montreal.	Victoria, B.C.	80 0	31 5	9 2	A. R. Bissett and L. Rogers, Vancouver, B.C.
126251	Elia.	Chatham, N.B.	Escuminac, N.B.	32 3	10 8	5 0	Harbour Commissioners of Montreal, Montreal, Que.
116979	Elie Anne.	Halifax.	Carleton Place, N.B.	40 0	13 2	5 8	Peter Richard, Escuminac, N.B.
92465	Elisla Crowell.	Halifax.	Carleton Place, N.B.	75 5	20 1	7 7	Joseph Dorion (son of John's) Caraquet, N.B.
103580	Eliza.	Chatham, N.B.	Essex, Mass., U.S.A.	72 5	20 1	7 7	S. R. Griffin, Isaac's Harbour, N.S.
100293	Eliza.	Chatham, N.B.	Carleton, N.B.	37 6	13 1	4 6	Robt. Jones & Whitman, Ltd., Halifax, N.S.
71138	Eliza Allan.	Port Dover, Ont.	Shippagan, N.B.	37 6	13 1	4 6	W. M. Searly Young and F. T. B. Young, J. O., Caraquet, N.B.
50931	Eliza Ann.	St. Andrews.	Port Dover, Ont.	34 6	12 1	7 7	Ed. Harris, Port Dover, Ont.
103536	Eliza C.	Halifax.	Grand Manan, N.B.	31 2	12 0	5 9	John Will, Grand Manan, N.B.
	Eliza Fisher.	Port Hope.	Chesapeake, N.S.	45 1	14 0	5 9	Dennis and William Richards, East Chessebrook, N.S.
			Portsmouth, U.S.A.	91 2	24 4	9 3	R. C. Smith, Port Hope, Ont.

¹Formerly a steamer. ²Formerly "Katie A. Burns." ³Recovered wreck.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Mentions: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire géant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'inscription	Rig. Gréement	Build—Construct en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10 ^{es}	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es}	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es}	Registered tonnage. Tonnage enregistré	Owner or Manager Owner, and Address. Armateur ou propriétaire géant, et adresse.
90557	Eliza White	Kingston	Schr—Glt.	1867	Port, Barwell, Ont.	93 0	23 3	8 3	106	P. McManus, Pictou, Ont.
111522	Elizabeth	Digby	Sloop	1887	Comauville, N.S.	36 5	14 0	7 0	21	E. C. Comeau, et al., Comauville, N.S.
51791	Elizabeth	Liverpool	Schr—Glt	1866	Port Mouton, N.S.	41 0	14 8	6 5	20	John Campbell, Liverpool, N.S.
103225	Elizabeth Ann	Port Hawkesbury	Schr—Glt	1899	Cheticamp, N.S.	31 6	11 3	5 5	11	David Bourgeois, Cheticamp, N.S.
126807	Elizabeth D	Yarmouth	Schr—Glt	1911	Meteghan, N.S.	83 0	22 0	7 8	79	A. L. Crowell et al., J.O., Port La Tour, N.S.
131213	Elizabeth Donovan	Sydney, N.S.	Schr—Glt	1912	Ingonish, N.S.	41 0	12 6	8 0	11	William T. Donovan, Ingonish, N.S.
88503	Elizabeth Nash	Sydney, N.S.	Schr—Glt	1883	George's River, N.S.	50 0	18 8	7 2	36	J. H. Christie, Little Bras d'Or, N.S.
90481	Ella D	Halifax	Schr—Glt	1884	Pleasantville, N.S.	49 6	17 6	6 8	32	J. L. Oxner, et al., Chester, Basin, N.S.
116872	Ella M	St. Catharines	Dredge—Drague	1901	Welland, Ont.	101 0	37 0	9 2	384	Simpson Bros. Co., Ltd., Montreal, Que.
80882	Ella Mabel	St. Andrews	Schr—Glt	1880	St. George, N.B.	34 6	12 4	7 3	14	Alec. Calder, Jr., Campbell, N.B.
90712	Ella May	Halifax	Schr—Glt	1885	Chester, N.S.	40 2	14 7	6 0	19	Chas. Cook, Isaac's Harbour, N.S.
103328	Ella May	Port Hawkesbury	Schr—Glt	1900	Steep Creek, N.S.	51 0	14 8	7 5	34	Hilbert Carr, Steep Creek, N.S.
107312	Ella S	Halifax	Schr—Glt	1893	Spry Bay, N.S.	31 2	8 8	5 4	10	James Glasson, Pope's Harbour, N.S.
33653	Eileen Mary	Halifax	Schr—Glt	1878	Passobajo, Que.	71 3	20 4	8 3	66	Andrew H. Olson, Port Hawkesbury, N.S.
107226	Eileen Mand	Halifax	Schr—Glt	1887	Malbone Bay, N.S.	40 4	13 9	6 0	16	Richard Drew, Terence Bay, N.S.
107313	Eileen R	Barrington Passage	Schr—Glt	1901	Pulnico, N.S.	44 2	15 5	9 7	26	Ernest and W. L. Smith, Baccaro, N.S.
7 0774	Ellie	Halifax	Schr—Glt	1876	West Dublin, N.S.	84 0	24 0	9 4	90	The Port Hood Coal Co., Ltd., Halifax, N.S.
116521	Ellwood	Sydney, N.S.	Schr—Glt	1905	Lamenburg, N.S.	48 5	15 5	6 1	46	Daniel Gillis, Sydney, N.S.
58465	Elmito	Quebec	Schr—Glt	1883	Anse St. Jean, Que.	57 6	20 0	7 8	19	Louis Lessard, Quebec, Que.
100189	Elsie	Montreal	Sloop	1889	Porton, Mass, U.S.A.	20 4	6 8	1 9	1	Robt. C. Nellis, Montreal, Que.
83205	Elsie	Windsor, N.S.	Schr—Glt	1881	Parsonboro, N.S.	31 9	13 4	4 9	1	Andrew Miller, St. John, N.B.
111633	Elsie F	Lamenburg	Schr—Glt	1900	Chester Basin, N.S.	66 2	20 6	8 4	62	James Freda, et al., Chester, N.S.
134401	Elsie M. Hart	Lamenburg	Schr—Glt	1914	Lamenburg, N.S.	105 0	26 3	10 4	96	William A. Corbett, M.O., Lamenburg, N.S.
103785	Elva	Sherburne	Schr—Glt	1897	Sherburne, N.S.	88 0	24 0	9 0	119	Pd. A. Dunphy, Sherburne, N.S.
122470	Elva Belle	Yarmouth	Sloop	1906	Clyde, N.S.	32 0	11 2	6 0	11	Medvin McKenzie, et al., Lockport, N.S.
107718	Emblem	Vancouver	Stow—Chd.	1890	Ladner, B.C.	41 5	12 0	2 7	10	Facile Coast Packing Co., Ltd., Vancouver, B.C.
80729	Emelia	Quebec	Schr—Glt	1886	St. Irénée, Que.	44 5	16 5	7 9	25	J. E. Heppell, Matamoras, Que.
54819	Emelia	Quebec	Schr—Glt	1864	Lothbrière, Que.	63 8	20 0	6 5	47	Pangéon Singelo, Les Escoumains, Que.
107372	Emerald	Sydney, N.S.	Schr—Glt	1899	Aspy Bay, N.S.	41 5	13 7	5 3	15	John Buchanan, St. Ann's, N.S.
130956	Emérémence	Charlottetown, N.B.	Schr—Glt	1912	Lamack, N.B.	37 0	13 5	6 0	17	Theophile Noël, Lamack, N.B.
116446	Emerson Faye	Digby	Schr—Glt	1901	Sherburne, N.S.	66 0	18 4	7 8	47	H. V. Myers, Kingston, Jamaica, and A.H. S. Foster, Lucea, Jamaica, J.O.
88293	Emery	Quebec	Barge—Chd.	1884	St. Ours, Que.	99 5	21 8	6 5	97	F. Paul, St. Pierre de Sorol, Que.
103150	Emile Vézina	Quebec	Sloop	1891	Isle aux Grues, Que.	53 2	19 6	4 4	31	Emilien Vézina, Isle aux Grues, Que.

SESSIONAL PAPER No. 22

1379133	Emile Blanchard, Chatham, N.B.	Schr—Glt.	1915	Lower Caraquez, N.B.	44 5	14 2	6 5	22	Patriek Blanchard, Caraquez, N.B.
122581	Emilien Burke, Charlottetown, N.S.	Schr—Glt.	1909	Yarmouth, N.S.	81 0	22 4	9 5	90	Anthony Arsonault, Grandegue, N.B.
111680	Emily, Paresboro, N.S.	Schr—Glt.	1900	Becher's Island, N.S.	64 6	23 1	6 0	59	Harold J. Wulfer, <i>et al.</i> , St. Martins, N.B.
91814	Emily, Windsor, Ont.	Schr—Glt.	1900	Selle River, Ont.	62 4	15 1	3 0	16	E. Parent, Belle River, Ont.
121657	Emily C., Yarmouth, N.S.	Sloop.	1905	Meteghan, N.S.	33 0	14 0	6 0	11	N. Concan, Meteghan, N.S.
134009	Emily E., Chatham, N.B.	Schr—Glt.	1914	Lamek, N.B.	41 5	14 0	6 0	18	Jolin Luce, Lamek, N.B.
163192	Emily E., Lamenburg, N.S.	Schr—Glt.	1905	Mahone Bay, N.S.	55 8	11 2	4 5	10	Jolin F. Ryan, Halifax, N.S.
121817	Emily L., Digby, N.S.	Schr—Glt.	1908	Matheson River, N.S.	35 8	16 1	6 6	30	F. B. Nickerson, <i>et al.</i> , Yarmouth, N.S.
697293	Emma, Chatham, N.B.	Schr—Glt.	1889	Shippagan, N.B.	35 5	13 0	5 0	13	Sebastian Noel, Shippagan, N.B.
92258	Emma, Gaspe, N.S.	Schr—Glt.	1890	Sydenham, Que.	39 5	13 1	5 5	19	Sydney Des Brisay, Petit Rocher, N.B.
103988	Emma, Quebec, Que.	Schr—Glt.	1897	Berthier, Que.	36 0	12 4	5 0	23	Walter Calder, Champobello, N.B.
92516	Emma, St. Andrews, N.S.	Schr—Glt.	1873	Essex, Mass., U.S.A.	47 0	13 3	5 0	10	Walter Calder, Champobello, N.B.
121881	Emma B., Yarmouth, N.S.	Sloop.	1905	Cape Island, N.S.	31 0	10 6	6 0	17	Walter S. Ross, Cape Island, N.S.
103542	Emma B., Halifax, N.S.	Schr—Glt.	1896	Harbour au Bonheur, N.S.	43 0	13 4	6 4	17	F. Fougere, Harbour au Bonheur, N.S.
79913	Emma C., Annapolis Royal, N.S.	Schr—Glt.	1883	Dorchester, N.B.	76 7	25 1	8 3	100	Isaac Hutchison, Brighton, N.S.
107604	Emma D., Weymouth, N.S.	Schr—Glt.	1900	Maxville, N.S.	42 0	13 3	6 0	20	Leon L. Anitault, Yarmouth, N.S.
57476	Emma E., Pictou, N.S.	Schr—Glt.	1894	Clements, N.S.	93 6	24 5	8 0	98	W. B. Warner, Plympton, N.S.
171457	Emma Gidway, Halifax, N.S.	Schr—Glt.	1876	Mink Cove, N.S.	61 0	18 5	7 5	48	J. P. Savage, Antierst, Magdalen Islands, Que.
170554	Emma Jane, Canso, N.S.	Schr—Glt.	1906	White Haven, N.S.	38 0	13 3	7 0	16	John L. George, White Haven, N.S.
83983	Emma Proctor, Port Hawkesbury, N.S.	Schr—Glt.	1887	Port Hawkesbury, N.S.	121 6	29 0	7 8	41	Alex. F. Cameron, Sherbrooke, N.S.
122259	Emma, Quebec, Que.	Barge—Chd.	1907	St. Irene, Que.	58 0	32 0	7 7	249	Canadian Bank of Commerce, H.O., Toronto, Ont.
219109	Emma G., Barrington Passage, N.S.	Sloop.	1906	Clarke's Harbour, N.S.	31 0	11 0	6 0	10	Arthur D. Camp, Louisburg, N.S.
160911	Empire, Chatham, N.B.	Schr—Glt.	1892	Caraquet, N.B.	36 3	12 7	4 4	10	T. Alher, Shippagan, N.B.
116390	Empire, Port Arthur, N.S.	Barge—Chd.	1905	Collingwood, Ont.	169 0	40 0	12 0	768	The Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
134174	Empire No. 1, Montreal, Que.	Barge—Chd.	1880	Ste. Claire, Mich., U.S.A.	170 0	31 5	12 4	518	Empire Coal Co., Ltd., Montreal, Que.
134475	Empire No. 2, Montreal, Que.	Barge—Chd.	1905	U.S.A.	95 0	17 5	8 8	126	Elise Daveau, St. Hilaire, Que.
134476	Empire No. 3, Montreal, Que.	Barge—Chd.	1901	Northumberland, N.Y., U.S.A.	97 3	17 7	8 4	123	Elise Daveau, St. Hilaire, Que.
75569	Empress, Arielech, N.B.	Schr—Glt.	1877	La Have, N.S.	60 0	20 0	7 6	47	Simon Pointier, Desouze, N.S.
160786	Empress, Chatham, N.B.	Schr—Glt.	1888	Caraquet, N.B.	38 0	12 9	4 8	12	Mrs. Sarah Young and F. T. B. Young, J.O., Caraquet, N.B.
121533	Empress, Shelburne, N.S.	Sloop.	1897	Stedgewick, Me., U.S.A.	28 0	12 0	5 1	8	A. H. Perry, Black Point, N.S.
83202	Ema & Elsie, Digby, N.S.	Schr—Glt.	1881	Grand Miram, N.B.	36 9	14 0	5 2	13	Almond Hawkins, <i>et al.</i> , Beaver Harbour, N.B.
126681	Eneau, Montreal, Que.	Schr—Glt.	1909	Cornwallis, N.S.	34 6	12 0	5 2	10	H. B. Short, <i>et al.</i> , Digby, N.S.
92425	England, Quebec, Que.	Barge—Chd.	1863	Noire Dame de Pierreville, Que.	108 9	23 2	7 3	145	Victor Charland, St. Jean Desclatillon, Que.
126381	England, Barrington Passage, N.S.	Schr—Glt.	1909	Brookville, Ont.	148 0	28 0	9 6	319	The Kaine & Bird Transportation Co., Ltd., Quebec, Que.
91735	Enonida, Windsor, N.S.	Bknt—Bkgt.	1889	Stelburne, N.S.	196 0	37 0	19 1	999	Robert S. McKay, Yarmouth, N.S.
91659	Enterprise, Lunenburg, N.S.	Schr—Glt.	1888	Sea View, N.S.	74 4	23 2	8 9	70	Henry J. Lewis, Sydney, N.S.
122437	Enterprise, Yarmouth, N.S.	Sloop.	1905	Cape Island, N.S.	103 0	11 0	6 0	10	Mrs. Bertha E. Smith, Westport, P.E.I.
114911	Erie, Quebec, Que.	Barge—Chd.	1871	Quebec, Que.	123 5	24 8	9 3	207	David O. Gardner, M.O., Port Latour, N.S.
110134	Ermyantrude, Montreal, Que.	Barge—Chd.	1902	Shelburne, N.S.	57 0	17 4	7 6	36	W. W. Tate, Montreal, Que.
126581	Ernest, Shelburne, N.B.	Sloop.	1908	Pierreville, Que.	108 2	23 0	7 4	36	F. MacKenzie, Halifax, N.S.
632776	Esch, Chatham, N.B.	Schr—Glt.	1907	Port Clyde, N.S.	28 5	11 9	5 2	109	Edmond Dancu, J., Pierreville, Que.
121899	Eschmo, Paresboro, N.S.	Schr—Glt.	1905	Caraquet, N.B.	40 0	13 3	6 0	14	Mrs. Sarah Young and F. T. B. Young, J.O., Caraquet, N.B.
100772	Estelle, Yarmouth, N.S.	Sloop.	1901	Apple River, N.S.	79 2	27 6	6 0	99	Herbert Hicels, Clementsport, N.S.
138471	Esther Alephiale, Chatham, N.B.	Schr—Glt.	1892	Tusket Wedge, N.S.	35 0	11 2	6 0	11	Albert E. Carland, Pictou, N.S.
171141	Etcha May, Arielech, N.S.	Schr—Glt.	1905	Caraquet, N.B.	37 1	13 5	5 0	13	P. Rive, Caraquet, N.B.
105147	Etchel, Chatham, N.B.	Schr—Glt.	1896	White Cove, N.S.	46 0	15 7	6 1	425	The Merced A. White Navigation Company, Ltd., Sussex, N.B.
107173	Etchel, Digby, N.S.	Schr—Glt.	1899	White Cove, N.S.	46 0	15 7	6 1	22	Wm. Dewey, Sackville, N.B.

*Foreign name "Mannie Martin."

*Foreign name "Bertha M. Graves."

*Foreign name "Melbourne."

†A recovered wreck.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. *Abbreviations—Abréviations: J.O., Joint owners; M.O., Managing owner; propriétaire conjoint; M.O., Managing owner; propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'enregistrement.	Rig Gréement.	Built—Constructé en	Where Built Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
96863	Elied.....	Montreal.....	Barge—C'hd.....	1897	Toronto, Ont. Kingston, Ont.	158 0	27 9	11 0	399	The Montreal Transportation Co., Ltd., Montreal, Que.
103113	Elied.....	St. Andrews.....	Schr—Glt.....	1910	Halifax, N.S.	30 0	11 0	5 0	10	W. J. Gallabill, Leppenny, N.B.
112236	Elied M.....	St. John, N.B.....	Stoop.....	1901	St. John, N.B.	21 3	9 8	3 0	5	Walter Logan, St. John, N.B.
107475	Elied May.....	Diedrich.....	Stoop.....	1899	Pedler's Cove, N.S.	33 0	12 7	6 0	16	Esau Pedliner, Five Islands, N.B.
124688	Elied May.....	Yarmouth.....	Stoop.....	1904	Charles's Harbour, N.S.	33 0	11 1	6 0	10	S. Messinger, Cape Island, N.S.
122503	Elied R.....	St. Andrews.....	Stoop.....	1902	St. George's Harbour, N.B.	36 0	11 7	6 0	12	Charles M. Richardson, Grand Manan, N.B.
107793	Elied & Currie.....	St. John, N.B.....	Stoop.....	1906	St. John, N.B.	59 8	11 0	6 2	15	Albert Wooster, Grand Harbour, Grand Manan, N.B.
96788	Elienne.....	Halifax.....	Schr—Glt.....	1888	Halifax, N.S.	38 3	9 0	3 7	4	John E. Butler, Halifax, N.S.
100333	Eliora.....	Quebec.....	Stoop.....	1886	Halifax, N.S.	37 6	13 8	5 0	4	Joseph Bergeron, Les Éboulements, Que.
103231	Eliora.....	Montreal.....	Stoop.....	1891	St. Michel, Que.	33 6	21 4	4 8	61	Alphonse Desrochers, Sord, Que.
133916	Elioris d'un Marin.....	Charlottetown, N.B.....	Schr—Glt.....	1913	St. Thomas, Que.	32 0	13 2	5 0	20	Octave Noël, Lameck, N.B.
111527	Eliota H.....	Digby.....	Schr—Glt.....	1901	Lameck, N.B.	35 0	10 2	5 9	10	Warren C. and George Justason, Blacks Harbour, N.B.
122137	Eliota M.....	Yarmouth.....	Stoop.....	1905	Fort, Madras, N.S.	30 0	10 6	6 0	10	Clifford Kendrick, Slang Harbour, N.S.
107496	Eliota N.....	Yarmouth.....	Stoop.....	1905	Barrington, N.S.	30 0	11 4	6 0	48	J. G. Newell, Cape Island, N.S.
103795	Eliota Vaughtan.....	St. John, N.B.....	Stoop.....	1899	Cape Island, N.S.	33 0	23 6	9 4	10	R. P. Thorton, M.O., Sand Point, N.S.
98643	Eliques Treavor.....	St. John, N.B.....	Schr—Glt.....	1898	St. John, N.S.	40 1	26 1	10 1	96	Van Treavor, M.O., La Have, N.S.
134181	Eliques D.....	Montreal.....	Schr—Glt.....	1912	Montreal, Que.	68 2	22 0	4 0	44	Quinlan & Robertson, Ltd., Montreal, Que.
80751	Eliques D.....	Quebec.....	Schr—Glt.....	1889	Esquimaux Point, Que.	62 0	19 3	8 0	48	Henri Bouliane, Tachessap, Que.
141165	Eliques Owen Margarety.....	Parrishoro.....	Schr—Glt.....	1918	Diligent River, N.S.	167 0	36 0	13 0	500	W. N. Reinhardt, et al., La Have, N.S.
107356	Eliques O.....	Sydney, N.S.....	Schr—Glt.....	1897	North Sydney, N.S.	31 3	12 1	4 8	6	John Leonard, Main-a-Dieu, N.S.
112310	Eliques.....	St. Andrews.....	Stoop.....	1907	Grand Manan, N.B.	33 0	13 0	5 5	14	L. C. Gupill, Grand Manan, N.B.
121941	Eliques.....	St. Andrews.....	Stoop.....	1907	Yamaska, Que.	106 0	23 2	6 9	104	Phillipe Yergeau, Montreal, Que.
90768	Eliques King.....	St. Catharines.....	Stoop—C'hd.....	1887	Welland, Ont.	110 9	23 2	6 6	130	Allan J. Holloway, Toronto, Ont.
122572	Eliques.....	Yarmouth.....	Stoop.....	1907	Pulnico, N.S.	33 0	13 0	6 8	12	Thomas Amiro, M.O., Pulnico, N.S.
122461	Eliques.....	Yarmouth.....	Stoop.....	1906	Cape Island, N.S.	30 0	10 6	6 0	10	Aaron Allen, Yarmouth, N.S.
116518	Eliques.....	Zanouburg.....	Schr—Glt.....	1904	Lancashire, N.S.	94 6	25 0	10 0	93	A. J. MacDonald, Halifax, N.S.
121991	Eliques.....	Barrington Passage.....	Stoop.....	1905	Clarke's Harbour, N.S.	30 0	11 9	6 0	11	Eldridge Hagar, Round Bay, N.S., and Alexander J. Perry, Red Head, N.S.
96785	Eva M. B.....	Halifax.....	Schr—Glt.....	1890	Chezzetcook, N.S.	55 4	19 9	8 0	45	James Paquet and Joseph Billiken, Old Fort, Que.
110343	Eva May.....	Arctic.....	Schr—Glt.....	1903	St. Peter's, N.S.	37 5	14 6	5 0	11	Mrs. Henry Ponger, Pothamon, N.S.
90132	Eva May.....	Charlottetown.....	Schr—Glt.....	1901	Summerside, P.E.I.	76 7	21 3	9 0	69	Adam and Walter Grant, J.O., Port Elgin, N.B.
117048	Eva May.....	Barrington Passage.....	Stoop.....	1905	Clarke's Harbour, N.S.	30 0	11 8	6 7	11	Postler Crowell, Clarke's Harbour, N.S.
109965	Eva May.....	Charlottetown.....	Schr—Glt.....	1892	Carapuet, N.B.	36 0	12 3	4 4	10	Penton Carroll, M.O., Chatham, N.B.

SESSIONAL PAPER No. 22

122058	Evangeline.....	Chatham, N.B.	Schr—Glt	1907	New Bandon, N.B.	33	8	11	5	10	2	19	Vilas Frigate, New Bandon, N.B.
92564	Evangeline.....	Halifax	Schr—Glt	1885	Chezetcooke, N.S.	42	5	15	8	6	3	23	John A. Neville, Halifax, N.S.
110675	Evangeline.....	St. Andrews	Shoop	1903	Shelburne, N.S.	37	6	13	3	5	3	15	Arthur Green, Grand Manan, N.B.
122115	Evangeline.....	Sydney, N.S.	Shoop	1906	Bignosse, N.S.	33	6	11	9	5	3	10	John G. Hines, M.O., Lunenburg, N.S.
122281	Eveline.....	Dagby	Schr—Glt	1902	Woloshin, N.S.	40	0	13	7	7	0	22	Geo. D. Green, Apple River, N.S.
103604	Eveline.....	Yarmouth	Schr—Glt	1895	Worris Island, N.S.	32	4	10	8	4	4	31	T. Moulson, Yarmouth, N.S.
133646	Eveline Wilkie	La Have	Schr—Glt	1918	Wargaretsville, N.S.	138	5	32	6	12	1	39	W. N. Reinhardt, M.O., La Have, N.S.
129814	Evelyn.....	Kingston	Schr—Glt	1867	Stormont, Ont.	90	1	22	2	5	7	97	Wm. Myles, Kingston, Ont.
110945	Evelyn V. Miller	Lambourg	Schr—Glt	1910	Madone Bay, N.S.	109	0	26	0	11	2	92	Honry W. Adams, M.O., Lambourg, N.S.
111944	Ewen No. 1	New Westminster	Barge—Chd	1898	New Westminster, B.C.	70	0	21	0	5	5	99	A. Ewen, New Westminster, B.C.
122227	Evacuator	New Westminster	Barge—Chd	1908	New Westminster, B.C.	60	0	18	0	3	3	46	A. Ewen, New Westminster, B.C.
133858	Excelsior	Chatham, N.B.	Dredge—Draug	1908	Chatham, N.B.	38	0	13	0	3	0	13	Pelix Micheland, Bantouche, N.B.
104248	Excelsior	Lambourg	Schr—Glt	1918	La Have, N.S.	107	2	26	3	10	8	100	Charles Conrad, M.O., La Have, N.S.
116846	Excelsior	Owen Sound	Schr—Glt	1891	Spry Bay, N.S.	38	5	12	2	5	8	372	Mrs. M. W. Andrews, Isaac's Harbour, N.S.
80803	Excelsior	Windsor, N.S.	Dredge—Draug	1906	Welland, Ont.	109	0	36	0	9	3	372	Canadian Dredging Co., Ltd., Durham, Ont.
125966	Exhila	Parrsboro	Schr—Glt	1880	Cornwallis, N.S.	43	0	15	5	6	2	14	Wm. Sparks, et al., Grand Manan, N.B.
94678	Extenate	Halifax	Schr—Glt	1908	Port Greenville, N.S.	111	0	34	0	11	4	349	J. Newton Pugsley, Parrsboro, N.S.
				1879	Madone Bay, N.S.	41	0	11	1	5	0	10	Alex. Tough, Harnfield, N.S.
121714	F. No. 1	Vancouver	Scow—Chd	1901	Nanaimo, B.C.	75	0	27	0	7	0	56	John D. Foreman, Vancouver, B.C.
330486	F. A. J. E	New Westminster	Barge—Chd	1910	Praser Mills, B.C.	101	0	32	5	8	2	217	Canadian Western Lumber Co., Praser Mills, B.C.
133898	F. A. J. E	Parrsboro	Schr—Glt	1916	Port Greenville, N.S.	149	2	33	5	11	5	307	The "F. A. J. E." Co., Ltd., Halifax, N.S.
131188	F. A. R. No. 1	Peterboro	Dredge—Draug	1911	Glen Ross, Ont.	60	0	22	6	5	4	63	Fred. A. Robertson and Paul Maloney, Cornwall, Ont.
131859	F. A. R. No. 2	Peterboro	Dredge—Draug	1911	Glen Ross, Ont.	27	2	15	8	4	2	67	Fred. A. Robertson and Paul Maloney, Cornwall, Ont.
131190	F. A. R. No. 3	Peterboro	Dredge—Draug	1917	Glen Ross, Ont.	59	6	26	5	5	0	67	Fred. A. Robertson and Paul Maloney, Cornwall, Ont.
114965	F. B.	Quebec	Schr—Glt	1899	Tadoussac, Que.	46	4	15	5	6	2	21	Joseph E. Cloutin, Chirocotti, Que.
079393	F. B. & Co. No. 1	New Westminster	Barge—Chd	1909	New Westminster, B.C.	70	0	26	0	4	5	82	Wm. H. Dauphine, New Westminster, B.C.
129686	F. G. No. 1	Montreal	Scow—Chd	1909	Cardinal, Ont.	40	0	20	1	4	7	82	Harbour Commissioners of Montreal, Montreal, Que.
330391	F. L. No. 1	Montreal	Scow—Chd	1902	Pictou, N.S.	52	0	22	0	6	4	76	Francis Lemoine, Montreal, Que.
330392	F. L. No. 2	Montreal	Scow—Chd	1901	St. Pierre, Miq.	46	0	20	0	6	8	64	Francis Lemoine, Montreal, Que.
330395	F. L. No. 3	Montreal	Scow—Chd	1901	St. Pierre, Miq.	46	0	20	0	5	7	53	Francis Lemoine, Montreal, Que.
109220	F. L. B. 1	Vancouver	Scow—Chd	1918	New Westminster, B.C.	90	6	32	0	8	3	206	Massed Timber Co., Ltd., Vancouver, B.C.
109221	F. L. B. 2	Vancouver	Scow—Chd	1918	New Westminster, B.C.	121	6	39	7	8	9	365	Massed Timber Co., Ltd., Vancouver, B.C.
109222	F. L. B. 3	Vancouver	Scow—Chd	1918	New Westminster, B.C.	121	6	39	7	8	9	365	Massed Timber Co., Ltd., Vancouver, B.C.
134614	F. R. B. No. 1	Sault Ste. Marie	Scow—Chd	1911	Sault Ste. Marie, Ont.	131	0	35	7	9	0	421	Alex. B. McLean, Sault Ste. Marie, Ont.
134390	F. R. B. No. 6	Sault Ste. Marie	Scow—Chd	1911	Sault Ste. Marie, Ont.	131	0	35	7	9	0	421	Alex. B. McLean, Sault Ste. Marie, Ont.
134611	F. R. B. No. 7	Sault Ste. Marie	Scow—Chd	1911	Sault Ste. Marie, Ont.	131	0	35	7	9	0	421	Alex. B. McLean, Sault Ste. Marie, Ont.
109671	F. R. P. D. Co. 1	New Westminster	Scow—Chd	1912	New Westminster, B.C.	65	0	22	0	5	1	76	Aaron Portway, Sault Ste. Marie, Ont.
140972	F. R. P. D. Co. 2	New Westminster	Scow—Chd	1912	New Westminster, B.C.	65	0	22	0	5	1	76	Aaron Portway, Sault Ste. Marie, Ont.
140973	F. R. P. D. Co. 3	New Westminster	Scow—Chd	1912	New Westminster, B.C.	65	0	22	0	5	1	76	Aaron Portway, Sault Ste. Marie, Ont.
111513	F. & R. No. 1	Vancouver	Barge—Chd	1897	Vancouver, B.C.	77	1	28	2	6	7	86	James T. Tache Paxton, Vancouver, B.C.
116786	F. & R. No. 2	Vancouver	Barge—Chd	1897	Vancouver, B.C.	68	5	21	9	6	0	83	Albert T. Ingram, Vancouver, B.C.
122554	F. & R. No. 3	Vancouver	Barge—Chd	1904	Vancouver, B.C.	74	5	30	2	11	6	131	Wm. H. Hind, Vancouver, B.C.
103198	F. & R. No. 4	Brockville	Barge—Chd	1874	Tonawanda, N.Y., U.S.A.	201	6	35	2	4	7	73	The Central Coal Co., Brockville, Ont.
122018	F. B. Waide	Halifax	Schr—Glt	1895	Avonpool, N.S.	89	0	21	3	3	1	99	Frank S. Tanner, et al., North Sydney, N.S., J.O.
90818	F. H. Burton	Kingston	Schr—Glt	1910	Amnapolis Royal, N.S.	125	0	31	4	11	8	208	Frank S. Tanner, et al., North Sydney, N.S., J.O.
116708	F. W. Thompson	Quebec	Schr—Glt	1893	Dundas, Ont.	103	0	20	5	9	0	137	John Hart, et al., Pictou, Ont.
133311	F. Blanchard	Richibucto	Schr—Glt	1904	Leedsville, Que.	65	3	23	2	7	8	119	Alfred Mollat and Joseph Thierion, Les Escoumains, Que.
129355	F. Mary	Quebec	Yawl—Yole	1911	Clustron Richer, Que.	65	0	11	0	4	5	36	Fred. Blamhardt, Richibucto, N.B.
66058	Fabiola	Quebec	Schr—Glt	1872	Deschambault, Que.	109	0	22	6	9	6	84	Wilfrid Pedneault, Riviere du Loup, Que.
100852	Fairplay	Quebec	Schr—Glt	1893	Anse St. Jean, Que.	70	2	21	9	9	5	147	Thomas Fremette, Portneuf, Que.
100535	Fairy Queen	Yarmouth	Schr—Glt	1893	Clare, N.S.	33	9	11	8	4	4	81	J. Simard, M.O., St. Simone, Que.
103601	Falcon	Halifax	Schr—Glt	1894	Stampro, N.S.	33	9	11	8	4	4	11	Laure Holmes, Jr., Halifax, N.S.
122301	Falcon	Chatham, N.B.	Schr—Glt	1889	Sluipigan, N.B.	33	0	16	6	4	4	10	G. H. Nickerson, Sumbro, N.S.
122310	Falcon	Lambourg	Schr—Glt	1907	La Have, N.S.	79	2	23	2	9	2	85	T. Abier, Sluipigan, N.B.
122310	Falcon	Lambourg	Schr—Glt	1907	La Have, N.S.	79	2	23	2	9	2	85	Philip E. Lake, Fortune, N.B.
88276	Falcon	St. Andrews	Shoop	1907	Fanook, N.S.	30	4	8	0	3	2	12	Keith Hudson, Cowes, Isle of Wight, G.B.
				1881	Fanhook, Me., U.S.A.	29	0	13	0	5	7	12	Judson Stanley, Grand Manan, N.B.

Formerly "Howard L." and Foreign name "I. H. Nickerson."

Formerly a steamer.

Formerly "Great Western."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.
 (Equipped with Wireless—Muni de la T.S.F.—Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.)

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gisement.	Build—Construct en	Where built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107908	Falcon	St. Andrews	Sloop	1890	St. John, N.B.	24 0	10 2	5 0	8	Mrs. Eyeleen Ingalls, Grand Manan, N.B.
130765	Fallon Bros.	Kingston	Dredge—Drague	1896	Prescott, Ont	31 0	30 0	6 5	199	Fallon Bros., J. O., Cornwall, Ont.
103120	Falmouth	St. Andrews	Sloop	1850	Campobello, N.B.	80 0	11 4	6 0	10	W. Dalzelle, sr., Grand Manan, N.B.
74116	Fama	Halifax	Schr—Glt	1877	Sheet Harbour, N.S.	54 0	18 4	7 3	44	Wilson C. Forgeron, West Arichat, N.S.
103077	Fannie	Chatham, N.B.	Schr—Glt	1881	Shippigan, N.B.	34 7	12 0	4 8	16	W. S. Loggie Co., Ltd., Chatham, N.B.
83399	Fannie, R. C.	Halifax	Sloop	1882	Malbone Bay, N.S.	42 0	15 5	6 5	22	Thos. Roberts, Cap Ozo, Que.
88162	Fannie S.	Archieat	Schr—Glt	1882	River Bourgeois, N.S.	49 4	17 0	6 7	28	Daniel Sampson, River Bourgeois, N.S.
130428	Fanny May	St. Andrews	Schr—Glt	1911	Campobello, N.B.	51 1	15 3	7 0	25	William McCallan, Campobello, N.B.
121883	Fanny Rose	Yarmouth	Sloop	1906	Tusket Wedge, N.S.	36 0	12 4	7 0	15	Charles E. Pothier, M.O., Tusket Wedge, N.S.
77763	Fanny Young	Port Hawkesbury	Schr—Glt	1880	Shelburne, N.S.	80 0	22 5	9 1	85	W. T. Eastman and B. Buffett, North Sydney, N.S.
138758	Farlings	Halifax	Schr—Glt	1918	Weymouth, N.S.	139 5	31 4	12 5	114	Parquhar & Co., Ltd., Halifax, N.S.
100467	Favon	Quebec	Sloop	1859	Quebec, Que.	44 8	14 2	4 6	16	P. M. Duchene, Quebec, Que.
61302	Favourite.	Victoria	Schr—Glt	1868	Sooke, B.C.	71 5	22 0	8 5	80	British Columbia & Labrador Fisheries, Ltd., Victoria, B.C.
75614	Fawn	Dugby	Schr—Glt	1877	Shelburne, N.S.	43 6	15 7	6 2	17	James E. Ogilvie, Parrshoro', N.S.
138051	Fee	Chatham, N.B.	Schr—Glt	1906	Lamek, N.B.	41 0	13 6	6 0	18	Zoel Poulin, Lamek, N.B.
129095	Felton C.	Yarmouth	Sloop	1906	Cape Island, N.S.	36 0	13 0	7 0	16	Russell B. Wyman, Yarmouth, N.S.
126728	Fenelon	Peterboro	Scow—Chd	1903	Peterboro, Ont	71 0	26 0	4 6	186	The Minister of Railways and Canals, Ottawa, Ont.
1306599	Ferguson	Halifax	Dredge—Drague	1912	Welland, Ont	80 3	26 4	8 0	387	The Halifax Dredging Co., Ltd., Halifax, N.S.
122921	Fillora	Chatham, N.B.	Schr—Glt	1908	Lamek, N.B.	37 3	12 8	6 3	18	James P. Chiasson, Lamek, N.B.
130576	Flimore H.	Lunenbourg	Schr—Glt	1907	Lunenbourg, N.S.	40 2	10 6	5 6	11	Albert Hubley, Pleasantville, N.S.
138122	Filter	Paspobiac	Schr—Glt	1912	Grand River, Que.	38 0	12 4	3 8	11	Robin, Jones & Whitman, Ltd., Halifax, N.S.
107902	Fin Back	St. Andrews	Sloop	1898	St. John, N.B.	40 0	15 0	6 0	24	Frank Ingersoll, Grand Manan, N.B.
130638	Financier	Chatham, N.B.	Schr—Glt	1911	Bay du Vin, N.B.	33 0	11 3	5 0	10	W. B. Williston, Hardwick, N.B.
121874	Finette May	Yarmouth	Sloop	1906	Yarmouth, N.S.	34 0	9 7	6 0	12	Judson A. Crocker, Yarmouth, N.S.
116882	Fiona	Archieat	Schr—Glt	1903	Port Felix, N.S.	35 0	10 6	6 2	9	Maartin Pedrine, Larry's River, N.S.
92907	First Trial	Sydney, N.S.	Schr—Glt	1889	Ingonish, N.S.	31 6	11 7	5 9	10	J. C. Baker, North Sydney, N.S.
121891	Fish Hawk	Yarmouth	Sloop	1904	Cape Island, N.S.	31 0	11 0	6 0	10	G. A. Swin, M.O., Clarke's Harbour, N.S.
138016	Fish Hunter	Chatham, N.B.	Schr—Glt	1918	Ecol River, N.B.	34 0	11 0	1 5	10	John Muse, Ecol River, N.B.
1306514	Fish Seeker	Chatham, N.B.	Schr—Glt	1911	Caraque, N.B.	40 5	13 5	6 0	20	Gastave Joseph Gallion, Caraque, N.B.
1002298	Fisher	Chatham, N.B.	Schr—Glt	1891	Shippigan, N.B.	35 4	13 5	5 0	12	Andre D. Chiasson, Lamek, N.B.
66749	Fisher	Halifax	Schr—Glt	1875	Liverpool, N.S.	47 4	16 0	6 7	21	J. H. Lane, Owl's Head, N.S.
89065	Fish	St. John, N.B.	Schr—Glt	1884	Indianport, N.B.	76 0	26 0	7 6	94	Amos Tower, St. John, N.B.
92541	Fleet Wing.	St. Andrews	Schr—Glt	1887	Westport, N.B.	39 8	11 3	5 0	11	Addison Matthews, St. George, N.B.
114168	Fleetwing	Chatham, N.B.	Schr—Glt	1901	Shippigan, N.B.	38 8	12 6	5 4	14	Wm. Frung & Co., Ltd., Jersey, C.I.
58227	Fleetwing.	Halifax	Schr—Glt	1884	Chezestcook, N.S.	47 5	18 2	7 8	32	George L. Avery, Larry's River, N.S.

SESSIONAL PAPER No. 22

107665	Fleetwing.....	Quebec.....	1898	Seven Islands, Que.	59 2	18 2	6 2	42	Elie Imbeault, St. Irene, Que.
55176	Flectwing.....	Shelburne.....	1877	Jordan River, N.S.	38 6	13 2	5 6	162	Wm. McMillan, Lockeport, N.S.
69776	Flectwing.....	Windsor, Ont.	1887	Wilson, N.Y., U.S.A.	108 5	24 0	7 9	162	Joseph Cochrane, Port Colborne, Ont.
10867	Pour de Mar.....	St. Andrews	1870	Chicester, Mass., U.S.A.	36 2	13 2	5 6	46	A. G. Boyce, St. John, N.B.
12088	Pleur de Mar.....	Quebec	1863	St. Simons, Que.	61 4	26 2	6 1	40	Mrs. M. Drouillard, et al., Les Fleurements, Que.
123743	Plo F. Mader.....	Yarmouth	1906	Tusker Wedge, N.S.	36 4	13 0	6 6	16	Dr. W. Smith, Port La Tour, N.S.
134489	Plating Concrete Mixer.....	Lambertburg	1896	Waldone Bay, N.S.	91 7	23 0	10 4	308	Charles U. Mader, et al., Malone Bay, N.S.
126770	Plaxing Crane No. 1	Montreal.....	1915	Montreal, Que.	101 2	34 8	5 9	408	Harbour Commissioners of Montreal, Montreal, Que.
85367	Floca.....	Quebec.....	1860	Barrow, G.B.	200 3	43 1	9 2	45	Harbour Commissioners of Montreal, Montreal, Que.
127906	Floca.....	St. Andrews	1866	Portneuf, Que.	70 1	29 2	6 2	65	J. B. Dussault, Portneuf, Que.
122582	Floca B.....	St. Andrews	1866	West Pass, N.B.	55 0	12 2	5 3	34	Grant L. Dakin, Grand Manan, N.B.
11367	Floca Bell.....	Port Hawkesbury	1864	Essex, Mass., U.S.A.	50 0	12 2	5 3	33	Clarence L. Dakin, Grand Manan, N.B.
11065	Floca M.....	Windsor, N.S.	1873	Grand Manan, N.B.	32 9	12 9	7 1	33	Nelson Ingersoll, Grand Manan, N.B.
10280	Floca M. J.....	Halifax	1860	Mill Point, Ont.	50 3	19 9	8 0	39	Gabriel White, Margaree, N.S.
136781	Floca Matthews.....	Port Hawkesbury	1892	Montserrat, N.S.	115 0	22 5	8 6	148	Barton E. Merrim, et al., Parrsboro, N.S.
94834	Floca Woster.....	St. Andrews	1872	Eastern Harbour, N.S.	46 9	13 0	7 1	75	Anselm Cormier, Point Cross, N.S.
116306	Florence.....	Charlottetown	1872	Wassaco, Me., U.S.A.	40 4	12 0	5 7	22	Henry Barnham, Grand Manan, N.B.
96774	Florence.....	Port Hawkesbury	1907	Muskegoville, P.E.I.	31 3	24 0	5 0	14	J. Gallant, Muskegoville, P.E.I.
116091	Florence.....	St. Andrews	1894	Murray Harbour, P.E.I.	34 0	11 6	5 6	74	A. Harding, Souris, P.E.I., and James Jernior, Jr., Georgetown, P.E.I., J.O.
80826	Florence B.....	Windsor, Ont.	1879	Cheticamp, N.S.	33 0	11 4	5 1	11	Thos. Power, Cheticamp, N.S.
121877	Florence C.....	Yarmouth	1880	Bristol, Me., U.S.A.	37 2	14 2	7 2	18	J. F. Eldridge, Beaver Harbour, N.B.
49667	Florence D.....	Port Hawkesbury	1879	Trigon Harbour, N.B.	57 8	14 4	6 0	15	John Kirby, Chapman's Brook, N.S.
117093	Florence E.....	Halifax	1862	Bellefleur, Ont.	90 0	15 6	2 4	32	H. Champou, Belle River, Ont.
112282	Florence F.....	Digby	1880	New Dublin, N.S.	52 4	17 9	7 2	32	Alex. N. Baker, et al., J. O. Poirierville, N.S.
100385	Florence M.....	Sydney, N.S.	1906	Mackay's Point, N.S.	55 6	12 0	7 0	15	Chas. W. Galbreath, Liverpool, N.S.
112380	Florence M.....	Amherst, N.S.	1864	Margaree, N.S.	71 6	21 6	9 1	70	William Buckle, Margaree, N.S.
116348	Florence M.....	Amherst, N.S.	1905	Port Felix, N.S.	36 0	12 0	5 8	20	J. A. Moore, Westport, N.S.
122106	Florence M.....	Amherst, N.S.	1902	Matland, N.S.	40 0	13 0	5 6	10	Peter LeBlanc, Little Bras d'Or, N.S.
85357	Florence M.....	Quebec	1884	Little Bras d'Or, N.S.	54 5	12 5	5 1	76	John W. Tiscoek, Burges, Nfld.
84139	Florence M.....	Quebec	1901	Wallace, N.S.	49 5	15 4	6 5	25	Frank G. Koenig, Sydney, N.S.
85734	Florence M.....	Quebec	1903	L'Ardoise, N.S.	76 7	21 9	8 0	16	Robert Fudge, North Sydney, N.S.
103317	Florence M.....	Digby, N.S.	1903	Petite de Grate, N.S.	39 4	11 2	6 4	10	John L. Darrow, West Berlin, N.S.
84139	Florence M.....	Quebec	1901	Barrington, N.S.	30 0	11 0	6 6	14	Alfred Boudrier, Centreville, N.S.
85734	Florence M.....	Quebec	1901	Parrsboro, N.S.	35 0	14 8	7 2	37	Thos. Gosbee, Murray Harbour, P.E.I.
103317	Florence M.....	Quebec	1901	Eastport, Me., U.S.A.	65 0	21 0	7 9	53	Wm. Michaud, Isle Verte, Que.
85734	Florence M.....	Quebec	1877	Bic, Que.	37 0	12 5	6 4	26	Geo. Tanguay, Quebec, Que.
103317	Florence M.....	Quebec	1882	Bathouan, Labrador	48 0	17 5	6 6	27	Nap. Blais, Esquimaux Point, Que.
85734	Florence M.....	Quebec	1894	Natashquan, Que.	46 6	16 6	6 0	97	Edward LeBlanc, Arichat, N.S.
88348	Florence V.....	Arichat.....	1884	Conqersall, N.S.	80 2	23 9	9 2	306	John B. Patterson, Grand Bank, Nfld.
141083	Flower-dew.....	Victoria	1905	St. Peter's, N.S.	111 9	31 9	12 3	12	Rasmus Hansen, Victoria, B.C.
163902	Floy-burg.....	Barrington Passage	1883	Shelburne, N.S.	34 8	11 3	4 8	20	John Anseman, Little Bras d'Or, N.S.
83235	Floyd.....	Halifax	1883	Seattle, Wash., U.S.A.	43 2	15 8	5 8	11	A. McLoughlin, Tracadie, N.B.
61405	Fly.....	Halifax	1866	Granville, N.B.	36 1	12 1	4 8	40	John Fankauer, Jeddore, N.S.
116275	Fly.....	Halifax	1884	Tracadie, N.B.	37 6	11 8	5 2	13	Simon Mallett, Larry's River, N.S.
12573	Flying Cloud.....	Arichat	1903	Jeddore, N.S.	42 0	10 7	6 9	53	John F. Robitland, Shippagan, N.B.
121665	Flying Cloud.....	Chatham, N.B.	1902	Guysboro, N.S.	37 8	13 2	5 2	18	Robin Jones & Whitman, Ltd., Halifax, N.S.
112151	Flying Foam.....	Chatham, N.B.	1903	Shippagan, N.B.	40 0	13 0	5 8	11	Pobte Devoaux, Eastern Harbour, N.S.
103137	Flying Star.....	Port Hawkesbury	1885	Caraquee, N.B.	32 5	10 8	5 5	35	Thomas A. Farris, Waterborough, N.B.
88072	Flying Yankee.....	St. John, N.B.	1902	Cheticamp, N.S.	51 8	19 6	5 7	12	Robin, Jones & Whitman, Ltd., Halifax, N.S.
138121	Foams.....	Paspouar	1884	Newcastle, N.B.	37 8	12 1	3 7	12	Robin, Jones & Whitman, Ltd., Halifax, N.S.
138121	Foams.....	Paspouar	1916	Grand River, Que.	37 8	12 1	3 7	12	Robin, Jones & Whitman, Ltd., Halifax, N.S.

*Formerly "Cymbeline."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

(Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Rig. Grément.	Build—Construct en.	Where built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Tonnage registered. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
103283	Foderia Area	Quebec	Schr—Gh	1896	Les Laurents, Que.	66 3	30 7	5 8	46	Charles Boucher, Rivière-à-Quels, Que.
126717	Forest Mail	Halifax	Schr—Gh	1877	Newburyport, Mass., U.S.A.	67 5	18 2	6 0	43	Daniel Boudreau, Port Felix, N.S.
55371	Forest Queen	Halifax	Schr—Gh	1867	Tracadie, N.B.	67 4	21 8	9 0	75	P. D. Landry, St. Mary's, Kent, Co., N.B.
53393	Formosa	Magdalen Islands	Schr—Gh	1881	House Harbour, Magd.	57 2	18 8	8 1	43	Theophile Thierault, House Harbour, M.I., Que.
130278	Fort Alexander	Winnipeg	Barge—Chd	1911	Eden Islands, Que.	112 0	30 0	7 6	316	Manitoba Transport, Co., Ltd., Winnipeg, Man.
130498	Fort No. 1	Vancouver	Snow—Chd	1910	Seller, Man.	61 0	26 1	7 0	40	Mrs. W. H. Hind, Vancouver, B.C.
117509	Fortuna	Canso	Schr—Gh	1907	New Westminister, B.C.	43 0	11 9	5 7	40	John H. Cousins, Jr., Canso, N.S.
116179	Fortuna	Charlottetown, N.B.	Schr—Gh	1903	Charlottetown, N.B.	31 0	10 2	4 5	10	Prosper Boudreau, Point Missonite, N.B.
130163	Foundation Co., No. 1 (Chd).	Montreal	Snow—Chd	1910	Lachine, Que.	62 0	26 0	4 8	65	The Foundation Co., Ltd., Montreal, Que.
130101	Foundation Co., No. 2 (Chd).	Montreal	Snow—Chd	1910	Lachine, Que.	62 4	25 8	4 9	63	The Foundation Co., Ltd., Montreal, Que.
130105	Foundation Co., No. 3 (Chd).	Montreal	Snow—Chd	1910	Lachine, Que.	79 0	25 7	5 0	81	The Foundation Co., Ltd., Montreal, Que.
111167	Four Brothers	Charlottetown, N.B.	Schr—Gh	1901	Carriquet, N.B.	39 0	13 0	5 0	13	Arrie Albert, Carriquet, N.B.
133998	Fowle	Charlottetown, N.B.	Dredge—Dredge	1913	Little Branch, N.B.	31 0	11 5	3 8	20	Frederick A. Fowle, Little Branch, N.B.
110526	Frain	St. Andrews	Sloop	1896	West Isles, N.B.	39 0	13 6	6 0	17	Orrville Wilcox, Grand Manan, N.B.
83419	Frances E. Willard	Charlottetown	Schr—Gh	1882	Coveville, Wash., U.S.A.	46 8	13 4	6 3	23	William T. Colford, Victoria, B.C.
135823	Frances Gardner	Lamouche	Schr—Gh	1917	Murray Harbour, P.E.I.	110 0	26 3	10 2	98	James T. and Daniel Skinner, J.O., Georgetown, P.E.I.
122217	Frances L.	St. Andrews	Sloop	1906	White Head, N.B.	29 0	11 0	4 3	10	Spencer Cheney, White Head, Grand Manan, N.B.
135116	Frances Louise	Lamouche	Schr—Gh	1917	Lamouche, N.S.	125 6	38 2	10 2	147	Henry W. Adams, M.O., Lamouche, N.S.
131389	Frances W. Smith	Lamouche	Schr—Gh	1914	Lamouche, N.S.	66 0	21 5	9 8	97	Foreman Mossman, M.O., Rose Bay, N.S.
111401	Frances Willard	Lamouche	Schr—Gh	1900	Chester Basin, N.S.	90 0	21 5	9 8	85	Mann J. Young, Bay of Islands, Nfld.
121872	Francis A.	Yarmouth	Schr—Gh	1905	Steburne, N.S.	81 0	22 3	7 3	43	Henry A. Amiro, Yarmouth, N.S.
116398	Francis D. Cook	Charlottetown	Schr—Gh	1903	Murray River, P.E.I.	55 4	19 3	7 6	22	Reuben Calton, M.O., Murray Harbour, P.E.I.
126532	Francis Lemoine	Montreal	Dredge—Dredge	1901	St. Pierre de Miquelon	78 0	30 0	6 0	232	Francis Lemoine, Montreal, Que.
163612	Francis Xavier	Quebec	Sloop	1891	St. Joseph, Que.	61 0	18 2	4 8	33	F. X. Neron, St. Joseph, Que.
85219	Frank	Halifax	Schr—Gh	1887	Looseport, N.S.	37 0	13 7	5 4	12	David M. Fiddis, Parrsboro, N.S.
92571	Frank	Pictou, N.S.	Sloop	1884	Wallace, N.S.	41 7	13 0	5 2	17	Francis K. Grant, Wallace, N.S.
130321	Frank D. Ewen	Montreal	Barge—Chd	1888	West Bay City, Mich., U.S.A.	202 4	31 8	15 5	878	George Half Coal Company of Canada, Ltd., Montreal, Que.
126727	Frank Fairen	Peterboro	Snow—Chd	1909	Peterboro, Ont.	46 4	16 4	2 0	29	The Minister of Railways and Canals, Ottawa, Ont.
130825	Frank J. Brinton	Lamouche	Schr—Gh	1912	Mahono Bay, N.S.	90 2	25 0	10 3	92	Wm. Gilroy, M.O., Lamouche, N.S.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des NAVIRES à voiles inscrits dans les registres maritimes du Canada, au 31 décembre 1918.

© Equipped with Wireless. Muni de la T.S.F. Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'inscription.	Rig. Grément.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
140934	G. S. McD Co. No. 6	Victoria	Barge—Chd.	1912	New Westminster, B.C.	80 6	40 0	6 5	173	Grant Smith & Co. & McDonnell, Limited, Vancouver, B.C.
140935	G. S. McD Co. No. 7	Victoria	Barge—Chd.	1915	Victoria, B.C.	81 6	40 0	6 9	192	Grant Smith & Co. & McDonnell, Limited, Vancouver, B.C.
97096	G. T. Deane	Quebec	Schr—Glt	1890	Bridgewater, N.S.	123 0	30 0	42 2	285	Quebec Salvage & Wrecking Co., Ltd., Montreal, Que.
138724	G. T. P. No. 1	Prince Rupert	Barge—Chd.	1915	Portland, Ore., U.S.A.	151 0	38 0	9 8	445	Grand Trunk Pacific Railway Company, Montreal, Que.
138725	G. T. P. No. 2	Prince Rupert	Barge—Chd.	1915	Portland, Ore., U.S.A.	152 8	39 1	9 9	459	Grand Trunk Pacific Railway Company, Montreal, Que.
107927	G. & K. No. 1	New Westminster	Barge—Chd.	1906	Ladner, B.C.	50 0	16 0	4 5	33	D. B. Grant, M.O., Ladner, B.C.
124752	G. & K. No. 2	Ottawa	Barge—Chd.	1906	Hull, Que.	121 8	24 1	8 1	196	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
138397	G. A. Highland	Lanenburg	Schr—Glt	1917	Lanenburg, N.S.	112 2	26 3	10 4	109	Clarence Mays, M.O., LaHave, N.S.
122644	G. C. Edwards	Ottawa	Barge—Chd.	1908	Hull, Que.	119 1	24 1	8 0	191	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
137293	G. H. Marie	Quebec	Schr—Glt	1915	Isle aux Coudres, Que.	47 1	17 0	6 5	21	Germain Harvey, Isle aux Coudres, Que.
85282	G. H. Marvatt	Halifax	Schr—Glt	1883	Malbone Bay, N.S.	42 2	16 0	6 6	27	J. O'Toole, Louisbourg, N.S.
120407	G. H. Milson	Ottawa	Barge—Chd.	1909	Hull, Que.	108 0	27 0	7 2	148	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
100311	G. H. Perry	Yarmouth	Schr—Glt	1891	Metegan, N.S.	81 0	22 0	8 0	99	Alfredo McDonald, St. Martins, N.B.
122015	G. H. Warrington	Montreal	Schr—Glt	1872	Verdillon, O., U.S.A.	178 4	31 6	12 5	502	The Barge Ireland Co., Ltd., Montreal, Que.
130438	G. K. Jackson	Sarnia	Schr—Glt	1882	Marmas City, Mich., U. S. A.	164 0	31 0	9 0	553	The Peninsular Tug & Towing Co., Ltd., Warton, Ont.
122282	G. M. Stephens	Shelburne	Sloop	1906	Shelburne, N.S.	35 6	11 5	6 4	12	Lindsay Zwicker, Indian Harbour, N.S.
122488	G. Bluteau	Quebec	Sloop	1907	La Petite Rivière, St. Francois Xavier, Que.	63 6	19 6	5 2	39	Philippe Harvey, Baie St. Paul, Que.
130490	G. Jax	Vancouver	Sloop	1911	New Westminster, B.C.	99 0	32 0	9 0	249	Vancouver Machinery Depot, Ltd., West Vancouver, B.C.
116297	Gabriel A.	Yarmouth	Sloop	1903	Coman's Hill, N.S.	35 0	13 4	8 0	17	David Sprouts, Digby, N.S.
116713	Gabriel de St. Nicholas	Quebec	Sloop	1903	Portauet, Que.	45 6	15 0	5 0	21	Leandro Bouchard, Portauet, Que.
100778	Gambetta	Chatham, N.B.	Schr—Glt	1891	Carasquet, N.B.	36 0	12 8	5 4	13	W. S. Loggie Co., Ltd., Chatham, N.B.
122622	Gander	Chatham, N.B.	Schr—Glt	1897	Res-bull	32 9	10 5	4 9	10	Harold Williston, Bay du Vin, N.B.
140941	Gardner No. 3	Victoria	Barge—Chd.	1913	Victoria, B.C.	60 0	21 5	5 1	54	Wm. E. Gardner, Victoria, B.C.
140942	Gardner No. 4	Victoria	Barge—Chd.	1913	Victoria, B.C.	60 0	21 5	5 1	54	Wm. E. Gardner, Victoria, B.C.
140943	Gardner No. 5	Victoria	Barge—Chd.	1913	Victoria, B.C.	75 0	28 2	6 7	114	Wm. E. Gardner, Victoria, B.C.
140944	Gardner No. 6	Victoria	Barge—Chd.	1913	Victoria, B.C.	51 7	19 8	4 6	34	Wm. E. Gardner, Victoria, B.C.
140945	Gardner No. 7	Victoria	Barge—Chd.	1913	Victoria, B.C.	60 0	24 0	5 0	58	Wm. E. Gardner, Victoria, B.C.
140946	Gardner No. 8	Victoria	Barge—Chd.	1913	Victoria, B.C.	60 0	24 0	5 0	58	Wm. E. Gardner, Victoria, B.C.
140947	Gardner No. 9	Victoria	Barge—Chd.	1913	Victoria, B.C.	65 8	24 0	5 5	70	Wm. E. Gardner, Victoria, B.C.
140948	Gardner No. 10	Victoria	Barge—Chd.	1913	Victoria, B.C.	44 4	13 4	6 2	15	John J. Stubbett, Bluff Harbour, Labrador.
140949	Gardner No. 11	Lanenburg	Schr—Glt	1895	Lanenburg, N.S.	47 4	13 0	6 0	12	The C. Robb, Collas Co., Ltd., Halifax, N.S.
140950	Gazelle	Chatham, N.B.	Schr—Glt	1882	Carasquet, N.B.	31 2	10 0	5 0	13	The C. Robb, Collas Co., Ltd., Halifax, N.S.
114464	Gazelle	Chatham, N.B.	Schr—Glt	1901	Carasquet, N.B.	38 5	13 0	5 3	13	Robin Jones & Whitman, Ltd., Halifax, N.S.
100954	Gazelle	Chatham, N.B.	Schr—Glt	1890	Carasquet, N.B.	36 8	12 2	4 6	10	W. S. Loggie Co., Ltd., Chatham, N.B.

Number	Name	Home	Company	Port	Tonnage	Capacity	Speed	Remarks
82600	Gazelle	Digby	General George C. Parrishoro	Sail-Glt	45	8	6.3	R. B. Harris, et al., Kentville, N.S.
59759	Gazelle	St. Andrews	St. Andrews	Sail-Glt	57	0	6.0	Wm. Dewey, et al., Sackville, N.B.
96733	Gem	Chatham, N.B.	Chatham, N.B.	Sail-Glt	13	7	5.0	Wm. Pinnig, et al., Lunenburg, N.S.
100983	Gem	Chatham, N.B.	Chatham, N.B.	Sail-Glt	32	1	4.5	C. Robb, et al., Halifax, N.S.
111774	Gem	Victoria	Victoria	Sail-Glt	43	0	4.6	Deke Marie, Messeri, B.C.
141161	General George C. Parrishoro	Victoria	Victoria	Sail-Glt	146	3	12.5	"B" Shipping Co., Ltd., St. John's, Nfld.
Hogge								
138557	General Haig	Lunenburg	Lunenburg	Sail-Glt	118	2	26.8	B. C. Smith, M.O., Lunenburg, N.S.
121922	General Almond	Chatham, Ont.	Chatham, Ont.	Dredge-Draught	72	5	10.6	C. S. Beeve, Dredging & Contract Co., Ltd., Toronto, Ont.
88668	General Middleton	Chatham, N.B.	Chatham, N.B.	Sail-Glt	68	3	8.4	William P. Luce, Pictou, N.S.
106766	Genesta	Chatham, N.B.	Chatham, N.B.	Sail-Glt	34	9	5.0	Joseph P. Chasson, Shippagan, N.B.
90771	Genesta	Halifax	Halifax	Sail-Glt	58	3	7.2	Augustus Vincent, Bay St. George, Nfld.
92673	Genesta	Pictou	Pictou	Sail-Glt	35	5	6.7	Augustus Vincent, Bay St. George, Nfld.
121855	Genesta	Yarmouth	Yarmouth	Sail-Glt	42	5	6.6	William M. D'Entremont, M.O., Lunenburg, N.S.
106818	Geneva Ethel	Barrington Passage	Barrington Passage	Sloop	33	7	7.6	Martin Veagher, Canso, N.S.
111876	Geneva May	Yarmouth	Yarmouth	Sail-Glt	54	1	8.0	Leander Munro, Lunenburg, N.S.
112231	Genevieve	St. John, N.B.	St. John, N.B.	Sail-Glt	71	5	7.8	James C. McDear, Fairbairn, N.S.
134258	Genoa No. 1	Victoria	Victoria	Sloop	32	1	6.0	C. A. Corbett, M.O., Wood's Harbour, N.S.
83221	Genoa No. 2	Victoria	Victoria	Sloop	70	0	5.5	Genoa Bay Lumber Co., Ltd., Victoria, B.C.
134259	Genoa No. 3	Victoria	Victoria	Sloop	70	0	5.5	Genoa Bay Lumber Co., Ltd., Victoria, B.C.
83221	Genoa No. 4	Ottawa	Ottawa	Sloop	109	9	7.3	Alphonse Laplante, LaSalle, Que.
130926	Geo. Dansereau	Montreal	Montreal	Barge-Chd	110	5	7.3	Alphonse Dansereau, Grenville, Que.
77819	George Dow	Stincow	Stincow	Sail-Glt	12	0	4.0	Wm. McCall, Fort Credit, Ont.
126069	George Groat	Chatham, N.B.	Chatham, N.B.	Barge-Chd	112	0	3.0	Wm. Snowball Co., Ltd., Chatham, N.B.
92292	George H. Morse	Ottawa	Ottawa	Barge-Chd	112	0	4.0	Wm. Snowball Co., Ltd., Chatham, N.B.
72073	George H. Weeks	Archat	Archat	Sloop	42	4	7.8	The Montreal Paper Co., Ltd., Montreal, Que.
122097	George L.	Yarmouth	Yarmouth	Sail-Glt	34	0	6.0	P. Broynell, Cape Verde, N.B.
116246	George Penman	Saint Ste. Marie	Saint Ste. Marie	Barge-Chd	90	0	6.0	Peter L. and Charles L. LeBlanc, Salmon River, N.S.
134481	George R.	Montreal	Montreal	Sloop	69	1	5.1	James Purvis, Gore Bay, Ont.
107233	Georgina	Montreal	Montreal	Barge-Chd	117	5	12.3	Quinn & Robertson, Ltd., Montreal, Que.
92546	Georgina	Montreal	Montreal	Barge-Chd	83	6	4.9	Montreal Transportation Co., Ltd., Montreal, Que.
116980	Georgina	Yarmouth	Yarmouth	Sloop	34	0	6.0	George H. Lewis, Fort Lorne, N.S.
122092	Georgina	St. Catharines	St. Catharines	Sloop	35	0	5.0	C. H. Blackadar, Halifax, N.S.
121941	Germania	Sorel	Sorel	Sloop	104	7	7.2	J. J. Sangster, Guysboro, N.S.
107397	Gertie Bell	Canso	Canso	Sail-Glt	37	2	6.1	Wm. H. Jossey, Stry Harbour, N.S.
80996	Gertie Belle	Guysboro	Guysboro	Sail-Glt	40	3	6.0	Wm. H. Jossey, Stry Harbour, N.S.
100537	Gertie H.	Digby	Digby	Sail-Glt	54	0	4.3	Arthur Boutlier, M. O., Halifax, N.S.
100447	Gertie Lewis	Canso	Canso	Sail-Glt	75	3	7.2	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
107330	Gertie M. Starr	Halifax	Halifax	Sail-Glt	44	0	5.7	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
122142	Gertrude	Archat	Archat	Sloop	30	0	6.0	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
130556	Gilbert B.	Archat	Archat	Sail-Glt	45	2	1.1	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
131298	Gilbert Islands	Liverpool	Liverpool	Sail-Glt	32	8	4.8	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
102822	Glikoekie	Chatham, N.B.	Chatham, N.B.	Sloop	119	8	11.6	Wm. Strach Young and F. T. B. Young, J. O., Caraquet, N.B.
107931	Gilley No. 1	New Westminster	New Westminster	Barge-Chd	72	0	6.0	James R. Gilley, M.O., New Westminster, B.C.
111595	Gilley No. 2	New Westminster	New Westminster	Barge-Chd	72	0	6.0	James R. Gilley, M.O., New Westminster, B.C.
117157	Gilley No. 3	New Westminster	New Westminster	Barge-Chd	72	0	6.0	James R. and Walter R. Gilley, J. O., New Westminster, B.C.
117156	Gilley No. 4	New Westminster	New Westminster	Barge-Chd	72	0	6.0	James R. and Walter R. Gilley, J. O., New Westminster, B.C.
133871	Gilley No. 5	New Westminster	New Westminster	Barge-Chd	72	0	6.0	James R. and Walter R. Gilley, J. O., New Westminster, B.C.
133033	Ginger	Chatham, N.B.	Chatham, N.B.	Sail-Glt	90	4	7.6	Galley Bros., Ltd., New Westminster, B.C.
118458	Gipsy	Chatham, N.B.	Chatham, N.B.	Sail-Glt	38	2	6.0	Galley Bros., Ltd., New Westminster, B.C.
925759	Gipsy	Parrishoro	Parrishoro	Sail-Glt	52	3	5.9	Galley Bros., Ltd., New Westminster, B.C.
138257	Glacier	Chatham, N.B.	Chatham, N.B.	Sail-Glt	39	3	6.0	Galley Bros., Ltd., New Westminster, B.C.
72532	Glacier	Lunenburg	Lunenburg	Sail-Glt	112	0	10.4	Galley Bros., Ltd., New Westminster, B.C.
100989	Gladiator	St. John, N.B.	St. John, N.B.	Sail-Glt	76	0	6.7	Galley Bros., Ltd., New Westminster, B.C.
112138	Gladiator	Chatham, N.B.	Chatham, N.B.	Sail-Glt	36	0	6.0	Galley Bros., Ltd., New Westminster, B.C.
100964	Gladsone	Chatham, N.B.	Chatham, N.B.	Sail-Glt	36	0	6.0	Galley Bros., Ltd., New Westminster, B.C.
110827	Gladsone	Barrington Passage	Barrington Passage	Sloop	31	6	5.7	Galley Bros., Ltd., New Westminster, B.C.

*Formerly "C. C. Co. No. 9."

*Formerly "C. C. Co. No. 7."

*Formerly "Sandy Hook"

*Formerly "Tyne."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

Ⓢ Equipped with Wireless Muni de la T.S.F. *Aboriginaux* *Aboriginaux*: A.O., boat owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of ship. Nom du navire.	Port of Registry. Port d'inscription.	Rig. Gréement.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
122468	Gladys.....	Yarmouth.....	Sloop.....	1906	Shag Harbour, N.S.....	30 0	11 0	6 0	11	Balwin Foote, Freeport, N.S.
121551	Gladys B. Smith.....	Lunenburg.....	Schr—Glt.....	1905	LaHave, N.S.....	93 5	25 0	10 0	74	Parbilio Smith, Georgetown, Demerara
130581	Gladys E. B.....	Halifax.....	Schr—Glt.....	1911	Tanook, N.S.....	47 2	13 2	7 0	24	Walter Brown, M.O., Herring Cove, N.S.
91944	Gladys E. Whidden	Liverpool.....	Schr—Glt.....	1889	Shelburne, N.S.....	104 0	28 4	11 0	197	James H. MacKinnon, Fording, N.S., and Clats Louvay, Sydney, N.S.
126817	Gladys G. Hart.....	Liverpool.....	Schr—Glt.....	1910	Tanook, N.S.....	53 2	13 8	7 0	27	South Shore Fisheries, Ltd., Liverpool, N.S.
126469	Gladys H.....	Montreal.....	Schr—Glt.....	1892	West Bay City, Mich., U.S.....	212 0	35 0	16 6	919	George Hill Coal Company of Canada, Ltd., Montreal, Que.
122463	Gladys M.....	Yarmouth.....	Sloop.....	1906	Surette's Island, N.S.....	39 0	10 6	6 0	10	James C. Ross, Port La Tour, N.S.
158382	Gladys Mosher.....	Lunenburg.....	Schr—Glt.....	1917	Lunenburg, N.S.....	112 0	26 3	10 4	99	L. M. Rhodenizer, M.O., Lunenburg, N.S.
122574	Gladys Olla.....	Yarmouth.....	Sloop.....	1907	Tusket Wedge, N.S.....	32 0	11 2	6 0	10	Daniel Penney, Stoney Island, N.S.
122305	Gladys S.....	Lunenburg.....	Schr—Glt.....	1906	LaHave, N.S.....	38 4	25 0	10 2	99	Robert Monfren, Ltd., St. Johns, Nfld.
100910	Gleaner.....	Chatham, N.B.....	Schr—Glt.....	1893	Caraque, N.B.....	83 0	12 3	5 2	13	L. Lantaigne, Caraquet, N.B.
971450	Gleaner.....	St. Andrews.....	Schr—Glt.....	1879	West Point, N.S.....	31 0	13 0	5 0	13	Mrs. Victor Cook, St. John, N.B.
111445	Gleaner.....	Ottawa.....	Scow—Chd.....	1898	East Bay, Que.....	53 0	13 0	4 4	20	Mrs. Sarah A. Kelly, Kippewa, Que.
130424	Glenale.....	St. Andrews.....	Sloop.....	1872	Waldoboro, Maine, U.S.A.....	41 0	13 0	5 0	14	Thomas O. Mitchell, Campobello, N. B.
107916	Glenita C.....	St. Andrews.....	Sloop.....	1898	Grand Manan, N.B.....	29 3	11 6	6 4	12	Geo. E. Matthews, St. George, N.B.
111742	Glenwood.....	Lunenburg.....	Schr—Glt.....	1902	Clyde River, N.S.....	100 3	24 9	5 0	99	Chas. A. Steer, St. John s, Nfld.
96782	Glide.....	Halifax.....	Schr—Glt.....	1888	Haக்கett's Cove, N.S.....	33 6	13 5	5 0	1,572	Sydney H. Garrison, Peggy's Cove, N.S.
100108	Glooscap.....	Windsor, N.S.....	Schr—Glt.....	1891	Spencer's Island, N.S.....	248 1	42 9	22 9	21	The Southern Salvage Co., Ltd., Liverpool, N.S.
106920	Gloria.....	Windsor, N.S.....	Cutter.....	1898	Southampton, Eng.....	57 0	12 4	10 0	10	A. Bourdreaux, M. O., Tusket Wedge, N.S.
17137	Gloriana.....	Yarmouth.....	Sloop.....	1904	Tusket Wedge, N.S.....	34 0	11 0	6 0	10	Roderick J McNeill, Yme Valley, P.E. I.
103752	Glyndon.....	Lunenburg.....	Schr—Glt.....	1877	LaHave, N.S.....	52 0	24 9	10 0	239	William Marlon and Wm. L. Horton, J. O., Goderich, Ont..
122612	Goderich.....	Goderich.....	Dredge—Dragee	1911	Goderich, Ont.....	82 0	30 0	7 0	69	S. W. Boyd, Penfield, N. B.
64573	Gold FINDER.....	St. John, N.B.....	Schr—Glt.....	(1871)	Westfield, N. B.....	72 2	25 3	7 2	13	Robin, Jones & Whitman, Ltd., Halifax, N.S.
107775	Gold Seeker.....	Chatham, N.B.....	Schr—Glt.....	1886	Caraque, N. B.....	36 4	12 8	5 5	13	Manougan & English Bay Export Co., Quebec, Que.
92586	Golden Bow.....	Quebec.....	Schr—Glt.....	1900	Antroost, Que.....	71 2	29 0	8 7	42	A. Ouellette, Belle River, Ont.
	Golden Harbor.....	Windsor, Ont.....	Schr—Glt.....	1873	Belle River, Ont.....	68 6	17 7	4 6	24	Sir F. W. Borden, Ganning, N.S.
100270	Golden Light.....	Windsor, N.S.....	Scow—Chd.....	1903	Blomidon, N.S.....	45 5	16 6	5 9	24	James H. Beaver, Pleasant Harbour, N.S.
116507	Golden Rod.....	Lunenburg.....	Schr—Glt.....	1904	LaHave, N.S.....	69 8	22 2	8 6	76	Edward Eismor, M.O., Chester, N.S.
107432	Golden Rule.....	Barrington Passage.....	Schr—Glt.....	1862	Kennabunk, Me., U.S.A.....	90 2	18 2	6 7	49	W. Norman Remhart, M.O., LaHave, N.S.
134049	Golden Ruler.....	Lunenburg.....	Schr—Glt.....	1914	Kennabunk, Me., U.S.A.....	62 0	24 0	9 4	82	Watson Guest, et al., Young's Cove, N.S.
107472	Golden West.....	Lunenburg.....	Schr—Glt.....	1904	Young's Cove, N.S.....	44 5	12 6	5 2	15	James W. Nixon, New Brandon, N.B.
107472	Good G.....	Dieby.....	Schr—Glt.....	1899	Miamostte, N.B.....	32 0	12 0	4 6	10	John West, Toronto, Ont.
122491	Good Intent.....	Chatham, N.B.....	Schr—Glt.....	1907	Miamostte, N.B.....	42 0	12 0	4 6	15	
96850	Good News.....	Toronto.....	Schr—Glt.....	1894	Sand Beach, U.S.A.....	42 0	13 0	4 5	18	

SESSIONAL PAPER No. 22

130881 141163	Gordon Martin Governor Parr.	Sydney, N.S. Parrishoro.	Schr—Glt. Schr—Glt.	1910 1918	Balls Creek, N.S. Parrishoro, N.S.	35 0 200 0	13 1 39 8	10 0 18 5	16 912	John Kavanagh, New Waterford, N.S. Archib F. Davidson and Angus D. Richards, Bridgewater, N.S.
106877	Grace D.	Montreal.	Scow—Chd.	1894	Toledo, Ohio, U.S.A.	91 6	26 7	5 4	106	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
106854	Grace D.	Halifax.	Schr—Glt.	1890	Pennant, N.S.	24 2	10 6	4 8	10	J. Marvatt, Pennant, N.S.
122003	Grace Darling.	La Have.	Schr—Glt.	1906	Malbone Bay, N.S.	66 6	20 6	8 0	64	W. Norman Reinhardt, et al., La Have, N.S.
137888	Grace Hilda.	St. Andrews.	Sloop.	1904	Shedboro, N.S.	38 0	13 0	5 2	12	Judson L. Gupill, Grand Manan, N.B.
111988	Grace M. Filer.	Lanenburg.	Schr—Glt.	1916	LaHave, N.S.	125 8	27 5	9 6	83	J. N. Rabine, LaHave, N.S., and F. A. Smith, Belleville, Ont.
107910	Grace & Ethel.	Pictou, Ont.	Schr—Glt.	1874	Chicago, Ill., U.S.A.	75 5	23 3	9 0	215	Joe Fagan, Belleville, Ont., and F. A. Smith, Belleville, Ont.
107534	Grace C.	St. Andrews.	Sloop.	1899	St. John, N.B.	34 0	13 0	5 3	16	Robert Ingersoll, Grand Manan, N.B.
133879	Granby No. 1.	Vancouver.	Sloop.	1898	Milledgeville, N.B.	24 7	7 3	2 3	1	J. B. Day, St. John, N.B.
116731	Grand Desert.	Halifax.	Barge—Chd.	1875	Bath, Me., U.S.A.	205 6	39 0	24 0	1,294	Constrwise Steamship & Barge Co., Ltd., Vancouver, B.C.
88220	Grandee.	Halifax.	Schr—Glt.	1904	Grand Desert, N.S.	74 0	21 6	8 3	65	Allison LeFrance, House Harbour, M.I., P.Q., and M. Zeki, Amherst, P.Q.
101296	Grandee.	Sydney, N.S.	Schr—Glt.	1883	Mahone Bay, N.S.	37 5	12 9	6 0	14	Alexander Fougere, Halifax, N.S.
107741	Grandee.	Pictou, Ont.	Schr—Glt.	1873	Porsmotta, U.S.A.	107 2	38 5	23 8	1,262	The Dominion Coal Co. Ltd., Montreal, Que.
133810	Granton.	Lanenburg.	Schr—Glt.	1899	St. John's, N.S.	50 0	14 5	10 5	21	Richard J. La Rosh, Kingston, Ont.
112137	Grasshopper.	Chatham, N.B.	Schr—Glt.	1913	Lanenburg, N.S.	104 2	25 8	10 5	92	William Richard, M. O. La Have, N.S.
122490	Grattan.	Quebec.	Schr—Glt.	1902	Caracquet, N.B.	42 0	14 0	7 6	16	Philip Rice, Caracquet, N.B.
116883	Graying.	Amielat.	Barge—Chd.	1907	St. Irene, Que.	121 6	32 0	7 7	25	Canadian Bank of Commerce, Toronto, Ont.
106873	Great Dipper.	Port Hawkesbury.	Schr—Glt.	1904	Port Mulgrave, N.S.	41 0	14 0	6 6	25	Jones Dimpsey, North Sydney, N.S.
106992	Great Mogul.	Chatham, N.B.	Schr—Glt.	1910	Grand Etang, N.S.	40 0	11 4	5 5	10	Joseph R. and David R. Donnet, Grand Etang, N.S.
107906	Green Linnet.	Canso.	Schr—Glt.	1888	Caracquet, N.B.	34 0	13 0	4 4	11	P. Rive, Caracquet, N.B.
107435	Greenback.	St. Andrews.	Schr—Glt.	1886	Tancook, N.S.	37 0	12 0	8 0	12	John D. Ryan, Canso, N.S.
116788	Greenback.	Halifax.	Schr—Glt.	1901	Meteham, N.S.	38 0	11 7	8 0	22	Charles E. King, Grand Manan, N.B.
95508	Grey Eagle.	Vancouver.	Schr—Glt.	1901	Clara Harbour, N.S.	38 5	13 7	5 6	14	A. J. Randle, River Barrow, N.S.
137942	Griff.	St. Andrews.	Schr—Glt.	1911	Beoth Bay, Me., U.S.A.	32 6	11 0	7 0	13	R. Dick, St. George, N.B.
72719	Grimshy.	St. Catharines.	Scow.	1874	St. Catharines, Ont.	137 0	40 0	12 6	631	Coastwise Steamship & Barge Co., Ltd., Vancouver, B.C.
126577	Grip.	Chatham, N.B.	Schr—Glt.	1889	Tracadie, N.B.	37 3	13 2	5 0	11	Dominois Sand & Barging Co., Ltd., Montreal, Que.
138982	Gros Ours.	Port Hawkesbury.	Schr—Glt.	1911	Grand Etang, N.S.	43 5	11 0	6 5	14	Cervais Charnet, Caracquet, N.B.
16591	Guido.	Montreal.	Scow—Chd.	1912	Quebec, Que.	58 3	23 0	6 9	86	Canadian Bank of Commerce, Toronto, Ont.
126223	Guido.	Sarnia.	Sloop.	1901	Dorval, Que.	31 6	8 2	1 6	9	David A. Poir, Montreal, Que.
107763	Guinea.	Charlottetown.	Schr—Glt.	1900	Capa Edmont, P.F.I.	114 9	24 9	7 3	95	William G. Atkinson, Whiteby, Ont.
103494	Gull.	Deseronto.	Sloop.	1865	Ogdenburg, N.Y.	32 5	11 0	4 7	10	William A. McDonald, Murray Harbour, P.F.I.
138248	Gwendolyn II.	Victoria.	Schr—Glt.	1912	Tancook, N.S.	41 4	10 4	5 5	25	Peter Cook, Belleville, Ont.
121827	Gwenola.	Montreal.	Sloop.	1895	Victoria, B.C.	40 0	10 8	2 6	3	Joseph P. Chasson, Grand Etang, N.S.
126880	Gyno.	Digby.	Sloop.	1906	Dorval, Que.	35 0	8 2	2 6	4	Arthur V. Wood, et al., Vancouver, B.C.
117064	H. No. 1.	Ottawa.	Barge—Chd.	1902	Meteham, N.S.	35 0	16 0	5 0	11	Sir Charles Davidson and Peers Davidson, K.C., J. O., Montreal, Que.
17065	H. No. 2.	Ottawa.	Barge—Chd.	1902	Birch Lake, Que.	35 8	13 0	4 0	21	Edward Thomas, Westport, N.S.
17066	H. No. 3.	Ottawa.	Barge—Chd.	1902	Birch Lake, Que.	48 0	13 0	4 0	28	John F. Hurdman, Ottawa, Ont.
17067	H. No. 4.	Ottawa.	Barge—Chd.	1902	Birch Lake, Que.	48 0	13 0	4 0	28	John F. Hurdman, Ottawa, Ont.
17068	H. No. 5.	Ottawa.	Barge—Chd.	1902	Birch Lake, Que.	22 0	13 0	4 0	29	John F. Hurdman, Ottawa, Ont.
134199	H. 24.	Sault Ste. Marie.	Scow—Chd.	1898	Sault Ste. Marie, Mich., U.S.A.	68 0	21 0	8 0	156	John F. Hurdman, Ottawa, Ont.
134200	H. 41.	Sault Ste. Marie.	Scow—Chd.	1895	Sault Ste. Marie, Mich., U.S.A.	75 0	22 0	8 5	140	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134371	H. 42.	Sault Ste. Marie.	Scow—Chd.	1896	Sault Ste. Marie, Mich., U.S.A.	75 0	20 0	8 5	128	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134372	H. 43.	Sault Ste. Marie.	Scow—Chd.	1896	Sault Ste. Marie, Mich., U.S.A.	73 5	20 2	8 8	131	Sydney L. Penhorwood, Sault Ste. Marie, Ont.

*Foreign name "Procter Sand & Gravel Co. No. 10

*Foreign name "Oregon."

*Formerly "No. 5." *Foreign name "Oregon."

*Formerly "Cengo." *Foreign name "Aberdeen."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.
 © Equipped with Wireless—Muni de la T. S. F.—Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Rig Giréement	Built—Construct en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134373	H. 44	Sault Ste. Marie	Scow—Chd.	1898	Sault Ste. Marie, Mich., U.S.A.	60 0	20 0	6 0	72	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134374	H. 45	Sault Ste. Marie	Scow—Chd.	1895	Sault Ste. Marie, Mich., U.S.A.	73 5	22 0	8 0	129	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
85750	H. B.	Quebec	Schr—Glt.	1883	Esquimaux Point, Que.	63 5	21 0	8 2	57	Edouard Boudreault, Esquimaux Point, Que.
126256	H. C. 3	Chatham, N.B.	Scow—Chd.	.....	U.S.A.	93 0	35 0	7 0	204	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
126257	H. C. 4	Chatham, N.B.	Scow—Chd.	.....	U.S.A.	93 0	35 0	7 0	204	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
134021	H. C. M. No. 5	Montreal	Dredge—Drauge	1910	Toronto, Ont.	104 4	36 2	8 7	498	Harbour Commissioners of Montreal, Montreal, Que.
138059	H. C. M. Derrick	Montreal	Scow—Chd.	1915	Montreal, Que.	75 5	27 2	6 4	197	Harbour Commissioners of Montreal, Montreal, Que.
138100	H. C. M. Derrick	Montreal	Scow—Chd.	1915	Montreal, Que.	77 0	27 2	6 4	196	Harbour Commissioners of Montreal, Montreal, Que.
138101	H. C. M. Derrick	Montreal	Scow—Chd.	1913	Montreal, Que.	80 5	27 0	5 9	197	Harbour Commissioners of Montreal, Montreal, Que.
138102	H. C. M. Derrick	Montreal	Scow—Chd.	1914	Montreal, Que.	80 1	27 1	5 8	195	Harbour Commissioners of Montreal, Montreal, Que.
138103	H. C. M. Derrick	Montreal	Scow—Chd.	1913	Montreal, Que.	80 1	27 0	5 9	196	Harbour Commissioners of Montreal, Montreal, Que.
138104	H. C. M. Derrick	Montreal	Scow—Chd.	1914	Montreal, Que.	87 1	31 1	7 2	288	Harbour Commissioners of Montreal, Montreal, Que.
138097	H. C. M. Dredge	Montreal	Dredge—Drauge	1911	Sorel, Que.	104 2	39 2	8 9	550	Harbour Commissioners of Montreal, Montreal, Que.
138098	H. C. M. Drill Boat	Montreal	Scow—Chd.	1910	Montreal, Que.	80 3	27 2	4 0	198	Harbour Commissioners of Montreal, Montreal, Que.
126297	H. C. B.	Canso	Schr—Glt.	1911	Tanook, N.S.	43 6	12 7	6 8	18	Harry Kavanagh, M.O., Canso, N.S.
134143	H. M. C. No. 1	St. John, N.B.	Scow—Chd.	1912	Goderich, Ont.	97 6	31 2	8 4	215	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
134144	H. M. C. No. 2	St. John, N.B.	Scow—Chd.	1912	Goderich, Ont.	97 6	31 2	8 4	203	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
134147	H. M. C. No. 3	St. John, N.B.	Scow—Chd.	1911	St. John, N.B.	60 6	22 0	6 5	69	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
134148	H. M. C. No. 4	St. John, N.B.	Scow—Chd.	1911	St. John, N.B.	60 2	21 8	6 5	69	James R. Mooney, St. John, N.B.
134150	H. M. C. No. 6	St. John, N.B.	Scow—Chd.	1911	St. John, N.B.	60 4	30 2	4 5	129	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.

SESSIONAL PAPER No. 22

134151	H. M. C. No. 7.	St. John, N.B.	Seaw—Chd.	1911	St. John, N.B.	44 9	16 2	3 0	17	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
134152	H. M. C. No. 8.	St. John, N.B.	Seaw—Chd.	1911	St. John, N.B.	37 0	14 0	2 5	33	The Maritime Dredging & Construction Co., Ltd., St. John, N.B.
130809	H. S. G. Co., No. 1.	Vancouver	Dredge—Draige	1910	Vancouver, B.C.	64 0	24 0	5 7	171	Howe Sound Gravel Co., Ltd., Vancouver, B.C.
140898	H. S. M. A.	Vancouver	Seaw—Chd	1911	Vancouver, B.C.	63 7	25 7	6 2	91	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
140893	H. S. M. B.	Vancouver	Seaw—Chd	1906	Vancouver, B.C.	94 9	31 8	7 4	155	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
126201	H. S. M. C.	Vancouver	Seaw—Chd	1906	Vancouver, B.C.	83 0	28 9	6 8	185	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
130755	H. S. M. D.	Vancouver	Seaw—Chd	1911	Vancouver, B.C.	77 3	32 1	6 6	148	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
140894	H. S. M. E.	Vancouver	Seaw—Chd	1907	Vancouver, B.C.	68 0	26 0	6 0	88	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
130895	H. S. M. H.	Vancouver	Seaw—Chd	1909	Vancouver, B.C.	93 8	31 6	7 4	183	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
140896	H. S. M. I.	Vancouver	Seaw—Chd	1911	Vancouver, B.C.	62 7	24 0	5 9	73	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
140897	H. S. M. S.	Vancouver	Seaw—Chd	1906	Vancouver, B.C.	68 4	26 0	5 9	87	B. C. Mills Tug & Barge Co., Ltd., Vancouver, B.C.
96756	H. A. Holder.	St. John, N.B.	Sloop	1889	Greenwich, N.B.	81 7	27 0	7 1	91	John Vasson, et al., Two Islands, N.S.
117049	H. C. Phillips	Barrington Passage.	Sloop	1905	Clarke's Harbour, N.S.	32 0	10 0	6 7	11	Osborn Murray, Clark's Harbour, N.S.
111418	H. H. Kitchener.	Lanenburg	Schr—Glt	1900	La Have, N.S.	90 2	25 0	4 0	100	Howard Murray, Charlottetown, P.E.I., and Jeremiah Murray, Sydney, N.S.
133807	H. H. MacIntosh.	Lanenburg	Schr—Glt	1913	Mahone Bay, N.S.	108 8	26 2	10 6	99	Wm. Smith, M. O., Lanenburg, N.S.
90814	J. M. Balbou.	Port Hope.	Schr—Glt	1897	Oak Dalhousie, U.S.A.	80 9	17 6	6 4	52	E. Goldring, Toronto, Ont.
72580	H. M. Stanley	Midland.	Schr—Glt	1873	Port Dalhousie, N.S.	132 3	25 6	11 7	305	The Morden Transit Co., Ltd., Midland, Ont.
137930	H. P. Albert.	Windsor, N.B.	Schr—Glt	1816	Wegau, N.B.	46 5	15 0	8 3	21	Fredereck H. Albert, Neguac, N.B.
80951	H. N. Todman.	Windsor, Ont.	Schr—Glt	1867	Nequigon, Ont.	92 2	22 6	8 3	110	Wm. Stone Rice, Puce, Ont.
100856	H. Auger.	Quebec.	Schr—Glt	1882	Les Laurents, Que.	54 6	15 6	6 6*	37	Joseph N. Dussault, Les Ecureuils, Que.
112284	Haines Bros.	Digby.	Schr—Glt	1902	Megehan, N.S.	55 6	17 8	6 9	46	Charles M. Hicks and Arthur R. Hicks, Westport, N.S.
90730	Halicca.	Halifax.	Cutter.	1887	Dartmouth, N.S.	33 2	6 4	5 5	6	Samuel Troit, Seaton, England.
121835	Halytan.	St. John, N.B.	Schr—Glt	1905	Cambridge, N.B.	44 7	15 6	8 3	31	Warren A. E. Dykeman, Cambridge, N.B.
92452	Hamburg.	Windsor, N.S.	Schr—Glt	1886	Hantsport, N.S.	216 2	43 0	23 1	1,412	The Gypsum Packet Co., Ltd., Windsor, N.S.
103337	Hamilton.	Montreal.	Barge—Chd	1847	Niagara, Ont.	173 0	26 0	11 4	443	Grant Cooper, Toronto, Ont.
111661	Hamilton.	Montreal.	Barge—Chd	1910	Sorel, Que.	202 2	41 0	13 1	970	Montreal Transportation Co., Ltd., Montreal, Que.
141032	Hanbury No. 1	Vancouver	Seaw—Chd	1911	Hamilton, Ont.	80 7	32 0	7 5	164	J. Hanbury & Co., Ltd., Vancouver, B.C.
116287	Handy No. 1	Halifax.	Schr—Glt	1903	Sheet Harbour, B.C.	37 3	12 2	6 3	15	John P. Westhaver, Sheet Harbour, N.S.
190798	Happy No. 1	Victoria.	Barge—Chd	1888	Tacoma, Wash., U.S.A.	76 0	26 0	6 0	103	Sayward Mills & Timber Co., Ltd., Victoria, B.C.
74128	Happy-Go-Lucky.	Charlottetown.	Schr—Glt	1877	Port Medway, N.S.	56 0	19 0	7 0	36	Arthur Forest and Walter Duann, West Arichat, N.S.
100815	Happy Home.	Barrington Passage.	Schr—Glt	1894	Cape Negro, N.S.	36 0	11 3	4 5	10	W. H. Harris, Halifax, N.S.
111849	Happy Home.	Chatham, N.B.	Schr—Glt	1902	Caranquet, N.B.	40 0	13 0	5 7	16	H. LeBonduhier, Caraquet, N.B.
116962	Happy Home.	St. Andrews.	Schr—Glt	1904	Parfield, N.B.	37 5	15 6	7 0	24	Daniel Thompson and Jno. McDowell, Pennfield, N.B.
123341	Hardy.	Toronto.	Dredge—Drigne	1905	Toronto, Ont.	66 4	19 3	5 0	64	Sand & Dredging, Ltd., Toronto, Ont.
100956	Harold N.	Chatham, N.B.	Schr—Glt	1893	Shippigan, N.B.	36 0	12 1	4 7	12	W. S. Loggie Co., Ltd., Chatham, N.B.
130678	Harper.	Lanenburg.	Schr—Glt	1908	Little Tanook, N.S.	40 8	9 8	5 0	10	John E. and Roy C. Leslie, Spry Bay, N.S.
94839	Harriet.	St. Andrews.	Schr—Glt	1882	Port Island, N.B.	30 0	12 2	6 2	14	Abraham Mathews, Campobello, N.B.
130766	Harriet D.	Kingston.	Barge—Chd	1885	Mount Clemens, N. Y.	163 9	32 2	11 4	490	John Donnelly, Kingston, Ont.
80825	Harry B.	Charlottetown.	Schr—Glt	1880	Bridgewater, N.S.	67 0	21 8	5 8	67	Gilbert Renaud, et al., Buctouche, N.B.
111839	Harry C.	Digby.	Schr—Glt	1908	Liverpool, N.S.	33 0	10 0	5 7	16	Fred J. Coggins, Westport, N.S.
107342	Harry C. Ellis.	Yarmouth.	Sloop	1901	Salmon River, N.S.	45 0	13 4	7 0	16	W. G. Longmire and E. J. Henderson, Annapolis Royal, N.S.
119688	Harry Dickson.	Richibucto.	Schr—Glt	1909	Richibucto, N.B.	32 8	11 8	5 0	10	David L. Thompson, Richibucto, N.B.
116594	Harry M. Johnson.	Yarmouth.	Sloop	1904	Clarke's Harbour, N.S.	38 4	12 0	6 0	14	Millage Atkinson, Cape Island, N.B.
116522	Harney W.	Parishboro.	Schr—Glt	1903	Port Greenville, N.S.	123 3	32 2	11 2	271	Stuart Bankhardt, Algiers, Algeria.
107811	Hastings.	Peterborough.	Barge—Chd.	1897	Barnett's Mills Landings, Ont.	61 0	15 5	4 5	36	Frank Burnett, Birdsall, Ont.
88401	Hattie.	Digby.	Schr—Glt	1884	Green Cove, N.S.	57 8	17 5	6 6	37	E. C. Bowers, et al., Westport, N.S.
112120	Hattie.	Lanenburg.	Schr—Glt	1903	Lanenburg, N.S.	44 4	12 3	5 7	12	Arthur Jollymore, Indian Harbour, N.S.
100388	Hattie.	Sydney, N.S.	Schr—Glt	1894	Aspy Bay, N.S.	54 7	17 0	5 8	27	W. J. Naus, Halifax, N.S.
83296	Hattie Ann.	Kingston.	Sloop	1883	Cranberry Lake, Ont.	84 4	17 4	4 8	51	James Mullens, Belleville, Ont.
122448	Hattie B.	St. Andrews.	Sloop	1903	Megehan, N.S.	25 0	11 0	4 6	10	Wilmet Benson, Grand Manan, N.B.
85898	Hattie C.	St. John, N.B.	Schr—Glt	1883	Hopewell Cape, N.B.	97 5	23 4	10 0	160	Thomas King, North Sydney, N.S.

* Foreign name "Eleonor." † A recovered wreck.

1 Formerly "Jessie H. Breck." 2 Formerly a steamer.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.
 ©Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'inscription.	Rig. Gréement.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
90647	Hattie Pindine.....	Yarmouth.....	Sail—Glt.....	1885	Pubnico, N.S.	41 8	14 0	4 8	12	H. W. Moulton Co., Ltd., North Sydney, N.S.
112190	Hattie Hunt.....	Chatham, Ont.....	Sail—Glt.....	1913	No. Sydney, N.S.	130 0	28 0	9 0	188	Frank Granville, Chatham, Ont.
107437	Hattie L.....	St. Andrews.....	Sloop.....	1873	Saugateck, Mich., U.S.A.	29 6	12 0	5 5	12	Francis A. Cheney, Grand Manan, N.B.
126579	Hattie L. B.....	Port Hawkesbury.....	Sail—Glt.....	1911	Musquash, N.B.	43 4	12 2	6 5	12	Medrick LeBlanc, Little River, N.S.
130422	Hattie Louisa.....	St. Andrews.....	Sail—Glt.....	1885	Goldshoro, Me., U.S.A.	64 9	19 4	6 5	46	Charles P. Morrell, et al., Freeport, N.S.
111516	Hattie Louise.....	St. John, N.B.....	Sloop.....	1898	Seal Cove, N.B.	33 9	13 0	5 0	11	James W. Wooster, Grand Manan, N.B.
130472	Hattie M. J.....	Halifax.....	Sail—Glt.....	1909	Tancook, N.S.	42 2	10 4	5 4	12	Richard Coolen, M.O., East Dover, N.S.
103722	Hattie McKay.....	Parrsboro'.....	Sail—Glt.....	1896	Parrsboro', N.S.	68 1	32 2	7 3	74	Jas. H. Card, Parrsboro', N.S.
122430	Hattie Mand.....	Halifax.....	Sail—Glt.....	1908	Tancook, N.S.	44 7	12 4	5 4	16	John J. Berrigan, Canso, N.S.
121865	Hattie Manlen.....	Halifax.....	Sloop.....	1904	Clark's Harbour, N.S.	30 0	10 6	6 0	10	Wm. L. Quimby, Clark's Harbour, N.S.
807990	Hattie T.....	Yarmouth.....	Sail—Glt.....	1883	Beaver River, N.S.	42 5	14 6	5 2	16	D. O. Kendrick, et al., Shag Harbour, N.S.
107480	Hattie & Eva.....	Barrington Passage.....	Sloop.....	1900	Freeport, N.S.	32 4	11 2	5 2	11	Rudolph Campbell, et al., Freeport, N.S.
121797	Hattie & Ina.....	Digby.....	Sloop.....	1905	Shedburne, N.S.	41 0	11 6	6 0	10	E. W. A. Duono, Carleton Village, N.S.
83463	Haydeck.....	St. Andrews.....	Sail—Glt.....	1852	Newark, Conn., U.S.A.	38 0	17 0	7 0	33	W. James, Campobello, N.B.
126562	Hawley Brothers.....	Sydney, N.S.....	Sail—Glt.....	1909	Ingonish, N.S.	37 7	12 3	6 6	11	James T., John W. and Charles J. Hawley, Ingonish, N.S.
130828	Hay Boy.....	Kingston.....	Scow—Gld.....	1911	Wolfe Island, Ont.	65 2	20 0	5 1	77	Grant Lyke, Wolfe Island, Ont.
122498	Hayward.....	Chatham, N.B.....	Dredge—Dredge	1908	Loggieville, N.B.	65 0	28 0	6 5	88	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
126258	Hayward 5.....	Chatham, N.B.....	Lighter.....		U.S.A.....	76 0	23 0	7 6	115	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
126259	Hayward 6.....	Chatham, N.B.....	Lighter.....		U.S.A.....	76 0	23 0	8 0	123	Northern Dredging & Construction Co., Ltd., Loggieville, N.B.
122577	Hazard.....	Yarmouth.....	Sail—Glt.....	1907	Yarmouth, N.S.	65 5	20 4	7 8	63	Samuel Hart, Jamaica, B.W.I.
122130	Hazel B. Miller.....	Yarmouth.....	Sloop.....	1906	Barrington, N.S.	30 0	11 0	6 0	10	David E. Waikins, Barrington, N.S.
122083	Hazel B. Miller.....	Charlottetown.....	Sail—Glt.....	1907	Charlottetown, P.E.I.	80 1	23 4	8 1	72	J. P. Lantegne, Carleton, N.B.
80643	Hazel Dell.....	Charlottetown.....	Sail—Glt.....	1883	Pubnico, N.S.	79 9	21 9	9 1	87	James Bourdreaux, St. Peters, N.S.
128586	Hazel E. Herman.....	St. Andrews.....	Sail—Glt.....	1917	Dyersburg, N.S.	104 8	26 2	10 4	98	George H. Herman, M.O., La Hays, N.S.
116677	Hazel J.....	St. Andrews.....	Sloop.....	1904	Shedburne, N.S.	37 0	13 3	5 5	15	Monford Lorrimer, Grand Manan, N.B.
129274	Hazel Levey.....	Halifax.....	Sail—Glt.....	1919	Owls Head, N.S.	41 8	11 5	5 4	14	Cyrus Levey, Owls Head, N.S.
127883	Hazel K.....	Lamouche.....	Sail—Glt.....	1906	Lamouche, N.S.	42 0	11 2	5 1	12	Obadiah Richard, LeLayve, N.S.
112988	Hazelwood.....	Shedburne.....	Sail—Glt.....	1902	Barrington, N.S.	50 1	16 7	7 2	29	Benjamin Cunningham, M.O., Cape Sable Island, N.S.
92372	Hazelwood.....	Barrington Passage.....	Sail—Glt.....	1888	Moos Chit, N.B.	93 3	26 6	7 5	99	Michael O'Brien, Barrington, N.S.
71143	Heather Belle.....	Goodrich.....	Sail—Glt.....	1868	Petcom, Ont.	43 0	22 3	7 0	121	R. Gawley, Eastport, N.S.
103948	Hebe.....	Halifax.....	Sloop.....	1890	Malou Bay, N.S.	90 2	10 6	3 0	8	J. M. Allen, Halifax, N.S.
28468	Hector.....	Arichat.....	Sail—Glt.....	1865	River Bourgeois, N.S.	59 8	17 9	7 5	35	Geo. Walker, Basin River Inhabitants, N.S.

SESSIONAL PAPER No. 22

90735	Hector	Port Hawkesbury	Schr—Glt	1886	Basin River Inhabitants, N.S.	Kingston, Ont.	170 3	35 5	31 0	10 5	4 7	4 7	539	II	Nicholas McDonald, River Inhabitants, N.S.
80699	Hector	Montreal	Barge—Chd.	1882	Kingston, Ont.	Kingston, Ont.	170 3	35 5	31 0	10 5	4 7	4 7	539	II	Nicholas McDonald, River Inhabitants, N.S.
90659	Hector W. McG.	Port Hawkesbury	Schr—Glt	1886	Lunenburg, N.S.	Lunenburg, N.S.	79 9	23 5			11 9	11 9	99		David Murray, et al., Port Hawkesbury, N.S.
103876	Helen	Montreal	Scow—Chd.	1884	Toledo, Ohio, U.S.A.	Toledo, Ohio, U.S.A.	96 6	26 7			5 4	5 4	105		Montreal Sand & Gravel Co., Ltd., Montreal, Que.
83377	Helen	Toronto	Schr—Glt	1882	Oakville, Ont.	Oakville, Ont.	79 3	19 7			5 4	5 4	106		J. H. Goldring, Toronto, Ont.
122232	Helen C.	Yarmouth	Sloop	1905	Shelburne, N.S.	Shelburne, N.S.	30 0	10 6			6 9	6 9	10		Nelsoniah Crowell, Wood's Harbour, N.S.
122230	Helen Davis	Barrington Passage	Sloop	1906	Clarke's Harbour, N.S.	Clarke's Harbour, N.S.	33 6	11 4			6 9	6 9	12		Laufus Brannen, M.O., Clarke's Harbour, N.S.
126185	Helen M.	Parsonsboro	Schr—Glt	1895	Jordan Bay, N.S.	Jordan Bay, N.S.	34 0	21 6			7 2	7 2	62		Jno. J. Rankin, Inverness, N.S.
163920	Helen M. Coolen	Lunenburg	Schr—Glt	1915	Port Greenville, N.S.	Port Greenville, N.S.	34 0	11 7			6 9	6 9	61		L. Winter and W. Martin, Parsonsboro, N.S.
134400	Helen M. Crosby	Port Hawkesbury	Schr—Glt	1914	Malosso, Mass., U.S.A.	Malosso, Mass., U.S.A.	97 6	25 0			7 1	7 1	64		A. F. Cameron, Shelburne, N.S.
90734	Helen M. Crosby	Halifax	Schr—Glt	1896	Freeport, N.S.	Freeport, N.S.	43 5	15 6			6 1	6 1	29		Howard Jencks, Jeddore, N.S.
106654	Helen Maud	Liverpool	Schr—Glt	1906	Liverpool, N.S.	Liverpool, N.S.	83 0	23 3			8 9	8 9	79		George A. Buifett, Grand Bank, Nfld.
116917	Helen Var	St. Andrews	Schr—Glt	1907	Campobello, N.B.	Campobello, N.B.	37 0	18 6			6 5	6 5	29		Mrs. L. M. Calder, Campobello, N.B.
122590	Helen and Beatrice	St. Catharines	Barge—Chd	1905	Merrilton, Ont.	Merrilton, Ont.	135 3	26 2			8 0	8 0	218		The Canadian Sand & Gravel Co., Ltd., Thorold, Ont.
116874	Helena	Victoria	Sloop	1877	Victoria, B.C.	Victoria, B.C.	37 5	11 4			4 0	4 0	11		Jas. Cossford, Victoria, B.C.
129578	Hennipin	Port Hawkesbury	Schr—Glt	1911	Grand Etang, N.S.	Grand Etang, N.S.	42 0	11 4			6 7	6 7	12		Joseph M. Cormier, Grand Etang, N.S.
112009	Hennietta	Port Arthur	Dredge—Drauge	1879	Duluth, Minn., U.S.A.	Duluth, Minn., U.S.A.	126 0	28 0			4 0	4 0	125		Algonia Builders' Supply Co., Ltd., Port Arthur, Ont.
112254	Hennette	Vancouver	Schr—Glt	1906	New Harris, N.S.	New Harris, N.S.	158 0	26 0			8 9	8 9	672		Henriette Ship Co., Ltd., Vancouver, B.C.
11578	Henry Fitzhugh	Toronto	Barge—Chd	1866	New Harris, N.S.	New Harris, N.S.	70 0	20 5			1 0	1 0	300		The Parry Sound Lumber Co., Ltd., Parry Sound, Ont.
122114	Henry H. Dicks	Charlottetown	Schr—Glt	1906	Booth Bay, Me., U.S.A.	Booth Bay, Me., U.S.A.	74 8	21 6			7 6	7 6	65		John A. Mann, Murray River, P.E.I.
106331	Henry L. Phillips	Port Hawkesbury	Schr—Glt	1868	Manitowac, Wis., U.S.A.	Manitowac, Wis., U.S.A.	66 4	33 2			14 8	14 8	78		John Arsenau, Madgalen Islands, Que.
138240	Henry Whitbeck	Montreal	Sloop	1917	Sorel, Que.	Sorel, Que.	102 0	33 2			14 8	14 8	587		The Barge Menominee Co. Ltd., Montreal, Que.
130663	Herb Curwin	Rochibucto	Schr—Glt	1911	Rochibucto, N.B.	Rochibucto, N.B.	66 0	10 5			4 4	4 4	10		John R. MacMaster, Hardwick, N.B.
138547	Hermada	Lunenburg	Schr—Glt	1917	Shelburne, N.S.	Shelburne, N.S.	110 0	26 3			10 9	10 9	98		Zwickor & Co., Ltd., Lunenburg, N.S.
116494	Hero	Lunenburg	Schr—Glt	1903	La Have, N.S.	La Have, N.S.	43 2	13 6			6 0	6 0	18		Jernigh Petit, Mose Ambrose, Fortune Bay, Nfld.
107771	Heron	Charlottam, N.B.	Schr—Glt	1899	Shippigan, N.B.	Shippigan, N.B.	36 0	11 0			5 1	5 1	10		Wm. Frung & Co., Ltd., Jersey, C.I.
77786	Hesperus	Halifax	Schr—Glt	1880	Port Medway, N.S.	Port Medway, N.S.	43 4	13 6			6 2	6 2	17		Jas. Reyno, Herring Cove, N.S.
94893	Hesperus	Vancouver	Schr—Glt	1889	Vancouver, B.C.	Vancouver, B.C.	35 5	12 3			5 5	5 5	20		H. E. Dusenbury, Vancouver, B.C.
133997	Hibbert C.	Charlottam, N.B.	Schr—Glt	1913	Miminegash, P.E.I.	Miminegash, P.E.I.	60 0	18 2			7 0	7 0	56		Paul T. Costain, Miminegash, P.E.I.
138059	Hibbouse	Charlottam, N.B.	Schr—Glt	1916	Lower Caraquest, N.B.	Lower Caraquest, N.B.	35 0	10 0			5 3	5 3	10		Daniel D. Landry, Caraquest, N.B.
69097	Highland Jane	Halifax	Schr—Glt	1874	Jeddore, N.S.	Jeddore, N.S.	52 0	17 1			7 4	7 4	32		Albura Corkum, Chester, N.S.
96870	Hilda	Montreal	Barge—Chd	1898	Toronto, Ont.	Toronto, Ont.	166 0	30 0			12 3	12 3	418		Montreal Transportation Co., Ltd., Montreal, Que.
122999	Hilda	Yarmouth	Sloop	1906	Tusket Wedge, N.S.	Tusket Wedge, N.S.	36 0	13 0			7 0	7 0	17		James A. Bondreau, M.O., Tusket Wedge, N.S.
122244	Hilda E.	St. Andrews	Sloop	1906	Grand Mannan, N.B.	Grand Mannan, N.B.	28 4	11 6			6 0	6 0	82		Joseph Moorehouse, Grand Mannan, N.B.
121993	Hilda M. Backman	Lunenburg	Schr—Glt	1906	La Have, N.S.	La Have, N.S.	80 0	23 8			8 8	8 8	11		Alfred Mercier, Quebec, Que.
116740	Hilda M. Horton	Halifax	Schr—Glt	1904	Beekerton, N.S.	Beekerton, N.S.	49 4	15 5			7 3	7 3	29		Augustine A. Macdonald, Souris, P.E.I.
138432	Hilda M. Stark	Annapolis Royal	Schr—Glt	1918	Amnapolis Royal, N.S.	Amnapolis Royal, N.S.	171 5	35 0			13 2	13 2	574		Grace & Co., Ltd., Montreal, Que.
100161	Hilda Maud	Port Hawkesbury	Schr—Glt	1891	La Have, N.S.	La Have, N.S.	54 7	18 6			7 6	7 6	46		John Malcolm, et al., Port Malcolm, N.S.
122141	Hillsdale	Yarmouth	Sloop	1905	Wood's Harbour, N.S.	Wood's Harbour, N.S.	30 0	11 0			6 6	6 6	151		International Chemical Co., Ltd., Victoria, B.C.
126514	Himble No. 1	Victoria	Barge—Chd	1909	Caraquest, N.B.	Caraquest, N.B.	92 6	30 4			4 8	4 8	25		T. Abner, Shippigan, N.B.
103765	Hirondele	Charlottam, N.B.	Schr—Glt	1894	Caraquest, N.B.	Caraquest, N.B.	30 0	12 9			4 0	4 0	63		Robert Kennedy, Lindsay, Ont.
107586	Homer	Lindsay	Barge—Chd	1898	Robeysagon, Ont.	Robeysagon, Ont.	67 0	29 2			8 9	8 9	25		Napoleon Simard, St. Albouese, Que.
59868	Hon. David Price	Quebec	Schr—Glt	1868	Quebec, Que.	Quebec, Que.	49 0	29 2			9 2	9 2	90		Wm. Frung & Co., Ltd., Jersey, C.I.
69006	Hon. Hector Langevin	Quebec	Schr—Glt	1872	St. Jean, Island of Orleans, Que.	St. Jean, Island of Orleans, Que.	80 5	22 0			9 2	9 2	84		Mrs. Jos. McDonald, Matapu, Que.
103984	Honorable Mercier	Quebec	Schr—Glt	1897	Quebec, Que.	Quebec, Que.	80 0	24 6			7 4	7 4	81		J. Alexander, St. Aubin, Jersey, C.I.
92409	Hope	Charlottam, N.B.	Schr—Glt	1888	Tracadis, N.B.	Tracadis, N.B.	40 8	14 8			5 5	5 5	18		James Redmond, North Sydney, N.S.
69172	Hope	Halifax	Schr—Glt	1872	Lunenburg, N.S.	Lunenburg, N.S.	52 5	16 5			6 8	6 8	34		Marlewe Thomas, Toronto, Ont.
126114	Hope	Toronto	Schr—Glt	1866	Port Nelson, Ont.	Port Nelson, Ont.	54 0	12 0			4 9	4 9	24		G. H. Hiltz, Lockport, N.S.
97057	Horace B.	Liverpool	Schr—Glt	1892	Port Le Bear, N.S.	Port Le Bear, N.S.	38 0	13 6			5 8	5 8	195		Compagnie Etienne Dusssault, Lewis, Que.
126589	Horace D.	Quebec	Scow—Chd	1908	Lewis, Que.	Lewis, Que.	84 5	33 8			6 8	6 8	195		Compagnie Etienne Dusssault, Lewis, Que.
130324	Horace Taber	Kingston	Schr—Glt	1867	St. Clair, Mich., U.S.A.	St. Clair, Mich., U.S.A.	135 8	26 6			9 8	9 8	236		H. R. Storey, et al., Collingwood, Ont.
126294	Hornum Lee	Canso	Schr—Glt	1909	New Harbour, N.S.	New Harbour, N.S.	41 2	12 9			6 8	6 8	17		Whitman Fish Co., Ltd., Canso, N.S.

*Formerly a steamer

*Formerly "Glenora"

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Grément.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
126441	Horrigan	Kenora	Scow—Chd.	1909	Keewatin, Ont.	75 0	20 0	5 6	73	John T. Horne, Fort William, Ont.
100006	Horspur	Chatham, N.B.	Schr—Glt.	1891	Caracquet, N.B.	37 4	12 7	4 6	10	P. Rive, Caracquet, N.B.
100800	Hovington	Quebec	Schr—Glt.	1891	Les Escoumains, Que.	38 0	14 4	4 6	17	T. Caron, Les Escoumains, Que.
968229	Howard	Lanenburg	Schr—Glt.	1889	Chester Basin, N.S.	47 0	24 6	8 8	63	Galt Murray, Port Richmond, N.S.
103264	Howard D. Troop	St. John, N.B.	Schr—Glt.	1896	Liverpool, N.S.	52 0	22 0	8 7	69	F. M. McKelvey, et al., St. John, N.B.
130992	Hov	Chartham, N.B.	Schr—Glt.	1896	Point Sapin, N.B.	32 0	10 6	5 0	11	Majorique Noel, Shippigan, N.B.
103448	Hoyer	Ottawa	Barge—Chd.	1889	Buckingham, Que.	71 0	17 6	7 9	199	Geo. Bothwell, Buckingham, Que.
130937	Hugh Quinlan	Montreal	Scow—Chd.	1912	Montreal, Que.	110 1	28 1	2 2	3	Quinlan & Robertson, Ltd., Montreal, Que.
126474	Iago	Halifax	Stoop	1905	Sheburne, N.S.	20 8	6 5	3 6	15	J. D. Ritchie, Halifax, N.S.
103543	Iambug	Halifax	Stoop	1893	Dartmouth, N.S.	23 5	6 4	3 6	3	Edward A. D. Morgan, Montreal, Que.
107687	Iaron	Prescott	Dredge—Drague	1902	Montreal, Que.	64 2	25 2	5 3	135	Joseph Wintor, Kingsport, N.S.
100156	Hastler	Parrsboro	Schr—Glt.	1891	La Have, N.S.	54 3	19 0	7 2	240	Joseph Wintor, Kingsport, N.S.
72374	Hyderabad	Kingsboro	Schr—Glt.	1876	Kingston, Ont.	124 4	26 2	11 7	290	L. E. Bonaventure, Lamoraie, Que.
130653	Hydraulic	Chatham, N.B.	Scow—Chd.	1911	Loggieville, N.B.	85 0	27 0	5 0	146	Northern Bridging & Construction Co., Ltd., Loggieville, N.B.
130545	I. No. 1	Vancouver	Scow—Chd.	1909	Nanaimo, B.C.	55 0	24 4	6 0	73	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
832066	I. O. A.	Halifax	Schr—Glt.	1883	East Port, Medway, N.S.	47 4	16 4	4 5	26	Geo. F. McKae, Baddeck, N.S.
111829	I. R. C. No. 1	Vancouver	Scow—Chd.	1901	Vancouver, B.C.	133 8	30 8	6 7	174	Sodas Ohores, Vancouver, B.C.
111830	I. R. C. No. 2	Vancouver	Scow—Chd.	1901	Vancouver, B.C.	145 8	30 5	4 6	177	Sodas Ohores, Vancouver, B.C.
111976	I. R. C. No. 3	Vancouver	Scow—Chd.	1901	Vancouver, B.C.	152 0	31 0	5 4	204	Sodas Ohores, Vancouver, B.C.
126041	I. X. I.	Port Arthur	Dredge—Drague	1893	Wetland, Ont.	103 0	34 5	9 0	348	Robert Weddell, et al., Trenton, Ont.
107080	I. N. Parker	Quebec	Schr—Glt.	1898	Waterborough, N.B.	79 1	26 8	7 6	88	Joseph Levesque, Matane, Que.
809965	I. R. Washington	Halifax	Schr—Glt.	1880	Gabarus, N.S.	50 6	18 4	7 8	39	John Campbell, St. Ann's, N.S.
42425	Iberville	Caspé	Schr—Glt.	1864	Esquimaux Point, Que.	58 0	17 9	4 8	41	Mat. Boudreau, Esquimaux Point, Que.
103770	Ibis	Chartham, N.B.	Schr—Glt.	1897	Shippigan, N.B.	36 5	12 2	4 8	11	Donald McGregor, Dalhousie, N.B.
94850	Ico	Windsor, Ont.	Scow—Chd.	1891	Sandwich, Ont.	47 0	16 4	2 0	41	Chas. Perrault, Sandwich, Ont.
117181	Ida	Chartham, N.B.	Schr—Glt.	1905	Shippigan, N.B.	39 0	13 4	5 0	16	Andre Chiasson, Lamek, N.B.
107229	Ida	Quebec	Schr—Glt.	1897	Chateaux Richer, Que.	76 8	22 8	6 7	97	F. X. Martel, Chateaux Richer, Que.
116841	Ida A. Olson	Owen Sound	Schr—Glt.	1888	Port Howard, N.Y., U.S.A.	122 0	27 0	6 2	191	Geo. T. Dunn and T. W. Thomson, J.O., Owen Sound, Ont.
71251	Ida Bell	Windsor, Ont.	Schr—Glt.	1874	Kingsville, Ont.	87 2	20 0	6 0	97	Geo. T. Dunn and T. W. Thomson, J.O., Owen Sound, Ont.
126222	Ida E.	Montreal	Barge—Chd.	1887	Oshkosh, Wis., U.S.A.	120 3	29 0	6 5	198	The River Sand Co., Ltd., Montreal, Que.
92460	Ida M.	Charlottetown	Schr—Glt.	1887	Montreal, Que.	60 0	19 6	7 7	54	Fredrick Belisle and Mrs. M. Belisle, Baetouche, N. B.
107081	Ida W.	St. John, N.B.	Schr—Glt.	1897	Crapaud, P.E.I.	73 2	24 0	7 0	77	The Nova Scotia Shipping Co., Ltd., Halifax, N.S.

No.	Name	Type	Home Port	Company	Tonnage	Speed	Engines	Remarks
12226	Ida M. Barton	Schr—Glt	St. John, N. B.	The Rangers, N. B.	82 0	27 1	7 7	1902
103470	Ida M. Burke	Schr—Glt	Arielat.	St. Peter's, N. S.	41 7	14 0	5 7	1900
111687	Ida M. Clarke	Schr—Glt	Hullfax	Larry's River, N. S.	41 7	14 0	5 7	1900
123637	Ida M. Cunningham	Schr—Glt	Barrington Passage	Stable River, N. S.	99 3	24 9	6 2	1912
131022	Ida M. Zwick	Schr—Glt	Lanenburg	East Pubnico, N. S.	41 3	12 0	6 2	1912
125906	Ida M. Campbell	Schr—Glt	St. John, N. B.	Liverpool, N. S.	177 2	27 3	10 6	1913
125907	Ida Peters	Schr—Glt	St. John, N. B.	Shabona, N. S.	47 5	14 4	6 3	1913
112337	Ida	Schr—Glt	St. Andrew	Meteghan River, N. S.	47 0	18 2	7 4	1913
112338	Ida	Schr—Glt	St. Andrew	St. Patrick, N. S.	31 0	14 0	5 5	1913
116571	Imperial	Barge—Chd	Fort William	Shabona, N. S.	35 5	12 5	6 0	1905
10748	Impressive	Schr—Glt	at Bay	Fort Wilk., Ont.	120 0	58 0	7 5	1903
107471	Imt Brooks	Schr—Glt	Digby	Ship Harbour, N. S.	129 7	32 1	12 0	331
138171	Independent (Asphalt No. 2)	Scow—Chd	Prince Rupert	Prepact, N. S.	145 0	16 5	6 3	321
68584	Index	Schr—Glt	St. John, N. B.	Prepact, Wash., U. S. A.	100 7	31 9	10 0	275
111476	Indiana	Schr—Glt	Arielat.	Tusket, N. S.	45 4	12 0	6 0	17
121655	Indiana	Schr—Glt	Vernouth	Tusket, N. S.	30 3	9 2	4 2	11
103123	Indicator	Sloop	St. Andrew	Tusket Wedge, N. S.	34 0	11 5	6 0	10
122434	Industry	Sloop	Barrington Passage	Grand Manan, N. B.	35 0	12 0	6 0	10
83407	Infia	Schr—Glt	Magdalen Islands	Barrington, N. S.	31 0	11 0	6 0	11
100989	Inspector	Schr—Glt	St. John, N. B.	House Harbour, Magdalen Islands, N. B.	69 9	22 0	8 3	67
138544	Integral	Schr—Glt	Lanenburg	Waterborough, N. B.	50 4	22 6	5 5	43
126694	Invader	Dredge—Drag.	Chatham, N. B.	Comptrol Bank, N. S.	135 6	32 0	12 0	343
104512	Intrepid	Sloop	Vancouver	U. S. A.	91 0	41 4	4 8	227
116275	Inverness B. 1.	Barque—Bq	Hullfax	Vesprville, N. B.	27 2	15 2	4 8	8
99639	Invernessd.	Barque—Bq	Montreal	Vancouver, B. C.	258 0	36 0	21 7	1,340
112901	Invictus	Schr—Glt	Vancouver	Port Glasgow, G. B.	192 5	33 1	21 7	1,811
131114	Ioco No. 2	Scow—Chd	Vancouver	Vespr Pomeri, Italy	258 0	36 2	21 7	1,318
114126	Iola	Scow—Chd	Vancouver	Dumbarton, G. B.	149 0	32 5	11 2	327
103174	Iona	Schr—Glt	Hullfax	Salmon River, N. S.	45 0	19 7	7 2	58
114429	Iona	Schr—Glt	Hullfax	Vancouver, B. C.	73 4	26 0	6 2	179
96716	Iona	Schr—Glt	Ottawa	New Westminister, B. C.	22 0	6 6	2 6	2
70292	Iona	Schr—Glt	Barrington Passage	Sable River, N. S.	40 1	13 6	6 0	13
92424	Ireland	Barge—Chd	Montreal	Shabona, N. S.	93 0	24 4	9 5	45
92552	Irene	Barge—Chd	Montreal	Rockland, Ont.	111 8	22 9	7 7	158
103577	Irene L.	Schr—Glt	St. John, N. B.	Quebec, Que.	149 4	26 0	11 0	399
100490	Irene M. B.	Schr—Glt	Lanenburg	Quebec, Que.	41 6	12 6	6 5	17
1038551	Irene M. Corkum	Schr—Glt	Lanenburg	Brookville, Ont.	37 9	12 6	6 6	339
106808	Iris	Sloop	Hullfax	Carapuet, N. B.	79 7	25 7	7 2	90
121914	Iroquois	Barge—Chd	Montreal	St. Martin, N. B.	39 6	10 2	5 4	11
107686	Iroquois	Dredge—Drague	Montreal	Little Panoeul, N. S.	67 6	21 3	8 4	60
122013	Issue Hunter	Barge—Chd	Ottawa	Mabona Bay, N. S.	112 8	26 3	10 4	169
138236	Isaac Stephenson	Sloop	Isaac Stephenson	Lanenburg, N. S.	35 5	7 8	5 6	128
96724	Isabel	Schr—Glt	Chatham, N. B.	Port Hawkesbury, N. S.	109 2	23 2	7 5	361
94928	Isabel Peed	Barge—Chd	Pictou, Ont.	Pierreville, Que.	151 0	26 1	11 1	331
71257	Isabella	Schr—Chd.	Windsor, Ont.	Garden Island, Ont.	92 2	29 6	7 1	261
106959	Isabella Sands	Schr—Glt	Sarnia	Montreal, Que.	32 2	29 6	4 4	331
	Foreign name "Tropetco."			Kippawa Lake, Que.	145 0	14 9	4 4	547
				Maintowac, Wis., U.S.A.	168 9	32 4	13 8	547
				Sorel, Que.	35 0	11 8	4 5	11
				Shippagan, N. B.	186 0	31 5	11 0	480
				U. S. A.	57 5	16 7	3 4	23
				U. S. A.	131 5	29 8	10 1	331
				Manistee, Mich., U.S.A.	131 5	29 8	10 1	331
				Manistee, Mich., U.S.A.	131 5	29 8	10 1	331

*Formerly a steamer

(Geo. R. Payzant, et al., Dorchester, N. B.)

Joseph Fougere, Larry's River, N. S.

Arthur Bangay, Harbour Breton, Nfld.

Dwight L. Ringer, et al., Little Harbour, N. S.

Eleanor Zwick, C. O., Lanenburg, N. S.

Lingan Fishing Co., Ltd., Lanung, N. S.

M. Trask, Sandy Cove, N. B.

Dimes, Fisher, St. George, N. B.

Wm. N. Madden, M. O., Port au Tour, N. S.

Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.

Charles H. Hitevec, M. O., La Have, N. S.

Thos. W. Brooks, Preport, N. S.

Coastwise Steamship & Barge Co., Ltd., Vancouver, B. C.

Charles S. Smith, St. Martins, N. B.

Henry Boudrot, Anchet, N. S.

Charles A. Lowe, Tusket Wedge, N. S.

Frank Ingersoll, Grand Manan, N. B.

Curtis Atwood, Barrington, N. S.

Alexander T. Arsenau, House Harbour, Magdalen Islands, Que.

James Flower, Newswale, N. B.

The Integral Shipping Co., Ltd., Comptrol Bank, N. S.

Northern Dredging and Construction Co., Ltd., Longueville, N. B.

Edward A. Wilson, Victoria, B. C.

Marine Navigation Co. of Canada, Montreal, Que.

Dominion Coal Co., Ltd., Glouce Bay, N. S.

Marine Navigation Co. of Canada, Montreal, Que.

The Schooner Inviectus Co., Ltd., Wolfville, N. S.

The Imperial Oil Co., Ltd., Toronto, Ont.

The Imperial Oil Co., Ltd., Toronto, Ont.

Ralph B. deBlois, Bedford, N. S.

Mrs. M. S. Crumshank and C. B. Traffic, J. O., Sydney, N. S.

Edward Boswell and J. J. Lord, Victoria, P. E. I.

The Ottawa Transportation Co., Ltd., Ottawa, Ont.

Cecil Ross, M. O., Cape Island, N. S.

William Q. Stobo, Quebec, Que.

Jeffery Saumpson, M. O., Dover, N. S.

The Barge Ireland Co., Ltd., Montreal, Que.

Wm. Fruing & Co., Ltd., Jersey, C. I.

Lacien Belliveau, Dorchester, N. B.

Arthur Bouthier, Halifax, N. S.

John McQuinn, M. O., Charlottetown, P. E. I.

Leo Corkum, M. O., La Have, N. S.

R. T. Melroth, Halifax, N. S.

Ludger Yarscau, Pierreville, Que.

The Atlas Sand Co., Ltd., Montreal, Que.

Thomas Bell, St. John, N. B.

Colonial Lumber Co., Ltd., Pembroke, Ont.

The Barge Menouinee Co., Ltd., Montreal, Que.

Arson, Hebert, Carapuet, N. B.

Canada Steamship Lines, Ltd., Montreal, Que.

Gilbert Sharon, Belle River, Ont.

The Peninsular Tug & Towing Co., Ltd., Warton, Ont.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des NAVIRES à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F.—Abbreviations—Abrégés: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Reg. Circuit	Build—Construct en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
123330	Iskookdah	Montreal	Sloop	1885	Ladlane, Que.	28 2	10 0	2 2	4	R. R. Stevenson, Montreal, Que.
125903	Isidore	Quebec	Barge—Chd.	1907	St. Alexis, Que.	106 0	22 5	7 8	162	Canadian Bank of Commerce, Toronto, Ont.
88243	Isis	Deseronto	Barge—Chd.	1884	Deseronto, Ont.	105 0	23 3	5 3	96	P. Parkin, St. Catharines, Ont., and A. Sangster, Iroquois, Ont.
111530	Island Girl	Dieppe	Schr—Glt.	1901	Cape St. Mary's, N.S.	32 0	10 2	4 8	10	E. S. Duncanson, Cape St. Mary's, N.S.
103121	Island Girl	St. Andrews	Schr—Glt.	1895	Shedburne, N.S.	38 0	13 0	5 5	17	Frank Burgess, Grand Manan, N.B.
121845	Islander	Toronto	Dredge—Drague	1905	Toronto, Ont.	78 2	30 0	6 6	232	John F. Russell, Toronto, Ont.
100064	Isna	St. John, N.B.	Schr—Glt.	1891	Fresport, N.S.	51 5	17 9	6 8	31	H. P. Powers, Westport, N.S.
112953	Isobel	St. Catharines	Schr—Glt.	1903	Wellford, Ont.	101 0	36 0	10 8	446	Michael H. Hogan, Montreal, Que.
126853	Isobel	Lunenburg	Dredge—Drague	1903	Lunenburg, N.S.	106 4	26 2	4 0	100	Robert H. Ritteney, M. O., Liverpool, N.S.
100997	Ivonia	Chartham, N.B.	Schr—Glt.	1892	Chartham, N.B.	35 2	12 5	4 3	10	Victor Turner, New Brandon, N.B.
130364	Ivonia	St. John, N.S.	Schr—Glt.	1911	Grand Falls, N.S.	50 2	12 3	5 3	17	William O'Brien, Dingwall, N.S.
74292	Ivydun	Quebec	Bk—Bg.	1877	Quebec, Que.	122 3	28 7	15 2	331	P. H. Laton, Parrsboro, N.S.
102116	Ivy	Lunenburg	Schr—Glt.	1898	Halifax, N.S.	36 5	11 5	4 2	12	Daniel J. Tindall, Lunenburg, N.S.
69092	Ivy	St. John, N.B.	Schr—Glt.	1871	Wickham, N.B.	40 0	15 6	4 2	17	Chas. S. Cragg, St. John, N.B.
138523	Iwatum	Vancouver	Barge—Chd.	1881	San Francisco, Cal., U.S.A.	118 0	27 0	8 5	275	Imperial Munitions Board, Ottawa, Ont.
138519	J. A. D.	Quebec	Schr—Glt.	1912	Grandes Bergeronnes, Que.	67 0	22 9	6 3	54	A. Dufour and Mrs William Tremblay St. Fidele, Que.
138791	J. A. T.	Quebec	Schr—Glt.	1916	Grandes Bergeronnes, Que.	57 0	24 2	6 3	51	Alfred Tremblay, Boylston, N.S.
83155	J. B. M.	Halifax	Schr—Chd.	1881	La Have, N.S.	12 3	14 8	6 3	20	Angus Geddy, Boylston, N.S.
107469	J. B. No. One	Halifax	Schr—Chd.	1891	Halifax, Ont.	70 1	18 6	5 0	65	Joseph Briggs Parkin, Lindsay, Ont.
107470	J. B. No. Two	Halifax	Schr—Chd.	1897	Lindsay, Ont.	38 7	16 9	4 5	29	Joseph Briggs Parkin, Lindsay, Ont.
111816	J. C. No. 1	Vancouver	Schr—Chd.	1901	Vancouver, B.C.	65 7	23 7	9 3	87	Henry Bell-Young, Vancouver, B.C.
111818	J. C. No. 2	Vancouver	Schr—Chd.	1901	Vancouver, B.C.	67 3	24 7	10 0	24	John A. Cates, Vancouver, B.C.
134574	J. C. No. 5	Vancouver	Schr—Chd.	1889	Vancouver, B.C.	49 5	23 0	4 0	63	Joseph Crane, New Westminster, B.C.
134575	J. C. No. 6	New Westminster	Barge—Chd.	1910	New Westminster, B.C.	39 0	34 0	6 2	81	Joseph Crane, New Westminster, B.C.
134576	J. C. No. 7	New Westminster	Barge—Chd.	1911	New Westminster, B.C.	60 2	26 2	6 3	91	Joseph Crane, New Westminster, B.C.
130702	J. C. No. 8	Vancouver	Schr—Chd.	1911	New Westminster, B.C.	65 2	26 0	6 4	108	Declance Packing Co., Ltd., Vancouver, B.C.
134576	J. C. No. 11	Vancouver	Schr—Chd.	1911	New Westminster, B.C.	60 4	30 0	3 7	39	Joseph Crane, New Westminster, B.C.
134576	J. C. No. 12	New Westminster	Barge—Chd.	1902	New Westminster, B.C.	98 1	32 0	8 7	241	Joseph Crane, New Westminster, B.C.
110952	J. C. No. 14	New Westminster	Schr—Chd.	1918	New Westminster, B.C.	68 8	28 0	6 7	111	Joseph Crane, New Westminster, B.C.
110990	J. C. No. 23	New Westminster	Schr—Chd.	1909	Peterboro, Ont.	92 0	25 6	4 6	74	John E. A. Fitzgerald, Peterboro, Ont.
126720	J. E. A. F. No. 1	Peterboro	Schr—Chd.	1909	Peterboro, Ont.	92 0	26 0	5 0	91	John E. A. Fitzgerald, Peterboro, Ont.
126730	J. E. A. F. No. 2	Peterboro	Schr—Chd.	1909	Peterboro, Ont.	92 0	26 0	5 0	91	John E. A. Fitzgerald, Peterboro, Ont.
136371	J. E. A. F. No. 3	Peterboro	Schr—Chd.	1910	Bobby's Cove, Ont.	94 0	24 5	5 3	89	John E. A. Fitzgerald, Peterboro, Ont.

SESSIONAL PAPER No. 22

No.	Name	Owner	Home Port	Tonnage	Net Tonnage	Length	Breadth	Depth	Speed	Remarks
103982	Sehr—Glt.	J. E. B.	Quebec	64	21	8			6	48 Napoleon Bois, M.O., St. Simoon, Que.
121930	Sehr—Glt.	J. E. W. H.	Quebec	56	24	0			6	49 Charles Latoie, M.O., Chicoutimi, Que.
97195	Sehr—Glt.	J. H. S.	Chatham, N. B.	76	18	2			7	50 J. H. Brownell, North Port, N.S.
133982	Barge—Chd	New Westminster	Tracadie, N. B.	56	8	2			3	51 Jervais Inlet Canning Co., Ltd., Vancouver, B.C.
133983	Barge—Chd	New Westminster	Steveston, B.C.	50	0	15			3	52 Jervais Inlet Canning Co., Ltd., Vancouver, B.C.
133984	Barge—Chd	New Westminster	Steveston, B.C.	50	0	16			3	53 Jervais Inlet Canning Co., Ltd., Vancouver, B.C.
126178	Barge—Chd	New Westminster	Ladner, B.C.	59	7	20			4	54 Frank Randolph, Misson Harbour, N. B.
131000	Sehr—Glt.	Clatham, N. B.	Caracquet, N. B.	34	2	10			5	55 Canadian Bank of Commerce, Toronto, Ont.
134495	Dredge—Drage	Quebec	Quebec, Que.	60	4	30			8	56 Joseph Mamer, Lindsay, Ont.
107576	Seaw—Chd	1890	Bobbyegon, Ont.	75	0	22			5	57 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107577	Seaw—Chd	1890	Lindsay, Ont.	75	4	25			5	58 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107578	Barge—Gld	1897	Lindsay, Ont.	86	0	17			8	59 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107579	Barge—Gld	1897	Lindsay, Ont.	81	6	20			4	60 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107580	Barge—Gld	1897	Lindsay, Ont.	72	5	19			4	61 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107581	Barge—Gld	1897	Lindsay, Ont.	74	0	18			4	62 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107582	Barge—Gld	1897	Lindsay, Ont.	64	0	18			4	63 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107583	Barge—Gld	1897	Lindsay, Ont.	62	0	19			4	64 W. J. C. Boyd, M.O., Bobbyegon, Ont.
107584	Barge—Gld	1897	Lindsay, Ont.	62	0	17			4	65 W. J. C. Boyd, M.O., Bobbyegon, Ont.
112247	Seaw—Chd	1899	Vancouver, B.C.	72	0	21			6	66 J. McDonald, Vancouver, B.C.
138611	Sehr—Glt	Clatham, N. B.	Maisonette, N. B.	35	0	11			2	67 Joseph O. Cormier, Vainsonette, N. B.
130785	Sehr—Glt	Port Hawkesbury	Cap Rouge, N. B.	42	0	12			2	68 John S. Munsie, Cap Rouge, N.S.
138291	Sehr—Glt	J. T.	Montenotte, N.S.	58	6	19			6	69 Joseph Tremblay, Les Epaves, Que.
116297	Sehr—Glt	J. W.	Elmontage, Que.	82	3	22			6	70 Chas. Chery, Georgetown, P. E. I.
116234	Sloop	Charlottetown	Elmontage, P. E. I.	38	0	13			5	71 Walter B. Phelan, New Westminster, B. C.
130862	Barge—Chd	New Westminster	Shellburn, N. S.	90	0	30			8	72 Joseph Wm. Pike, New Westminster, B. C.
133972	Barge—Chd	New Westminster	New Westminster, B. C.	91	3	32			0	73 Joseph Wm. Pike, New Westminster, B. C.
85715	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	74 W. Markston, Goderich, Ont.
85716	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	75 W. Markston, Goderich, Ont.
85717	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	76 W. Markston, Goderich, Ont.
85718	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	77 W. Markston, Goderich, Ont.
85719	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	78 W. Markston, Goderich, Ont.
85720	Seaw—Chd	Prescott	Tonawanda, N. Y., U.S.A.	60	0	15			0	79 W. Markston, Goderich, Ont.
117072	Dredge—Drage	Halifax	Bay of Islands, Nfld.	55	0	18			4	80 Frank Robertson, Montague Bridge, P. E. I.
117073	Dredge—Drage	Halifax	St. Catharines, Ont.	73	0	25			6	81 The Canadian Dredging Co., Ltd., Midland, Ont.
107308	Barge—Chd	Toronto	St. Catharines, Ont.	73	0	25			6	82 The Canadian Dredging Co., Ltd., Midland, Ont.
130255	Barge—Chd	J. B. King & Co. No. 23	Spencer's Island, N.S.	96	3	34			9	83 Gypsum Packet Co., Ltd., Windsor, N.S.
130256	Barge—Chd	J. B. King & Co. No. 36	Spencer's Island, N.S.	96	3	34			9	84 Gypsum Packet Co., Ltd., Windsor, N.S.
100020	Sehr—Glt	J. F. Martin	Windsor, N.S.	136	6	37			2	85 J. D. McDonald and Elwood Reynolds, Murray River, P. E. I.
108200	Sehr—Glt	J. B. Noelband	Charlottetown	87	6	25			1	86 A. G. Cousins and Frank Keegan, Bellefleur, Ont.
112374	Sehr—Glt	Bethsville	Bethsville	108	6	35			6	87 Robert Headlee, Half Island Cove, N.S.
126584	Sehr—Glt	Archambault	Archambault, N.S.	102	9	33			2	88 John B. Young, M.O., Lunenburg, N.S.
126585	Sehr—Glt	J. B. Young	Lunenburg, N.S.	102	9	33			2	89 Wm. Gillin, Issue's Harbour, N.S.
75767	Sehr—Glt	Lunenburg	Lunenburg, N.S.	92	5	33			0	90 A. Young, Martin's River, N.S. and J. B. Mosher, Lunenburg, N.S.
61892	Sehr—Glt	J. C. Williams	Halifax	92	5	33			0	91 Joshua E. Breenham, et al., La Have, N.S.
141131	Sehr—Glt	J. E. Rackman	La Have	145	2	33			6	92 Peter Whitcomb and John H. McDonald, Murray Harbour, P. E. I.
100538	Sehr—Glt	J. E. Collins	Halifax	52	5	23			7	93 J. E. Deppell, Bic, Que.
121063	Sehr—Glt	J. E. Duppell	Quebec	74	1	26			7	94 John E. Russell, Toronto, Ont.
131086	Drill Boat	J. B. Russell's Drill	Toronto	80	0	30			5	95 John F. Boyd, Sault Ste. Marie, Ont.
30777	Sehr—Glt	J. F. Boyd No. 1	Sault Ste. Marie	75	0	24			0	96 John F. Boyd, Sault Ste. Marie, Ont.
134195	Sehr—Glt	J. F. Boyd No. 2	Sault Ste. Marie	30	0	11			4	97 John F. Boyd, Sault Ste. Marie, Ont.
134196	Sehr—Glt	J. F. Boyd No. 3	Sault Ste. Marie	30	0	11			4	98 J. H. Fronthaler, Co. Ltd., Toronto, Ont.
134197	Sehr—Glt	J. F. Boyd No. 4	Sault Ste. Marie	30	0	11			4	99 C. W. Sharpe & Co. Ltd., Toronto, Ont.
134198	Sehr—Glt	J. F. Boyd No. 5	Sault Ste. Marie	30	0	11			4	100 The J. G. Heac Transportation Co., Ltd., Montreal, Que.
134199	Sehr—Glt	J. F. Boyd No. 6	Sault Ste. Marie	30	0	11			4	101 The Ottawa Transportation Co., Ltd., Ottawa, Ont.
134200	Sehr—Glt	J. F. Boyd No. 7	Sault Ste. Marie	30	0	11			4	102 James Walters, et al., La Have, N.S.
100161	Sehr—Glt	Montreal	Montreal, Que.	107	5	33			9	103 S. M. and Oscar Griffin, J. O., Goldsboro, N.S.
100162	Sehr—Glt	Montreal	Montreal, Que.	107	5	33			9	104 Joseph Conrad, M.O., La Have, N.S.
122172	Sehr—Glt	J. H. Rodden	Charlottetown	122	1	24			1	105
116852	Sehr—Glt	J. M. Cox	Ottawa	122	1	24			1	106
100837	Sehr—Glt	J. M. Young	La Have	73	0	21			8	107
134053	Sehr—Glt	J. W. Marceson	Lunenburg	73	0	21			8	108
134054	Sehr—Glt	J. W. Marceson	Lunenburg	73	0	21			8	109

*A recovered wreck. †Foreign marine †Black Rock.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. *Abbréviations*—*Abbréviations*: J.O., Joint owners; propriétaires conjoints; M.O., Managing owner; propriétaire gérant

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Build—Constructeur.	Where Built. Lieu de construction.	Length in feet and inches. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
117101	J. W. Toold	Ottawa	Barge—Chd	1904	Hull, Que.	120 0	24 0	7 9	171	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
138230	J. Z. Desjardis	Quebec	Sehr—Glt	1917	Edmonton, Que.	77 0	24 7	7 5	91	Joseph Z. Desjardis, Les Établissements, Que.
103771	J. Amy	Chartham, N.B.	Sehr—Glt	1835	Tignish, P.E.I.	37 3	12 3	5 0	12	John Porter, M.O., Tignish, P.E.I.
123451	J. Hurstall	Ottawa	Barge—Chd	1908	Hull, Que.	119 7	24 1	8 0	191	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
69146	J. Coffin	Halifax	Sehr—Glt	1875	New Dublin, N.S.	56 6	18 5	7 5	45	Robin S. Hennigar, et al., Chester Basin, N.S.
131015	J. Hurry	Lambourg	Sehr—Glt	1914	Lambourg, N.S.	109 8	26 3	10 4	100	William C. Smith, M.O., Lambourg, N.S.
128810	J. Miller	Montreal	Sehr—Glt	1918	Noel, N.S.	110 3	34 1	11 4	357	Everett A. O'Brien, Noel, N.S.
107090	J. Robertson	Ottawa	Barge—Chd	1898	Hull, Que.	108 0	33 0	7 2	152	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
136126	J. Thibault	Kingston	Sehr—Glt	1874	Chicago, Ill., U.S.A.	130 2	27 0	9 2	227	Charles A. Chilver, Walkerville, Ont.
126473	Jack Canuck	Vancouver	Shoop	1907	Vancouver, B.C.	29 6	10 8	4 8	113	Robert K. Searlet, Vancouver, B.C.
126652	Jack Canuck, No. 3	Ottawa	Dredge—Drague	1906	Midland, Ont.	63 0	24 2	6 0	157	Jennings & Ross, Ltd., Toronto, Ont.
82326	Jackson	Ottawa	Barge—Chd	1881	Hull, Que.	114 0	21 3	7 8	147	Joseph Wilson, Montreal, Que.
100610	James	Shediac	Yawl—Yole	1893	Shediac, N.S.	44 0	11 5	8 3	15	J. B. Bland, Gaspe, Que.
92286	James Barber	St. John, N.B.	Sehr—Glt	1882	Wunborough, N.B.	79 0	26 0	6 6	40	Fred Gough and W. H. Gough, St. Martins, N.B.
81824	James Davis	Halifax	Sehr—Glt	1887	Humber Summit, Nfld.	59 0	18 0	7 3	87	Ingram Allen, Belfast, N.B.
124101	James Douglas	Lambourg	Sehr—Glt	1914	Lambourg, N.S.	105 0	26 3	10 4	97	Wm. Duff, et al., Lambourg, N.S.
130661	James L.	Lambourg	Sehr—Glt	1911	Tanook, N.S.	56 2	14 0	7 6	32	The Schooner Rommie Ltd., Montreal, Que.
138191	James Slater	La Have	Sehr—Glt	1874	Port Jefferson, N.Y., U.S.A.	119 5	30 6	9 9	365	Publicover Shipping Co., Ltd., Dublin Shore, N.S.
121910	James U. Thomas	Halifax	Sehr—Glt	1906	Dayspring, N.S.	74 0	19 7	8 0	53	Abraham Moulton, Halifax, N.S.
128906	Jane Anderson	Halifax	Sehr—Glt	1910	Shediac, N.S.	67 0	19 8	6 7	53	Stephen Taylor, Boone Bay, Nfld.
128290	Jane Cox	St. John's	Sehr—Glt	1916	St. John's, N.S.	97 7	24 6	10 1	94	Geo. A. and John J. Cox, Shelburne, N.S.
12927	Jane F.	Charlottetown	Sehr—Glt	1902	Montague, P.E.I.	35 0	11 6	5 8	14	Austin J. Fraser, Souris, P.E.I.
107787	Jane F.	Charlottetown	Sehr—Glt	1902	Montague, P.E.I.	56 9	18 5	7 4	46	John F. Proctor, Port Malcolm, N.S.
130692	Jardineville	Reddwarf	Sehr—Glt	1908	Rexton, N.B.	34 0	11 0	4 4	10	Thos. Lezouff, Reddwarf, N.B.
138515	Jean	Chartham, N.B.	Sehr—Glt	1891	Rexton, N.B.	38 8	12 8	4 4	13	Thos. Des Brisay, Bathurst, N.B.
128515	Jean	Chartham, N.B.	Sehr—Glt	1917	Charlottetown, N.S.	123 0	31 8	12 8	345	Walter B. Gilroy, St. John's, Nfld.
129032	Jean Joseph	Lambourg	Sehr—Glt	1917	Charlottetown, Que.	79 6	21 6	5 3	50	Johnny Levesque, Charlottetown, Que.
138516	Jean Paul	Quebec	Barge—Chd	1917	Charlottetown, Que.	85 3	23 1	5 8	18	The Windrush Shipping Co., Ltd., Ottawa, Ont.
130388	Jeanette	Quebec	Barge—Glt	1892	Malboro, Que.	40 0	13 9	5 6	16	R. Asselin, St. Michel de Bellechasse, Que.
121693	Jeanette	Halifax	Sehr—Glt	1906	St. John's, N.S.	43 0	12 8	6 9	11	John E. Tutty, Lunenburg, N.S.
119827	Jeanette	Barrington Passage	Shoop	1902	Charlottetown, N.S.	29 0	12 2	5 7	16	Thomas A. Kenny, Clarke's Harbour, N.S.
116665	Jeanette	Midland	Sehr—Glt	1881	Monk, Clements, Mich., U.S.A.	145 0	28 5	10 9	334	The Morlan Transit Co., Ltd., Midland, Ont.
88579	Jennie	Montreal	Sehr—Glt	1871	Green Island, Ont.	168 0	26 6	11 8	438	Montreal Transportation Co., Ltd., Montreal, Que.

SESSIONAL PAPER No. 22

Number	Name	Type	Home Port	Owner	Tonnage	Length	Breadth	Depth	Speed	Remarks
83091	Jennie	Schr—Glt	Port Hawkesbury	St. John, N.B.	30 1	10 2	5 3			11 Peter C. Bosdet, West Arichat, N.S.
106307	Jennie	Schr—Glt	Windsor, Ont.	St. John, N.B.	25 0	6 4				12 H. V. Brewster, Albert, N.B.
103191	Jennie B.	Schr—Glt	Halifax	Charlottetown	66 6	20 5	8 0			56 Wm. G. Richards, Grand River, P.E.I.
122138	Jennie L.	Schr—Glt	St. Andrews	Digby	11 5	5 0				56 Windley Lewis, Port Lorne, N.S.
112372	Jennie L.	Schr—Glt	St. Andrews	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
123843	Jennie M.	Schr—Glt	St. Andrews	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
122591	Jennie T.	Schr—Glt	St. Andrews	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
134478	Jerry G.	Schr—Glt	Montreal	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
108289	Jersey Lily	Schr—Glt	Chatham, N.B.	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
80950	Jessie	Schr—Glt	Chatham, N.B.	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
106542	Jessie	Schr—Glt	Digby	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
88563	Jessie	Schr—Glt	Kingston	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
111664	Jessie	Schr—Glt	Montreal	Digby	11 5	5 0				56 H. V. Brewster, Albert, N.B.
59186	Jessie	Schr—Glt	St. John, N.B.	St. John, N.B.	75 2	25 0	6 4			72 H. V. Brewster, Albert, N.B.
37514	Jessie Brown	Schr—Glt	Charlottetown	Charlottetown	66 6	20 5	8 0			56 Wm. G. Richards, Grand River, P.E.I.
107478	Jessie C.	Sloop	Digby	Digby	25 0	11 5	5 0			18 H. V. Brewster, Albert, N.B.
112576	Jessie C.	Schr—Glt	St. Andrews	Digby	34 0	13 6	8 0			18 John M. Calder, Campbellton, N.B.
106997	Jessie James	Sloop	St. Andrews	Digby	30 0	11 2	5 0			18 Mrs. Josephine Frankland, Grand Manan, N.B.
111998	Jessie K.	Schr—Glt	Annapolis Royal	Digby	36 5	11 0	4 8			11 John Hackenley, Grandville, N.S.
83311	Jessie M. Vogler	Schr—Glt	Port Medway	Digby	76 6	22 5	8 8			17 George Cunningham, Halifax, N.S.
71321	Jessie Newell	Schr—Glt	Charlottetown	Digby	70 4	19 7	8 0			63 Daniel Daley, et al., Iris, P.E.I.
116825	Jessie Row	Sloop	Burrington Passage	Digby	33 3	12 0	6 3			12 Jacob Mann, Canso, N.S.
110747	Jessie W.	Schr—Glt	Halifax	Digby	39 5	10 6	5 3			12 The Atlas Sand Co., Ltd., Montreal, Que.
105535	Jessie & Ada	Schr—Glt	Charlottetown	Digby	36 4	13 0	5 3			16 Mrs. Grace Cruikshank, New Westminster, B.C.
64994	Jet	Barge—Chd	Montreal	Montreal	137 8	29 6	9 5			32 Robin Jones & Whitman, Ltd., Halifax, N.S.
94904	Joan	Sloop	New Westminster	New Westminster	36 0	11 0	5 0			14 Duncan J. Riley, Belle River, P.E.I.
112398	Joe	Barge—Chd	Ottawa	Ottawa	46 0	11 0	3 8			12 The Atlas Sand Co., Ltd., Montreal, Que.
134690	John	Schr—Glt	Pasphebie	Digby	37 0	12 5	3 8			7 Mrs. Grace Cruikshank, New Westminster, B.C.
133589	John A. Lee	Sloop	New Westminster	New Westminster	60 0	17 6	4 0			11 Robt. Jones & Whitman, Ltd., Halifax, N.S.
106958	John B.	Schr—Glt	Chatham, N.B.	Chatham, N.B.	31 5	12 2	5 0			40 M. Thibert, Jr., Belle River, Ont.
106959	John Bull	Schr—Glt	Chatham, N.B.	Chatham, N.B.	34 3	11 6	4 8			424 Corporation of the City of New Westminster, New Westminster, B.C.
80718	John Bull	Cutter	Pasphebie	Digby	43 3	12 3	5 4			11 W. S. Loggie, Co., Ltd., Chatham, N.B.
136889	John C. Potter	Barge—Chd	Vancouver	Vancouver	190 0	36 7	24 0			41 James Anderson, Church Point, Murray Harbour, P.E.I.
51965	John E. Dennis	Schr—Glt	St. Andrews	Digby	35 0	14 0	5 1			487 Herbert Williams, Beach Point, Murray Harbour, P.E.I.
71071	John G. Koffage	Schr—Glt	Amherstburg	Amherstburg, Ont.	79 3	22 2	7 3			156 Joseph Wilson, Montreal, Que.
126063	John G. Serrington	Schr—Glt	Charlottetown	Charlottetown	34 0	12 2	4 8			359 Francis Forbruger, Port Madelon, N.S.
80668	John Gaslan	Barge—Chd	Montreal	Montreal	165 8	31 4	12 1			155 Arsenie Cournoyer, Sorol, Que.
83340	John Gray	Barge—Chd	Ottawa	Ottawa	110 0	22 0	7 4			451 The Reid Weeking Co., Ltd., Sarnia, Ont.
61572	John Halifax	Schr—Glt	Stellbarne	Digby	75 8	21 2	7 5			312 Joseph and Albert Robillard, Montreal, Que.
96704	John Henney	Barge—Chd	Montreal	Montreal	92 2	36 7	6 9			679 Wm. Marleton, Goderich, Ont.
126151	John Kennedy	Dredge—Drauge	Yarmouth	Yarmouth	108 0	32 0	6 0			178 The Ottawa Transportation Co., Ltd., Ottawa, Ont.
130437	John Kilderhouse	Schr—Glt	Sarnia	Sarnia	142 1	26 2	11 2			326 Wilfred Pedneault, Fraserville, Que.
121795	John L.	Sloop	Yarmouth	Yarmouth	72 0	23 0	5 4			12 J. T. Murphy, Campbellton, N.B.
130437	John L.	Sloop	Yarmouth	Yarmouth	72 0	23 0	5 4			22 Peter Bleumpey, Arichat, N.S.
121795	John L.	Sloop	Yarmouth	Yarmouth	72 0	23 0	5 4			10 Albert Dangle, Richibucto, N.B.
71135	John McBrade	Barge—Chd	Belleville	Belleville	45 6	14 2	7 6			29 Alexander Stannwhite, M.O., Terence Bay, N.S.
85714	John R. Arnold	Barge—Chd	Ottawa	Ottawa	51 0	14 2	7 6			99 Miss L. G. Pickard, Charlottetown, P.E.I., and Samuel Bowdridge, Murray Harbour, P.E.I.
130298	John R. Booth	Barge—Chd	Ottawa	Ottawa	113 0	21 2	7 8			
101334	Johanny M.	Schr—Glt	Chatham, N.B.	Chatham, N.B.	38 8	13 2	5 3			
101334	Johanny M.	Schr—Glt	Chatham, N.B.	Chatham, N.B.	38 8	13 2	5 3			
83997	Joseph Ann	Schr—Glt	Port Hawkesbury	Port Hawkesbury	45 7	15 5	6 4			
116659	Joseph Donnet	Schr—Glt	Richibucto	Richibucto	43 6	14 6	4 6			
128255	Joseph Earle	Schr—Glt	Lanenburg	Lanenburg	51 0	14 2	7 6			
91789	Joseph McGill	Schr—Glt	Charlottetown	Charlottetown	81 0	23 4	9 7			

¹Formerly "Defender." ²Formerly "Clara." ³Foreign name "Decidoo."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

©Equipped with Wireless Mami de la T.S.F. *Abcenciations—Inscriptions: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130991	Joseph Marie G.	Chatham, N.B.	Schr—Glt.	1912	Little Lameck, N.B.	39 0	14 7	6 3	22	Charles Gauvin, Little Lameck, N.B.
94970	Joseph O.	Charlottetown.	Schr—Glt.	1886	Pleasantville, N.S.	58 0	20 8	7 4	55	Charles Trenholm, Port Elean, N.B.
130349	Joseph P. Johnston.	Charlottetown.	Schr—Glt.	1889	Essex, Mass., U.S.A.	87 6	23 7	7 7	71	John E. Lake, Fortune, Nfld.
100965	Josephine.	Chatham, N.B.	Schr—Glt.	1893	Carriquet, N.B.	36 5	12 6	4 8	11	P. Rive, Carriquet, N.B.
77802	Josephine.	Sackville.	Schr—Glt.	1879	Bate Verte, N.B.	33 6	12 4	4 7	12	L. Burke, Botsford, N.B.
121692	Josephine.	Yarmouth.	Sloop.	1904	Cape Island, N.S.	33 0	11 0	6 0	10	F. N. Newell, M.O., Cape Island, N.S.
103857	Josephine Swanton.	Halifax.	Schr—Glt.	1867	Booth Bay, Me., U.S.A.	72 5	21 4	7 2	63	Constant C. Church, Chester, N.S.
138135	Josephus.	Quebec.	Schr—Glt.	1900	St. Romuald, Que.	76 5	24 0	6 8	72	Wilfred Guimont, Matane, Que.
83461	Josie L. Day.	Digby.	Schr—Glt.	1915	Matane, Que.	42 5	15 0	5 9	16	W. H. Anderson, Parker's Cove, N.S.
122594	Josie W.	St. Andrews.	Sloop.	1908	Prenbrooke, Me., U.S.A.	40 0	12 9	5 5	14	Lorenzo C. Watt, North Head, Grand Manan, N.B.
116673	Juanita.	St. Andrews.	Sloop.	1900	Sheburne, N.S.	36 0	13 0	6 0	15	Henry H. Bancroft, Grand Manan, N.B.
88454	Jubilee.	Arichat.	Schr—Glt.	1887	Port Royal, N.B.	51 1	17 6	5 1	34	Arthur Poirrier, Descouse, N.S.
107532	Jubilee.	St. John, N.B.	Sloop.	1887	Rothsay, N.B.	25 2	10 3	3 5	43	H. A. Allison, St. John, N.B.
100352	Julia.	Quebec.	Schr—Glt.	1891	St. Luce, Que.	59 0	18 0	6 6	43	François and Joseph Gannon, J.O., Berthiaur, Que.
75506	Julia A.	Charlottetown.	Schr—Glt.	1877	La Have, N.S.	41 0	14 0	5 6	15	A. P. Prowse, Murray Harbour South, P.E.I.
90913	Julia Ann.	Moncton.	Schr—Glt.	1886	Cocagne, N.B.	45 8	16 4	5 8	27	Simon Burk, Cocagne, N.B.
126468	Julia B. Merrill.	Kingston.	Schr—Glt.	1872	Wenona, Mich., U.S.A.	128 0	26 5	8 4	190	W. M. P. and Cephas H. Shearer, Napanee, Ont.
122120	Julia F. C.	Sydney, N.S.	Schr—Glt.	1907	Ingonish, N.S.	40 0	12 5	6 5	62	Joseph F. Young, et al., Ingonish, N.S.
116363	Julia Larson.	Goderich.	Schr—Glt.	1877	Sand Beach, Mich., U.S.A.	71 8	18 3	6 8	61	James A. Low, Port Dover, Ont.
126889	Julia Murphy.	Sault Ste. Marie.	Dredge—Dragne	1911	Richards Landing, Ont.	55 5	24 0	5 5	108	The Superior Dredge & Dock Co., Ltd., Sault Ste Marie, Ont.
103616	Julie.	Quebec.	Sloop.	1894	Les Escoumains, Que.	63 0	19 3	5 5	53	Jos. Belanger, Rivière Trois Pistoles, P.Q.
126670	Julie Opp.	Shelburne, N.S.	Schr—Glt.	1899	Shelburne, N.S.	69 0	17 8	7 8	38	Herbert R. Swin, M.O., Lockport, N.S.
107663	Juliette.	Quebec.	Schr—Glt.	1899	Bay St. Paul, Que.	63 0	20 6	3 0	62	Arthur Boivin, Cap Chat, Que.
103432	Julio.	Ottawa.	Barge—Chd.	1883	Kippawa, Que.	40 5	10 0	3 0	7	W. H. Hurlman, Ottawa, Ont.
83038	Jumbo.	Ottawa.	Barge—Chd.	1884	Smith's Falls, Ont.	106 0	22 6	7 2	159	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
103439	Jumbo.	Ottawa.	Barge—Chd.	1890	Buckingham, Que.	68 4	14 9	3 4	30	O. M. Harris, Montreal, Que.
85713	Jumbo.	Prescott.	Scoow—Chd.	1880	Quebec, Que.	136 0	20 0	6 0	150	Can. Pac. Car & Pass. Transfer Co., Ltd., Prescott, Ont.
122183	Justina.	Arichat.	Schr—Glt.	1907	River Bourgeois, N.S.	35 0	10 5	5 2	10	George Darcy, West Arichat, N.S.
111988	K. 1.	Vancouver.	Scoow—Chd.	1899	Blaine, Wash., U.S.A.	44 0	12 0	4 0	16	The Fraser River Oil & Guano Co., Ltd., Vancouver, B.C.
111989	K. 2.	Vancouver.	Scoow—Chd.	1899	Blaine, Wash., U.S.A.	44 0	12 0	4 0	16	The Fraser River Oil & Guano Co., Ltd., Vancouver, B.C.
122376	K. H.	Vancouver.	Scoow—Chd.	1906	New Westminster, B.C.	66 9	26 0	6 2	107	George C. McKee, Vancouver, B.C.
140884	K. H.	Vancouver.	Scoow—Chd.	1912	Vancouver, B.C.	56 2	20 0	5 7	47	Stanley S. McKee, et al., Vancouver, B.C.
140938	K. H.	Victoria.	Barge—Chd.	1909	New Westminster, B.C.	80 8	26 0	6 7	115	Lummi Bay Packing Company, Limited, Vancouver, B.C.

No.	Name	Owner	Tonnage	Net Tonnage	Length	Breadth	Depth	Speed	Remarks
140885	K. 18	Vancouver	78	9	26	9	6.7	Mrs. Katherine McKean, Vancouver, B.C.	
141111	K. 22	Vancouver	75	9	26	2	6.5	William Herbert Hind, Vancouver, B.C.	
140886	K. 24	Vancouver	75	9	26	2	6.5	Mrs. Thomas V. Holton, Vancouver, B.C.	
130550	K. 26	Vancouver	72	2	25	0	6.8	Mrs. Katherine McKean, Vancouver, B.C.	
140887	K. 32	Vancouver	69	2	25	0	6.9	Mrs. Thomas V. Holton, Vancouver, B.C.	
140888	K. 31	Vancouver	81	0	26	0	6.8	Mrs. Katherine McKean, Vancouver, B.C.	
140907	K. 36	Vancouver	80	0	26	0	6.8	Stanley S. McKean, Vancouver, B.C.	
140889	K. 38	Vancouver	81	4	26	1	2.2	Mrs. Thomas V. Holton, Vancouver, B.C.	
140890	K. 40	Vancouver	81	0	26	0	6.7	Stanley S. McKean, Vancouver, B.C.	
140908	K. 42	Vancouver	81	3	26	1	6.8	Mrs. Malbie H. McKean, Vancouver, B.C.	
140906	K. 48	Vancouver	81	3	26	0	6.5	Mrs. Katherine McKean, Vancouver, B.C.	
140911	K. N. No. 1	Vancouver	79	3	25	0	6.8	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138701	K. N. No. 2	Vancouver	65	8	25	0	8.4	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138702	K. N. No. 3	Vancouver	81	3	25	0	6.5	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138526	K. N. No. 4	Vancouver	81	3	25	0	6.5	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138526	K. N. No. 5	Vancouver	81	3	25	0	6.5	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138703	K. N. No. 6	Vancouver	100	8	32	0	7.7	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
138705	K. N. No. 7	Vancouver	82	0	30	0	7.7	Kingsome Navigation Co., Ltd., Vancouver, B.C.	
117151	K. W. No. 3	New Westminster	41	0	4.5	0	4.5	G. C. McKean, Vancouver, B.C., and L. Wilson, New Westminster, B.C.	
126219	K. W. No. 10	Vancouver	59	5	23	1	6.9	George C. McKean and Leonard Wilson, Vancouver, B.C.	
107713	K. & G. No. 1	Vancouver	82	4	30	1	6.4	Wm. L. Nicol, Vancouver, B.C.	
122389	K. & W. No. 1	Vancouver	55	0	13	2	5.0	John J. Gowlin, Victoria, B.C.	
117005	K. & W. No. 4	Vancouver	70	7	26	0	5.6	Leonard Wilson, New Westminster, B.C. and George C. McKean, Vancouver, B.C.	
130796	K. & W. No. 8	Vancouver	64	0	25	8	7.0	George C. McKean, Vancouver, B.C.	
103458	K. McKenzie	Arlahat	43	2	13	5	6.2	William A. Stringeour, Amberst, N.S.	
107672	Karen	Quebec	40	0	12	0	4.4	Horace Dussault, Levis, Que.	
130752	Karina II.	Port Hawkesbury	57	0	14	3	8.2	Labin S. Chaisson, Eastern Harbour, N.S.	
107970	Karmon	Lanenburg	55	6	24	6	7.4	Karmon Co., Ltd., Halifax, N.S.	
116500	Kassago	Lanenburg	55	6	24	6	7.4	Karmon Co., Ltd., Halifax, N.S.	
92290	Katabdin	Montreal	63	2	30	9	10.9	V. T. B. Young, A.O., Caraquet, N.B.	
64239	Kate Clark	Quebec	70	0	31	4	5.9	Norbert Duval, Contereouze, Que.	
94849	Kate Grant	W. Andrews	60	3	21	5	7.1	Richard Turner, Quebec, Que.	
119160	Kathleen	Chatham, N.B.	69	4	17	8	4.0	Thomas E. Sherwood, New York, N.Y., U.S.A.	
107543	Kathleen	St. John, N.B.	35	0	12	9	5.9	Denis Parent, Tecomisch, Ont.	
128243	Kathleen C.	Lanenburg	23	2	9	0	3.6	Albert McArthur, St. John, N.B.	
126175	Kathleen W.	Lanenburg	109	0	25	4	10.8	Edwin Creiser M.O., La Have, N.S.	
94676	Katie A. Burns	Halifax	47	0	14	3	7.0	Robert J. Sluamwhite, Terrene Bay, N.S.	
103460	Katie B.	Charlottetown	35	0	17	0	6.8	John Agnew, Alberton, P.E.I.	
82103	Katie Bell	Yelhat	41	3	13	9	5.9	Gilbert McDonald, River Bourgeois, N.S.	
120196	Katie Brainerd	Windsor, Ont.	32	9	11	6	4.9	John L. Murphy, Campbellton, N.B.	
66829	Katie E. Stuart	Halifax	171	0	30	0	9.5	Grant Horne, Kingston, Ont., and The Laidlaw Co., Ltd., Toronto, Ont.	
97074	Katie E. Wall	Charlottetown	63	4	20	2	7.6	Isaac Gagne, Anchor Point, Nfld.	
75911	Katie Eeles	Napanea	34	9	14	7	6.3	David M. Jackson, Tidnish, N.S.	
122408	Katie H.	Montreal	95	0	21	0	8.0	C. J. McCallum, Port Colborne, Ont.	
134785	Katie J.	Port Hawkesbury	154	0	32	4	9.7	George Hall Coal Company of Canada, Ltd., Montreal, Que.	
134480	Katie Leamy	Montreal	39	3	12	6	4.5	J. McNeil, Port Hawkesbury, N.S.	
142116	Katie M.	Halifax	52	3	23	8	5.1	Quinlan & Robertson, Ltd., Montreal, Que.	
122131	Katie M.	Yarmouth	33	4	13	4	4.8	J. Brophy, Prospect, N.S.	
126583	Katie Margaret	Sydney, N.S.	30	0	10	6	4.0	Clifford Reynolds, Port La Four, N.S.	
90536	Katie & Ella	Charlottetown	39	5	11	6	5.6	John W. Dunphy, South Ingonish, N.S.	
126285	Katrina	St. John, N.B.	50	2	14	6	7.5	Alex. J. Taylor, Wood Islands, P.E.I.	
120592	Keene	Peterborough	80	0	18	0	4.0	Wallace Rapert Turnbull, Rotheray, N.B.	
30573	Keepsake	Windsor, Ont.	72	6	19	9	3.7	Francis Barnett and James D. Simpson, Birdsalls, Ont.	
								Horace Fleury, Belle River, Ont.	

1 Formerly "Powell River No. 1"

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Muni de la T.S.F. Abbreviations—Abbreviations: J.O., Joint owners; proprietaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered Tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107077	Belair	St. John, N.B.	Sloop	1883	Yarmouth, N.S.	24 1	10 0	2 3	5	R. C. B. Kaye, St. John, N.B.
126065	Kennedyfair	St. Catharines	Dredge—Drague	1908	Welland, Ont.	100 0	40 0	9 5	462	The Minister of Fisheries and Canals, Ottawa, Ont.
121798	Kenneth S.	Yarmouth	Sloop	1901	Charlé's Harbour, N.S.	31 0	10 6	6 0	10	B. C. Smith and W. F. Atkinson, Yarmouth, N.S.
226719	Keta	St. John, N.B.	Barge—Chal.	1910	Gagetown, N.B.	60 0	21 9	4 0	81	J. S. Gray, St. John, N.B.
25548	Kildonan	Montreal	Schr. Gll.	1888	Kingston, Ont.	171 1	33 0	11 1	499	The C. G. Transportation Co., Ltd., Montreal, Que.
107778	Kimberley	Chartham, N.B.	Barge—Chal.	1900	Chartham, N.B.	115 3	24 5	9 1	148	J. B. Stasbell Co., Ltd., Chartham, N.B.
114104	Kimberley	Charlottetown	Schr. Gll.	1900	Malabar Bay, N.S.	93 8	23 5	6 1	92	Leslie Witherell, Ltd., Charlottetown, P.E.I.
126685	Kimpress	Montreal	Sloop	1909	Yarmouth, Que.	109 3	23 2	8 0	146	Leslie Witherell Co., Ltd., Montreal, Que.
29587	King	St. Andrews	Sloop	1884	Bellefleur, N.B.	29 6	11 2	6 0	10	Frank Middleton, West Isles, N.B.
126595	King Daniel	Chartham, N.B.	Schr. Gll.	1910	Piscataquis, N.S.	50 2	16 6	5 5	29	Oswell Atkinson and Bedford Milton, Apple River, N.S.
114166	King Edward	Chartham, N.B.	Schr. Gll.	1901	Carriquet, N.B.	38 5	13 0	5 3	14	John Jones, and Whitman, Ltd., Halifax, N.S.
129439	King Edward	Chartham, N.B.	Dredge—Drague	1903	Montreal, Que.	106 8	26 5	7 0	330	William J. Fourpore, Montreal, Que.
103949	King Fisher	Chartham, N.B.	Schr. Gll.	1899	Shippagan, N.B.	38 0	12 7	5 0	13	Wm. King & Co., Ltd., Jersey C.I.
110408	King George	Victoria	Schr. Gll.	1903	Shippagan, N.B.	45 0	12 5	4 8	16	Thos. Middleton, Massed, B.C.
125065	King Isidore	in shoro.	Schr. Gll.	1908	Port-Croville, N.S.	48 1	28 7	8 9	47	The M. C. Henry Co., Ltd., Liverpool, N.S.
882316	Kingfisher	Sedrois, N.S.	Schr. Gll.	1881	Port-Croville, N.S.	33 9	13 1	5 1	11	Damen Power North Sydney, N.S.
882814	Kingfisher	Yarmouth	Schr. Gll.	1881	Port-Croville, N.S.	59 8	19 1	7 3	47	Mrs. Mary Jane Daley, Commercial Cross, Lot 59, P.E.I.
122551	Kingford	Collingwood	Dredge—Drague	1895	Buffalo, N. Y., U.S.A.	85 7	39 0	8 2	270	The C. S. Boone Dredging & Construction Co., Ltd., Toronto, Ont.
103958	Kinston	Montreal	Barge—Chal.	1898	Kingston, Ont.	181 0	35 0	12 0	578	Alphonse A. Lamoignon, Montreal, Que.
104869	Kipawa	Ottawa	Barge—Chal.	1903	Turtle-Portage, Que.	83 0	16 4	10 3	127	Patrick Kelly, Turtle-Portage, Que.
126734	Kirk	Yamoucheville	Sloop	1891	Vancouver, B.C.	63 0	21 4	6 4	102	Alfred H. Bisset, Vancouver, B.C.
126829	Kirk	Vancouver	Sloop	1910	Vancouver, B.C.	54 4	26 0	6 0	77	Alfred H. Bisset, Vancouver, B.C.
107026	Kirde	New Westminster	Barge—Chal.	1898	Vancouver, B.C.	50 0	14 6	4 0	23	The Anglo-British Columbia Packing Co., Ltd., Victoria, B.C.
109081	Kite	Chartham, N.B.	Schr. Gll.	1888	Carriquet, N.B.	26 0	12 1	5 1	11	The C. Robin, Collas Co., Ltd., Halifax, N.S.
103288	Kite	Chartham, N.B.	Schr. Gll.	1895	Shippagan, N.B.	34 7	12 0	4 8	16	Patrick E. Leveille, Carriquet, N.B.
126573	Kite II	Halifax	Sloop	1909	Halifax, N.S.	22 6	10 0	5 0	10	Denis Stairs, Halifax, N.S.
103774	Klondyke	Chartham, N.B.	Schr. Gll.	1900	Carriquet, N.B.	37 6	13 0	5 2	14	John Jones & Whitman, Ltd., Halifax, N.S.
103293	Klondyke	Chartham, N.B.	Schr. Gll.	1897	Port-Croville, N.S.	77 8	24 8	7 2	78	J. A. McCade, St. Stephen, N.B.
103295	Kobak	Chartham, N.B.	Schr. Gll.	1895	Carriquet, N.B.	37 3	12 8	5 7	13	J. H. Arve, Carriquet, N.B.
112271	Kooral	Montreal	Schr. Gll.	1898	Dorval, Que.	34 3	12 8	4 7	213	Harold E. Smith, Westmount, Que.
134216	Kramer	Montreal	Sloop	1906	Collingwood, Ont.	111 0	27 4	8 0	213	Toronto Sand & Gravel Co., Ltd., Toronto, Ont.
112331	Kulak	Collingwood	Sloop	1904	Collingwood, Ont.	43 0	17 5	3 7	3	Howard Turnbull, M.O., Montreal, Que.
121889	Kuroki	Yarmouth	Sloop	1905	Barrington, N.S.	30 0	11 4	6 0	10	Judith A. Newell, M.O., Cape Island, N.S.

SESSIONAL PAPER No. 22

No.	Name	Owner	Tonnage	Build	Home Port	Agent	Remarks
126005	Chatham, N.B.	Chatham, N.B.	74	0	22	6	
126006	Chatham, N.B.	Chatham, N.B.	74	0	22	6	
131338	Quebec	Quebec	45	8	10	5	
128572	Quebec	Quebec	41	0	13	0	
126103	Montreal	Montreal	57	0	16	3	
126303	Montreal	Montreal	55	4	10	3	
126304	Montreal	Montreal	79	0	20	5	
126305	Montreal	Montreal	65	7	14	0	
126307	Montreal	Montreal	60	1	16	3	
136396	Montreal	Montreal	57	0	16	0	
126308	Montreal	Montreal	79	7	24	6	
126309	Montreal	Montreal	82	3	24	6	
126310	Montreal	Montreal	78	3	21	0	
126311	Montreal	Montreal	70	9	29	7	
126312	Montreal	Montreal	55	2	17	6	
126313	Montreal	Montreal	70	6	20	2	
126314	Montreal	Montreal	61	5	16	5	
126315	Montreal	Montreal	55	3	17	6	
126316	Montreal	Montreal	63	9	18	8	
126317	Montreal	Montreal	66	6	17	3	
126318	Montreal	Montreal	61	0	16	8	
74254	St. Thomas de Pierrevalle	St. Thomas de Pierrevalle	101	9	23	0	
134832	Montreal	Montreal	79	3	20	0	
128622	South Ste. Marie	South Ste. Marie	100	0	31	3	
130774	South Ste. Marie	South Ste. Marie	100	0	31	3	
134383	South Ste. Marie	South Ste. Marie	49	6	24	0	
134384	South Ste. Marie	South Ste. Marie	98	0	27	0	
134197	South Ste. Marie	South Ste. Marie	105	0	28	0	
138729	New Westminster	New Westminster	81	0	26	0	
138723	New Westminster	New Westminster	81	0	26	0	
138724	New Westminster	New Westminster	77	6	25	2	
138694	Varouwer	Varouwer	81	0	26	0	
134251	Winnipeg	Winnipeg	188	5	33	5	
134255	Winnipeg	Winnipeg	188	5	33	5	
134256	Winnipeg	Winnipeg	180	5	37	0	
134257	Winnipeg	Winnipeg	179	5	33	5	
124110	Montreal	Montreal	110	0	23	2	
124084	Chatham, N.B.	Chatham, N.B.	37	0	14	0	
130627	Chatham, N.B.	Chatham, N.B.	37	0	13	3	
130623	Quebec	Quebec	30	6	11	9	
130687	Chatham, N.B.	Chatham, N.B.	41	8	14	0	
127023	Quebec	Quebec	55	8	20	0	
80655	Quebec	Quebec	57	6	5	2	
126169	Kingston	Kingston	107	0	23	1	
128512	Quebec	Quebec	71	0	21	0	
103112	Quebec	Quebec	57	2	13	5	
83317	Quebec	Quebec	56	4	19	5	
107773	Chatham, N.B.	Chatham, N.B.	40	0	14	0	
103980	Quebec	Quebec	48	6	16	8	
107430	Quebec	Quebec	35	2	11	4	

*Formerly "Indiana."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.
 ©Equipped with Wireless. Muni de la T.S.F. Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
116705	L'Inajaticable	Quebec	Schr—Glt	1904	Les Escoumans, Que.	61 8	20 6	6 0	43	Elzear Bois, Malabar, Que.
117490	La Bellay	Quebec	Schr—Glt	1900	St. Siméon, Que.	69 2	23 0	8 0	80	Moise Chenaud, Grand Machins, Que.
126154	La Bernard	Montreal	Schr—Chd	1907	Sorel, Que.	103 7	22 6	11 5	233	W. H. Dwyer Co., Ltd., Ottawa, Ont.
103625	La Bienvenue	Quebec	Schr—Glt	1896	Baie St. Paul, Que.	53 4	18 2	7 2	38	Gonzague Simard, St. Siméon, Que.
103855	La Cherina	Quebec	Schr—Glt	1891	Green Island, Que.	42 2	13 6	5 8	20	N. Levesque, Green Island, Que.
138054	La Clément	Chartham, N.B.	Schr—Glt	1916	Cararquet, N.B.	45 5	14 0	6 5	22	Daniel D. Landry, Caraquet, N.B.
119045	La Marie Reine	Quebec	Schr—Glt	1902	Rivière Claude, Que.	58 2	26 2	10 0	99	Wm. Bouchard, St. J.O. St. Siméon, Que.
100855	La Marinière	Quebec	Schr—Glt	1893	Rivière Claude, Que.	67 2	21 6	8 0	76	Revellion Bros. Ltd., Montreal, Que.
74355	La Mode	Petron, N.S.	Schr—Glt	1877	Merigonish, N.S.	48 7	15 1	6 2	25	John Forrestall, Auld's Cove, N.S.
75606	La Monette	Quebec	Schr—Glt	1877	Quebec, Que.	73 5	20 8	8 5	65	Ferdinand Jacques, M.O., Grand Mechin, Que.
107510	La Puma-se	Quebec	Sloop.	1898	St. Siméon, Que.	31 4	12 0	4 0	10	F. X. Morin, St. Siméon, Que.
126381	La Trinité	Quebec	Schr—Glt	1891	St. Josephim, Que.	72 7	23 0	6 6	47	Joseph Gagné, Baie St. Paul, Que.
138383	Lauberge	Lunenburg	Schr—Glt	1916	St. Josephim, Que.	102 4	24 2	10 2	97	Robert F. Hollett, Burin, Nfld.
92901	Lackawanna	Ottawa	Barge—Chd	1884	Dayspring, N.S.	106 0	22 7	7 0	154	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
77766	La Lady	St. Andrews	Schr—Glt	1880	McNair's Island, N.S.	39 5	14 3	5 8	15	Charles Judge, St. Andrews, N.B.
107901	La Lady Aberdeen	St. Andrews	Sloop.	1895	Queaco, N.B.	32 6	14 7	6 0	18	Alva B. Shull, Grand Manan, N.B.
121937	La Lady Bird	Halifax	Sloop.	1901	New Bedford, Mass. USA	28 8	7 7	4 5	5	Sidney C. Oland, Dartmouth, N.S.
103856	La Lady Bird	Halifax	Sloop.	1897	Dartmouth, N.S.	23 6	6 6	4 0	2	Lt.-Col. A. W. A. Duncan, Naughton, Eng.
72072	La Lady Fougère	Arichat	Schr—Glt	1883	River Bourgeois, N.S.	40 7	13 7	5 4	15	Ducité Fougère, River Bourgeois, N.S.
75889	La Lady Franklin	Charlottetown	Schr—Glt	1881	Tatamagouche, N.S.	72 4	21 8	8 0	77	Robert Rensou, North Sydney, N.S.
138136	La Lady Huppell	Quebec	Schr—Glt	1913	Chicoutimi, Que.	65 8	21 5	6 6	58	Arthur and Wm. Tremblay, Malabar, Que.
71924	La Lady Hill	Petron, N.S.	Schr—Glt	1875	Exploits Bay, Nfld.	67 8	19 9	8 5	64	Lubin Cormier and Charles D. Chiasson, Margaret Harbour, N.S.
131596	La Lady Lambert	Passobieco	Schr—Glt	1914	Grand River, Que.	37 0	12 1	3 8	10	Celestin Lambert, M.O., Grand River, Que.
111480	La Lady Leguire	Arichat	Schr—Glt	1901	Petite de Grat, N.S.	32 6	11 0	5 3	12	Paul Le Blanc, Poulamon, N.S.
92601	La Lady Minc	Victoria	Schr—Glt	1880	Port Ladlow, Wash., U.S.A.	76 0	21 9	8 4	55	Andrew Bechtel, Victoria, B.C.
111651	La Lady Smith	Packborough	Barge—Chd	1900	Lakefield, Ont.	86 0	20 0	5 2	76	Wm. H. White, Lakefield, Ont.
111401	La Lady Smith	Chartham, N.B.	Schr—Glt	1900	Shipigan, N.B.	37 6	13 6	6 1	17	R. A. Paulin, Lamek, N.B.
107809	La Lady Smith	St. John, N.B.	Schr—Glt	1900	Cambridge, N.B.	51 7	20 2	5 3	30	Albert A. and Hazen E. Edgar, Karls, N.B.
96882	Lake St. Louis, No.1	Ottawa	Floating Light			58 2	16 8	7 9	63	The Minister of Marine and Fisheries, Ottawa, Ont.
96882	Lake St. Louis, No.2	Ottawa	Floating Light			58 2	16 8	7 9	63	The Minister of Marine and Fisheries, Ottawa, Ont.
96883	Lake St. Louis, No.3	Ottawa	Floating Light			58 2	16 8	7 6	66	The Minister of Marine and Fisheries, Ottawa, Ont.
96884	Lake St. Louis, No.4	Ottawa	Floating Light			56 4	15 6	7 2	46	The Minister of Marine and Fisheries, Ottawa, Ont.
96885	Lake St. Peter, No.1	Ottawa	Floating Light			56 4	15 6	7 2	46	The Minister of Marine and Fisheries, Ottawa, Ont.
96885	Lake St. Peter, No.2	Ottawa	Floating Light			56 4	15 6	7 2	46	The Minister of Marine and Fisheries, Ottawa, Ont.
96886	Lake St. Peter, No.3	Ottawa	Floating Light			56 4	15 6	7 2	46	The Minister of Marine and Fisheries, Ottawa, Ont.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T. S. F.—Abreviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'inscription	Rig Gréement	Build—Constructeur	Where Built Lieu de construction	Length in feet and inches Longueur en pieds et 10es	Breadth in feet and 10ths Largeur en pieds et 10es	Depth in feet and 10ths Profondeur en pieds et 10es	Registered tonnage Tonnage enregistré	Owner or Manager Propriétaire gérant, et adresse.
137918	Lea Légère	Chatham, N.B.	Schr—Glt	1915	Caracquet, N.B.	45 5	14 3	6 0	19	Nazare Lezere, Caracquet, N.B.
107555	Leader	St. John, N.B.	Schr—Glt	1889	Chatham, N.S.	63 8	23 4	6 2	55	Frederick A. Peters, St. John, N.B.
94917	Leather	Shelburne	Schr—Glt	1890	Shelburne, N.S.	68 0	24 0	7 6	128	George A. Cox, Shelburne, N.S.
37551	Leaving Star	Halifax	Schr—Glt	1854	Halifax, N.S.	56 3	17 8	7 4	39	Isaac Harpell, Halifax, N.S.
100077	Leah	St. John, N.B.	Schr—Glt	1891	Wentworth, N.B.	61 9	23 6	5 5	48	John F. Moore, St. John, N.B.
107374	Leah Hardy	Sidney, N.S.	Schr—Glt	1901	Gabroose, N.S.	43 1	14 5	6 0	20	Murdoch McLevin, Murray Bay, P. E. I.
137924	Leahtime	Chatham, N.B.	Schr—Glt	1815	LaRue Shipman, N.B.	42 0	14 2	6 5	21	Joseph J. Savoy, Lunenburg, N.B.
92769	Lech	Quebec	Barge—Chd	1890	Yamaska, Que.	105 0	22 1	8 2	148	Thomas Gauthier, Montreal, Que.
126323	Lech	Quebec	Barge—Glt	1910	Rive, Que.	86 8	25 0	7 5	82	N. Arthur St. Pierre, Bte, Que.
100206	Lech	Chatham, N.B.	Barge—Chd	1892	Chatham, N.B.	52 0	17 3	6 0	34	W. S. Loggie & Co., Ltd., Chatham, N.B.
126653	Lech	Medford	Barge—Drague	1911	Welland, Ont.	75 5	21 5	9 0	470	Canadian Driveling Co., Ltd., Welland, Ont.
100250	Lech	Arichat	Barge—Chd	1870	Salisbury, Mass., U.S.A.	73 5	21 3	7 8	67	Wilson Tremblay, Port Jolan, N.B.
126446	Lech	Arichat	Barge—Chd	1909	Kemora, Ont.	51 0	14 5	2 9	17	Napoleon Lemay, Norman, Ont.
100320	Lech	Port Jolan, N.B.	Schr—Chd	1892	Polson, N.S.	40 0	13 2	5 2	13	Loyth Nickerson, Cape Island, N.S.
100313	Lech	Medford	Schr—Glt	1901	Polson, N.S.	62 2	20 5	7 2	51	Horace F. Grant, Spencer's Island, N.S.
121857	Lech	Yarmouth	Schr—Glt	1906	Chatham, N.S.	30 0	11 0	6 0	11	Joseph Nickerson, Cape Island, N.S.
111905	Lech	Arichat	Schr—Glt	1911	Port Jolan, N.S.	31 0	10 6	5 6	11	Thos. Joyce, Pouchouard, N.S.
116722	Lech	Arichat	Schr—Glt	1913	Port Jolan, N.S.	48 6	15 8	7 4	28	Charles S. Struble, Boylston, N.S.
100931	Lech	Chatham, N.B.	Schr—Glt	1893	Port Jolan, N.S.	37 5	12 4	5 2	13	W. S. Loggie & Co., Ltd., Chatham, N.B.
85342	Lech	Charlottetown	Schr—Glt	1882	Marston Bay, N.S.	97 5	24 6	10 2	120	John V. Chapman, Murray River, P. E. I.
133282	Lech	Montreal	Schr—Chd	1911	Montreal, Que.	110 7	28 1	8 2	190	Quinlan & Robertson, Ltd.
126713	Lech	St. John, N.B.	Schr—Glt	1872	St. Madeline, Me., U.S.A.	103 7	26 5	7 3	144	Edmund Williarz, Parrishoro, N.S.
130177	Lech	Montreal	Schr—Glt	1891	St. Francois, Que.	107 5	22 2	7 6	133	Samuel Charland, Montreal, Que.
90827	Lech	Quebec	Schr—Glt	1890	Lunenburg, N.S.	79 6	24 0	9 3	93	Henri Carle, M. O., Port au Pesh, Que.
100452	Lech	Quebec	Schr—Glt	1892	Les Laurentides, Que.	62 9	18 6	6 6	57	Joseph LaRoche, St. Francois, Que.
130050	Lech	Lunenburg	Schr—Glt	1912	Lunenburg, N.S.	60 8	26 3	10 4	95	W. C. Smith & Co., Ltd., Lunenburg, N.S.
83474	Lech	St. Andrews	Schr—Glt	1875	Lunenburg, N.S.	62 0	12 1	5 6	12	Mrs. Sophia Cook, St. George, N.B.
122670	Lech	Chatham, N.B.	Schr—Glt	1907	Cape Island, N.B.	37 0	13 0	6 2	15	William Frame & Co., Ltd., Shipman Island, N.B.
13827	Lech	Chatham, N.B.	Schr—Glt	1906	Chatham, N.B.	40 0	13 9	5 2	18	Lake Albert Caracquet, N.B.
88670	Lech	Chatham, N.B.	Schr—Glt	1886	Bay, P. E. I.	60 0	23 5	7 1	45	Wm. Douglas & A. M. Crosby, Munningsh, P. E. I.
106919	Lech	Parrishoro	Schr—Glt	1893	Port Jolan, N.S.	49 0	13 9	5 2	17	Wm. M. Tanner, Amapolis, N.S.
123977	Lewis	Victoria	Barge—Chd	1917	White Horse, Y.T.	105 2	34 7	7 4	167	The British Yukon Navigation Co., Ltd., Victoria, B.C.
135849	Lewis	Halifax	Schr—Glt	1917	Sheep Harbour, N.S.	178 3	37 4	13 0	675	Lewis Shipbuilding Co., Ltd., Lunenburg, N.S.
130349	Lewis H. Smith	Lunenburg	Schr—Glt	1911	Sheep Harbour, N.S.	108 5	26 1	10 5	98	William C. Smith, M. O., Lunenburg, N.S.
107324	Lewis	Halifax	Schr—Glt	1909	Sheep Harbour, N.S.	69 5	20 5	8 0	50	William F. Wilkins, Port Jolan, N.S.
92596	Lia	Kingston	Sloop	1888	Kingston, Ont.	53 0	16 4	4 3	21	James Ericks, Belleville, Ont.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

©Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'inscription.	Rig Gisement.	Built—Construct en	Where Built Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
100097	Lizzie R.	St. John, N. B.	Schr—Glt.	1892	Cambridge, N. B.	74 0	25 0	4 9	80	James A. Gibbon, St. John, N. B.
59342	Lizzie S. McCae.	St. Andrews	Schr—Glt.	1868	St. George, N. B.	35 0	13 0	5 2	14	Joseph McGee, St. George, N. B.
88296	Lizzie Young	St. John, N. B.	Schr—Glt.	1883	Musquash, N. B.	37 1	13 9	5 9	13	Michael Quigg, Musquash, N. B.
85524	Lloyd	Yarmouth	Schr—Glt.	1883	Maitland, N. S.	45 4	16 3	6 0	31	Willot Ordway, Summersville, N. S.
12621	Lloyd George	Lunenburg	Schr—Glt.	1910	Shelburne, N. S.	108 0	26 0	10 5	99	Gabriel Himmelman, M. O., Riverport, N. S.
134102	Lwyn	Vancouver	Yawl—Yole	1913	Caracas, B. C.	32 0	11 3	4 4	14	Alfred V. Fick, Vancouver, B. C.
130951	Lohelia	Chatham, N. B.	Schr—Glt.	1912	Caracas, N. B.	42 0	14 0	4 5	21	Robin Jones & Whitman, Ltd., Halifax, N. S.
133760	Lobnitz, P. W. D.	St. John, N. B.	Rockbreaker.	1912	Renfrew, G. B.	100 0	36 2	8 8	389	The Minister of Public Works, Ottawa, Ont.
137960	Lobnitz Rockbreaker No. 3.	Vancouver	Dredge—Drague	1914	Vancouver, B. C.	100 4	38 0	8 8	512	The Minister of Public Works, Ottawa, Ont.
75495	Lochiel	Charlottetown	Schr—Glt.	1877	Murray River, P. E. I.	56 0	19 5	7 6	40	William A. Simason, Sackville, N. B.
61833	Lochwood	St. John, N. B.	Bk—Bq	1872	Port Gilbert, N. S.	175 0	35 0	21 6	950	C. A. Payer, St. John, N. B.
138265	Lois L. No. 44	Quebec	Schr—Glt.	1910	Limoulin, Que.	105 6	32 0	5 2	268	Chisholm & Robinson Ltd., Montreal, Que.
126915	Lois B.	Halifax	Schr—Glt.	910	Spry Bay, N. S.	32 3	11 4	5 4	40	F. W. Boudler, Spry Bay, N. S.
83465	Look Out	St. Andrews	Schr—Glt.	1857	Essex, Mass., U. S. A.	63 2	19 6	7 1	15	W. Ooster, Grand Manan, N. B.
89690	Lora T.	Digby	Schr—Glt.	1853	Beaver River, N. B.	41 0	14 0	5 7	48	John T. Grand Manan, N. B.
116729	Loran	St. John, N. B.	Schr—Glt.	1905	Cumberland Bay, N. B.	60 2	22 3	5 6	53	Arthur J. McEoy, St. John, N. B.
103500	Loranzo	Montreal	Sloop	1896	St. Francois du Lac, Que.	106 7	35 0	8 0	118	F. Duhaime, St. Francois du Lac, Que.
112040	Loranzo	Quebec	Sloop	1902	Tadoussac, Que.	60 0	18 5	5 2	33	Emile Poirier, J. Islet, Que.
83156	Lord Templetown	Victoria	Bk—Bq	1886	Belfast, Ireland	282 9	46 1	24 0	2,048	The Shipyard Templetown Co. Ltd., Victoria, B. C.
121816	Loren B. Snow	Yarmouth	Schr—Glt.	1906	Lunenburg, N. S.	39 8	24 6	10 0	85	Yarmouth Trading Co., Ltd., Yarmouth, N. S.
90640	Lorena	Charlottetown	Schr—Glt.	1886	River Fortne, Nfld.	82 8	12 6	4 5	18	John McLeod, et al., Peggwish, N. S.
116349	Lorina	Arichat	Schr—Glt.	1904	River Bourgeois, N. S.	44 5	15 0	6 0	18	Wm. J. Levesque, River Bourgeois, N. S.
121813	Loring B. Haskell.	Digby	Schr—Glt.	1884	Essex, Mass., U. S. A.	82 0	27 4	8 8	70	Samuel J. McFadyen, Tignish, P. E. I.
75907	Lorne	Chatham, N. B.	Schr—Glt.	1879	Bathurst, N. B.	43 0	14 4	5 6	19	W. S. Loggie Co., Ltd., Chatham, N. B.
89098	Lorne	Halifax	Schr—Glt.	1886	Isaac's Harbour, N. S.	63 6	20 4	7 3	51	Joshua Duphincup, French Village, N. S.
83290	Lorraine	Kingston	Sloop	1882	Kingston, Ont.	81 0	18 0	5 7	63	John T. Phillips, Wolfe Island, Ont.
83316	Lottie	Port Medway	Schr—Glt.	1885	Vogler's Cove, N. S.	78 6	23 3	6 0	76	M. L. Teal, Vogler's Cove, N. S.
122165	Lottie G.	Yarmouth	Sloop	1905	Clare's Cove, N. S.	30 0	11 6	5 7	10	Th. Gatenbury, Fort Medway, N. S.
80884	Lottie M.	St. Andrews	Schr—Glt.	1881	St. Patrick, N. B.	37 7	14 3	6 0	16	Thomas Carter, Fenfield, N. B.
117098	Lottie M. Beatrice	Arichat	Schr—Glt.	1906	Half Island Cove, N. S.	30 0	13 3	6 3	12	Alex. Chambers and K. H. Turner, Marie Joseph, N. S.
130688	Lottie M. Blanche	Lunenburg	Schr—Glt.	911	Tanook, N. S.	40 8	10 0	5 3	17	Charles and Joseph Lant, Chesler, N. S.
133672	Lottie R. Russell	Berge—Chid	Schr—Glt.	1895	Lancook, N. J., U. S. A.	122 8	32 0	10 4	262	Charles Burster, Halifax, N. S.
126132	Lottie V. M.	Halifax	Schr—Glt.	1908	West Dover, N. S.	40 6	11 8	4 7	49	Issac Morasin, M. O., West Dover, N. S.
107819	Lotus	Peterborough	Barge—Chid	1889	Cobourg, Ont.	45 6	20 0	3 0	36	R. B. Rogers, Peterborough, Ont.

SESSIONAL PAPER No. 22

No.	Name	Owner	Home Port	Tonnage	Length	Breadth	Depth	Speed	Remarks
94655	Louis Puby	Halifax	Schr—Glt.	59 8	19 0	7 6			41 Isaac A. Hopkins, Halifax, N.S.
130625	Louis P.	Yarmouth	Schr—Glt.	74 0	19 6	8 3			60 Louis P. d'Entremont, M.O., Pubnico, N.S.
138803	Weymouth	Weymouth	Schr—Glt.	146 5	32 5	12 0			386 The Hanksion Shipping Co., Ltd., Bellevue's Cove, N.S.
33426	Louisa	St. John, N.B.	Schr—Glt.	40 0	13 5	5 6			16 B. Hargrove, Chance Harbour, N.B.
116583	Louisa A.	Liverpool	Schr—Glt.	36 0	10 9	5 2			10 Reuben J. Cott, et al., Port Monton, N.S.
117100	Louisa Ellen	Arichat	Schr—Glt.	33 0	10 5	6 0			11 Daniel Casey, Rasperry, N.S.
38351	Louisa J. Solig	Quebec	Schr—Glt.	85	23 8	8 4			66 Adelaard Bailey, St. Simeon, Que.
83402	Louisa Maud	Halifax	Schr—Glt.	43 8	15 3	6 3			21 Thomas O'Bryan, Ship Harbour, N.S.
96775	Louise	Port Hawkesbury	Schr—Glt.	38 0	11 5	5 3			11 P. Boudrot, Cheticamp, N.S.
92338	Louise	Quebec	Schr—Glt.	40 0	13 4	4 6			14 A. Letellier, Quebec, Que.
122098	Louise	Yarmouth	Sloop	39 2	11 7	6 0			40 Dawson H. Langthorn, Wood's Harbor, N.S.
92349	Louisa	Quebec	Schr—Glt.	69 2	21 7	8 0			76 Francis Gagnon, Cap Charte, Que.
112227	Louvina	St. John, N.B.	Sloop	40 3	13 1	6 4			15 P. J. Likely, et al., St. John, N.B.
97189	Lower Traverse	Windsor, N.S.	BKtn—Bkgtl.	180 5	37 2	18 5			880 Frederick C. Lockhart, New York, N.Y., U.S.A.
96889	Loyola	Lt. Ship	Schr—Glt.	92 6	21 4	11 6			91 The Minister of Marine and Fisheries, Ottawa, Ont.
134055	Loze	Chatham, N.B.	Schr—Glt.	53 4	23 4	9 7			142 Gordon E. Romkey, M.O., La Have, N.S.
126931	Luce	Arichat	Schr—Glt.	35 0	11 5	5 6			13 E.H. Cornier, Upper Caraquet, N.B.
11735	Luce	Luce	Schr—Glt.	92 0	24 5	9 4			99 Charles R. Steer, St. John's, Nfld.
121949	Luelle B. Cresser	Sorel	Sloop	110 2	23 2	7 4			136 Priteo Brothers & Co., Ltd., Quebec, Que.
13814	Luelle M. Colp	Lanenburg	Schr—Glt.	106 8	26 3	10 4			99 Arthur Cresser, M.O., Riverport, N.S.
37890	Luelle M. Smith	Lanenburg	Schr—Glt.	107 2	25 5	10 5			95 Robin Jones & Whitman, Halifax, N.S.
37581	Luelle M. Smith	Lanenburg	Schr—Glt.	102 0	25 0	11 0			98 Abbot Beck, M.O., Lanenburg, N.S.
103330	Lucey	Port Hawkesbury	Schr—Glt.	36 9	11 5	5 6			11 Robin Jones & Whitman, Ltd., Halifax, N.S.
116210	Lucey A.	Yarmouth	Schr—Glt.	59 1	18 4	6 4			32 James M. Walker, Yarmouth, N.S.
103563	Luce	Montreal	Sloop	86 5	21 5	5 1			58 Joseph Lefebvre, Montreal, Que.
103435	Lumber	Ottawa	Barge—Chd.	71 1	18 1	4 4			47 Alex. McLaren, Buckingham, Que.
72945	Lumina	Quebec	Schr—Glt.	52 1	17 3	7 3			33 Adelaard Warren, Malbaie, Que.
131780	Land No. 3	Vancouver	Barge—Chd.	84 8	27 2	6 0			117 Frederick G. Thulin, Lund, B.C.
100256	Lanetia	Halifax	Sloop	29 2	7 3	5 1			4 John J. Jenney, Halifax, N.S.
96789	Lydia A. Mason	Halifax	Schr—Glt.	54 3	17 7	5 5			39 Peter Mason, Tangier, N.S.
100217	Lydia E.	Halifax	Schr—Glt.	35 8	13 1	4 5			10 W. McC. Book, Halifax, N.S.
122042	Lydia H.	St. Andrews	Sloop	30 8	10 0	6 0			11 Owen Frankland, Grand Manan, N.B.
110886	Lyman Casey	Wallaceburg	Schr—Glt.	126 1	26 0	13 3			277 David A. Gordon, Wallaceburg, Ont.
130436	Lyman M. Davis	Sarnia	Schr—Glt.	123 0	27 2	9 0			198 John Graham, et al., Kincardine, Ont.
111609	M. B. No. 2	New Westminster	Barge—Chd.	65 0	20 0	5 0			60 McKenzie Bros., Ltd., Vancouver, B.C.
107571	M. B. & Co. No. 1	Lindsay	Barge—Chd.	86 6	20 0	5 0			87 Mossom M. Boyd, Bobcaygeon, Ont.
107572	M. B. & Co. No. 2	Lindsay	Barge—Chd.	88 0	22 4	5 0			99 Mossom M. Boyd, Bobcaygeon, Ont.
107573	M. B. & Co. No. 3	Lindsay	Barge—Chd.	80 7	24 6	5 0			100 Mossom M. Boyd, Bobcaygeon, Ont.
107574	M. B. & Co. No. 4	Lindsay	Barge—Chd.	70 0	21 7	5 0			76 Mossom M. Boyd, Bobcaygeon, Ont.
116310	M. C. A.	Charlottetown	Schr—Glt.	73 4	22 7	7 4			77 Cleophas Arsenauz, House Harbour, Magdalen Islands, Que.
106971	M. C. No. 3	Quebec	Barge—Chd.	86 0	29 2	7 6			130 M. Connolly, Quebec, Que.
103972	M. C. No. 4	Quebec	Barge—Chd.	86 0	29 2	7 6			131 M. Connolly, Quebec, Que.
137979	M. D. No. 1	Montreal	Scow—Chd.	48 7	18 8	4 5			30 Montreal Dry Docks & Ship Repairing Co., Ltd., Montreal, Que.
137980	M. D. No. 2	Montreal	Scow—Chd.	20 4	8 0	0 8			1 The Hall Engineering Works, Ltd., Montreal, Que.
138091	M. D. No. 3	Montreal	Scow—Chd.	20 4	6 9	0 8			1 The Hall Engineering Works, Ltd., Montreal, Que.
130535	M. G. C. No. 1	Montreal	Scow—Chd.	101 0	30 0	8 6			401 Montreal General Contracting Co., Ltd., Montreal, Que.
138149	M. H. P. No. 1	New Westminster	Barge—Chd.	100 0	33 0	8 6			261 Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.

* Formerly "Lillie Southernl."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

⊙ Equipped with Wireless—Muni de la T.S.F.—*Alphabetisations—Aériennes*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire-gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Grèement.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered Tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire-gérant, et adresse.
138120	M. H. P. No. 2.....	New Westminster..	Barge—Chd.....	1913	New Westminster, B.C.	100 0	33 0	8 6	261	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
130779	M. T. No. 1.....	Port Arthur.....	Scow—Chd.....	1911	Vancouver, B.C.	101 0	27 5	7 0	193	The Russell Timber Co., Ltd., Port Arthur, Ont.
10901	M. W. No. 1.....	Ottawa.....	Scow—Chd.....	1911	Vancouver, B.C.	86 2	32 1	8 1	193	McNeill, Welch & Wilson, Ltd., Vancouver, B.C.
63937	M. & F. No. 1.....	Ottawa.....	Dredge—Dragne	1896	Ottawa, Ont.	148 5	30 2	12 2	33 2	The Minister of Marine and Fisheries, Ottawa, Ont.
131043	M. & F. No. 2.....	Sorel.....	Dredge—Dragne	1900	Sorel, Que.	165 2	32 0	12 8	509	The Minister of Marine and Fisheries, Ottawa, Ont.
131044	M. & F. No. 3.....	Sorel.....	Dredge—Dragne	1900	Sorel, Que.	149 7	32 3	11 8	480	The Minister of Marine and Fisheries, Ottawa, Ont.
131045	M. & F. No. 4.....	Sorel.....	Dredge—Dragne	1900	Sorel, Que.	149 7	32 3	12 9	530	The Minister of Marine and Fisheries, Ottawa, Ont.
131046	M. & F. No. 5.....	Sorel.....	Dredge—Dragne	1901	Sorel, Que.	160 4	35 3	12 8	520	The Minister of Marine and Fisheries, Ottawa, Ont.
131047	M. & F. No. 6.....	Sorel.....	Dredge—Dragne	1902	Sorel, Que.	177 1	31 5	12 2	559	The Minister of Marine and Fisheries, Ottawa, Ont.
133910	M. & F. No. 7.....	Sorel.....	Dredge—Dragne	1902	Toronto, Ont.	160 0	41 2	10 5	702	The Minister of Marine and Fisheries, Ottawa, Ont.
129829	M. & F. No. 10.....	Sorel.....	Dredge—Dragne	1910	Sorel, Que.	132 5	42 1	9 5	702	The Minister of Marine and Fisheries, Ottawa, Ont.
133960	M. & F. Dredge No. 11.....	Sorel.....	Dredge—Dragne	1911	Sorel, Que.	129 0	12 1	11 9	731	The Minister of Marine and Fisheries, Ottawa, Ont.
134361	M. & F. Dredge No. 12.....	Sorel.....	Dredge—Dragne	1912	Sorel, Que.	180 0	40 1	12 0	682	The Minister of Marine and Fisheries, Ottawa, Ont.
134362	M. & F. Dredge No. 13.....	Sorel.....	Dredge—Dragne	1913	Sorel, Que.	180 0	40 1	12 0	682	The Minister of Marine and Fisheries, Ottawa, Ont.
134363	M. & F. Rock Breaker No. 1.....	Sorel.....	Rock Breaker.....	1911	Sorel, Que.	100 0	36 0	8 3	198	The Minister of Marine and Fisheries, Ottawa, Ont.
111947	M. & P.....	Vancouver.....	Barge—Chd.....	1902	New Westminster, B.C.	85 0	26 0	7 6	155	S. & S. Transportation Co., Ltd., Vancouver, B.C.
83408	M. A. Franklyn.....	Halifax.....	Schr—Glt.....	1882	Clam Harbour, N.S.	36 7	14 3	5 8	22	D. Gerrard, Tor Bay, N.S.
111440	M. A. Jossey.....	Halifax.....	Schr—Glt.....	1903	Spry Bay, N.S.	47 2	11 0	6 0	17	Bertie Leslie, Halifax, N.S.
88596	M. A. Louis.....	Charlottetown.....	Schr—Glt.....	1885	Pulanco, N.S.	71 5	21 5	7 8	64	J. W. Fyfe, Stanley Bridge, P.E.I.
134193	M. B. Wallace.....	Montreal.....	Barge—Chd.....	1917	Charlemaigne, Que.	128 9	27 3	8 0	252	St. Maurice Paper Co. Ltd., Monrovia, Que.
129576	M. C. G. Boudreau.....	Port Hawkesbury.....	Schr—Glt.....	1911	Charlemaigne, N.S.	51 9	13 7	7 0	22	Chas. G. Boudreau, Charlemaigne, N.S.
129571	M. E. Hains.....	Digby.....	Schr—Glt.....	1910	Meteghan River, N.S.	58 0	17 7	6 5	31	Milton Hains, M.O., Freeport, N.S.
116710	M. Elvina C.....	Quebec.....	Schr—Glt.....	1904	St. Fabien, Que.	52 8	19 3	7 3	47	Charles Bouchard and Elzevir Bois, Malbasic, Que.
121963	M. F. Arwood.....	Farrington Passage.....	Sloop.....	1906	Clarke's Harbour, N.S.	34 0	13 0	6 3	15	James Kenney Co., Ltd., Clarke's Harbour, N.S.
130666	M. G. Morgan.....	Richtbucko.....	Schr—Glt.....	1912	Jardineville, N.B.	36 0	12 0	5 0	12	Mrs. Edward Morgan, West Summerville, Mass., U.S.A.
137915	M. J. Albert.....	Chartham, N.B.....	Schr—Glt.....	1905	Caraguat, N.B.	40 5	14 0	6 3	20	John S. Albert, Caraguat, N.B.
116302	M. J. Butler.....	Charlottetown.....	Dredge—Dragne	1901	River John, N.S.	102 5	40 8	7 3	459	M. J. Hancey, Toronto, Ont.
111676	M. J. Taylor.....	Quebec.....	Schr—Glt.....	1901	Spencer's Island, N.S.	150 5	33 6	12 7	377	Joseph Murphy, Levis, Que.
122240	M. L. Nickerson.....	Barrington Passage.....	Sloop.....	1908	Central Woods Harbour, N.S.	29 8	12 0	5 0	10	James E. Nickerson, Central Woods Harbour, N.S.
130782	M. M. Gardner.....	Lunenburg.....	Schr—Glt.....	1911	Lunenburg, N.S.	106 8	26 0	10 6	100	William Chas. Smith, M.O., Lunenburg, N.S.
130759	M. P. Delaney.....	Port Hawkesbury.....	Schr—Glt.....	1915	Grand Etang, N.S.	38 6	11 8	5 3	12	Marceline P. Delaney, Grand Etang, N.S.

SESSIONAL PAPER No. 22

No.	Name	Type	Owner	Home Port	Tonnage	Length	Breadth	Depth	Speed	Agent
126343	M. S. Kenney	Schr—Glt.	Barrington Passage	Shelburne, N.S.	72 0	21 6	8 2	6 6	6 6	William H. Kenney, M.O., Clarke's Harbour, N.S.
97022	M. & L. Chase	Schr—Glt.	Digby	Kennebunk, Me., U.S.A.	69 9	19 7	6 6	6 6	46	Edwin Hooper, Hamilton, Bermuda, B.W.I.
121886	M. O'Toole	Schr—Glt.	Arsheal	U.S.A.	51 6	15 5	6 9	6 9	32	John C. McDonald and H. C. Gann, Capouase, N.S.
130636	M. Robidoux	Sloop	Montreal	Yamaska, Que.	109 4	23 2	6 9	132	132	Robidoux Sugar Co., Ltd., Montreal, Que.
130779	M. T. No. 1	Sloop	Port Arthur	Yamaska, Que.	104 0	27 5	7 0	16	16	The Russell Lumber Co., Ltd., Port Arthur, Ont.
126104	M. Unity	Scow—Chd.	Lambton, N.B.	Tanook, N.S.	50 4	13 4	8 0	26	26	Robin Jones & Whitman, Ltd., Halifax, N.S.
118977	Mabel	Schr—Glt.	Chatham, N.B.	Shipigan, N.B.	58 0	13 7	6 7	38	38	The W. S. Loggie Co., Ltd., Chatham, N.B.
85667	Mabel	Schr—Glt.	Digby	Shipigan, N.B.	59 4	17 7	6 7	39	39	Frank Leighton, Pennfield, N.B.
83293	Mabel	Schr—Glt.	Kingston	Dog Lake, Ont.	87 8	19 0	5 3	59	59	Wm. Jones, Belleville, Ont.
106173	Mabel	Schr—Glt.	Shelburne	Dog Lake, Ont.	87 8	19 0	5 3	59	59	Geo. Savoy, Chatham, N.B.
100564	Mabel	Schr—Glt.	Sydney, N.S.	Lockport, N.S.	53 3	15 4	7 2	217	217	Dominion Coal Co., Ltd., Montreal, Que.
110658	Mabel A.	Sloop	Y. armouth	Palumbo, N.S.	40 0	12 6	6 6	15	15	Samuel Epstein, Yarmouth, N.S.
107710	Mabel B.	Sloop	St. Andrews	Grand Manan, N.B.	29 0	10 6	4 6	9	9	Webster Cosseboom, Grand Manan, N.B.
122140	Mabel L.	Sloop	Toronto	Penetanguishene, Ont.	50 0	20 0	3 0	82	82	W. M. Thompson, Penetanguishene, Ont.
107701	Mabel M.	Sloop	Y. armouth	Barrington, N.S.	30 0	10 6	6 0	110	110	Harry Banks, Sling Harbour, N.S.
85458	Mabel M.	Barge—Chd.	Quebec	Iberville, Que.	103 0	23 8	7 6	129	129	Jos. Mochon, Iberville, Que.
107605	Mabel M.	Schr—Glt.	Weymouth	Maxville, N.S.	30 0	12 5	6 0	29	29	Joseph H. Bull, Charlottetown, P.E.I.
121799	Mabel V.	Schr—Glt.	Y. armouth	Cape Island, N.S.	31 0	10 6	6 0	110	110	D. V. Smith, Cape Island, N.S.
126357	Maberly	Dredge—Draine	Montreal	Sorel, Que.	82 5	22 9	5 3	110	110	Lyon Cohen, Montreal, Que.
121718	Mac	Schr—Glt.	Chatham, N.B.	Miscou, N.B.	31 0	12 0	4 8	110	110	John M. Ward, Miscou Centre, N.B.
121718	Mac, No. 1	Schr—Glt.	Vancouver	Vancouver, B.C.	74 0	26 0	6 3	73	73	Thomas G. McBride, Vancouver, B.C.
133717	MeD. No. II	Scow—Chd.	Vancouver	North Vancouver, B.C.	75 1	30 1	8 0	148	148	Thomas G. McBride, Vancouver, B.C.
107584	MeD. & C. No. I	Barge—Chd.	Lindsay	Lindsay, Ont.	66 5	18 3	5 0	61	61	John Carew, Vancouver, B.C.
107585	MeD. & C. No. One	Barge—Chd.	Lindsay	Lindsay, Ont.	62 6	18 1	4 8	54	54	John Carew, Lindsay, Ont.
107586	MeD. & C. No. Two	Barge—Chd.	Lindsay	Lindsay, Ont.	62 6	18 1	4 8	54	54	John Carew, Lindsay, Ont.
107597	McW. No. 1	Barge—Chd.	New Westminster	New Westminster, B.C.	40 0	12 0	4 0	19	19	Dan'l McWilliams, Westham Islands, B.C.
130848	McBride & Co., 2	Scow—Chd.	Vancouver	North Vancouver, B.C.	73 4	28 0	6 6	123	123	F. G. McBride, M.O., Vancouver, B.C.
131099	McDowall	Dredge—Draine	St. John, N.B.	U.S.A.	114 6	40 3	12 3	806	806	Roger Miller & Co. (P.E.I.), Ltd., Montreal, Que.
117152	McDowall No. 3	Barge—Chd.	New Westminster	Vancouver, B.C.	68 0	23 0	6 6	102	102	John McDowell, Vancouver, B.C.
130780	McJean No. 1	Scow—Chd.	Sault Ste. Marie	Sault Ste. Marie, Ont.	90 0	24 0	8 0	179	179	Alexander B. McLean, Sault Ste. Marie, Ont.
134192	McJean No. 2	Scow—Chd.	Sault Ste. Marie	Sault Ste. Marie, Ont.	80 0	24 0	6 5	125	125	Alexander B. McLean, Sault Ste. Marie, Ont.
134380	McJean No. 3	Scow—Chd.	Sault Ste. Marie	Sault Ste. Marie, Ont.	78 0	30 0	7 0	161	161	Alexander B. McLean, Sault Ste. Marie, Ont.
131008	McMartin	Dredge—Draine	St. John, N.B.	U.S.A.	229 7	37 0	19 9	1,348	1,348	Norton Griffiths Dressing Co., Ltd., Montreal, Que.
121691	Maceabee	Sloop	Y. armouth	Port Maitland, N.S.	34 0	10 3	5 5	10	10	Edison Ellis, M.O., Port Maitland, N.S.
116919	Madeline	Sloop	Vancouver	Brooklyn, N.S.	44 0	13 6	7 0	16	16	Herbert Rendell, M.D., St. John's, Nfld.
121676	Madeline	Sloop	Vancouver	Seattle, Wash., U.S.A.	25 0	9 0	4 0	7	7	John Green, Vancouver, B.C.
138823	Madeline E. Adams	Schr—Glt	Lambton	Wahonee Bay, N.S.	102 6	26 2	10 2	95	95	Wm. Daif, M.O., Lunenburg, N.S.
121896	Madeline Frances	Sloop	Shelburne	Shelburne, N.S.	37 0	13 0	5 7	13	13	Chester L. Guptill, Grand Harbour, N.B.
134102	Madeline L.	Schr—Glt.	Y. armouth	Eel Brook, N.S.	40 0	12 4	5 0	9	9	William Le Blanc, et al., Abrams River, N.S.
96866	Madge	Barge—Chd.	Prescott	Toronto, Ont.	130 0	27 0	11 0	325	325	The Canada Sugar Refining Co., Ltd., Montreal, Que.
107410	Madona	Sloop	Montreal	Sorel, Que.	120 2	24 4	10 7	258	258	Morse Robidoux, St. Michel, Que.
126569	Madonna May	Schr—Glt.	Halifax	Long Island, N.S.	38 8	11 9	5 5	16	16	James Bonnar, Glouce Bay, N.S.
130589	Madonna V.	Schr—Glt.	Halifax	Essex Mass., U.S.A.	91 2	23 8	9 2	77	77	James B. Lange, et al., Lunenburg, N.S.
130589	Maegie	Schr—Glt.	Chatham, N.B.	Caracou, N.B.	34 0	12 0	4 6	10	10	John Paulin, Caracou, N.B.
88570	Maegie	Barge—Chd.	Kingston	Garden Island, Ont.	166 4	26 1	11 8	415	415	Percy C. Bonham, Montreal, Que.
107604	Maegie Alice	Schr—Glt.	Arsheal	Port Felix, N.S.	65 0	22 1	5 7	51	51	Jos. A. Subean, St. John, N.B.
107654	Maegie Alice	Schr—Glt.	St. John, N.B.	The Range, N.B.	65 0	22 1	5 7	51	51	Jos. A. Subean, St. John, N.B.
107316	Maegie Bell	Schr—Glt.	Halifax	West Chezzetcook, N.S.	46 5	16 5	5 9	25	25	Norman Chandler, Chester, N.S.
121918	Maegie Bell	Schr—Glt.	Canso	Half Isld. Cove, N.S.	45 5	14 5	8 0	26	26	Chas. S. Horton, Half Isld. Cove, N.S.
100580	Maegie E. C.	Schr—Glt.	Lambton	Malbone Bay, N.S.	41 8	15 5	6 1	20	20	W. S. Loggie Co., Ltd., Chatham, N.B.
107377	Maegie Ella	Schr—Glt.	Sydney, N.S.	Cape North, N.S.	38 3	12 9	5 3	11	11	Timothy Doucavan, Cape North, N.S.
116350	Maegie F.	Schr—Glt.	Arsheal	River Bourgeois, N.S.	37 0	13 9	6 0	15	15	Stephen Buckland, Glouce Bay, N.S.
92514	Maegie Jane	Schr—Glt.	St. Andrews	Rack Bay, N.B.	29 4	10 5	5 0	10	10	Abw. McNichol, St. George, N.B.
88277	Maegie Jane	Schr—Glt.	St. Andrews	Beaver Harbour, N.B.	37 4	13 9	5 2	18	18	Thos. Bright, Pennfield, N.B.
126564	Maegie Julia	Schr—Glt.	Sydney, N.S.	Canso North, N.S.	35 4	12 2	5 9	13	13	James Fitzgerald, Cape North, N.S.

¹ Formerly "Laval" ² Foreign name "No. 6." ³ Foreign name "Denver." ⁴ Foreign name "Madonna."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Muni de la T.S.F.—Abbreviations—*Abbreviations*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'inscription	Reg. Gisement	Build—Construct in	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
96902	Maggie L.	Kingston	Schr—Glt.	1880	Pictou, Ont.	67 0	17 4	5 2	42	James Richardson & Sons, Ltd., Kingston, Ont., and Lewis Orr, Simons Island, Ont.
116231	Maggie M.	Dugby	Sloop	1901	Margaretsville, N.S.	32 5	12 0	5 1	41	R. A. McGranahan, Margaretsville, N.S.
107905	Maggie M. F.	Canso	Schr—Glt.	1890	Quebecport, N.S.	41 0	12 4	6 9	15	James Fitzgerald, Quebecport, N.S.
97106	Maggie M. W.	Lambert	Schr—Glt.	1881	Lambert, N.S.	71 5	23 5	8 8	89	Geo. M. Barr, St. John's, Nfld.
96805	Maggie May	Halifax	Schr—Glt.	1891	Chesapeake, N.S.	62 6	21 0	9 0	62	John E. Beaver, Pleasant Harbour, N.S.
116733	Maggie May	Halifax	Schr—Glt.	1901	Madison Bay, N.S.	39 8	11 3	6 5	17	P. F. Horne, Eastern Passage, N.S.
116653	Maggie P.	Yarmouth	Schr—Glt.	1899	Meteghan, N.S.	31 0	11 6	4 0	8	Stillman Crowell, Clarke's Harbour, N.S.
77754	Maggie Page	Shelburne	Bagn—Bkght.	1879	Port Le Bert, N.S.	86 0	24 0	9 4	110	John Peters, Halifax, N.S.
72955	Maggie S.	St. John, N.B.	Schr—Glt.	1876	St. Martin's, N.B.	79 0	26 0	7 5	83	Caleb Reed, Rockport, N.B.
130333	Maggie Swift.	Chatham, N.B.	Schr—Glt.	1907	Point Sapin, N.B.	32 0	10 0	5 0	11	Donald H. McDonald and Ernest S. McDonald, Point au Carr, N.B.
116915	Maggie and Esther.	Pictou, N.S.	Schr—Glt.	1905	Point Monton, N.S.	42 0	12 4	5 0	11	McGregor Fraser, Pictou, N.S.
134226	Maggie	Chatham, N.B.	Schr—Glt.	1914	Carriquet, N.B.	29 0	10 8	4 8	10	Jean Lezer, Carriquet, N.B.
85401	Maggie	Magdalen Islands	Schr—Glt.	1912	Pointe-Basse, Que.	55 7	17 4	6 8	32	Ernest Pointe, Descente, N.S.
116929	Maggie	Victoria	Barge—Chd	1904	Victoria, B.C.	95 0	30 3	6 8	132	The Pacific Towing & Lightering Co., Ltd., Victoria, B.C.
13891	Maid of Brazil	Weymouth	Schr—Glt.	1918	Grosses Côques, N.S.	141 0	32 6	12 8	387	Frank K. Warren, Halifax, N.S.
97055	Maid of the Mist.	Liverpool	Schr—Glt.	1893	Liverpool, N.S.	69 0	19 6	7 8	58	John Milhard, Liverpool, N.S.
74339	Mainland	Chatham, N.B.	Barge—Gld	1909	Chatham, N.B.	104 0	26 0	6 6	101	J. B. Snowball Co., Ltd., Chatham, N.B.
129608	Mainland	Parrsboro	Schr—Glt.	1909	Green Cove, N.S.	62 0	25 4	11 1	45	John M. McDougall, St. George, N.B.
116518	Maize	Montreal	Schr—Glt.	1856	Green Cove, N.S.	136 8	25 4	11 1	291	The Atlas Sand Co., Ltd., Montreal, Que.
109955	Magesite	St. Andrews	Schr—Glt.	1892	Carriquet, N.B.	36 0	12 9	4 5	10	The W. S. Longie Co., Ltd., Chatham, N.B.
111558	Magesite	St. Andrews	Sloop	1892	Grand Manan, N.B.	28 6	12 4	5 0	12	Wm. Flewelling, Grand Manan, N.B.
91775	Maikabar	Charlottetown	Schr—Glt.	1888	Lambert, N.S.	77 8	23 5	8 9	93	Stamper Grady, Summerside, P.E.I.
134333	Malbique	Yarmouth, N.B.	Schr—Glt.	1914	St. John, N.B.	33 0	10 8	5 0	11	Pierre D. Landeige, Misson Centre, N.B.
103714	Malcolm Cam	Yarmouth	Schr—Glt.	1898	Lockport, N.S.	112 0	29 1	10 8	137	Hugh Cann & Son, Ltd., Yarmouth, N.S.
134081	Malden	Amherstburg	Sloop—Chd	1886	Chatham, Ont.	77 6	29 0	5 0	65	John S. McQueen, Amherstburg, Ont.
134325	Mallet	Chatham, N.B.	Schr—Glt.	1903	Shippigan, N.B.	32 8	11 0	4 5	10	Joseph Robichaud, Shippigan, N.B.
103558	Malvina	Montreal	Barge—Chd	1896	Yanaska, Que.	109 2	23 4	23 5	107	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
96807	Manougan	Montreal	Barge—Chd	1897	Montreal, Que.	129 4	28 0	11 2	370	Montreal Transportation Co., Ltd., Montreal, Que.
96857	Manougan	Ottawa	Barge—Chd	1896	Yanaska, Que.	92 6	21 8	12 6	143	The Minister of Marine and Fisheries, Ottawa, Ont.
83286	Manitoba	Kingston	Barge—Chd	1882	Bedford Mills, Ont.	103 0	17 2	5 6	75	Benjamin Tetla, Bedford Mills, Ont.
127167	Manley & Co., No. 1	Montreal	Dredge—Dredge	1908	Buffalo, N.Y., U.S.A.	75 4	26 3	5 1	148	Michael McAuliff, et al., J. O., Welland, Ont.
130144	Mansuet	Montreal	Sloop	1908	Quebec, Que.	82 2	26 1	5 7	67	Geo. Dansereau, Grenville, Que.
116829	Maple Leaf	Barrington Passage	Sloop	1902	Cape Island, N.S.	30 5	11 9	6 2	11	C. E. Nickerson, Villageside, N.S.

SESSIONAL PAPER No. 22

112158	Maple Leaf.....	Chatham, N. B.	Schr—Glt.	1902	Shippigan, N. B.	58 0	13 0	5 5	13	Win. Fraing & Co., Ltd., Jersey, C.I.
106511	Maple Leaf.....	Chatham, N. B.	Schr—Glt.	1903	Parshotch, Que.	37 3	12 4	5 2	13	Sylvain Plourde, Fair Isle, Neague, N.B.
106237	Maple Leaf.....	Digby.....	Sloop.	1905	Wastouch, N.S.	33 6	11 3	5 6	10	Lew is Connors, Black's Harbour, N.S.
107567	Maple Leaf.....	Parishboro	Schr—Glt.	1902	Speenors' Island, N.S.	91 8	25 1	7 0	98	Alfred Herting, Desoussie, N.S.
91800	Maple Leaf.....	Charlottetown.	Schr—Glt.	1900	Wellford, N.B.	48 0	15 0	5 0	21	Louis H. Herting, Murray River, P.E.I.
92436	Maple Leaf.....	Toronto.....	Schr—Glt.	1886	Bronte, Ont.	70 0	18 5	5 4	59	Richard Goldring, M.O., Toronto, Ont.
92709	Maple Leaf.....	Winnipeg.....	Barge—Clud	1880	Port Frances, Ont.	62 0	14 6	5 5	34	Walker Ross, Kenora, Ont.
334369	Margaret L.	Sarsol.....	Dredge—Draque	1913	Sorel, Que.	109 5	23 3	7 9	163	Nazaire Laroche, Sorel, Que.
117056	Margaret.....	Canso.....	Schr—Glt.	1903	Queensport, N.S.	41 6	13 6	6 7	16	Robert T. Matthews, M.O., Queensport, N.S.
110978	Margaret.....	Chatham, N. B.	Schr—Glt.	1905	Shippigan, N.B.	40 0	13 1	5 4	16	The W. S. Lezgie Co., Ltd., Chatham, N.B.
111811	Margaret.....	Dawson.....	Seaw—Clud	1901	Vancouver, B.C.	129 6	36 7	6 1	566	The Northern Light Power & Coal Co., Ltd., Dawson, Y.T.
108117	Margaret.....	S.C. Andrews.	Schr—Glt.	1895	Gloversier, Mass., U.S.A.	59 0	18 2	6 0	49	J. L. Clark, St. George, N.B.
121888	Margaret.....	Yarmouth.....	Schr—Glt.	1906	Cape Island, N.S.	31 0	11 0	6 0	10	Bryant Newell, Cape Island, N.S.
139259	Margaret Ann.	Chatham, N. B.	Schr—Glt.	1903	Lanark, N.B.	37 0	13 3	5 3	13	John Jones, Little Lanark, N.B.
75640	Margaret F. Dick.	Windsor, N. S.	Schr—Glt.	1918	Transport, N.S.	199 0	39 1	18 5	1,032	British Colonies Transportation Co., Ltd., Toronto, Ont.
126291	Margaret Kathleen	St. Catharines.	Seaw—Clud.	1879	Meriton, Ont.	113 8	24 9	7 1	148	Joseph Battle, Thorold, Ont.
111909	Margaret May	Canso.....	Schr—Glt.	1897	White Haven, N.S.	40 3	13 0	6 0	16	Patrick J. Conway, White Haven, N.S.
107296	Margaret May Riley	Arichat.....	Schr—Glt.	1909	Canso, N.S.	36 4	10 1	5 1	12	J. Kavanagh, Canso, N.S.
138591	Margery Austin	St. John, N. B.	Schr—Glt.	1900	Granville, N.S.	123 5	30 5	11 2	241	Frank Backworth & Co., Ltd., Cork, Ireland.
138826	Margery Mahaffy.	Lunenburg.	Schr—Glt.	1918	Harvey Bank, N.B.	86 2	27 8	8 1	112	C. W. Robinson, M.O., Moncton, N.B.
111894	Marguerite.....	Charlottetown.	Schr—Glt.	1918	Malbone Bay, N.S.	116 2	27 0	11 0	113	H. W. Adams and Alex. Kinkele, Lunenburg, N.S.
107479	Marguerite.....	Digby.....	Schr—Glt.	1904	Grosses Coquec, N.S.	97 0	24 8	8 0	98	Henry J. Jones, Bridge-town, Barbadoes, B.W.I.
106712	Marguerite.....	Yarmouth.....	Sloop.	1900	Digby, N.S.	40 0	15 3	6 5	24	F. A. Macdonald, Scott's Bay, N.S., and Harry Peters, Westport, N.S.
139672	Marguerite H.	Lunenburg.	Schr—Glt.	1897	Pulnico, N.S.	35 0	11 9	5 4	19	F. Brannon, Wood's Harbour, N.S.
138641	Marsuotte Zinec	La Have.....	Schr—Glt.	1911	Malbone Bay, N.S.	71 6	23 0	9 2	16	David Heisler, M.O., Lunenburg, N.S.
88463	Maria.....	Arichat.....	Schr—Glt.	1892	Petite de Grat, N.S.	108 6	26 7	10 5	99	John Zincs, M.O., La Have, N.S.
103622	Maria.....	Quebec.....	Sloop.	1896	Isle aux Grues, Que.	33 4	13 0	4 2	14	H. McDonald, Glace Bay, N.S.
102990	Maria.....	Quebec.....	Schr—Glt.	1897	Isle aux Grues, Que.	56 0	17 6	6 5	40	J. G. Normand, Isle aux Grues, Que.
112933	Maria.....	Quebec.....	Schr—Glt.	1902	Manicougan, Que.	44 4	16 4	5 4	23	J. Boudreault, Moisie River, Que.
110702	Maria A.	Charlottetown.	Schr—Glt.	1903	St. Jean Deschailhons, Que.	56 3	17 9	4 8	27	Joseph Guayin, Deschailhons, Que.
106552	Maria A.	Quebec.....	Schr—Glt.	1895	Smith's Cove, N.S.	42 2	13 3	5 9	22	Bradford W. LePage, Rusticoville, P.E.I.
55863	Maria Annetta	Port Hope.....	Schr—Glt.	1896	Bie, Que.	37 6	14 0	5 0	13	Louis Bouchard, M.O., Isle aux Coudres, Que.
55863	Maria Annetta	Quebec.....	Schr—Glt.	1897	Quebec, Que.	125 0	25 3	9 5	196	R. Homing, Port Hope, Ont.
92539	Maria Decora.....	Quebec.....	Schr—Glt.	1887	St. Jean de Charcot (Ml), Que.	51 8	17 2	7 0	37	C. Savard, St. Fulgence, Que.
85742	Maria Stella.....	Quebec.....	Sloop.	1883	St. Jean, Isle d'Orleans, Que.	40 2	15 2	5 4	19	J. Tremblay, Tadoussac, Que.
111615	Maria Stella	Quebec.....	Schr—Glt.	1901	St. Fulgence, Que.	68 8	21 5	7 0	61	Theodore Gagne, Ste. Anne de Monts, Que.
110654	Mariana.....	Shelburne.....	Schr—Glt.	1905	Sable River, N.S.	62 4	18 5	6 7	35	John H. Thorburn, et al., Sand Point, N.S.
107779	Maria.....	Charlham, N. B.	Schr—Glt.	1900	Shippigan, N.B.	40 4	13 2	5 6	15	Gaspard Savoy, Shippigan, N.B.
92403	Marie.....	Charlham, N. B.	Schr—Glt.	1876	Shippigan, N.B.	33 0	11 2	4 6	11	O. Chasson, Shippigan, N.B.
96771	Marie.....	Port Hawkesbury.	Schr—Glt.	1885	Grande Anse, N.B.	50 1	16 2	5 4	25	Joseph U. Landry, Grande Anse, N.B.
100853	Marie.....	Quebec.....	Sloop.	1892	Cheticamp, N.S.	33 3	10 6	5 0	10	Robin, Jones & Whitman, Ltd., Halifax, N.S.
111630	Marie Alice.	Quebec.....	Sloop.	1901	Bay St. Paul, Que.	51 6	19 8	4 8	25	P. Guérin, Mille Vuaches, Que.
75847	Marie Alice.	Pictou, N. S.	Schr—Glt.	1879	St. Paul, Que.	36 7	13 5	4 6	13	Edward Javoie, Bay St. Paul, Que.
110983	Marie Alice.	Quebec.....	Schr—Glt.	1903	St. Croix, Que.	70 0	21 4	5 9	53	Louis Dolishe, Ste. Croix, Que.
106229	Marie Alimanda.	Quebec.....	Schr—Glt.	1897	St. Croix, Que.	61 2	18 0	6 9	44	Jean V. Gagne, M.O., Cap Chat, Que.
107236	Mario Alphonse	Quebec.....	Schr—Glt.	1903	Ile aux Coudres, Que.	32 8	10 5	4 4	10	P. Veau, St. Michel de Bellechasse, Que.
112054	Mario Ange	Quebec.....	Schr—Glt.	1902	St. Michel, Que.	76 2	23 0	7 2	75	Joseph Stungard, St. André de Kamouraska, Que.
111621	Mario Anna.	Quebec.....	Schr—Glt.	1901	St. Croix, Que.	49 6	16 7	8 5	27	Clas. Bonelard, Malbaie, Que.
104155	Mario Anna.	Quebec.....	Schr—Glt.	1901	Natashquan, Que.	51 0	16 4	6 8	31	Arthur Bonelard, St. Luce, Que.
103155	Mario Anna.	Quebec.....	Schr—Glt.	1886	La Romaine, Que.	33 6	11 6	4 8	11	H. Bilodeau, St. Thomas de Montmagny, Que.
107257	Mario Anne.	Quebec.....	Schr—Glt.	1875	Esquimaux Point, Que.	51 2	17 0	6 8	36	A. Lestellier, Quebec, Que.
107257	Mario Anne.	Quebec.....	Schr—Glt.	1897	Chateau Redier, Que.	80 0	21 0	7 0	75	W. Parry, Chateau Redier, Que.

*Formerly a steamer.

†Foreign name "Dredge No. 4."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. *Abbreviations - Abréviations: J.O., Joint owners - propriétaires conjoints; M.O., Managing owner - propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage.	Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107239	Marie Anne	Quebec	Schr—Glt	1881	Caribon Islands, Que.	32 4	11 7	4 8	12	12	L. T. Comeau, Caribon Islands, Que.
108327	Marie Anne	Quebec	Schr—Glt	1895	Les Écureuils, Que.	43 5	13 2	3 8	14	14	Isidore Godin, Les Écureuils, Que.
80766	Marie Anne	Quebec	Schr—Glt	1881	St. Irénée, Que.	38 5	14 0	5 1	17	17	Thos. Minville, St. Thomas de Montmagy, Que.
92340	Marie Anne	Quebec	Schr—Glt	1887	Cap Châti, Que.	58 8	19 8	8 6	61	61	Ludger and Moise Vallée, J.O., Ste. Anne des Monts, Que.
97120	Marie Anne	Quebec	Schr—Glt	1891	St. Croix, Que.	90 0	22 1	7 9	108	108	N. Boisvert, Ste. Croix, Que.
103365	Marie Anne	Quebec	Schr—Glt	1894	Murray Bay, Que.	64 4	19 0	7 1	59	59	F. Tremblay, Ste. Siméon, Que.
121863	Marie Anne	Quebec	Schr—Glt	1905	St. Siméon, Que.	68 4	19 7	7 5	46	46	Samael Coté, Cap Châti, Que.
111616	Marie Antoinette	Quebec	Schr—Glt	1870	St. Fulgence, Que.	61 2	20 8	6 4	22	22	Siméon Thiboutot, Sandy Bay, Que.
66053	Marie Antoinette	Quebec	Schr—Glt	1876	Rivière du Loup, Que.	36 5	12 8	5 6	22	22	Onésime Bédouin, Kamouraska, Que.
43493	Marie Beatrice	Paspébiac	Schr—Glt	1916	Carleton, Que.	32 6	13 2	5 0	11	11	Theodore Boudreau, Carleton Centre, Que.
92764	Marie Bertha	Quebec	Schr—Glt	1887	Cacama, Que.	44 0	14 8	6 0	23	23	Firmin Paradis, Cacama, Que.
116218	Marie Blanche	Quebec	Schr—Glt	1903	Les Écureuils, Que.	47 6	16 9	5 2	21	21	A. Roy Fournier, St. Roch des Avallées, Que.
88320	Marie Blanche	Quebec	Schr—Glt	1885	St. Siméon, Que.	51 0	17 2	6 8	40	40	A. Roy dit Desjardins, St. Germain, Que.
109278	Marie Colla	Chartham, N.B.	Schr—Glt	1891	Bathurst, N.B.	37 0	12 5	5 2	13	13	The C. Robin Collas Co., Ltd., Halifax, N.S.
103136	Marie Chasson	Chartham, N.B.	Schr—Glt	1916	Cararquet, N.B.	44 0	15 0	6 3	21	21	Augustin Chasson, Cararquet, N.B.
103136	Marie Claude	Quebec	Schr—Glt	1894	Sandy Bay, Que.	43 4	14 7	5 4	52	52	Melasse Simard, La Petite Rivière, St. François, Que.
103369	Marie Clélia	Quebec	Schr—Glt	1891	Les Écureuils, Que.	64 2	20 2	6 5	52	52	C. Bédouin, Les Écureuils, Que.
133019	Marie Delphine	Chartham, N.B.	Schr—Glt	1913	Lamok, N.B.	39 0	13 2	5 3	16	16	Joseph H. Sayote, Lamok, N.B.
109365	Marie Elise	Quebec	Schr—Glt	1895	Isle aux Coudres, Que.	46 2	15 0	5 6	19	19	N. Harvey, Isle aux Coudres, Que.
109366	Marie Elizabeth	Quebec	Schr—Glt	1891	St. Fiddle, Que.	46 5	16 2	5 6	23	23	Alfred Frenette, Ste. Lucie, Que.
88315	Marie Elizabeth	Quebec	Schr—Glt	1884	Bay St. Paul, Que.	60 0	21 7	8 0	56	56	R. Boudreau, Anse St. Jean, Que.
107223	Marie Emma	Quebec	Schr—Glt	1907	Bir, Que.	63 0	20 2	7 0	54	54	P. Pineault, Rimouski, Que.
116716	Marie Emma	Quebec	Schr—Glt	1905	St. Alexis, Que.	68 0	22 3	6 1	54	54	Hydas Boudreau, Anse St. Jean, P.Q.
117182	Marie Felle	Chartham, N.B.	Schr—Glt	1905	Cararquet, N.B.	42 0	13 7	5 8	20	20	J. A. Dorian, Cararquet, N.B.
138287	Marie Georgina	Chartham, N.B.	Schr—Glt	1917	Cararquet, N.B.	45 0	14 0	6 0	22	22	Joseph E. Albert, Cararquet, N.B.
66079	Marie Jeanne	Quebec	Schr—Glt	1873	Grenadines, Que.	92 0	23 5	8 4	128	128	J. Tremblay, Murray Bay, Que.
103985	Marie Joseph	Quebec	Schr—Glt	1897	Les Écureuils, Que.	49 4	15 7	6 0	23	23	Gaudias Choumbo, St. Thomas de Montmagy, Que.
109292	Marie Joseph	Chartham, N.B.	Schr—Glt	1891	Shippigan, N.B.	36 4	12 3	4 6	12	12	André D. Choumbo, Lamok, N.B.
96772	Marie Joseph	Port Hawkesbury	Schr—Glt	1894	Chedoke, N.S.	32 2	11 1	5 4	11	11	Robin, Jones & Whittman, Ltd., Halifax, N.S.
100452	Marie Joseph	Quebec	Schr—Glt	1892	St. Fulgence, Que.	60 6	20 6	6 0	47	47	Symphorien Bernier, Montmagy, Que.
107495	Marie Joseph	Quebec	Schr—Glt	1898	Natashquan, Que.	45 0	13 8	6 0	22	22	Évariste Tremblay, Isle aux Coudres, Que.
116718	Marie Joseph	Quebec	Sloop	1905	La Petite Rivière, St. François Xavier, Que.	63 0	19 6	5 6	41	41	Joseph Gauthier, St. Irénée, Que.
86757	Marie Josephine	Quebec	Schr—Glt	1876	St. Michel, Que.	31 0	13 5	4 6	11	11	Narcisse Lévesque, Isle Verte, Que.

133994	Mario Josline	Chatham, N.B.	Schr—Glt	1915	Caraquet, N.B.	38 9	14 7	6 5	24	Joseph A. Dorion, Caraquet, N.B.
107505	Mario L'Esperance	Quebec	Schr—Glt	1895	Isle aux Coudres, Que.	45 0	12 6	4 8	75	Louis Harvey, Isle aux Coudres, Que.
83446	Mario Lavigne	Quebec	Schr—Glt	1884	Les Eboulements, Que.	49 7	15 8	6 5	33	Marinable Lecomte, St. Thomas, Que.
134009	Mario LeRouthillier	Chatham, N.B.	Schr—Glt	1914	Caraquet, N.B.	43 0	15 0	6 2	18	Edward A. Le Routhillier, Caraquet, N.B.
106925	Mario Louise	Chatham, N.B.	Schr—Glt	1892	Caraquet, N.B.	43 0	13 7	5 4	19	Joseph A. L'Amir, Caraquet, N.B.
116471	Mario Louise	Chatham, N.B.	Schr—Glt	1903	Caraquet, N.B.	35 0	11 1	4 3	11	Clusave Chausson, Caraquet, N.B.
75449	Mario Louise	Caspé	Schr—Glt	1878	Arctoudi, Que.	45 0	15 5	6 3	23	Mrs. Z. Castonguay, Macdonald, Que.
69384	Mario Louise	Quebec	Schr—Glt	1889	Natastapan, Que.	42 6	15 2	4 8	33	F. Germain, sr., Quebec, Que.
100365	Mario Louise	Quebec	Schr—Glt	1889	Isle aux Grues, Que.	35 0	12 8	6 4	38	Alfred Tremblay, Grandes Bergeronnes, Que.
100457	Mario Louise	Quebec	Schr—Glt	1892	Que.	52 4	18 6	6 4		
103611	Mario Louise	Quebec	Schr—Glt	1895	Isle aux Coudres, Que.	41 0	14 8	5 7	21	T. Tremblay, Isle aux Coudres, Que.
107222	Mario Louise	Quebec	Schr—Glt	1907	Rte, Que.	50 6	15 6	6 4	29	Charles Couillard, Sandy Bay, Que.
116750	Mario Louise	Quebec	Schr—Glt	1905	St. Fidèle, Que.	43 6	12 6	6 2	29	L. A. Côté, St. Luc, Que.
107224	Mario Louise Elida	Quebec	Schr—Glt	1903	Isle aux Coudres, Que.	53 2	17 9	6 1	31	Lorace Chouinard, M.O., Grand Médis, Que.
103139	Mario Louisina	Quebec	Schr—Glt	1894	Murray Bay, Que.	37 9	13 7	5 1	31	Elphège Bessette, Sverolsburg, Que.
80734	Mario Louisina	Quebec	Schr—Glt	1880	Isle aux Coudres, Que.	64 4	19 2	6 2	29	Desiré Morin, L'Islet, Que.
141002	Mario Louisina	Quebec	Schr—Glt	1898	Grandes Bergeronnes, Que.	49 9	13 5	6 3	157	Joseph Dumont, fils, Lévis, Que.
103828	Mario Nellida	Quebec	Schr—Glt	1896	Trandues, Que.	37 0	20 2	5 6	19	L. Bouliane, Petites Bergeronnes, Que.
100943	Mario Olivia	Quebec	Schr—Glt	1893	Isle aux Coudres, Que.	32 4	12 6	4 8	12	Alex. Blas, Berthier, Que.
111497	Mario Post	Quebec	Sloop	1900	La Petite Rivière, St. François Xavier, Que.	58 6	18 2	5 4	35	Thomas Tremblay, Les Eboulements, Que.
137021	Mario Raquette	Chatham, N.B.	Schr—Glt	1915	Mazonette, N.B.	37 0	12 5	4 5	12	Xavier Mainvielle, Caraquet, N.B.
111626	Mario Roseman	Quebec	Schr—Glt	1901	Bate St. Paul, Que.	48 3	19 1	6 0	26	Leon Elie, Bate St. Paul, Que.
125909	Mario St. Laurent	Quebec	Schr—Glt	1908	Isle aux Coudres, Que.	52 0	15 8	5 9	31	Joseph and Marcel Harvey, Isle aux Coudres, Que.
117150	Mario Stella	Halifax	Schr—Glt	1906	Grand Deser, N.S.	59 4	16 3	6 5	36	George Kall, Cudray, Nfld.
104986	Mario Vignante	Quebec	Schr—Glt	1895	Goose Island, Que.	71 2	19 2	7 0	39	J. B. Bernier, Bird Island, Que.
100954	Mario Zoé	Quebec	Schr—Glt	1886	Bate St. Paul, Que.	56 0	18 5	4 4	41	P. Perron, St. Thomas, Montserrat, Que.
121862	Maria	Paspohate	Schr—Glt	1906	Lunenburg, N.S.	32 0	11 5	4 8	78	Robin, Jones & Whitman Ltd., Halifax, N.S.
150816	Maria Adams	Lunenburg	Schr—Glt	1908	Lunenburg, N.S.	106 8	26 3	10 4	100	Henry Adams, M.O., Lunenburg, N.S.
128821	Mario Elizabeth	Lunenburg	Schr—Glt	1912	Lunenburg, N.S.	112 9	26 3	10 4	100	John Westhaver, M.O., Lunenburg, N.S.
100696	Mario Emerson	Magdalen Islands	Schr—Glt	1908	Lunenburg, N.S.	51 5	16 0	6 5	14	William C. Leslie, Grimstone Island, M.I., Que.
135856	Mario G.	St. John, N.B.	Sloop	1895	Murray Harbour, P.E.I.	172 9	26 3	10 4	14	George Ghospy, St. John, N.B.
135859	Mario G.	St. John, N.B.	Sloop	1891	Deer Island, N.B.	43 3	13 3	6 5	44	W. Norman Reinhardt, et al., La Have, N.S.
138540	Mario L. Brook	Kingston	Schr—Glt	1917	Fox River, N.S.	109 1	26 3	12 3	298	John McGibbon, Sarnia, Ont.
129620	Mario L. Mason	Lunenburg	Schr—Glt	1918	Chesler Island, Ont.	127 1	23 5	11 9	99	Win. Duff, M.O., Lunenburg, N.S.
129620	Mario Mosher	Lunenburg	Schr—Glt	1918	Chesler Basin, N.S.	110 4	26 2	10 5	93	Waymar Corp., et al., Lunenburg, N.S.
129620	Mario R.	Halifax	Schr—Glt	1910	Lunenburg, N.S.	105 0	25 8	10 5	92	Edward and Andrew Parker, J.O., Owl's Head, N.S.
154346	Mario E. Baellman	Lunenburg	Schr—Glt	1914	Popes Harbour, N.S.	51 5	13 6	6 2	2	Joshua E. Baekman, M.O., River Port, N.S.
137027	Mario Y.	Halifax	Schr—Glt	1915	Sheburne, N.S.	109 0	26 4	10 8	99	Harry W. Nickerson, Pennant, N.S.
158200	Mark H. Gray	Halifax	Schr—Glt	1916	Pennant, N.S.	43 0	10 5	5 4	98	Ephraim Nickerson, Burin, Nfld.
130695	Marona	Halifax	Schr—Glt	1912	Manogue Bay, N.S.	106 4	26 5	10 0	25	Edward Parker, et al., Owl's Head, N.S.
100455	Marques	Quebec	Schr—Glt	1905	Tancook, N.S.	49 2	13 0	6 9	61	Armand and Paul Dufour, J.O., St. Fidèle, Que.
92213	Martha	Liverpool	Schr—Glt	1886	St. Fidèle, Que.	73 2	23 7	6 0	11	John Arsenau, Margaree, N.S.
107769	Martha B.	Charlottetown	Schr—Glt	1886	Brooklyn, N.Y., U.S.A.	33 2	12 7	5 0	19	James Fraser, New Harris, N.S.
44072	Martha Parsons	Windsor, N.S.	Schr—Glt	1902	Montague, P.E.I.	37 3	14 6	6 6	45	George M. Parsons, et al., Cheverie, N.S.
58252	Mary	Archat	Schr—Glt	1918	Chicoutimi, N.B.	138 9	38 5	13 0	23	James Millus, Glace Bay, N.S.
50992	Mary	Chatham, N.B.	Schr—Glt	1870	French Village, N.S.	49 5	16 3	6 7	11	J. Gionet, Caraquet, N.B.
11847	Mary	Chatham, N.B.	Schr—Glt	1880	Caraquet, N.B.	34 0	12 8	4 4	14	D. Albert, Caraquet, N.B.
103314	Mary	Port Hawkesbury	Schr—Glt	1902	Caraquet, N.B.	38 4	13 6	5 4	51	John Boudrot, Eastern Harbour, N.S.
60906	Mary A.	Quebec	Schr—Glt	1893	Chicoutimi, N.S.	34 0	10 6	5 0	10	Emile Potvin, St. Alexis, Que.
12571	Mary A.	Archat	Schr—Glt	1900	Canso, N.S.	59 4	18 0	8 9	11	Joseph Petzsch, White Head, N.S.
74142	Mary A.	Sydney, N.S.	Schr—Glt	1900	Broad Cove, N.S.	34 0	10 0	5 9	11	Hubert Theriault, North Sydney, N.S.
112587	Mary A. Dunphy	Sydney, N.S.	Schr—Glt	1903	Broad Cove, N.S.	40 5	19 0	7 6	15	Henry Gibbs, M.O., Halifax, N.S.
91671	Mary A. W.	Halifax	Schr—Glt	1889	Ingonish, N.S.	65 5	14 1	5 5	1	Mary Ann Blakney, St. Margaret's Bay, N.S.
					St. Margaret's Bay, N.S.	36 5	11 9	6 0		

1 Formerly "Boona."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. — *Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.		Rig. Gréement.	Built—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
		Part of Registry.	Part of Registry.								
103459	Mary Alice	Arichat	Arichat	Schr—Glt	1898	West Arichat, N.S.	60 8	17 9	7 6	47	Abraham Terris, West Arichat, N.S.
116315	Mary Alice	Arichat	Arichat	Schr—Glt	1903	Arichat, N.S.	36 4	10 0	4 0	46	Patrick E. Sampson, L. Arichat, N.S.
85388	Mary Alice	Halifax	Halifax	Schr—Glt	1883	La Havoise, N.S.	30 4	10 0	4 0	21	Wm. Malcolm, Fort Malcolm, N.S.
	Mary Ann	Dunville	Dunville	Barge—Chd	1897	Stromness, Ont	75 0	13 0	8 8	37	Pigeon River Lumber Co., Port Arthur, Ont.
71162	Mary Ann Lydon	Kingston	Kingston	Schr—Glt	1874	Port Burwell, Ont.	112 0	23 0	11 2	15	John V. Sowards, Kingston, Ont.
111479	Mary Atalanta	Arichat	Arichat	Schr—Glt	1901	River Bourgeois, N.S.	37 6	13 4	5 3	13	John N. Burke, River Bourgeois, N.S.
116476	Mary Beatrice	Chatham, N.B.	Chatham, N.B.	Schr—Glt	1903	Tracadie, N.B.	31 0	12 0	4 3	10	Thomas Savoy, Baie-Croche, N.B.
92385	Mary Bedford	Kingsston	Kingsston	Barge—Chd	1888	Bedford Mills, Ont.	101 0	17 0	6 6	38	Bonjamin Todd, Bedford Mills, Ont.
116477	Mary Bell	Charlottetown	Charlottetown	Schr—Glt	1906	Martimique, N.S.	49 0	16 8	7 7	9	Augustus Aylewood, Charlottetown, P.E.I.
122181	Mary Bell	Halifax	Halifax	Schr—Glt	1893	Harrigan Cove, N.S.	32 8	11 9	5 7	10	J. A. McDonald, Harrigan Cove, N.S.
109258	Mary Bell	Halifax	Halifax	Schr—Glt	1918	Yamaska, Que.	108 4	23 2	7 7	12	Moise Robidoux, Yamaska, Que.
140555	Mary Bomka	Montreal	Montreal	Schr—Glt	1918	River Bourgeois, N.S.	30 0	9 0	5 4	11	Abraham Burke, River Bourgeois, N.S.
138000	Mary C. L.	Arichat	Arichat	Schr—Glt	1884	Harbour Island, Bahamas	110 4	27 6	10 4	207	G. C. Hart, Halifax, N.S.
138114	Mary Culmer	Halifax	Halifax	Schr—Glt	1884	H.W.I.					
106380	Mary D.	Sydney, N.S.	Sydney, N.S.	Schr—Glt	1893	Little Bras d'Or, N.S.	46 8	16 7	6 2	27	Simon Douvoux, Bras d'Or, N.S.
88464	Mary E.	Arichat	Arichat	Schr—Glt	1882	Sandy Cove, N.S.	33 1	11 2	5 2	14	C. W. Rankin, Grimsdome, Magdalen Islands, Que.
85664	Mary E.	Halifax	Halifax	Schr—Glt	1881	Malone Bay, N.S.	41 6	12 6	5 6	13	Fra S. Baker, West Dover, N.S.
107355	Mary E.	Sydney, N.S.	Sydney, N.S.	Schr—Glt	1894	Ingonish, N.S.	33 2	12 4	5 2	10	Alban McIntyre, Ingonish, N.S.
130665	Mary E. Burton	Sydney, N.S.	Sydney, N.S.	Schr—Glt	1910	Aspy Bay, N.S.	56 7	18 0	6 4	47	Angus Burton, Aspy Bay, N.S.
117144	Mary E. Faulkner	Halifax	Halifax	Schr—Glt	1915	Beddore, N.S.	42 3	12 0	6 0	14	Angus Nicholson, North Sydney, N.S.
138901	Mary E. McLaughlin	Port Arthur	Port Arthur	Schr—Glt	1893	West Bay City, Mich. U.S.A.	361 0	41 0	21 6	1,739	Thomas Falls, Port Arthur, Ont.
130655	Mary E. Rive	Chatham, N.B.	Chatham, N.B.	Schr—Glt	1911	Caracquet, N.B.	41 5	14 2	6 4	21	Theodore Lantique, Caracquet, N.B.
129068	Mary E. Spears	Charlottetown	Charlottetown	Schr—Glt	1905	Whitehead, N.S.	35 7	12 1	5 4	10	David Spears and Watson Jost, Frenon River, P.E.I.
126390	Mary Edna	Canso	Canso	Schr—Glt	1914	Charles Cove, N.S.	33 0	11 7	6 0	15	Thomas L. Burke, River Bourgeois, N.S.
122182	Mary Elizabeth	Arichat	Arichat	Schr—Glt	1907	River Bourgeois, N.S.	34 4	12 0	4 8	11	M. W. Cook, Isaac's Harbour, N.S.
107056	Mary Ellen	Barrington Passage	Barrington Passage	Schr—Glt	1855	U.S.A.	65 5	13 0	7 4	96	Geo. Gordon, Dalhousie, N.B.
85693	Mary Ellen	Chatham, N.B.	Chatham, N.B.	Schr—Glt	1882	Bellefleur, N.B.	36 1	13 0	4 5	12	Geo. Gordon, Dalhousie, N.B.
77970	Mary Emeline	St. Andrews	St. Andrews	Schr—Glt	1880	Beaver Harbour, N.B.	36 0	13 2	5 6	18	Wm. Murphy, Grand Manan, N.B.
109384	Mary Emma	Chatham, N.B.	Chatham, N.B.	Schr—Glt	1894	Caracquet, N.B.	36 0	12 7	4 8	11	Wm. Fruing & Co., Ltd., Jersey, C.I.
117099	Mary J.	Arichat	Arichat	Schr—Glt	1906	River Bourgeois, N.S.	51 8	17 1	6 7	33	Montiel Ferguson and Allan McAskill, J.O., Fourchu, N.S.
121803	Mary J.	Yarmouth	Yarmouth	Sloop	1904	Cape Island, N.S.	31 0	10 6	6 0	40	M. Atwood, Cape Island, N.S.
130995	Mary J. Margaret	Chatham, N.B.	Chatham, N.B.	Schr—Glt	1913	Caracquet, N.B.	44 0	14 7	6 5	23	Robin, Jones & Whitman, Ltd., Halifax, N.S.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

○ Equipped with Wireless. Muni de la T.S.F.—Abbreviations.—Abréviations: J.O., Joint owners—propriétaires conjoints: M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Build—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107777	May Flower	Charlham, N.B.	Schr—Glt	1900	Shippagan, N.B.	39 0	12 8	4 8	11	Octave Benoit, Shippagan, N.B.
69125	May Flower	Halifax	Schr—Glt	1875	Harbour au Bouche, N.S.	41 0	14 0	6 8	20	Hyacinthe Chasson, Cheticamp, N.S.
100614	May Flower	Shedburn	Schr—Glt	1891	Jordan River, N.S.	32 0	12 4	5 4	11	J. E. Lloyd, Brighton, N.S.
75702	May Queen	Liverpool	Schr—Glt	1877	Liverpool, N.S.	41 2	14 3	5 5	17	Wm Peterson, Liverpool, N.S.
111896	May Queen	Weymouth	Sloop	1905	Church Point, N.S.	36 4	13 0	5 4	15	Samuel Gidney, et al., Mink Cove, N.S.
26786	Maxy No. 1	New Westminster	Barge—Chd	1910	New Westminster, B.C.	86 2	28 0	7 2	133	Joseph Mayers, New Westminster, B.C.
267757	Maxy No. 2	Charlottetown	Schr—Glt	1901	Cassamper, P.E.I.	45 1	13 4	6 2	18	Jas. R. Lamson, Canso, N.S.
111492	Maxy No. 3	Charlottetown	Schr—Glt	1901	West Point, P.E.I.	39 4	12 8	4 5	13	John McLeod, Tidnish, N.S.
103768	Maxy No. 4	Charlottetown	Schr—Glt	1900	Miscou Harbour, N.B.	33 0	11 6	5 0	10	B. J. Williston, Bay du Vin, N.B.
88431	Maxy No. 5	Charlottetown	Schr—Glt	1896	Caracquet, N.B.	36 3	12 6	5 0	13	Leandre Poulin, Caracquet, N.B.
425776	Maxy No. 6	Halifax	Schr—Glt	1884	Chozetcook, N.S.	39 6	14 8	7 0	21	John Donovan, Ingonish, N.S.
116553	Maxy No. 7	Halifax	Schr—Glt	1906	Little Sealnuh, N.S.	43 5	12 8	9 0	132	James Young, Sambro, N.S.
103177	Maxy No. 8	Halifax	Schr—Glt	1891	Lower Sealnuh, N.S.	32 3	11 6	5 6	12	Paul Desnoard, Parrsboro, N.S.
639557	Maxy No. 9	Halifax	Schr—Glt	1896	Little Harbour, N.S.	33 0	11 6	5 6	12	A. B. Hamilton, Carleton Village, N.S.
63545	Maxy No. 10	Halifax	Sloop	1896	Dartmouth, N.S.	23 0	6 4	3 6	3	L. O. Blades, Palumbo, N.S.
83315	Meda	Port Medway	Schr—Glt	1885	Vogler's Cove, N.S.	76 4	16 7	7 1	83	Dr. A. W. Cogswell, Halifax, N.S.
103189	Meda	Montreal	Schr—Glt	1896	Shelburne, N.S.	58 0	16 7	7 1	27	Edward B. Richardson, Halifax, N.S.
42777	Medaille d'Or	New Westminster	Sloop	1888	Burrard Inlet, B.C.	31 5	11 4	4 9	14	O. Thomas, M.O., Victoria, B.C.
130997	Medway Belle	Charlham, N.B.	Schr—Glt	1913	Caracquet, N.B.	41 0	14 0	6 5	24	Edward Lantaigne, Caracquet, N.B.
37428	Mesh	Halifax	Barge—Glt	1854	Broad Cove, N.S.	64 0	19 8	7 7	20	Wm. Henderson, Murray Harbour, P.E.I.
107227	Mellon	New Westminster	Barge—Chd	1876	Vancouver, B.C.	50 0	14 6	4 0	53	Anglo-British Columbia Packing Co., Ltd., Vancouver, B.C.
74550	Mellon	Yarmouth	Barge—Chd	1876	Liverpool, G.B.	258 2	40 2	23 8	1,561	Canadian Pacific Ry. Co., Montreal, Que.
100574	Melrose	Barrington Passage	Schr—Glt	1893	Little Harbour, N.S.	63 2	21 9	9 0	710	John Slacey, Glace Bay, N.S.
103556	Melrose	Montreal	Schr—Glt	1913	Kingston, Ont.	183 6	35 8	14 0	740	Montreal Transportation Co., Ltd., Montreal, Que.
122614	Menessung	Goderich	Dredge—Draque	1905	Goderich, Ont.	73 0	27 0	7 0	265	William Marlon and William L. Horton, J.O., Goderich, Ont.
138238	Memnonice	Montreal	Sloop	1883	Milwaukee, Wis., U.S.A.	167 3	33 0	14 4	576	The Berge Memnonice Co., Ltd., Montreal, Que.
100897	Mercedese	Weymouth	Schr—Glt	1917	Sorsel, Que.	95 5	27 1	9 7	459	Arthur S. Tucker, et al., Parrsboro, N.S.
138479	Meredith A. White	Parrsboro	Schr—Glt	1896	Belliveau's Cove, N.S.	163 4	35 5	12 8	443	Adam B. Mackay, M.O., Hamilton, Ont.
100779	Mernald	Charlham, N.B.	Schr—Glt	1891	Alma, N.B.	34 7	13 1	4 5	11	W. S. Loggie Co., Ltd., Charlham, N.B.
111463	Mernald	Charlham, N.B.	Schr—Glt	1900	Petit Rocher, N.B.	35 8	12 3	4 5	12	Sydney DesBrisay, Petit Rocher, N.B.
111797	Mernald	Port Hawkesbury	Schr—Glt	1907	Cheticamp, N.S.	35 6	11 4	6 4	13	Thomas Harris, Cheticamp, N.S.
97012	Mernald	St. Catharines	Scow—Chd	1885	Chippewa, Ont.	36 0	7 5	5 0	9	Robt. Sutton, Cayuga, Ont.
112164	Merry Christmas	Charlham, N.B.	Schr—Glt	1903	Little Lamack, N.B.	38 0	13 5	5 0	13	Celestin Jean, Little Lamack, N.B.
55796	Merry May	Charlottetown	Schr—Glt	1884	Mount Stewart, P.E.I.	67 7	21 8	7 2	64	Donald McRae, Charlottetown, P.E.I.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Constructé en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
90206	Minnie Mack	Charlottetown.....	Schr—Gll.....	1881	Bay St. George, Nfld.....	38 2	12 5	5 7	15	John McKelgan, Bay View, Pictou, N.S.
97059	Minnie May	Gaspé.....	Schr—Gll.....	1891	Liverpool, N.S.....	81 0	23 7	8 6	85	Ernest Simmons, Harbor Grace, Nfld.
85290	Minnie May	Magnolia Islands.....	Schr—Gll.....	1897	Sparry Bay, N.S.....	35 2	12 5	5 6	10	Charles Cormier, Amherst, Magdalen Islands, Que.
100448	Minnie May	Canso.....	Schr—Gll.....	1896	Sonora, N.S.....	33 7	12 4	5 2	12	Wm. L. Darr, Sandy Cove, N.S.
116530	Minnie May	Gaspé.....	Schr—Gll.....	1905	Lanenburg, N.S.....	49 3	16 1	7 2	29	C. L. Kennedy, Douglastown, Que.
61578	Minnie T.	Stokerville.....	Schr—Gll.....	1875	Lewis Head, N.S.....	90 8	24 3	8 8	89	C. Trenholm, Port Elgin, N.B.
107702	Minnielaba	Toronto.....	House-boat.....	1905	Port Elgin, N.B.....	42 0	23 0	3 0	133	David Davidson, Penetanguishene, Ont.
122231	Mimola	Barrington Passage.....	Sloop.....	1898	Penetanguishene, Ont.....	32 0	11 4	5 8	13	Job E. Nickerson and Thomas Penney, Clarke's Harbour, N.S.
111574	Minota	Toronto.....	Sloop.....	1899	Oakville, Ont.....	40 0	9 0	5 3	13	G. H. Atkin, Chicago, Ill., U.S.A.
100150	Mino	Canso.....	Schr—Gll.....	1899	Canso, N.S.....	12 2	13 7	6 9	18	F. C. Whitman, Canso, N.S.
107791	Mino	St. John, N.B.....	Schr—Gll.....	1899	Westville, N.B.....	63 0	20 0	5 0	49	F. A. Peters, et al., St. John, N.B.
121005	Mira L. Smith	Barrington Passage.....	Sloop.....	1905	Clarke's Harbour, N.S.....	33 0	12 1	6 2	14	August Atwood, Barrington, N.S.
126252	Miranichi No. 2	Montreal.....	Scow—Chd.....	1902	Baie Verte, N.B.....	80 0	26 0	7 5	156	Montreal General Contracting Co., Ltd., Montreal, Que.
126253	Miranichi No. 4	Montreal.....	Scow—Chd.....	1902	Baie Verte, N.B.....	81 5	26 8	7 5	157	Dominion Barging Co., Ltd., LaSalle, Que.
100873	Miranda H.	St. John, N.B.....	Schr—Gll.....	1893	Long Reach, N.B.....	73 2	27 0	6 3	79	J. E. Moore, St. John, N.B.
111700	Miriam F.	Liverpool.....	Schr—Gll.....	1902	Port Monton, N.S.....	36 4	11 6	5 7	11	Smith C. Craig, et al., Sable River, N.S.
66276	Miriam F.	St. John, N.S.....	Beam—Bkelt.....	1874	Parish St. Peter, Que.....	102 2	22 5	11 9	139	Mrs. Miriam S. Cruickshank, Sydney, N.S.
128876	Miriam H.	Westmouth.....	Schr—Gll.....	1918	Sullivanville, N.S.....	146 0	33 3	12 4	359	Acadia Shipping Co., Ltd., Meteghan River, N.S.
124300	Miscou Belle	Chartham, N.B.....	Schr—Gll.....	1912	Miscou, N.B.....	35 0	10 2	4 4	10	Joseph N. Le Bouthillier, Caraquet, N.B.
124340	Miscou Belle	Chartham, N.B.....	Schr—Gll.....	1915	Miscou, N.B.....	48 0	11 5	6 5	21	Robbin, Jones & Whitman, Halifax, N.B.
126430	Mess Swift	Vancouver.....	Scow—Chd.....	1901	Vancouver, B.C.....	34 0	19 9	2 5	68	Benjamin G. Duggan, Vancouver, B.C.
124003	Mess Swift	Chartham, N.B.....	Schr—Gll.....	1911	Caraquet, N.B.....	36 5	13 2	5 0	33	Prosper Boudbreau, Caraquet, N.B.
124004	Mess Swift	Chartham, N.B.....	Schr—Gll.....	1911	Caraquet, N.B.....	37 9	13 8	5 0	53	Jos. E. Gaskill, Grand Manan, N.B.
103226	Mizpah	Port Hawkesbury.....	Schr—Gll.....	1899	Cheticamp, N.S.....	35 8	11 7	5 0	10	George Le Brun, Cheticamp, N.S.
130069	Model A.	Richibucto.....	Schr—Gll.....	1916	St. Louis, N.B.....	32 0	11 0	5 0	11	Alexander Frigot, St. Louis, N.B.
126162	Mogel A.	Montreal.....	Dredge—Drag.....	1906	Cornwall, Ont.....	82 6	32 5	6 5	168	Lyon Cohen, Montreal, Que.
85470	Moise	Quebec.....	Barge—Chd.....	1883	Yamaska, Que.....	103 4	22 6	7 3	124	Moise Robidoux, Yamaska, Que.
109536	Mollie	St. John's.....	Schr—Gll.....	1905	Stellanes, N.S.....	82 0	21 8	8 3	85	Jno. F. Whiteley, Bonne Esperance, Que.
130327	Mollie G. Gaskill	St. Andrews.....	Schr—Gll.....	1911	Campobello, N.B.....	52 4	16 1	6 6	23	Joseph E. Gaskill, Grand Manan, N.B.
103339	Mollie Myrer	Charlottetown.....	Schr—Gll.....	1897	Souris, P.E.I.....	34 0	12 0	5 4	9	Société Foncière, Évangélin du Nord, Magdalen Islands, Que.
100674	Monna	St. Andrews.....	Schr—Gll.....	1893	West Isles, N.B.....	36 0	13 4	6 4	17	Edwin H. Richards, West Isles, N.B.
116531	Monna Lisa	Charlottetown.....	Schr—Gll.....	1904	Stellanes, N.S.....	79 0	23 0	8 2	87	Peter McNutt, M.O., Malpeque, P.E.I.
134002	Monna Lisa	Charlottetown.....	Schr—Gll.....	1914	Caraquet, N.B.....	39 5	13 8	5 6	17	Joseph E. Le Bouthillier, Caraquet, N.B.

LIST OF SAILING VESSELS

SESSIONAL PAPER No. 22

No.	Name	Home Port	Tonnage	Net Tonnage	Registered	Owner
116668	Monarch	Midland	100	36	0	The Canadian Dredge & Construction Co., Ltd., Midland, Ont.
134051	Monarchy	Lunenburg	90	23	6	Josiah Holmes, M.O., La Have, N.S.
107998	Money Bush	Canso	40	13	4	Thomas Richard, Port Felix, N.S.
121687	Monitor	Yarmouth	32	11	0	Charles Nickerson and George Thomas, Port Clyde, N.S.
107688	Mons Meg	Kingston	105	0	0	Robert Weddell, Trenton, Ont.
100361	Montagnais	Quebec	37	14	2	Jacob Mailloux, Isle aux Coudres, Que.
121665	Montclair	Quebec	32	8	4	Émilien P. Bernier, Isle aux Grues, Que.
138747	Montclair	Yarmouth	142	4	6	Yarmouth Shipbuilding Co., Ltd., Yarmouth, N.S.
100379	Montemarcy	Quebec	68	0	0	Edgward Tremblay, Ancé St. Jean, Que.
106330	Moodhauk	Montreal	143	0	0	Montreal Transportation Co., Ltd., Montreal, Que.
129443	Moosa	Quebec	37	6	0	Leon Lanolais, Les Ébouleux, Que.
83283	Moravia	Kenora	81	30	0	Ruys River Dredging Co., Ltd., Fort William, Ont.
107656	Moravia	Kingston	80	18	0	S. H. Pippin, Belleville, Ont.
90639	Moravia	Gaspé	81	17	5	Arnold Rattenbury, Charlottetown, P.E.I.
103547	Morning Glory	Charlottetown	39	0	0	Edward D. Delory, Georgetown, P.E.I.
88230	Morning Light	Halifax	36	6	0	W. E. Murphy, Ship Harbour, N.S.
74065	Morning Star	Charlottetown	41	15	6	W. G. Richards, Grand River, P.E.I.
88669	Morning Star	Windsor, N.B.	45	6	0	H. J. Stricker, Shewsbury, Ont.
117188	Morning Star	Chartham, N.B.	32	1	4	Gustave Goulet, Pokemouche, N.B.
103839	Move	Port Hawkesbury	38	6	0	Romain Noel (son of Jacques), Shippagan Island, N.B.
107538	Mowgli	Quebec	34	12	2	Matthew Maddox, Grandigue, N.S.
100631	Mudport Scow	Victoria	31	11	8	H. Caron, Chateau Rieher, Que.
90542	Muriel	Ottawa	108	6	26	E. A. Whelpley, Fairville, N.B.
107985	Muriel	Quebec	26	0	0	Haliburton Himmelman, M.O., La Have, N.S.
129113	Muriel B. Walters	Shelburne	24	9	1	George R. Marler, Montreal, Que.
130733	Muriel E. Winters	Lunenburg	26	0	0	The Minister of Public Works, Ottawa, Ont.
117051	Muriel G.	Lunenburg	40	0	0	The E. B. Eddy Company, Ltd., Hull, Que.
122007	Muriel M. Young	Canso	121	9	24	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
107298	Murray B.	Lunenburg	49	15	5	John D. Gilmour, Quebec, Que.
129296	Murray R. Munroe	Canso	41	15	4	Samuel Shaw, Halifax, N.S.
83310	Muskoka	Montreal	106	8	0	Fremant Anderson, M.O., Lunenburg, N.S.
100606	Myrosotis	Ariehat	97	6	5	Wm. Spencer, Fortuna, Nfld.
85477	Myrtle	Barrington Passage	103	8	0	Sidney Blonkhan, Canning, N.S.
111668	Myrtle	Montreal	59	0	0	Tharlo Munroe, White Haven, N.S.
107801	Myrtle	Digby	49	0	0	Alphonse A. Larocque, Montreal, Que.
116657	Myrtle Mack	Charlottetown	45	0	0	Wm. T. Eastman, et al., North Sydney, N.S.
88425	Myrtle Purdy	St. John, N.B.	46	0	0	Jane A. Richardson, et al., Port Shoreham, N.S.
116807	Myrtle S.	Yarmouth	80	5	22	G. Canningham, Halifax, N.S.
85442	Mystery	St. John, N.B.	96	4	3	The Charlottetown & Late Onareau Lumber Co., Ltd., Montreal, Que.
131168	N. A. F.	Lunenburg	26	5	8	Edward N. Herrington, St. John, N.B.
138123	N. C. P. No. 1	New Westminster	63	2	0	J. B. Butler and Wm. Forsey, Grand Bank, Nfld.
138124	N. C. P. No. 2	New Westminster	47	8	5	Benjamin Compton, Belle River, P.E.I.
134651	N. C. & P. No. 3	Victoria	77	3	26	Willard Wilbur, New Horton, N.B.
134652	N. C. & P. No. 4	Victoria	35	0	0	Alexander Shaw, Sanford, N.S.
134653	N. C. & P. No. 5	Victoria	40	0	0	C. W. Thompson, St. John, N.B.
140043	N. C. & P. No. 6	Victoria	48	0	0	John Kennedy, Canso, N.S.
126164	N. G.	Montreal	44	0	0	The Nainimo Cannery & Packers, Limited, Nainimo, B.C.
			40	0	0	The Nainimo Cannery & Packers, Limited, Nainimo, B.C.
			60	0	0	The Nainimo Cannery & Packers, Ltd., Nainimo, B.C.
			60	0	0	The Nainimo Cannery & Packers, Ltd., Nainimo, B.C.
			61	7	2	Alfred Bradard, Nainimo, B.C.
			61	7	2	Alfred Bradard, Nainimo, B.C.
			110	3	23	Iregis Joly, St. Anne de Sorel, Que.
			110	3	23	Iregis Joly, St. Anne de Sorel, Que.

1 Formerly "L. P. Churchill," 2 Formerly "Dawn" and Foreign name "Francis René," 3 Formerly "William Armstrong" and a steamer. 4 Foreign name "Pierbastah."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

©Equipped with Wireless—Muni de la T. S. F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Part of Registry. Part d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134182	N. G. & Co., No. 3	St. John, N. B.	Dredge—Dredge	1894	Perth Amboy, N. J., U.S.A.	120 6	55 3	8 6	1,088	Norton Griffiths & Co., Ltd., Montreal, Que.
75627	N. W. White	Quebec	Schr—Glt	1878	Jordan River, N. S.	79 8	22 5	8 5	90	Eastern Canada Fisheries, Ltd., Montreal, Que.
129761	N. Laflour	Montreal	Sloop	1904	Riv. St. Francois, Que.	63 3	21 7	5 2	38	Napoleon Laflour, St. Antoine de Tilley, Que.
133942	Naden	Ottawa	Schr—Glt	1913	St. Antoine, Que.	80 0	20 1	8 6	88	The Minister of the Naval Service, Ottawa, Ont.
107681	Nadine	Montreal	Barge—Chd	1899	Vancouver, B.C.	166 0	29 8	12 6	484	Montreal Transportation Co., Ltd., Montreal, Que.
134341	Nap. L.	Montreal	Scow—Chd	1911	Toronto, Ont.	110 3	28 2	7 2	174	Quinlan & Robertson, Ltd., Montreal, Que.
138797	Nap. Trudel	Quebec	Dredge—Drag.	1911	Montreal, Que.	52 2	23 2	3 8	40	Nap. Trudel, St. Irene, Que.
163629	Napoleon	Montreal	Barge—Chd	1866	St. Irene, Que.	25 2	25 1	5 9	53	Octave Laflour, St. Jean, Que.
62598	Natashtuan	Quebec	Sloop	1895	Gendilly, Que.	90 8	27 3	5 7	47	A. Lemieux, Les Escoules, Que.
126187	Nathalie	Quebec	Barge—Chd	1870	Les Perreaults, Que.	61 8	21 4	5 7	47	A. Lemieux, Les Escoules, Que.
134617	Nathalie No. 1	Yarmouth	Schr—Glt	1909	Stunderland, G. B.	198 7	27 3	15 5	620	William Q. Stobo, Quebec, Que.
126989	Nebuch No. 1	Sault Ste. Marie	Schr—Chd	1915	East Neshish, Ont.	30 0	16 0	2 5	10	Geo. W. Goodwin, Sault Ste. Marie, Ont.
107607	Nehc	Montreal	Dredge—Dredge	1908	St. John, N. S.	79 3	25 8	5 7	146	Lyon Cohen, Montreal, Que.
112288	Nellie D.	Weymouth	Schr—Glt	1901	Morcel, Que.	68 0	19 0	7 7	32	John F. Salter, Parrsboro, N.S.
85665	Nellie Dixon	Halifax	Schr—Glt	1903	Maivehate, N. S.	53 8	19 0	7 7	59	John F. Salter, Parrsboro, N.S.
133789	Nellie Dixon	St. Andrews	Schr—Glt	1881	Lanville, N. S.	65 0	23 0	9 1	72	Andrew Mason, Pope's Harbour, N.S.
71174	Nellie Hunter	Kingston	Schr—Glt	1874	Boston, Mass., U.S.A.	101 9	25 0	9 7	172	The Beaver Harbour Trading Co., Beaver Harbour, N.B.
126663	Nellie J. King	Shelburne	Schr—Glt	1910	Alsteadale, N. S.	36 2	12 7	5 7	12	John Romkey, Nectum Trench, N.S.
103800	Nellie L.	Shelburne	Schr—Glt	1900	Alsteadale, N. S.	57 3	17 8	7 0	35	John Romkey, Nectum Trench, N.S.
107920	Nellie L.	St. Andrews	Schr—Glt	1910	Shelburne, N. S.	90 0	23 3	9 2	99	The Beaver Harbour Trading Co., Beaver Harbour, N.B.
92685	Nellie Reid	Pictou, N. S.	Sloop	1901	West Isles, N. B.	36 4	14 0	6 6	17	Frederick W. Sutherland, et al., Lockeport, N.S.
92348	Nellie Waiters	St. John, N. B.	Schr—Glt	1887	Brufé, N. S.	80 3	21 6	8 9	79	Wm. L. Murray, M. O., Richmond, N.S.
				1887	Canning, N. B.	79 5	26 5	7 0	96	Charles Reid, Brufé, N.S.
				1896	St. Thomas de Pierreville, Que.	108 9	23 0	7 3	126	B. B. Bishop, Hopewell Cape, N.B.
103539	Nelson	Montreal	Sloop	1908	Notre Dame de Pierreville, Que.	108 9	23 0	7 3	126	Emile Charland, Montreal, Que.
117132	Nema D.	Barrington Passage	Sloop	1904	Port La Tour, N.S.	33 0	11 0	6 0	10	J. C. Brannen, M.O., Port La Tour, N.S.
85396	Nerpane	Magdalen Islands	Schr—Glt	1869	Amherst, M.J., Que.	54 6	16 9	7 4	34	Alexander G. McLeod, Point Ste. Anne, N.S.
129690	Nerpe Harvey No. 1	Montreal	Schr—Glt	1909	Isle aux Coudres, Que.	61 6	20 0	7 4	50	Honore Choinard, Grand Metis, Que.
80843	Nette B. II	Halifax	Schr—Glt	1880	Clark Harbour, N.S.	42 5	15 5	6 3	23	Albert E. Edwards, M.O., Dartmouth, N.S.
102232	Nettie B.	Digby	Schr—Glt	1903	Clark's Harbour, N.S.	32 5	12 0	6 0	12	Wm. McDormand, et al., Westport, N.S.
69145	Neva	Halifax	Schr—Glt	1875	Pomquet, N.S.	37 5	14 0	4 5	107	W. W. Clarke, M.O., Bear River, N.S.
103539	Neva	Halifax	Schr—Glt	1882	Pomquet, N.S.	37 5	14 0	4 5	107	W. W. Clarke, M.O., Bear River, N.S.
134003	New Brunswick No. 1	St. John, N. B.	Dredge—Dredge	1912	Upper Cagetown, N. B.	75 3	30 1	6 8	244	The New Brunswick Construction Co., Ltd., Welsford, N.B.

No.	Name	Port of Origin	Destination	Agent	Company
130639	New Brunswick No. 2	St. John, N. B.	Dredge-Drague		
45703	New Dominion	Prescott	Schr—Glt		
112006	New Ontario	Port Arthur	Pile-driver		
134544	New Welland	Ottawa	Dredge-Drague		
94833	News Boy	Port Medway	Schr—Glt		
90861	Nicanor	Lunenburg	Barge—Chd		
130613	Nidge No. 1	Victoria	Barge—Chd		
130689	Nidge No. 2	Vancouver	Barge—Chd		
103854	Nifti	Halifax	Sloop		
89882	Nile	Dorchester	Pgm—Bkgt.		
107322	Nim.	Halifax	Sloop		
80841	Nina	Halifax	Sloop		
94830	Nina Blanche	St. John, N. B.	Schr—Glt		
121726	IX	Vancouver	Scow—Chd		
103837	Ninety-six	Winnipeg	Barge—Chd		
107628	Nith	New Westminster	Barge—Chd		
112090	Noble H.	Lunenburg	Schr—Glt		
134321	Noella	Chatham, N. B.	Schr—Glt		
107588	Noey	Lindsay	Barge—Chd		
103861	Nomad	Halifax	Cutter		
126744	Nomobiki	Vancouver	Schr—Glt		
110660	Nora	Yarmouth	Sloop		
126475	Nora Sybil	Halifax	Schr—Glt		
71097	Norah	Bellefleur	Sloop		
134342	Norah L.	Montreal	Scow—Chd		
100387	Norma	Sydney, N. S.	Schr—Glt		
138256	Norma L. Conrad	Lunenburg	Schr—Glt		
134044	Norma P. Coolen	Lunenburg	Schr—Glt		
112081	Norman	Kenora	Barge—Chd		
133943	Norman F. Wilson	Ottawa	Barge—Chd		
103284	Normandy	Chatham, N. B.	Schr—Glt		
126621	North Bend	Vancouver	Schr—Glt		
83378	North West	Toronto	Schr—Glt		
72583	Norway	Quebec	Schr—Glt		
103879	Noire Dame de	Montreal	Sloop		
74365	Nova Stella	Pierreville	Schr—Glt		
83842	Nuaga	Cuysborough	Schr—Glt		
126929	Nuaga Gris	Quebec	Schr—Glt		
107389	No. C.	Ottawa	Barge—Chd		
107388	No. D.	Ottawa	Barge—Chd		
122425	No. I.	Halifax	Dredge-Drague		
107290	No. L.	Halifax	Barge—Chd		
107615	No. 1.	Ottawa	Barge—Chd		
103036	No. 1.	Ottawa	Scow—Chd		
103637	No. 1.	Ottawa	Barge—Chd		
103845	No. 1.	Ottawa	Barge—Chd		
100520	No. 1.	Parraboro	Schr—Glt		
121931	No. 2.	Halifax	Barge—Chd		
103037	No. 2.	Ottawa	Barge—Chd		
103638	No. 2.	Ottawa	Barge—Chd		
121788	No. 2.	Ottawa	Scow—Chd		
103846	No. 2.	Ottawa	Barge—Chd		
100521	No. 2.	Parraboro	Schr—Glt		
103038	No. 3.	Ottawa	Scow—Chd		
56	The New Brunswick Construction Co., Ltd., Welsford, N. B.				
197	Miss Katie McGrovy, Prescott, Ont.				
17	James Whalen, Port Arthur, Ont.				
207	La Compagnie Generale d'Entreprises Publiques, Lévis, Que.				
16	R. B. H. Robertson, Bridgewater, N. S.				
393	Dominion Coal Co., Ltd., Sydney, N. S.				
46	Vancouver Island Power Co., Ltd., Victoria, B. C.				
46	The Canadian Fishing Co., Ltd., Vancouver, B. C.				
2	John M. Geldert, Halifax, N. S.				
164	Judson Edgert, Brooklyn, N. Y., U.S.A.				
3	Edward C. Bethune, Halifax, N. S.				
13	Jos. E. Parker, Owl's Head, N. S.				
31	Abner Neves, Apple River, N. S.				
104	The Imperial Ammunitions Board, Ottawa, Ont.				
26	Dominion Fish Co., Ltd., Winnipeg, Man.				
23	The Anglo-British Columbia Packing Co., Ltd., Vancouver, B. C.				
95	Samuel R. Giffin, Goldboro, N. S.				
18	Andre D. Chaisson, Lameck, N. B.				
68	Robert Kennedy, Lindsay, Ont.				
5	C. L. Newman, Halifax, N. S.				
25	Masugus Minakata, Vancouver, B. C.				
11	Stephen A. Doucette, M. O., Cape St. Mary's, N. S.				
6	Memo Stevens, Owls Head, N. S.				
30	R. C. Smith, Port Hope, Ont.				
188	Quinlan & Robertson, Ltd., Montreal, Que.				
31	J. McLeod, St. Ann's, N. S.				
99	Joshua E. Buckman, M. O., La Havo, N. S.				
95	John McLean & Sons, Ltd., Mahone Bay, N. S.				
47	The Armstrong Trading Co., Ltd., Portage-la-Prairie, Man.				
179	The Ottawa Transportation Co., Ltd., Ottawa, Ont.				
11	P. Rive, Caraquet, N. B.				
392	Whalen Pulp & Paper Mills, Ltd., Vancouver, B. C.				
57	Edmund Goldring and Francis Goldring, Whitby, Ont.				
382	The Kaine & Bird Transportation Co., Ltd., Quebec, Que.				
139	Atelez Descheneaux, Notre Dame de Pierreville, Que.				
58	L. N. Porter, Desouise, N. S.				
79	Charles O. Maguire, Guysborough, N. S.				
38	Elzear Hovington, M. O., Bon Desir, Que.				
55	John L. Wood, Montreal, Que.				
24	John L. Wood, Montreal, Que.				
153	The Halifax Dredging Co., Ltd., Halifax, N. S.				
57	L. E. Dufresne, et al., J. O., Three Rivers, Que.				
14	H. F. McLachlin and Claude McLachlin, Ammiror, Ont.				
35	Canadian Pacific Railway Co., Montreal, Que.				
31	Peter Whelen, Ottawa, Ont.				
74	W. C. Edwards & Co., Ltd., Rockland, Ont.				
439	Cumberland Railway & Coal Co., Montreal, Que.				
164	The Halifax Dredging Co., Ltd., Halifax, N. S.				
35	Canadian Pacific Railway Co., Montreal, Que.				
24	Peter Whelen, Ottawa, Ont.				
40	L. E. Dufresne, et al., J. O., Three Rivers, Que.				
74	W. C. Edwards & Co., Ltd., Rockland, Ont.				
433*	Cumberland Railway & Coal Co., Montreal, Que.				
25	Canadian Pacific Railway Co., Montreal, Que.				

*Formerly "Polino", and a steamer.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—*Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire général.*

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire général, et adresse.
106523	No. 3.	Parsboro'	Schr—Glt.	1893	Gartner's Creek, N.B.	146 7	35 2	10 0	431	Cumberland Railway & Coal Co., Montreal, Que.
103039	No. 4.	Ottawa.	Scow—Chd.	1883	Madrawa, Ont.	70	18 0	4 0	37	Canadian Pacific Railway Co., Montreal, Que.
106526	No. 4.	Parsboro'	Schr—Glt.	1893	St. Martin's, N.B.	146 8	35 3	10 0	439	Cumberland Railway & Coal Co., Montreal, Que.
122227	No. 5.	Montreal.	Dredge—Drague	1901	Toronto, Ont.	90 2	30 0	7 2	271	The Ramphal Macdonald Co., Ltd., Toronto, Ont.
107587	No. 5.	Ottawa.	Barge—Chd.	1898	Hull, Que.	34 0	16 0	2 9	7	Hugh F. Manning, Cornwall, Ont.
106529	No. 5.	Parsboro'	Schr—Glt.	1898	Black River, N.B.	149 0	35 1	10 5	413	Cumberland Railway & Coal Co., Montreal, Que.
122228	No. 6.	Montreal.	Dredge—Drague	1902	Coteau du Lac, Que.	71 1	30 1	4 9	171	Cashard Desjardis, Montreal, Que.
112327	No. 6.	Parsboro'	Schr—Glt.	1903	Parsboro', N.S.	170 0	33 4	12 3	536	Cumberland Railway & Coal Co., Montreal, Que.
116524	No. 7.	Parsboro'	Schr—Glt.	1903	Parsboro', N.S.	170 0	33 4	12 3	536	Cumberland Railway & Coal Co., Montreal, Que.
107585	No. 31.	Ottawa.	Scow—Chd.	1898	Hull, Que.	40 9	19 0	3 6	17	R. G. Lavender, Ottawa, Ont.
107584	No. 33.	Ottawa.	Scow—Chd.	1898	Hull, Que.	40 9	19 0	3 6	17	R. G. Lavender, Ottawa, Ont.
117171	No. 41.	Windsor, Ont.	Scow—Chd.	1891	Saginaw, Mich., U.S.A.	112 5	29 3	8 6	345	A. F. Bowman, et al., J.O., Southhampton, Ont.
117172	No. 42.	Windsor, Ont.	Scow—Chd.	1891	Saginaw, Mich., U.S.A.	112 5	29 3	8 6	345	A. F. Bowman, et al., J.O., Southhampton, Ont.
126673	Number Forty Five	Port Arthur.	Scow—Chd.	1911	Port Arthur, Ont.	172 0	37 3	13 0	739	Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
126674	Number Forty Six	Port Arthur.	Scow—Chd.	1911	Port Arthur, Ont.	172 0	37 3	13 0	739	Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
107563	No. 1 Calumet.	Ottawa.	Barge—Chd.	1898	Arthuer, Que.	51 5	12 3	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
107261	No. 2 Calumet.	Ottawa.	Barge—Chd.	1898	Arthuer, Que.	51 5	12 3	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
107618	No. 5 Deep River.	Ottawa.	Barge—Chd.	1899	Pembroke, Ont.	52 3	13 2	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
107619	No. 6 Deep River.	Ottawa.	Barge—Chd.	1899	Pembroke, Ont.	52 3	13 2	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
107261	No. 1 Quyon.	Ottawa.	Barge—Chd.	1898	Quyon, Que.	51 5	12 3	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
107562	No. 2 Quyon.	Ottawa.	Barge—Chd.	1898	Quyon, Que.	51 5	12 3	3 0	32	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
115392	Nyanza.	Charlottetown.	Schr—Glt.	1902	Bellefleur, N.H.	48 0	14 4	5 0	26	Alex. McKenzie, Murray Harbour, P.E.I.
122136	Nyctia.	Yarmouth.	Schr—Glt.	1905	Bellevue, N.S.	34 0	11 0	6 0	10	Edgar Adams, Slang Harbour, N.S.
59567	Nymph.	St. Andrews.	Schr—Glt.	1905	Grand Maman, N.B.	30 0	12 5	4 8	11	Robert Spear, Eastport, Me., U.S.A.
126924	O. C.	Quebec.	Schr—Glt.	1907	Chateau Richer, Que.	70 4	22 4	6 8	54	Gedcom Lajoie, Chicoutimi, Que.
141016	O. F. No. 1.	Vancouver	Scow—Chd.	1911	Ocean Falls, B.C.	89 3	28 8	7 6	137	Pacific Mills Limited, Vancouver, B.C.
141017	O. F. No. 2.	Vancouver	Scow—Chd.	1911	Ocean Falls, B.C.	90 3	30 1	7 6	178	Pacific Mills Limited, Vancouver, B.C.
96770	O. L. B.	Charlottetown.	Schr—Glt.	1893	Charlottetown, N.S.	37 1	11 7	5 0	12	James McNeill, Maduque, P.E.I.
54139	Ocean Belle.	Halifax.	Schr—Glt.	1866	Charlottetown, N.S.	41 8	11 7	6 1	20	E. McCallum, Bryon Island, N.L.I., Que.
121689	Ocean Belle.	St. John's.	Sloop.	1904	Cape Island, N.S.	33 0	11 0	6 0	17	Frank T. Hunter, St. John's, N.S.
85632	Ocean Belle.	Victoria.	Schr—Glt.	1883	Lumenburg, N.S.	47 4	22 5	6 2	87	Albert Berquist, Victoria, B.C.
83998	Ocean Child.	Halifax.	Schr—Glt.	1879	Charlottetown, N.S.	41 8	15 5	5 2	55	Geo. J. and W. J. R. Horne, Eastern Passage, N.S.
103155	Ocean Rover.	Victoria.	Schr—Glt.	1896	Cordova Bay, B.C.	67 7	19 9	9 2	19	Sidney Inlet Fish Co., Llanitod, Victoria, B.C.
122101	Ocean Spray.	Yarmouth.	Schr—Glt.	1906	Cape Island, N.S.	30 0	11 5	6 0	11	Charles E. Atkinson, Cape Island, N.S.

SESSIONAL PAPER No. 22

103568	Octavia	Montreal	Barge—Chd	1896	Notre Dame de Pierre ville, Que	108 0	22 8	8 8	108
133776	Oil Transport No. 1	Victoria	Barge—Chd	1913	Victoria, B.C.	90 0	32 0	8 4	201
133883	Old Glory	Amherstburg	Dredge—Drauge	1891	Raffado, N.Y., U.S.A.	81 0	31 5	5 5	199
94837	Oiga	St. Andrews	Schr—Glt	1889	West Isles, N.B.	31 2	11 5	6 0	11
122431	Oiga A.	Yarmouth	Sloop	1906	Shedburn, N.S.	30 0	10 6	6 0	10
133844	Oiga B. Keamey	Halifax	Sloop—Glt	1916	Shed Harbour, N.S.	63 5	19 1	8 9	50
129655	Oiga C.	Charlham, N.B.	Schr—Glt	1907	Shippigan Island, N.B.	37 4	13 0	5 6	14
129448	Olive A.	St. John's, N.S.	Schr—Glt	1899	Stearies, N.S.	42 0	14 2	7 0	19
129454	Olive B.	St. Andrews	Sloop	1906	Sodley's Cove, N.B.	41 3	16 0	7 0	26
61630	Olive J.	Halifax	Schr—Glt	1881	Stoddley's Harbour, N.S.	62 3	20 4	8 4	57
133812	Olive Long	Halifax	Schr—Glt	1916	Point Sapin, N.B.	62 3	20 4	8 4	57
134181	Olive Murray	St. John, N.B.	Sloop	1904	Eastport, Me., U.S.A.	37 6	11 4	6 5	12
112378	Olive S.	Charlottetown	Schr—Glt	1902	New Harbour, N.S.	44 0	14 6	6 0	26
133966	Oliver F. Kilham	Digby	Schr—Glt	1908	New Harbour, N.S.	81 0	21 0	9 6	51
42484	Oliver Mowat	Downsville	Schr—Glt	1873	Beverly, Mass., U.S.A.	116 0	23 8	9 8	170
85428	Olvin Abbey	St. Catharines	Stow—Chd	1884	Port Robinson, Ont.	100 0	23 0	5 0	88
134593	Olla G.	Canso	Schr—Glt	1917	New Harbour, N.S.	37 3	11 5	6 0	13
74398	Olympia	Toronto	Schr—Glt	1879	Kramit, Ont.	57 0	15 5	3 6	23
107196	Omega	Winnipeg	Barge—Chd	1907	Keokuk, Ont.	40 0	10 2	3 9	10
61916	Only Son	Liverpool	Schr—Glt	1871	East Port Medway, N.S.	39 0	14 5	4 0	16
91752	Only Sun	Windsor, N.S.	Schr—Glt	1889	Isle Haute, N.S.	33 6	12 4	5 0	13
77775	Ontario	Godolph	Schr—Glt	1867	Godolph, Ont.	33 6	12 4	5 0	13
72190	Opal	Windsor, N.S.	Barge—Chd	1876	Godolph, N.S.	100 7	23 0	9 5	150
129652	Opal	Charlham, N.B.	Schr—Glt	1904	Shippigan Island, N.B.	100 7	23 0	9 5	150
134595	Opasos	Vaspethac	Schr—Glt	1916	Grand River, Que.	42 3	12 4	4 4	10
121658	Ora Nickerson	Yarmouth	Sloop	1904	Tasket Wedge, N.S.	35 0	11 5	3 9	12
100245	Ora	Halifax	Schr—Glt	1894	Saintro, N.S.	41 2	13 6	5 9	18
16590	Ora	Lanenburg	Schr—Glt	1901	Port Medway, N.S.	44 4	13 6	7 0	10
103199	Ora	Liverpool	Schr—Glt	1891	Port Medway, N.S.	32 0	12 9	5 3	10
121290	Oressa Belle	Lanenburg	Schr—Glt	1893	Malone Bay, N.S.	80 6	22 0	9 5	95
63176	Orient	Stelburne	Schr—Glt	1890	Vigilant Cove, N.S.	30 8	11 1	5 2	10
83422	Orocego	Digby	Schr—Glt	1882	Gilbert Cove, N.S.	75 6	23 0	9 4	99
103904	Orolo	Charlham, N.B.	Schr—Glt	1880	Shippigan, N.B.	34 0	12 5	4 8	11
80970	Orion	Halifax	Schr—Glt	1880	Shippigan, N.B.	34 0	12 5	4 8	11
12311	Oroniyatekha	St. Andrews	Schr—Glt	1902	Galbrause, N.S.	38 2	15 9	5 2	21
40389	Oscar F.	Barrington Passage	Schr—Glt	1832	Back Bay, N.B.	43 5	13 3	6 7	18
130910	Ostrif	Montreal	Yawl—Yole	1912	Bear Tunn, N.S.	43 5	13 3	6 7	18
88249	Ostrus	Deseronto	Barge—Chd	1892	Dorval, Que.	29 6	10 3	4 8	7
112855	Osprey	Digby	Schr—Glt	1892	Deseronto, Ont.	109 5	26 5	6 1	106
164905	Osprey	Charlham, N.B.	Schr—Glt	1899	Port Maitland, N.S.	32 6	10 6	6 0	16
136583	Oswald	Halifax	Schr—Glt	1903	Shippigan, N.B.	33 0	12 0	4 4	10
63395	Oswego	Deseronto	Schr—Glt	1911	Tanook, N.B.	45 0	13 6	6 8	20
103286	Otas Miller	Deseronto	Barge—Chd	1903	Swego, N.Y., U.S.A.	138 2	37 1	10 5	130
111882	Otamabee	Peterboro	Barge—Glt	1896	Waterborough, N.B.	79 6	27 1	7 6	98
107736	Ottawa	Montreal	Barge—Chd	1904	Waterborough, Ont.	76 0	17 6	6 6	55
63375	Ottawa	Winnipeg	Dredge—Drauge	1889	Corwall, Ont.	76 0	17 6	6 6	55
94951	Oto	Victoria	Schr—Glt	1891	Port Alexander, Man.	26 4	11 2	3 2	10
110679	Ouda	St. Andrews	Schr—Glt	1886	Malone Bay, N.S.	31 3	11 0	3 2	10
116296	Outlook	Charlottetown	Schr—Glt	1899	Malone Bay, N.S.	37 7	13 0	5 2	17
133917	Overser	Charlham, N.B.	Schr—Glt	1903	Souris, P.E.I.	44 0	13 8	5 2	24
134502	Owen A. Munro	Canso	Schr—Glt	1915	Whitehaven, N.S.	42 0	11 1	6 3	12
134411	P. No. 2	New Westminster	Barge—Chd	1911	New Westminster, B.C.	90 0	30 0	7 0	166
111815	P. No. 3	Vancouver	Stow—Chd	1899	New Westminster, B.C.	40 8	18 0	4 0	29

*Foreign name "Sadie."

ALPHABETICAL List of Sailing Vessels on Registry Books in Canada December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T. S. F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130656	P. A. L.	Chatham, N.B.	Scho—Gh	1911	Caranquet, N.B.	38 0	14 0	6 0	17	Navier A. Lamoignon, Caranquet, N.B.
129429	P. A. No. 1	Vancouver	Scow—Chd	1909	New Westminster, B.C.	51 0	22 0	6 0	40	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
130306	P. A. No. 3	Vancouver	Scow—Chd	1910	New Westminster, B.C.	62 6	26 1	5 5	82	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
130307	P. A. No. 4	Vancouver	Scow—Chd	1910	North Vancouver, B.C.	73 4	28 2	6 7	125	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
141010	P. A. No. 1	Vancouver	Scow—Chd	1911	Vancouver, B.C.	50 0	18 0	5 6	40	Peter B. Anderson, Vancouver, B.C.
129322	P. B. & Co., No. 1	Quebec	Barge—Chd	1908	St. Thomas, Que.	130 0	30 0	7 3	245	Price Brothers & Co., Ltd., Quebec, Que.
129323	P. B. & Co., No. 2	Quebec	Barge—Chd	1908	St. Thomas, Que.	130 0	30 0	7 3	245	Price Brothers & Co., Ltd., Quebec, Que.
130491	P. D. C.	New Westminster	Dredge—Drague	1909	New Westminster, B.C.	67 0	23 5	5 3	119	Joseph Wm. Pike, New Westminster, B.C.
130863	P. D. C.	New Westminster	Dredge—Drague	1908	New Westminster, B.C.	66 0	17 5	5 3	338	Joseph Wm. Pike, New Westminster, B.C.
130954	P. D. C.	New Westminster	Dredge—Drague	1909	New Westminster, B.C.	85 0	32 5	6 5	149	Joseph Wm. Pike, New Westminster, B.C.
130982	P. D. C.	New Westminster	Dredge—Drague	1909	New Westminster, B.C.	71 3	19 7	6 0	208	Joseph Wm. Pike, New Westminster, B.C.
134103	P. D. C., No. 1	Vancouver	Scow—Chd	1911	Portland, Me., U.S.A.	73 5	25 6	5 4	515	Pacific Construction Co., Ltd., Vancouver, B.C.
138170	P. D. C., No. 4	Vancouver	Dredge—Drague	1901	Seattle, Wash., U.S.A.	172 0	39 0	10 0	652	Pacific Great Eastern Railway Co., Ltd., Vancouver, B.C.
140959	P. E. S., No. 1	Montreal	Barge—Chd	1905	Montreal, Que.	98 5	30 6	6 6	174	C. W. Slarr & Co., Ltd., Toronto, Ont.
129497	P. E. S., No. 2	Montreal	Scow—Chd	1905	Montreal, Que.	88 5	26 5	6 6	131	The Randolph Macdonald Co., Ltd., Toronto, Ont.
129498	P. E. S., No. 2	Montreal	Scow—Chd	1905	Montreal, Que.	88 5	26 5	6 6	131	The Randolph Macdonald Co., Ltd., Toronto, Ont.
138721	P. M.	Quebec	Scow—Chd	1909	Eslet, Que.	43 7	15 9	4 8	17	Joséph Lapierre, Montmagny, Que.
138722	P. R. & G., No. 1	Victoria	Barge—Chd	1912	Vancouver, B.C.	100 0	32 2	8 0	210	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
138723	P. R. & G., No. VI	Victoria	Barge—Chd	1910	Vancouver, B.C.	90 0	30 0	6 9	147	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
138724	P. R. & G., No. VII	Victoria	Barge—Chd	1912	Vancouver, B.C.	90 0	29 8	7 4	160	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
138725	P. R. & G., No. VIII	Victoria	Barge—Chd	1912	Vancouver, B.C.	90 0	29 8	7 4	160	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
130662	P. R. & G., No. IX	Vancouver	Barge—Chd	1911	Victoria, B.C.	88 8	30 1	8 0	174	Producers Rock & Gravel Co., Ltd., Victoria, B.C.
134419	P. S. B.	Vancouver	Scow—Chd	1910	Vancouver, B.C.	76 4	30 0	7 3	147	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
131157	P. S. B.	Vancouver	Scow—Chd	1909	Vancouver, B.C.	89 0	32 0	7 4	202	Mrs. Wm. D. Grant, Vancouver, B.C.
129637	P. S. B., No. 1	Vancouver	Scow—Chd	1909	Vancouver, B.C.	74 0	30 2	7 2	154	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
132705	P. S. B., No. 2	Vancouver	Scow—Chd	1910	North Vancouver, B.C.	81 5	29 8	7 7	180	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
133706	P. S. B., No. 3	Vancouver	Scow—Chd	1910	Vancouver, B.C.	82 5	30 1	7 7	177	The Progressive Steamboat Co., Ltd., Vancouver, B.C.
131038	P. S. B. & D. Co., Dredge, No. 1	Vancouver	Dredge—Drague	1910	Seattle, Wash., U.S.A.	110 0	31 2	8 7	484	Pacific Construction Co., Ltd., Vancouver, B.C.
133862	P. S. B. & D. Co., No. 15	Vancouver	Scow—Chd	1913	Seattle, Wash., U.S.A.	46 0	19 5	5 0	35	West Coast Bridge & Dredging Co., Ltd., Vancouver, B.C.
112257	P. S. Co., I	Vancouver	Scow—Chd	1903	Vancouver, B.C.	45 0	15 6	3 8	22	Packers' Steamship Co., Ltd., Vancouver, B.C.
112258	P. S. Co., II	Vancouver	Scow—Chd	1903	Vancouver, B.C.	46 3	15 6	3 8	22	Packers' Steamship Co., Ltd., Vancouver, B.C.
112259	P. S. Co., III	Vancouver	Scow—Chd	1903	Vancouver, B.C.	52 5	17 2	4 1	47	Packers' Steamship Co., Ltd., Vancouver, B.C.
116421	P. S. Co., IV	Vancouver	Scow—Chd	1903	Vancouver, B.C.	49 7	16 2	4 2	42	Packers' Steamship Co., Ltd., Vancouver, B.C.
116422	P. S. Co., V	Vancouver	Scow—Chd	1903	Vancouver, B.C.	51 0	18 2	4 2	43	Packers' Steamship Co., Ltd., Vancouver, B.C.

No.	Name	Owner	Home Port	Tonnage	Net Tonnage	Length	Breadth	Depth	Speed	Remarks
116425	P. S. Co. VI.	Vancouver	Vancouver, B.C.	42 0	16 1	4 2				22 Packers' Steamship Co., Ltd., Vancouver, B.C.
116426	P. S. Co. VII.	Vancouver	Vancouver, B.C.	48 0	16 1	4 1				25 Packers' Steamship Co., Ltd., Vancouver, B.C.
116427	P. S. Co. VIII.	Vancouver	Vancouver, B.C.	42 1	16 1	4 1				20 Packers' Steamship Co., Ltd., Vancouver, B.C.
116428	P. S. Co. IX.	Vancouver	Vancouver, B.C.	55 0	18 1	4 1				32 Packers' Steamship Co., Ltd., Vancouver, B.C.
116429	P. S. Co. X.	Vancouver	New Westminster, B.C.	50 0	16 0	4 0				29 Packers' Steamship Co., Ltd., Vancouver, B.C.
116430	P. S. Co. XI.	Vancouver	New Westminster, B.C.	50 0	16 0	4 0				29 Packers' Steamship Co., Ltd., Vancouver, B.C.
116431	P. S. Co. XII.	Vancouver	New Westminster, B.C.	50 0	16 0	4 0				29 Packers' Steamship Co., Ltd., Vancouver, B.C.
116432	P. S. Co. XIII.	Vancouver	New Westminster, B.C.	50 0	16 0	4 0				29 Packers' Steamship Co., Ltd., Vancouver, B.C.
116433	P. S. Co. XIV.	Vancouver	New Westminster, B.C.	50 0	16 0	4 0				29 Packers' Steamship Co., Ltd., Vancouver, B.C.
116434	P. S. Co. XV.	Vancouver	New Westminster, B.C.	56 0	17 0	4 1				35 Packers' Steamship Co., Ltd., Vancouver, B.C.
116435	P. S. Co. XVI.	Vancouver	New Westminster, B.C.	60 0	18 0	4 2				35 Packers' Steamship Co., Ltd., Vancouver, B.C.
116436	P. S. Co. XVII.	Vancouver	New Westminster, B.C.	60 0	18 0	4 2				35 Packers' Steamship Co., Ltd., Vancouver, B.C.
116437	P. S. Co. XVIII.	Vancouver	New Westminster, B.C.	75 2	28 0	6 0				12 Thomas R. McLav, Nainaru, B.C.
116461	P. S. Co. XIX.	Vancouver	Vancouver, B.C.	64 0	18 0	4 2				101 Packers' Steamship Co., Ltd., Vancouver, B.C.
130919	P. S. Co. XX.	Vancouver	North Vancouver, B.C.	64 0	23 6	3 0				79 Packers' Steamship Co., Ltd., Vancouver, B.C.
133870	P. S. Co. XXI.	Vancouver	New Westminster, B.C.	53 5	18 2	4 0				35 Packers' Steamship Co., Ltd., Vancouver, B.C.
133871	P. S. Co. XXII.	Vancouver	New Westminster, B.C.	53 5	18 2	4 0				35 Packers' Steamship Co., Ltd., Vancouver, B.C.
134431	P. S. Co. XXIV.	Vancouver	North Vancouver, B.C.	67 0	24 0	5 5				136 Packers' Steamship Co., Ltd., Vancouver, B.C.
100904	P. T. S.	Charlton, N.B.	Caruquet, N.B.	34 0	12 3	4 0				11 Jos. N. LeBouthillier, Caruquet, N.B.
134187	P. W. D. No. 5.	St. John, N.B.	Toronto, Ont.	131 4	44 2	8 4				737 The Minister of Public Works, Ottawa, Ont.
130546	P. W. D. No. 9.	Charlottetown.	Toronto, Ont.	90 0	36 0	8 0				368 The Minister of Public Works, Ottawa, Ont.
130547	P. W. D. No. 10.	Charlottetown.	P. E. I.	81 0	24 0	7 2				214 The Minister of Public Works, Ottawa, Ont.
130548	P. W. D. No. 11.	Charlottetown.	Pugetwash, N.S.	61 7	24 9	6 2				192 The Minister of Public Works, Ottawa, Ont.
133750	P. W. D. No. 12.	St. John, N.B.	St. John, N.B.	110 0	32 0	8 1				405 The Minister of Public Works, Ottawa, Ont.
133751	P. W. D. No. 13.	Ottawa.	Ottawa, Ont.	90 0	32 0	8 1				434 The Minister of Public Works, Ottawa, Ont.
134531	P. W. D. No. 51.	Ottawa.	St. Joseph de Lévis, Que.	106 9	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134532	P. W. D. No. 52.	Ottawa.	St. Joseph de Lévis, Que.	106 0	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134533	P. W. D. No. 53.	Ottawa.	St. Joseph de Lévis, Que.	106 0	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134534	P. W. D. No. 54.	Ottawa.	St. Joseph de Lévis, Que.	106 0	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134535	P. W. D. No. 55.	Ottawa.	St. Joseph de Lévis, Que.	106 0	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134536	P. W. D. No. 56.	Ottawa.	St. Joseph de Lévis, Que.	106 0	30 0	9 0				260 The Minister of Public Works, Ottawa, Ont.
134537	P. W. D. No. 102.	Ottawa.	Buckingham, Que.	60 6	22 1	3 6				104 The Minister of Public Works, Ottawa, Ont.
134538	P. W. D. No. 103.	Ottawa.	Ottawa, Ont.	60 6	22 1	3 6				104 The Minister of Public Works, Ottawa, Ont.
138078	P. W. D. No. 106.	Ottawa.	Duluth, Minn., U.S.A.	51 8	24 1	1 9				110 The Minister of Public Works, Ottawa, Ont.
131123	P. W. D. No. 109.	Ottawa.	Kingston, Ont.	123 6	43 4	8 7				796 The Minister of Public Works, Ottawa, Ont.
131128	P. W. D. No. 110.	Ottawa.	Sturgeon Falls, Ont.	109 4	40 6	8 4				458 The Minister of Public Works, Ottawa, Ont.
138066	P. W. D. No. 112.	Ottawa.	Sturgeon Falls, Ont.	66 6	24 9	3 2				161 The Minister of Public Works, Ottawa, Ont.
132841	P. W. D. No. 114.	Ottawa.	Lockport, N.Y., U.S.A.	72 7	25 0	6 5				103 The Minister of Public Works, Ottawa, Ont.
134542	P. W. D. No. 115.	Ottawa.	Ottawa, Ont.	95 3	35 6	9 7				114 The Minister of Public Works, Ottawa, Ont.
131129	P. W. D. No. 116.	Ottawa.	Sorel, Que.	91 0	34 3	8 2				376 The Minister of Public Works, Ottawa, Ont.
112186	P. W. D. No. 117.	Toronto.	Toronto, Ont.	107 7	36 8	9 3				579 The Minister of Public Works, Ottawa, Ont.
138077	P. W. D. No. 118.	Ottawa.	Toronto, Ont.	60 0	25 6	5 6				138 The Minister of Public Works, Ottawa, Ont.
138077	P. W. D. No. 119.	Ottawa.	St. Johns, Que.	70 1	22 2	1 3				114 The Minister of Public Works, Ottawa, Ont.
133958	P. W. D. No. 120.	Ottawa.	Ottawa, Ont.	79 0	28 0	6 8				217 The Minister of Public Works, Ottawa, Ont.
134541	P. W. D. No. 121.	Ottawa.	Ottawa, Ont.	90 6	22 1	3 6				104 The Minister of Public Works, Ottawa, Ont.
133964	P. W. D. No. 123.	Ottawa.	Ottawa, Ont.	90 0	25 0	7 8				404 The Minister of Public Works, Ottawa, Ont.
134908	P. W. D. No. 202.	Winnipeg.	Solkirk, Man.	78 0	31 0	5 0				233 The Minister of Public Works, Ottawa, Ont.
134909	P. W. D. No. 204.	Winnipeg.	Solkirk, Man.	78 0	31 0	5 0				233 The Minister of Public Works, Ottawa, Ont.
134910	P. W. D. No. 208.	Winnipeg.	Solkirk, Man.	64 5	24 3	3 0				125 The Minister of Public Works, Ottawa, Ont.
138411	P. W. D. No. 210.	Winnipeg.	Solkirk, Man.	59 0	20 0	5 0				109 The Minister of Public Works, Ottawa, Ont.
134075	P. W. D. No. 313.	Vancouver.	North Vancouver, B.C.	76 0	35 0	6 0				208 The Minister of Public Works, Ottawa, Ont.
134539	P. W. D. Scow No. 117.	Ottawa.	Kingston, Ont.	141 0	32 9	8 7				338 The Minister of Public Works, Ottawa, Ont.
134540	P. W. D. Scow No. 118.	Ottawa.	Kingston, Ont.	141 0	32 9	8 7				338 The Minister of Public Works, Ottawa, Ont.
107633	P. Co. No. 1.	New Westminster.	New Westminster, B.C.	60 0	11 0	3 0				23 as. D. Burn M.O., New Westminster, B.C.

*Formerly "Ontario". *Formerly "Sir Wilfred".

*Foreign name "Tacoma". *Foreign name "Industry".

ALPHABETICAL List of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Muni de la T. S. F. Abbreviations—Associations—Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'inscription.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107334	P. Co. No. 2	New Westminster	Barge—Chd.	1898	New Westminster, B.C.	69 0	14 0	3 0	23	Jas. D. Burn, M.O., New Westminster, B.C.
88258	E. Cormier	Quebec	Barge—Chd.	1881	St. Michel d'Yamaska, Que.	105 3	22 3	8 0	112	Mrs. Jeanne C. Cormier, Samed, Que.
131135	P. Waters	Ottawa	Barge—Chd.	1913	Hull, Que.	113 0	24 2	7 8	179	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
111866	P. Whelan	Ottawa	Barge—Chd.	1902	Hull, Que.	108 5	23 6	8 0	146	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
111639	Pacific	Vancouver	Schr—Glt.	1901	Shedden, N.S.	86 0	24 0	9 2	99	Robert Murray, M.O., Port Richmond, N.S.
134069	Pacific Coast Cable Co., No. 1	Vancouver	Barge—Chd.	1903	New Westminster, B.C.	72 4	28 0	7 4	137	British Columbia Telephone Co., Ltd., Vancouver, B.C.
106515	Paquet	Parishore	Schr—Glt.	1892	Spencer's Island, N.S.	66 1	21 1	7 3	49	John F. Haynes, Harvey Bank, N.B.
80889	Paykham	St. Andrews	Schr—Glt.	1891	Lele Haute, N.B.	31 0	10 0	4 8	9	T. H. Smith, West Isles, N.B.
100297	Palma	Charlham, N.B.	Schr—Glt.	1892	Stuppington, N.B.	35 9	13 3	4 6	14	F. Ross, Albert, Shippigan, N.B.
117255	Palmetto	Charlham, N.B.	Schr—Glt.	1890	Stuppington, N.B.	89 0	24 6	9 5	72	F. G. Gales Grant, Ltd., Port of Spain, Trinidad, B.W.I.
92723	Paloma	Toronto	Barge—Chd.	1885	Halifax, N.S.	99 0	22 7	5 6	121	Trent Valley Navigation Co., Ltd., Balwynham, Ont.
129255	Pan Jun.	Sydney, N.S.	Barge—Chd.	1897	Norberton, Ont.	101 4	28 2	6 8	41	The Dominion Coal Co., Ltd., Sydney, N.S.
100216	Panchita	Halifax	Schr—Glt.	1896	San Felix, N.S.	97 5	25 6	13 0	252	The Dominion Coal Co., Ltd., Sydney, N.S.
100078	Pandora	St. John, N.B.	Schr—Glt.	1891	Greenwald, N.B.	87 6	27 0	7 3	98	Millare Kinney, et al., Waterside, N.B.
100241	Pansy	Halifax	Schr—Glt.	1891	Malone Bay, N.S.	47 6	16 8	6 8	32	W. Kemsky, M.O., Bay of Islands, Nfld.
126760	Parolls	Montreal	Schr—Glt.	1904	LaDunere, Que.	73 0	17 9	4 3	42	Alphons Miller & Sons, Ltd., Toronto, Ont.
123552	Parolise Lost.	Toronto	Sloop—Chd.	1907	Brockville, Ont.	70 0	20 7	4 0	10	Jos. W. Paulsen, M.O., Elm Tree, N.B.
100996	Parolise	Charlham, N.B.	Schr—Glt.	1889	Stuppington, N.B.	34 0	12 6	4 4	124	John Cullinan, M.O., St. John, N.B.
90615	Parlee	Moncton	Schr—Glt.	1893	Bucksport, N.S.	60 9	25 2	8 2	13	P. D. N. Sars, St. John, N.B.
134598	Patch	Pasopasie	Schr—Glt.	1913	Grand River, Que.	33 2	12 2	3 6	11	Colleson Trepur, Grand River, Que.
1000776	Patrick	Charlham, N.B.	Schr—Glt.	1880	Charlham, N.B.	35 2	13 2	5 0	9	P. Bevy, Charlham, N.B.
94857	Patrol	Port Hawkesbury	Schr—Glt.	1901	Alvendale, N.S.	44 3	15 2	7 8	97	W. S. Ross, River Bourgeois, N.S.
126580	Paul V.	Port Hawkesbury	Schr—Glt.	1911	Pleasant Bay, N.S.	43 8	15 2	6 7	14	W. H. Ross, Ltd., Charlham, N.S.
130671	Pavilion I.	Moncton	Schr—Glt.	1909	Little Truro, N.S.	52 5	22 8	1 2	15	Harold O. G. Lewis, Shornbraks, Que.
137974	Pavillon I.	Moncton	Sloop—Chd.	1913	Shedbrook, Que.	48 3	15 3	6 7	30	Joseph Murphy, Pleasant Harbor, N.S.
107317	Pearl	Halifax	Schr—Glt.	1889	Wings Harbour, N.S.	48 8	13 5	5 8	14	W. S. Ross, Ltd., Port of Spain, Trinidad, B.W.I.
12125	Pearl	St. John, N.B.	Schr—Glt.	1903	La Havo, N.S.	35 4	12 6	0 1	55	Henry G. McDougall, St. George, N.B.
76755	Peep O' Day	Halifax	Schr—Glt.	1889	Dover, N.S.	32 0	13 4	0 1	63	A. P. Cannon, Dover, N.S.
12125	Pearl	Halifax	Schr—Glt.	1878	Dover, N.S.	32 0	13 4	0 1	63	A. P. Cannon, Dover, N.S.
88215	Peep O' Day	Halifax	Schr—Glt.	1901	Lanenburg, N.S.	36 7	12 3	0 1	19	Wm. French & Co., Ltd., Jersey, C.I.
111712	Peelless	Halifax	Schr—Glt.	1907	Stuppington, N.B.	30 9	11 8	3 2	17	Wm. French & Co., Ltd., Jersey, C.I.
103778	Peckham	Charlham, N.B.	Schr—Glt.	1891	Stuppington, N.B.	36 7	12 3	0 1	21	Wm. French & Co., Ltd., Jersey, C.I.
103994	Pelican	St. Andrews	Sloop—Chd.	1886	Metegun, N.S.	40 6	11 3	7 9	21	Wm. French & Co., Ltd., Jersey, C.I.
116950	Polly	Victoria	Barge—Chd.	1905	White Horse, Y.T.	106 0	31 3	5 9	169	British Yukon Navigation Co., Ltd., Vancouver, B.C.

126102	Pellicor	Windsor, Ont.	Dredge-Drague.	1906	Sandwich, Ont.	93 0	25 0	8 5	17	The Windsor Dredging Co., Ltd., Windsor, Ont.
123223	Pembina	Chatham, N. B.	Schr—Glt.	1913	Hamack, N. B.	39 0	13 4	5 0	257	Jean Abois (son of Saint) L'Amack, N. B.
130446	Pepperell	Liverpool, N. S.	Dredge-Drague	1911	Liverpool, N. S.	80 4	30 6	5 8	152	Adrian Dring, Cape Bre., Louisbourg, N. S.
129589	Pepperell S. Purles	Gaspé	Schr—Glt.	1909	Liverpool, N. S.	96 8	25 0	10 6	140	William L. MacIntyre, Westport, N. S.
1294037	Perle C.	St. Andrews	Schr—Glt.	1909	Liverpool, N. S.	91 0	23 7	5 3	99	The "Perle C." Navigation Co., Ltd., Halifax, N. S.
42518	Perle	St. Andrews	Schr—Glt.	1888	Perle, N. B.	37 0	12 9	5 3	18	Charles A. Wadlin, et al., P. O., River Harbour, N. B.
137090	Peronelle	Port Hawkesbury	Schr—Glt.	1915	Grand Etang, N. S.	38 3	11 0	5 0	12	Simon P. Carlier, Grand Etang, N. S.
85451	Perseverance	Quebec	Schr—Glt.	1877	St. Charles, N. B.	65 8	20 6	5 8	42	Hermengilde Groux, Tatouan, N. B.
103122	Perseverance	St. Andrews	Schr—Glt.	1892	St. Patrick, N. B.	48 6	16 9	4 8	21	Samuel A. Aclery, Pomfret, N. B.
97013	Perusia	Montreal	Barge—Chd.	1916	St. Catharines, Ont.	141 0	25 4	10 7	284	The Atlas Sand Co. Ltd., Montreal, Que.
107790	Pert	St. John, N. B.	Sloop.	1897	St. John, N. B.	25 2	8 0	3 1	4	G. D. Gogbe, St. John, N. B.
92386	Peruvian	Kingston	Sloop.	1888	Sea Bay, Ont.	97 0	18 0	4 5	113	Andrew Ryan, Smith's Falls, Ont.
116558	Pescauld	Wentworth	Schr—Glt.	1909	North Shore, N. S.	93 8	26 8	7 4	54	Theodore Penimore, et al., Noel Shore, N. S.
122022	Pescawill	Liverpool	Schr—Glt.	1906	Liverpool, N. S.	90 0	32 0	6 4	38	The Canadian Fishing Co., Ltd., Vancouver, B. C.
126298	Pesawawa	Canso	Schr—Glt.	1912	Amack, N. S.	56 2	11 7	7 4	37	Frank C. Holmes, M. O. Canso, N. S.
122600	Peter England	Chatham, N. B.	Dredge-Drague	1902	Chatham, N. B.	37 6	12 0	2 5	10	Alfred H. Dredging Co., Ltd., Newcastle, N. B.
121889	Pette	Lanenburg	Schr—Glt.	1906	Malton Bay, N. S.	65 6	30 4	7 5	40	Alexander Forrier, Fortneville, N. S.
37197	Petite Riviere	Liverpool	Schr—Glt.	1857	Petite Riviere, N. S.	59 8	15 6	7 5	40	N. Swain, Barrington, N. S.
103764	Petrel	Chatham, N. B.	Schr—Glt.	1896	Stappan, N. B.	34 0	12 0	4 8	12	J. Ather, Shippagan, N. B.
50227	Petrel	St. Andrews	Schr—Glt.	1911	Tremont, Me., U. S. A.	33 0	19 8	5 6	13	J. Wm. Holland, Lepreau, N. B.
92558	Petrol	Gaspé	Schr—Glt.	1891	Grand River, Que.	36 6	20 0	5 2	13	J. W. Leblanc, Grand River, Que.
106910	Phantom No. 2	Victoria	Scow—Chd.	1891	Victoria, B. C.	70 0	26 0	6 0	77	J. A. Skeward, Victoria, B. C.
106870	Philip Kearney	Quebec	Barge—Chd.	1881	Northumberland, N. Y., U. S. A.	94 8	18 4	8 2	119	Wm. Price, Quebec, Que.
116804	Phillippo	St. Sorel	Barge—Chd.	1905	Sorel, Que.	97 0	31 7	5 6	37	D. B. Smith, Montreal, Que.
80675	Philomen	Windsor, Ont.	Schr—Glt.	1882	Belle River, Ont.	69 0	11 2	3 6	28	H. Terreault, Detroit, Mich., U. S. A.
133558	Philomene C.	Montreal	Sloop.	1913	St. Anne, Que.	54 1	13 9	4 4	25	J. B. Chamberland, Iberville, Que.
111924	Phin & Co. Scow No. 1.	Toronto	Scow—Chd.	1894	Detroit, Mich., U. S. A.	74 5	20 0	6 2	81	Wm. E. Phin, Toronto, Ont.
111925	Phin & Co. Scow No. 2.	Toronto	Scow—Chd.	1894	Detroit, Mich., U. S. A.	77 0	29 0	6 2	90	Wm. E. Phin, Toronto, Ont.
111926	Phin & Co. Scow No. 9.	Toronto	Scow—Chd.	1896	Buffalo, N. Y., U. S. A.	80 0	18 0	9 0	115	Wm. E. Phin, Toronto, Ont.
121214	Phoebe Jordan	Sydney, N. S.	Schr—Glt.	1911	South Ingouish, N. S.	40 6	11 8	7 8	15	John C. Williams, South Ingouish, N. S.
75915	Phocux	Gaspé	Schr—Glt.	1880	Esquimaux Point, Que.	45 5	17 1	6 9	26	Pacide Vigneau, Esquimaux Point, Que.
130828	Phyllis L. Westla-ver	Launenburg	Schr—Glt.	1912	Esquimaux Point, Que.	106 8	26 3	10 4	99	Mallon Rodenhiser, M. O., Lunenburg, N. S.
121947	Pie X.	Sorel	Sloop.	1907	Yanaska, Que.	109 1	23 3	7 8	130	Adelard Beaudet, St. Jean des Chailons, Que.
105963	Pike	Ottawa	Barge—Chd.	1885	Kippewa, Que.	63 8	13 2	4 2	17	Alex. Lonsdon, Ottawa, Ont.
72593	Pilot	Kingston	Schr—Glt.	1866	Kingston, U. S. A.	53 0	15 5	5 8	34	James Mahoney, Kingston, Ont.
12904	Pineand	Amnapois Royal	Schr—Glt.	1906	Gravelly Ferry, N. S.	162 0	35 3	12 0	399	Thomas Harvie, Westmont, Que.
32295	Pioneer	Sydney, N. S.	Schr—Glt.	1887	Little Bras d'Or, N. S.	36 0	11 6	5 2	9	Fred. Richard, Little Bras d'Or, N. S.
131553	Pioneer S. & G. Co. No. 11.	Vancouver	Scow—Chd.	1911	Seattle, Wash., U. S. A.	133 7	40 0	12 6	645	Coastwise Steamship & Barge Co., Ltd., Vancouver, B. C.
80891	Plymouth	Windsor, N. B.	Bk—Bq.	1879	Hantsport, N. S.	198 0	46 0	23 3	1,312	Gypsum Packet Co., Ltd., Windsor, N. S.
138288	Polcesudie Belle	Chatham, N. B.	Schr—Glt.	1899	Caraque, N. B.	49 0	12 0	4 3	13	John Michon, Caraque, N. B.
88347	Polur Star	Halifax	Schr—Glt.	1884	Sherbrooke, N. S.	49 5	17 1	7 2	29	Jas. McConnell, Port Hillford, N. S.
107315	Pollywood	Halifax	Sloop.	1899	Dartmouth, N. S.	23 7	6 5	3 4	2	Fredrick H. Washburn, Halifax, N. S.
102822	Potfaboell	Victoria	Bk—Bq.	1893	Bellast, G. B.	284 4	42 0	24 4	1,139	Ship Potfaboell Co., Ltd., Victoria, B. C.
107752	Pontiac	Kingston	Dredge-Drague	1890	Barrington, N. B.	135 7	26 0	6 8	135	W. J. Pompoor, Montreal, Que.
103337	Pontiac	Ottawa	Barge—Chd.	1889	Buckingham, Que.	82 7	48 7	4 4	33	W. J. Pompoor, Montreal, Que.
126814	Ponton No. 1	Quebec	Scow—Chd.	1910	Levis, Que.	99 3	49 2	6 5	293	Levis Ferry, Ltd., Levis, Que.
126845	Ponton No. 2	Quebec	Scow—Chd.	1910	Levis, Que.	99 3	49 1	6 5	291	Levis Ferry, Ltd., Levis, Que.
83473	Porpoise	St. Andrews	Schr—Glt.	1860	Labee, Me., U. S. A.	52 7	17 8	6 0	32	Thomas E. Spear, Sealeys Cove, N. B.
133745	Port Nelson	Toronto	Dredge-Drague	1913	Toronto, Ont.	180 0	43 0	9 9	904	The Minister of Railways and Canals, Ottawa, Ont.

¹Formerly a steamer. ²Formerly "Groming Boop."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. — *Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Build—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10ths.	Breadth in feet and 10ths. Largeur en pieds et 10ths.	Depth in feet and 10ths. Profondeur en pieds et 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
83289	Portsmouth.....	Kingston.....	Barge—Chd.....	1872	Kingston, Ont.....	108 0	22 8	7 0	126	S. T. Easton, Ottawa, Ont.....
122448	Possum.....	St. John, N.B.....	Sloop.....	1882	Ottawa, Ont.....	36 5	10 3	5 4	11	Harold B. Robinson, St. John, N.B.
138289	Pourbovante.....	Chatham, N.B.....	Schr—Glt.....	1890	Greenport, N.Y., U.S.A.....	36 0	12 8	5 0	13	W. S. Logan, Co., Ltd., Chatham, N.B.
800555	Proscott.....	St. John, N.B.....	Schr—Glt.....	1917	Cariquet, N.B.....	75 0	25 1	6 8	73	Thomas Ambly, Parrsboro, N.S.
122623	Pride of the Fleet.....	Chatham, N.B.....	Schr—Glt.....	1908	Cabais, Me., U.S.A.....	41 0	14 7	6 5	24	Robin, Jones & Whitman, Ltd., Halifax, N.S.
134527	Pride of the North.....	Sydney, N.S.....	Schr—Glt.....	1915	Cape North, N.S.....	35 0	10 7	4 8	10	George, McDonald, Ingonish Ferry, N.S., and Angus Hines, Ingonish, N.S.
92571	Primrose.....	Halifax.....	Schr—Glt.....	1887	Chester, N.S.....	37 8	13 8	6 2	14	Fortune Cormier, Amherst, M.I., Que.
92663	Prince Edward.....	Ottawa.....	Schr—Glt.....	1887	Summerside, P.E.I.....	47 4	15 0	5 6	18	L.H. McLean, Charlottetown, P.E.I.
125989	Prince Guy.....	Montreal.....	Dredge—Drague.....	1903	Montreal, Que.....	99 5	35 0	7 2	261	William J. Poirere, Westmount, Que.
125990	Prince Louis.....	Montreal.....	Dredge—Drague.....	1902	Montreal, Que.....	72 6	38 6	6 1	208	William J. Poirere, Westmount, Que.
125159	Prince Willie.....	Montreal.....	Dredge—Drague.....	1908	Sorel, Que.....	99 6	35 3	7 1	258	The W. J. Poirere Co., Ltd., Montreal, Que.
100219	Princess.....	Digby.....	Schr—Glt.....	1879	Port Gilbert, N.S.....	88 2	25 0	9 4	137	Jonas Morehouse, et al., Brighton, N.S.
78044	Princess Louise.....	Halifax.....	Schr—Glt.....	1889	Chezzetcook, N.S.....	48 1	14 7	5 2	16	John Bellfontaine, Chezzetcook, N.S.
116835	Princess Louise.....	Vancouver.....	Barge—Chd.....	1879	Chatham, N.B.....	49 0	30 0	6 3	21	Arthur W. Willbur, Chatham, N.B.
117665	Princess Victoria.....	Victoria.....	Schr—Glt.....	1869	New York, N.Y., U.S.A.....	184 0	66 0	13 0	754	Britannia Mining & Smelting Co., Ltd., Britannia Beach, B.C.
111509	Priscella.....	St. John, N.B.....	Schr—Glt.....	1905	Massets, B.C.....	55 0	16 0	6 8	17	Standard Fish & Fertilizer Co., Ltd., Vancouver, B.C.
941677	Progress.....	Gaspé.....	Schr—Glt.....	1900	Horton, N.S.....	81 6	27 0	7 6	74	Herbert C. Boyce, et al., Bridgetown, Bels.
103977	Progress.....	Halifax.....	Schr—Glt.....	1872	Newcastle, N.B.....	80 0	24 6	8 0	52	Mrs. E. A. Newcomb, St. John, N.B.
111402	Protector.....	Quebec.....	Schr—Glt.....	1889	Esquimaux Point, Que.....	60 5	20 9	8 0	102	Nat. Boudreau, Esquimaux Point, Que.
96749	Providence.....	Chatham, N.B.....	Schr—Glt.....	1895	Spry Bay, N.S.....	39 4	7 4	5 6	14	Robert Leslie, Halifax, N.S.
116874	Providence.....	Chatham, N.B.....	Schr—Glt.....	1900	St. Siméon, Que.....	62 4	21 0	7 4	56	A. Belliz, St. Siméon, Que.
85461	Providence.....	Chatham, N.B.....	Schr—Glt.....	1890	La Have, N.S.....	93 2	24 4	9 4	95	John S. Martin, Port a Basque, Nfld.
103976	Providence.....	Quebec.....	Schr—Glt.....	1905	Cariquet, N.B.....	38 5	12 5	5 0	13	T. H. Le Boulhiller, Cariquet, N.B.
130338	Providence.....	Quebec.....	Schr—Glt.....	1882	Gentilly, Que.....	77 0	22 5	5 8	18	M. Lantegrie, Caraquet, N.B.
131001	Provincial No. 1.....	St. John, N.B.....	Scow—Chd.....	1911	St. Siméon, Que.....	31 5	16 8	6 5	33	H. N. LaVoie, Rig, Que.
134061	Puget Sound.....	Vancouver.....	Scow—Chd.....	1903	St. John, N.B.....	162 0	40 0	10 0	580	The Canadian Towing & Wrecking Co., Ltd., Port Arthur, Ont.
122265	Pump Scow No. 1.....	Montreal.....	Dredge—Drague.....	1906	Montreal, Que.....	107 0	49 5	22 8	616	West Coast Bridge & Dredging Co., Ltd., Vancouver, B.C.
126739	Pyrites.....	Vancouver.....	Scow—Chd.....	1910	North Vancouver, B.C.....	89 0	25 2	9 3	207	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
103993	Pythian Knight.....	St. Andrews.....	Sloop.....	1897	Shelburne, N.S.....	48 0	15 0	6 0	19	The Barnet Lighterage Co., Ltd., Barnet, B.C.

SESSIONAL PAPER No. 22

No.	Name	Type	Home Port	Tonnage	Length	Breadth	Depth	Speed	Agent
134442	Q. H. C., No. 51	Scow—Chd.	Toronto, Ont.	108 0	28 0	8 7	241	Quebec Harbour Commissioners, Quebec, Que.	
134443	Q. H. C., No. 52	Scow—Chd.	Toronto, Ont.	108 0	28 0	8 7	241	Quebec Harbour Commissioners, Quebec, Que.	
134444	Q. H. C., No. 53	Scow—Chd.	Toronto, Ont.	108 0	28 0	8 7	241	Quebec Harbour Commissioners, Quebec, Que.	
134445	Q. H. C., No. 54	Scow—Chd.	Toronto, Ont.	144 0	31 0	11 1	434	Quebec Harbour Commissioners, Quebec, Que.	
134446	Q. H. C., No. 55	Scow—Chd.	Toronto, Ont.	144 0	31 0	11 1	434	Quebec Harbour Commissioners, Quebec, Que.	
134447	Q. H. C., No. 56	Scow—Chd.	Toronto, Ont.	144 0	31 0	11 1	434	Quebec Harbour Commissioners, Quebec, Que.	
134223	Q. & R. No. 1	Dredge—Draught	Montreal, Quebec	110 1	35 1	6 8	188	Quinlan & Robertson, Ltd., Montreal, Que.	
122198	Qualia	Barge—Chd	New Westminster, B.C.	96 0	32 0	4 0	155	Vancouver Crossiting Co., Ltd., Vancouver, B.C.	
111663	Quebec	Schr—Glt	Lévis, Que.	208 2	42 0	14 6	989	Montreal Transportation Co., Ltd., Montreal, Que.	
133977	Queensboro One	Barge—Chd	New Westminster, B.C.	59 4	20 0	4 0	43	Marsh Thibon Powers Co., Ltd., New Westminster, B.C.	
133978	Queensboro Two	Barge—Chd	New Westminster, B.C.	60 0	16 0	4 3	38	Walfer A. Gilley, New Westminster, B.C.	
1000537	Quey	Schr—Glt	St. John, N.B.	94 4	26 0	7 5	123	Charles C. LeBlanc, et al., Belliveau Cove, N.S.	
88504	Quickstep	Schr—Glt	Lingan, N.S.	40 0	13 0	5 9	15	John P. Shannon, Whiteside, N.S.	
111471	Quickstep	Schr—Glt	Essex, Mass., U.S.A.	32 0	10 0	6 2	83	David Sproule, Digby, N.S.	
121682	Quincy	Sloop	Clarke's Harbour, N.S.	91 0	24 0	10 6	140	William A. Lozeff, White Point, N.S.	
131215	Quincy	Sloop	U.S.A.	71 2	22 0	7 7	146	Atlantic Dredging Co., Ltd., Louisburg, N.S.	
135294	Quinlan & Robertson Ltd., No. 2 (No. 43)	Dredge—Draught	Limoilou, Que.	105 6	33 0	8 2	459	Quinlan & Robertson, Ltd., Montreal, Que.	
134494	Quinette	Schr—Glt	Capucins, Que.	94 7	25 6	6 7	97	James Richardson Co., Ltd., St. Jerome de Matane, Que.	
129129	Quinte Chief	Drillboat	Trenton, Ont.	89 6	30 0	6 4	210	Robert Weddell, Trenton, Ont.	
107904	Quoddy Queen	Sloop	Weymouth, N.S.	32 0	11 5	6 0	13	Charles H. Mathews, L'Etete, N.B.	
131155	R. No. 1	Scow—Chd.	Peterborough, Ont.	80 0	28 0	5 4	104	Claude H. Rogers, Peterborough, Ont.	
131186	R. No. 2	Scow—Chd.	Peterborough, Ont.	80 0	28 0	5 4	104	Claude H. Rogers, Peterborough, Ont.	
141116	R. B. 2	Scow—Chd.	Vancouver, B.C.	53 3	28 0	6 3	356	Robert Bailey, Vancouver, B.C.	
134418	R. & H. No. 1	Scow—Chd.	Vancouver, B.C.	59 2	24 0	5 7	73	James W. Hackett, Vancouver, B.C.	
135729	R. F. No. 3	Scow—Chd.	New Westminster, B.C.	80 0	26 0	6 2	110	Robert Fenton, New Westminster, B.C.	
135730	R. F. No. 4	Scow—Chd.	New Westminster, B.C.	80 0	26 0	6 2	110	Robert Fenton, New Westminster, B.C.	
134112	R. F. No. 5	Barge—Chd	New Westminster, B.C.	86 0	30 0	8 1	84	Robert Fenton, New Westminster, B.C.	
135731	R. F. No. 6	Scow—Chd.	New Westminster, B.C.	86 0	30 0	7 9	175	Robert Fenton, New Westminster, B.C.	
135285	R. J. W.	Schr—Glt	Charquet, N.B.	46 0	14 8	6 8	29	Robin Jones & Whitman, Ltd., Halifax, N.S.	
122506	R. M. Co. Dredge No. 8	Dredge—Draught	Hastings, Ont.	79 0	25 6	6 7	151	The Randolph Macdonald Co., Ltd., Toronto, Ont.	
134457	R. M. Co. Dredge No. 10	Dredge—Draught	Welland, Ont.	107 0	36 0	8 0	386	The Randolph Macdonald Co., Ltd., Toronto, Ont.	
126418	R. M. Co. No. 9 (The)	Barge—Chd	U.S.A.	125 0	28 0	7 4	230	The Randolph Macdonald Co., Ltd., Toronto, Ont.	
130319	R. M. & S. No. 1	Scow—Chd	Toronto, Ont.	100 0	28 0	7 5	174	Roger Miller & Sons, Ltd., Toronto, Ont.	
130220	R. M. & S. No. 4	Scow—Chd	Toronto, Ont.	100 0	30 0	7 5	187	Roger Miller & Sons, Ltd., Toronto, Ont.	
131081	R. M. & S. No. 5	Scow—Chd	Toronto, Ont.	100 0	30 0	7 5	187	Roger Miller & Sons, Ltd., Toronto, Ont.	
131082	R. M. & S. No. 6	Scow—Chd	Toronto, Ont.	70 0	24 0	5 5	80	Roger Miller & Sons, Ltd., Toronto, Ont.	
131083	R. M. & S. No. 7	Scow—Chd	Toronto, Ont.	62 0	23 0	5 6	78	Roger Miller & Sons, Ltd., Toronto, Ont.	
134453	R. M. & S. No. 9	Scow—Chd	Toronto, Ont.	70 0	23 8	5 5	89	Roger Miller & Sons, Ltd., Toronto, Ont.	
133749	R. M. & S. No. 14	Scow—Chd	Toronto, Ont.	100 0	35 0	6 8	195	Roger Miller & Sons, Ltd., Toronto, Ont.	
133743	R. M. & S. Dredge No. 2	Dredge—Draught	Morrisburg, Ont.	87 2	31 5	7 1	210	Roger Miller & Sons, Ltd., Toronto, Ont.	
130315	R. M. & S. Steer No. 2	Scow—Chd	Morrisburg, Ont.	70 0	20 2	4 3	44	The Minister of Public Works, Ottawa, Ont.	
130316	R. M. & S. Steer No. 3	Scow—Chd	Morrisburg, Ont.	70 0	20 2	4 3	44	Roger Miller & Sons, Ltd., Toronto, Ont.	
140909	R. P. L. No. 1	Scow—Chd.	Vancouver, B.C.	74 4	26 0	5 5	88	Rat Portage Lumber Co., Ltd., St. Boniface, Man.	
107564	R. P. S.	Schr—Glt	Charlottetown	70 8	23 0	8 0	74	Victor and Joseph Saller, J.O., North Sydney, N.S.	
74064	R. A. Smith	Scow—Chd	Windsor, Ont.	40 0	12 6	3 2	11	Horace Bartlett, Sarnia, Ont.	
121881	R. G. Harvey	Sloop	Cape Island, N.S.	65 0	11 8	6 0	51	Mrs. Rosanna Neville, Halifax, N.S.	
94837	R. H. Brown	Schr—Glt	Marine City, Wisconsin, U.S.A.	33 0	17 2	6 2	13	John Cadarette, Belle River, Ont.	
122233	R. H. Milford	Sloop	Clarke's Harbour, N.S.	33 0	11 7	5 6	13	Isaiah S. Newell, Clarke's Harbour, N.S.	
122020	R. L. Blackburn	Barge—Chd	Hull, Que.	122 1	24 1	8 6	208	The Ottawa Transportation Co., Ltd., Ottawa, Ont.	

Formerly a steamer.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.
 © Equipped with Wireless—Muni de la T.S.F.—*Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.*

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
139817	R. L. Bardon	Lanenburg	Schr—Glt	1911	Liverpool, N.S.	115 4	26 1	10 3	99	Axelshald Himmichmann, M.O., Rose Bay, N.S.
139606	R. L. Muekenzie	Shelburne	Schr—Glt	1912	East Jordan, N.S.	56 8	17 6	6 9	33	Ralph MacKenzie, M.O., East Jordan, N.S.
110649	R. M. Cox	Ottawa	Barge—Chd	1902	Hull, Que.	112 8	24 4	6 2	108	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
100474	R. Beutree	Charlottetown	Schr—Glt	1892	Malboro Bay, N.S.	11 6	1 4	6 4	39	John Pelham, Janyrin's Cove, N.S.
138445	Raeewell	Weymouth	Schr—Glt	1917	Meagham River, N.S.	139 5	32 8	12 4	347	Clare Shipping Co., Ltd., Meagham River, N.S.
122234	Rachel	Prince Albert	Dredge—Drage	1905	Prince Albert, Sask.	108 0	28 9	4 5	13	International Gold Dredging Co., Ltd., Ottawa, Ont.
139628	Racordo	Yarmouth	Schr—Glt	1893	Kingston, N.B.	14 6	13 3	8 9	74	William Tremblain, Lunenburg, N.S.
122528	Rainbow	Yarmouth	Schr—Glt	1906	Campbell Island, B.C.	51 6	16 3	6 2	34	Frederick S. Carpenter, Campbell Island, B.C.
110936	Rainbow	Yanouver	Schr—Glt	1905	Victoria, B.C.	70 0	26 7	7 7	61	Uzohiko Sakamoto, Yanouver, B.C.
134633	Rainbow No. 2	Victoria	Barge—Chd	1915	North Vancouver, B.C.	83 0	19 7	12 0	391	The Western Transport Co., Ltd., Nanaimo, B.C.
909993	Ralph	Lanenburg	Schr—Glt	1885	Fort Vancouver, B.C.	155 2	33 8	12 0	311	A. W. F. Bartouche, N.B.
139256	Ralph S. Parsons	Windsor, N.S.	Schr—Glt	1917	Cherryrie, N.S.	36 0	11 6	4 2	11	Andrew Duncan, Clarke's Harbour, N.S.
100820	Ranger	Barrington Passage	Schr—Glt	1895	Chatham, N.S.	55 8	18 0	7 3	42	Josiah Gallant, Grandigne, N.B.
41598	Ranger	Gaspé	Schr—Glt	1890	Sandy Beach, Que.	35 0	12 3	4 8	11	T. Abner, Shippigan, N.B.
103287	Raven	Chatham, N.B.	Schr—Glt	1895	Shippigan, N.B.	33 0	11 0	6 0	11	Robert L. Newell, Cape Island, N.S.
122469	Raymond C.	Yarmouth	Sloop	1907	Cape Island, N.S.	50 5	15 8	5 8	18	Johnston Denton, Westport, N.S.
122590	Ready Now	St. Andrews	Schr—Glt	1889	Boston, Mass., U.S.A.	187 0	36 0	16 0	762	Bank of British West Africa, Ltd., London, G.H.
133997	Rebecca L. Mae-Donald	Digby	Schr—Glt	1918	Meagham, N.S.	157 0	36 0	16 0	4	
72999	Red Bird	St. Catharines	Scow—Chd	1870	Hamilton, Ont.	64 6	17 3	4 4	39	H. Mines, Welland, Ont.
96888	Red Island	Ottawa	Light—Ship	1893	Caracquet, N.B.	102 0	22 0	10 6	152	The Minister of Marine and Fisheries, Ottawa, Ont.
103272	Red Wessel	Chatham, N.B.	Schr—Glt	1890	Caracquet, N.B.	35 2	12 0	4 8	11	J. Young, Tracadie, N.B.
100775	Red Gauntlet	Chatham, N.B.	Schr—Glt	1890	St. Alexis, Que.	35 5	12 0	4 6	11	P. Rives, Caracquet, N.B.
88324	Redoubtable	Quebec	Schr—Glt	1886	St. Alexis, Que.	64 0	20 4	8 3	67	A. W. Dolbel, Grand Trappe, Que.
11705	Regform	Lanenburg	Schr—Glt	1887	Essex, Mass., U.S.A.	68 0	19 7	7 6	58	David T. and Luban T. Chasson, Cheticamp, N.S.
130674	Reggie P. P.	Lanenburg	Schr—Glt	1910	Eastern Point, N.S.	40 0	10 5	5 6	11	Ephraim Raluse, Martins Point, N.S.
103735	Regina	Parrishoro	Schr—Glt	1893	Port Greenville, N.S.	76 0	23 7	7 9	74	James E. George, Parrishoro, N.S.
85748	Regina	Quebec	Schr—Glt	1881	St. Anne des Monts, Que.	71 5	22 4	6 9	79	Pierre Trempanner, Chateau Richer, Que.
403613	Regina	Quebec	Sloop	1891	Bay St. Paul, Que.	51 6	18 9	5 0	27	A. Lavoie, Bay St. Paul, Que.
122181	Reginald	Quebec	Schr—Glt	1907	St. Fulgence, Que.	79 8	23 4	7 1	81	Alfred Paton, et al., Cap Châ, Que.
107059	Reginald R.	Barrington Passage	Sloop	1903	Baeseau, N.S.	43 0	14 8	5 1	16	Allen Atkinson, Cape Island, N.S., and Wm. McMillan, Lunenburg, N.S.
403706	Regine	Yarmouth	Sloop	1896	Pubnico, N.S.	35 7	12 5	5 8	10	S. E. Goodwin, Oak Park, N.S.
122038	Regine C.	Weymouth	Schr—Glt	1910	Meagham River, N.S.	56 0	17 8	7 0	37	Amrose H. Comeau, Meagham River, N.S.
137914	Reine Marie	Chatham, N.B.	Schr—Glt	1915	Caracquet, N.B.	43 0	14 0	6 0	20	Patrick E. Latéigne, Caracquet, N.B.

SESSIONAL PAPER No. 22

42707	Reine Victoria	Quebec	Schr—Glt.	1859	Ratisseau, Que.	96 0	22 5	6 4	Omer Lafleur, Ste. Croix, Que.
77599	Reine des Anges	Quebec	Sloop.	1879	St. Marcel, Que.	87 5	21 0	5 4	73 A. Hamel, Lotbiniere, Que.
116749	Reliance	Halifax	Schr—Glt.	1905	Tancook, N.S.	45 0	11 8	5 9	Geo. Shaunwhite, Terrence Bay, N.S.
422128	Reliance	Halifax	Schr—Glt.	1907	Dartmouth, N.S.	43 0	12 8	6 0	Rob. Jones & Whitman, Ltd., Halifax, N.S.
116337	Reliance	Ottawa	Barge—Chd.	1903	Barry's Bay, Ont.	40 0	11 2	3 0	Ontario Corbielud Co., Ltd., Ottawa, Ont.
134322	Remon.	Chatham, N.B.	Schr—Glt.	1914	Caraqueet, N.B.	40 0	11 8	5 0	John G. Roberchoud, Shippigan, N.B., and Joseph Therian, Caraqueet, N.B.
103556	Remus.	Chatham, N.B.	Schr—Glt.	1896	Shippigan, N.B.	39 3	13 0	5 6	W. S. Loggie Co., Ltd., Chatham, N.B.
107806	Rena F.	St. John, N.B.	Sloop.	1893	Ower Island, N.B.	38 0	13 5	5 0	Melvin Morse, Grand Manan, N.B.
107785	Rene.	Ottawa	Scow—Chd.	1885	Itali, Que.	40 3	16 0	2 6	E. G. Laverdure, Ottawa, Ont.
138613	Reno Duguay.	Chatham, N.B.	Schr—Glt.	1917	Shippigan, N.B.	40 0	12 0	5 0	Sydney Duguay, Shippigan, N.B.
100952	Replevin.	Chatham, N.B.	Schr—Glt.	1890	Caraqueet, N.B.	36 6	12 3	4 2	W. S. Loggie Co., Ltd., Chatham, N.B.
77787	Resene.	Halifax	Schr—Glt.	1881	East Port Medway, N.S.	42 9	14 6	6 2	John W. Alley, Halifax, N.S., and Alexander McDonald, Dartmouth, N.S.
107547	Resta & Rhoda.	St. John, N.B.	Sloop.	1885	St. John, N.B.	34 4	13 0	4 0	Isaac Newton, Grand Harbour, Grand Manan, N.B.
112094	Resta S.	Canso.	Schr—Glt.	1903	Queensport, N.S.	36 6	12 4	6 2	William Schrider, Canso, N.S.
111521	Retta E.	Digby.	Schr—Glt.	1885	Cap St. Mary, N.S.	32 5	10 5	5 0	John A. Doucette, Cape St. Mary's, N.S.
130478	Review.	Lunenburg	Schr—Glt.	1911	LaHave, N.S.	72 0	22 8	9 2	J. Norman Rafuse, <i>et al.</i> , LaHave, N.S.
103078	Reward.	Chatham, N.B.	Schr—Glt.	1894	Shippigan, N.B.	37 6	13 0	5 3	Lange Albert, Caraqueet, N.B.
85860	Rex.	St. John, N.B.	Schr—Glt.	1883	St. Martins, N.B.	66 4	22 5	6 8	James Hyslop, <i>et al.</i> , Albert, N.B.
107307	Rialto G.	St. Andrews	Sloop.	1891	St. John, N.B.	24 0	9 4	5 6	Hanford Small, Grand Manan, N.B.
92320	Rialto.	Shelburne	Schr—Glt.	1888	Liverpool, N.S.	60 0	20 0	7 5	Arthur Campbell, St. Ann's, N.S.
111967	3Rickarton.	Pictou, Ont.	Schr—Glt.	1890	Marine City, Mich., U.S.	222 0	36 0	22 0	Canada Steamship Lines, Ltd., Montreal, Que.
138837	Rielhard B. Silver.	Lunenburg	Schr—Glt.	1918	McGeoghan River, N.S.	142 2	34 6	13 0	Henry W. Adams, Lunenburg, N.S.
37172	Rielhard Simonds.	St. John, N.B.	Schr—Glt.	1861	Portland, N.B.	70 2	19 8	7 5	Jos. L. Clevand, Margaretsville, N.S.
72059	Rielm and Queen.	Halifax	Schr—Glt.	1889	Little River, N.S.	35 4	16 7	15 3	Arsene Doucet, Grand Etang, N.S.
100932	Rideau.	Ottawa	Dredge—Dragne	1877	Waldan, Ont.	70 8	25 4	4 4	The Minister of Railways and Canals, Ottawa, Ont.
129466	Rill, May.	Yarmouth	Sloop.	1907	Cape Island, N.S.	33 6	11 3	6 0	Levi J. Nickerson, Cape Island, N.S.
75763	Ripple.	Arichat.	Schr—Glt.	1877	Port Medway, N.S.	39 4	15 2	5 3	Daniel McDonald, Port Richmond, N.S.
48358	Ripple.	Guyshoro'	Schr—Glt.	1894	Indian Harbour, N.S.	46 0	15 0	5 5	W. R. Cutler, Arichat, N.S.
107537	Ripple.	St. John, N.B.	Schr—Glt.	1898	Canning, N.B.	56 9	21 3	5 7	A. E. Flower, Canning, N.B.
75591	Rise and Go.	Lunenburg	Schr—Glt.	1877	Chare, N.S.	43 0	14 9	5 1	W. O'Brien, Campbell, N.B.
75575	Rising Sun.	Lunenburg	Schr—Glt.	1877	LaHave, N.S.	42 0	15 0	5 4	Rufus E. Dickie, Stewiacke, N.S.
96806	Rising Sun.	Halifax	Schr—Glt.	1891	Chezzetcook, N.S.	47 3	17 4	6 5	R. Christian, Prospect, N.S.
97191	Rita.	Chatham, N.B.	Schr—Glt.	1890	Caraqueet, N.B.	35 4	12 3	5 0	Robt. Jones & Whitman, Ltd., Halifax, N.S.
88223	River Belle.	Halifax	Schr—Glt.	1881	Clyde River, N.S.	32 5	12 3	5 5	John D. Christian, Upper Prospect, N.S.
111470	River Branch.	Chatham, N.B.	Schr—Glt.	1901	Shippigan, N.B.	36 9	12 6	4 3	Wm. Fruing & Co., Ltd., Jersey, C.I.
75787	River Dale.	Halifax	Schr—Glt.	1865	LaHave, N.S.	59 6	19 3	7 4	Thomas Adams, <i>et al.</i> , Gaspe, Que.
55347	River Rose.	Barrington Passage.	Schr—Glt.	1878	Port Clyde, N.S.	37 0	14 4	5 9	Wallter Coggins, Westport, N.S.
112372	River Swan.	Arichat.	Schr—Glt.	1901	Tor Bay, N.S.	33 0	11 4	5 0	John J. McKenzie, Canso, N.S.
85590	Rivendale.	St. John, N.B.	Schr—Glt.	1883	Waterborough, N.B.	75 3	26 3	7 0	T. W. Parker, Cumberland Bay, N.B.
111648	Riviera.	Lunenburg	Schr—Glt.	1901	Shelburne, N.S.	88 0	24 0	9 4	Thomas Gagnon, Arichat, N.S.
100319	Rob Roy.	Yarmouth	Schr—Glt.	1888	Loxeport, N.S.	41 0	13 4	5 0	Freeman Lowe, Cape Island, N.S.
100566	Rob S.	Halifax	Schr—Glt.	1912	Malbone Bay, N.S.	42 0	14 6	6 4	W. W. Lewis, Louisbourg, N.S.
134398	Robert J. Dale.	Lunenburg	Schr—Glt.	1904	Caraqueet, N.S.	113 2	28 6	10 4	David Ritecy, M.O., LaHave, N.S.
120003	Robert R. Christian	St. Catharines.	Barge—Chd.	1892	U.S.A.	93 9	17 7	8 3	George R. Smith, Dunnville, Ont.
103946	Robin B.	Chatham, N.B.	Schr—Glt.	1890	Caraqueet, N.B.	38 0	12 8	5 0	Robt. Jones & Whitman, Ltd., Halifax, N.S.
103946	Robin Hood.	St. John, N.B.	Schr—Glt.	1898	Yarmouth, N.S.	23 7	9 0	3 2	T. J. Lantaulin, St. John, N.B.
130874	Robson.	New Westminster	Dredge—Dragne	1901	Portland, Ore., U.S.A.	133 0	29 0	6 0	Pacific Construction Co., Ltd., Vancouver, B.C.
125568	Roek Breaker No. 1	Peterboro.	Scow—Chd.	1908	Campbellford, Ont.	99 0	29 0	5 1	Fredrick D. Brown, Toronto, Ont., and John A. Aylmer, Peterboro, Ont., J.O.
130895	Roek Cutter P. W. D. No. 1	Victoria.	Dredge—Dragne	1911	Victoria, B.C.	100 0	36 5	7 6	The Minister of Public Works, Ottawa, Ont.
122418	Roek King.	Midland.	Dredge—Dragne	1909	Welland, Ont.	101 0	30 0	8 0	The Canadian Dredge & Construction Co., Ltd., Midland, Ont.
117095	Rodrig Grace.	Arichat.	Schr—Glt.	1906	L'Ardoise, N.S.	43 0	12 5	6 0	Helaire and Raymond Sanson, Petit de Grat, N.S.
116898	Roland.	Sorel	Sloop.	1906	Sorel, Que.	103 2	23 0	7 0	Conrad Lafrenière, Pierreville, Que.

*Foreign name "Effort." *Formerly "Humboldt." *Formerly "Chipeewa." *Foreign name "Beaver."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless. Muni de la T. S. F. Abbreviations—*Acronyms*: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
130480	Roland A. T.	Lunenburg.	Schr—Glt.	1902	Tanook, N.S.	41 0	10 3	5 2	11	Milton and Henry Tanner, Lunenburg, N.S.
122226	Reif.	Parrsboro.	Schr—Glt.	1909	Port Greville, N.S.	65 0	20 1	6 9	54	Leonard A. Rowe, Parrsboro, N.S.
75146	Romaine.	Montreal.	Schr—Glt.	1881	Gaspé, Que.	64 5	20 6	9 3	65	Schooner Romaine, Ltd., Montreal, Que.
103358	Romeo.	Quebec.	Sloop.	1895	Bic, Que.	38 5	14 4	5 1	22	G. F. Gilsome, Quebec, Que.
100073	Romeo.	St. John, N.B.	Schr—Glt.	1891	Cambridge, N.B.	84 4	28 9	5 7	111	Peter McIntyre, St. John, N.B.
100587	Romulus.	Chatham, N.B.	Schr—Glt.	1896	Chippigan, N.B.	39 0	13 7	5 2	19	W. S. Leggie Co., Ltd., Chatham, N.B.
121856	Ronald G. Smith.	Lunenburg.	Schr—Glt.	1906	Shippigan, N.B.	100 0	26 0	10 3	100	Arthur S. Randall, St. Johns, Nfld.
92404	Rosa.	Chatham, N.B.	Schr—Glt.	1886	Shippigan, N.B.	36 2	13 4	5 0	17	F. V. Lantaigne, Caraquet, N.B.
122576	Rosa Georgina.	Yarmouth.	Schr—Glt.	1907	Sarcelles Island, N.S.	46 0	17 4	8 6	35	Hilaire Samlier, Metcogan, N.B.
100908	Rosalie.	Chatham, N.B.	Schr—Glt.	1892	Caraquet, N.B.	35 5	12 5	4 4	18	Phil. Frigate, Missou Centre, N.B.
100392	Rosamond.	Charlottetown.	Schr—Glt.	1896	North Rustico, P.E.I.	42 0	14 1	5 5	11	John A. Doucotte, Cape St. Mary, N.S.
111834	Rosan.	Digby.	Schr—Glt.	1898	North Rustico, P.E.I.	32 4	10 9	5 0	10	Noel Dufour, Isle aux Coudres, Que.
116227	Rosaria.	Quebec.	Schr—Glt.	1902	Isle aux Coudres, Que.	43 2	13 6	5 0	15	Alder Evans, St. John, N.B.
107536	Rose.	St. John, N.B.	Sloop.	1893	St. John, N.B.	25 0	10 0	3 0	8	William Shea, Port Morion, N.S.
134529	Rose Ellen.	Sydney, N.S.	Schr—Glt.	1915	Port Morion, N.S.	37 1	10 6	5 0	39	Amable Bourcier, Montanagny, Que.
103378	Rose Mysteriense.	Quebec.	Schr—Glt.	1896	Les Laurentides, Que.	55 8	17 0	5 9	16	Joseph O'Toole, Louisbourg, N.S.
111798	Rosie G.	Port Hawkesbury.	Schr—Glt.	1908	Little Lorraine, N.S.	38 7	12 4	6 2	20	George Little, Louisbourg, N.S.
129828	Rosie L.	Lunenburg.	Schr—Glt.	1910	Tanook, N.S.	47 6	13 2	6 2	22	Anna Little, Louisbourg, N.S.
116272	Rosie M. B.	Halifax.	Schr—Glt.	1903	Grand Desert, N.S.	70 8	21 7	9 2	75	Ausselin Stimpson, <i>et al.</i> , River Bourgeois, N.S.
107265	Ross Point Ferry boat.	Halifax.	Horse ferry.	1891	Arnprior, Ont.	45 2	22 8	9 2	16	A. J. Campbell, Arnprior, Ont.
100668	Round Islander.	Kingston.	Barge—Chd.	1895	Verona, Ont.	40 8	12 4	3 6	14	Henry Bauder, Verona, Ont.
103391	Rover.	Deseronto.	Schr—Glt.	1891	Napanee, Ont.	42 0	15 0	4 6	13	John Rowley, Kingston, Ont.
85702	Rover.	Waldereau.	Schr—Glt.	1884	Wallaceburg, Ont.	75 7	18 0	5 3	46	Geo. Travis, Wallaceburg, Ont.
53551	Rowing Bird.	Halifax.	Schr—Glt.	1865	Chezzetook, N.S.	41 9	15 1	6 4	24	Frederick J. Hyson, Malbone Bay, N.S.
129816	Rowdy.	Lunenburg.	Sloop.	1910	Lunenburg, N.S.	21 6	7 8	3 6	4	F. Homer Zwickler, Lunenburg, N.S.
106539	Rowena.	Digby.	Schr—Glt.	1891	Digby, N.S.	35 0	12 2	5 2	10	Orlin Spradell, <i>et al.</i> , Digby, N.S.
79994	Roxana.	St. John, N.B.	Schr—Glt.	1879	Canning, N.B.	73 6	25 6	6 6	84	Mrs. A. P. Ward, Stockville, N.B.
11835	Roxana.	Yarmouth.	Sloop.	1899	Pubnico, N.S.	32 5	10 6	5 5	11	Ainslie Titus, Westport, N.S.
121653	Ruby.	Chatham, N.B.	Schr—Glt.	1904	Tusket West, N.S.	33 4	10 6	6 0	10	Geo. Boudreau, Tusket Wedge, N.S.
116975	Ruby.	Quebec.	Barge—Chd.	1905	Parrsboro, N.S.	59 8	22 0	6 2	53	A. Longtin, <i>et al.</i> , J. O. Dalloussie, N.B.
107500	Ruby.	Quebec.	Sloop.	1897	St. Simons, Que.	37 2	15 5	4 4	14	Henry Steward, St. Simons, Que.
100090	Ruby.	St. John, N.B.	Schr—Glt.	1880	Greenwich, N.B.	40 5	14 7	4 8	12	P. F. Ouelvis, Parrsboro, N.S.
100773	Rupert.	Chatham, N.B.	Schr—Glt.	1892	Caraquet, N.B.	36 4	12 6	4 8	15	P. F. Ouelvis, Caraquet, N.B.
103272	Russel.	Chatham, N.B.	Schr—Glt.	1894	Missou, N.B.	36 2	12 4	4 8	10	J. M. Ward, Missou, N.B.
122621	Rustie.	Chatham, N.B.	Schr—Glt.	1907	Rexton, N.B.	33 0	11 0	4 6	10	Jacob M. Hebert, Shediac, N.B.

SESSIONAL PAPER No. 22

107779	Ruth	Chatham, N. B.	Barge—Chd.	1875	Lilliesand, Norway	1138 0	30 0	17 0	40	(The Dominion Coal Co., Ltd., Sydney, N.S.
138550	Ruth, D. Adams	Lanenburg, N. B.	Schr—Glt	1917	Chester Basin, N.S.	108 4	26 2	10 4	100	William Duff, M.O., Lanenburg, N.S.
96727	Ryse	Chatham, N. B.	Schr—Glt	1889	Shippigan, N.B.	36 2	12 3	4 6	11	Sinai Ache, Shippigan, N.B.
116771	S. 1.	Vancouver	Sew—Chd.	1903	Vancouver, B.C.	43 0	22 7	3 7	28	Albert F. Stevens, Moodyville, B.C.
116772	S. 2.	Vancouver	Sew—Chd.	1902	Vancouver, B.C.	50 0	19 0	3 0	21	Albert F. Stevens, Moodyville, B.C.
116773	S. 3.	Vancouver	Sew—Chd.	1890	Vancouver, B.C.	47 0	22 3	3 7	28	Albert F. Stevens, Moodyville, B.C.
107900	S. B.	St. Andrews	Sloop	1880	St. John, N.B.	30 0	11 3	5 0	12	Shadrack Bonart, Grand Manan, N.B.
134100	S. E. W. No. 1.	Vancouver	Sew—Chd.	1910	Seattle, Wash., U.S.A.	55 0	23 0	4 6	41	Standard Electric Welding Co., Ltd., Vancouver, B.C.
116952	S. O. Co. No. 41.	Sarnia	Barge—Chd.	1903	Pt. Richmond, U.S.A.	156 6	30 0	12 0	484	The Imperial Oil Co., Ltd., Sarnia, Ont.
140974	S. P. R. No. 1.	New Westminster.	Sew—Chd.	1912	New Westminster, B.C.	83 0	28 1	6 9	192	Mrs. Isabella Stead and Robert Parsons, New Westminster, B.C.
140975	S. S. P. No. 3.	New Westminster.	Sew—Chd.	1912	New Westminster, B.C.	79 0	25 8	6 9	121	Robert Parsons and Mrs. Isabella Stead, New Westminster, B.C.
132451	S. S. & G. No. 1.	Vancouver	Dredge—Drague	1907	Sapperton, B.C.	94 0	32 3	8 0	212	Vancouver Gas Co., Ltd., Vancouver, B.C.
132452	S. T. Co. No. 1.	St. John, N. B.	Schr—Glt	1913	Salmon River, N.B.	170 6	38 9	12 6	565	Manrier H. Tuffs, Salmon River, N.B.
132481	S. T. Co. No. 3.	St. John, N. B.	Schr—Glt	1908	Great Salmon River, N.B.	173 3	38 5	12 6	623	Manrier H. Tuffs, Salmon River, N.B.
117237	S. V. H.	Augustopolis Royal	Schr—Glt	1900	Dixby, N.S.	67 8	20 3	6 5	40	Harmon Irving, Dixby's Bay, N.S.
117238	S. B. Millard	Yarmouth	Schr—Glt	1905	Palmer, N.S.	42 0	14 7	7 5	20	The Yarmouth Trading Co., Ltd., Yarmouth, N.S.
130357	S. D. Rowland	Acadia	Schr—Glt	1911	French Cove, N.S.	31 0	12 0	5 6	61	Anna C. Bondro, Indigo, N.S.
120134	S. M. Columbus	Halifax	Schr—Glt	1908	Shaburne, N.S.	73 0	27 0	9 6	61	John Hayes, M.O., Halifax, N.S.
134339	S. McN. L. Dorrick	Montreal.	Sew—Chd.	1914	Sorel, Que.	96 5	27 6	4 0	81	The Sincennes-McNaughton Line, Ltd., Montreal, Que.
137630	Sabine.	St. Andrews	Schr—Glt.	1855	Parisboro, N.S.	53 2	19 8	8 0	50	Joseph Bennett, Boston, Mass., U.S.A.
74139	Sadie.	Halifax	Schr—Glt.	1876	La Have, N.S.	58 0	19 3	7 5	43	Isaiah Fongden, Larry's River, N.S.
138825	Sadie A. Knekle.	Lanenburg	Schr—Glt	1876	La Have, N.S.	112 2	25 8	10 4	92	Samuel Knekle, M.O., Lanenburg, N.S.
122507	Sadie H.	Lanenburg	Schr—Glt	1907	Fanook, N.S.	45 8	12 8	6 6	11	H. H. Babson, Fort Dufrain, N.S.
92008	Sadie M.	Sydney, N.S.	Schr—Glt	1889	Ingonish, N.S.	32 0	12 9	5 3	11	W. McLeod, Ingonish, N.S.
130900	Sadie No. 1.	Victoria	Barge—Chd	1912	Victoria, B.C.	46 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
133681	Sadie No. 2.	Victoria	Barge—Chd	1912	Victoria, B.C.	40 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
111771	Sadie No. 3.	Victoria	Barge—Chd	1901	Vancouver, B.C.	40 0	32 0	6 6	108	Victoria Tug Co., Ltd., Victoria, B.C.
134637	Sadie No. 4.	Victoria	Barge—Chd	1913	Victoria, B.C.	40 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
116910	Sadie No. 5.	Victoria	Barge—Chd	1904	Vancouver, B.C.	30 0	32 0	6 6	108	Victoria Tug Co., Ltd., Victoria, B.C.
133682	Sadie No. 6.	Victoria	Barge—Chd	1910	Victoria, B.C.	38 0	32 0	8 0	204	Victoria Tug Co., Ltd., Victoria, B.C.
133683	Sadie No. 7.	Victoria	Barge—Chd	1910	Victoria, B.C.	38 0	32 0	8 0	204	Victoria Tug Co., Ltd., Victoria, B.C.
133684	Sadie No. 8.	Victoria	Barge—Chd	1911	Victoria, B.C.	42 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
133685	Sadie No. 9.	Victoria	Barge—Chd	1911	Victoria, B.C.	39 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
133691	Sadie No. 10.	Victoria	Barge—Chd	1911	Victoria, B.C.	39 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
133692	Sadie No. 11.	Victoria	Barge—Chd	1911	Victoria, B.C.	39 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
133777	Sadie No. 12.	Victoria	Barge—Chd	1913	Victoria, B.C.	39 0	32 0	8 0	183	Victoria Tug Co., Ltd., Victoria, B.C.
134638	Sadie No. 14.	Victoria	Barge—Chd	1912	Victoria, B.C.	83 6	32 0	7 5	191	Victoria Tug Co., Ltd., Victoria, B.C.
92361	Sadie O. Holmes	Annapolis Royal	Schr—Glt	1887	Gibson, N.B.	80 6	26 8	8 0	56	A. W. Feutzsch, M.O., Isaac's Harbour, N.S.
40493	Sadie Purpel	Halifax	Schr—Glt	1892	Victoria, B.C.	76 0	20 5	7 4	56	Mrs. H. A. Ball, Heriot Bay, B.C.
74335	Sadie	Halifax	Schr—Glt	1877	Tasquet, N.S.	60 5	18 2	6 1	35	David Donette, Cheticamp, N.S.
116224	Sageunay	Quebec	Schr—Glt	1903	Les Escoumains, Que.	74 4	25 9	7 7	81	Alfred Moffatt, Les Escoumains, Que.
121928	St. Adolphe B. B.	Quebec	Schr—Glt	1906	Ile-aux-Canotiers, Que.	47 2	15 8	5 7	25	Alphonse Dogaig, Ile-aux-Canotiers, Que.
69982	Saint Annes	Halifax	Schr—Glt	1874	Chezetook, N.S.	49 8	16 9	7 3	38	W. H. Mitchell, Jeddore, N.S.
138133	St. Albert	Halifax	Schr—Glt	1915	Petite Riviere, Que.	74 6	23 4	6 3	67	David Tromblay, Mille Valiers, Que.
121921	St. Alexis	Quebec	Schr—Glt	1906	Grande Baie, Que.	68 0	21 0	6 6	32	David St. Gerhis, Escoumains, Que.
103361	St. Alfred	Quebec	Sloop	1900	Portmout, Que.	35 8	17 0	4 6	24	Louis Harvey, Isle-aux-Canotiers, Que.
163615	St. Alfred	Quebec	Sloop	1895	Chateau Richer, Que.	36 6	16 2	4 3	24	T. Bois, St. Simon, Que.
116172	St. Andre	Quebec	Sloop	1894	St. Alphonse, Que.	38 6	15 4	5 3	20	Eloi Peduault, Isle aux Canotiers, Que.
116773	St. Anne	Chatham, N. B.	Schr—Glt	1904	Lamack, N.B.	39 0	13 2	5 0	15	Wm. Frung & Co., Ltd., Jersey, C.I.
100363	St. Antoine	Quebec	Schr—Glt	1901	Shippigan, N.B.	44 0	12 9	5 8	14	Ouesime Chausson, Shippigan, N.B.
112026	St. Antoine	Quebec	Barge—Chd	1891	St. Croix, Que.	85 6	22 4	6 6	85	B. Charland, St. Jean Deschailbons, Que.
10858	St. Antoine	Quebec	Schr—Glt	1901	Leclereville, Que.	83 4	23 3	7 2	98	Antoine Morneau, Leclereville, Que.
				1895	Chateau Richer, Que.	64 7	21 0	7 6	51	P. Gosselin, Chateau Richer, Que.

*Formerly "Dolphin." †Formerly "Genesta." ‡Formerly "Forest Belle."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Reg. Gréement.	Built—(Constructé en	Where Built. Lieu de construction.	Length in feet and Inchs. Longueur en pieds et Inchs.	Breadth in feet and Inchs. Largeur en pieds et Inchs.	Depth in feet and Inchs. Profondeur en pieds et Inchs.	Registered Tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107502	St. Antoine	Quebec	Sloop	1898	St. Siméon, Que.	32 1	11 2	1 4	12	A. Veziou, St. Siméon, Que.
107503	St. Antoine	Quebec	Schr—Gh	1899	Cape Island, Que	39 8	16 4	5 4	22	Wilfred Vezina, Cape Island, Que.
116214	St. Antoine	Quebec	Schr—Gh	1902	Les Eboulements, Que	59 4	18 0	5 2	32	Solomon Tremblay, Les Eboulements, Que.
111488	St. Antoine	Quebec	Schr—Gh	1900	St. Fidélité, Que.	72 0	20 6	6 8	54	J. T. Alexis, et al., St. Amé de Cléroutain, Que.
110703	St. Antoine	Quebec	Schr—Gh	1903	Les Eboulements, Que.	58 0	18 1	5 4	31	Arthur Tremblay, Les Eboulements, Que.
121667	St. Antoine	Quebec	Sloop	1906	L'Islet, Que.	51 0	17 8	4 9	235	Charles Merer, Montmagny, Que.
107579	St. Antoine de Padoue	Quebec	Schr—Gh	1900	La Petite Rivière, St. François Xavier, Que	71 4	22 0	6 4	58	Alfred Bouchard, Petite Rivière, Co, Charlevoix, Qm.
111792	Saint Anbin	Port Hawkesbury	Schr—Gh	1903	Cheticamp, N.S.	37 8	22 1	5 9	15	Robin, Jones & Whitman, Ltd., Halifax, N.S.
107510	St. Bernard	Weymouth	Schr—Gh	1903	St. Bernard, N.S.	47 0	15 7	6 2	24	Robert Wilson, et al., Charlesville, N.S.
111486	St. Céaire	Quebec	Schr—Gh	1900	Isle aux Courees, Que	70 0	23 9	7 2	65	Lazard Michaud, M.O., Trois Pistoles, Que.
107576	St. Charles	Quebec	Sloop	1899	Green Island, Que.	38 0	14 8	4 4	16	Adolphe Fraser, Green Island, Que.
103131	St. Charles	Quebec	Sloop	1893	L'Islet, Que.	30 8	13 6	4 2	16	Pluchine Moreault, L'Islet, Que.
131110	St. Charles de la Malbaie	Quebec	Yawl—Yawl	1911	Malbaie, Que.	75 4	21 0	6 7	51	Charles Gagnon, Malbaie, Que.
71210	St. Clair	Chartham, Ont.	Schr—Gh	1875	Sophiasburgh, Ont.	82 0	21 0	8 0	101	Peter Haggblom, Port Barwell, Ont.
130786	St. Clements	Port Hawkesbury	Schr—Gh	1912	Eastern Harbour, N.S.	17 0	12 3	6 1	12	Robin, Jones & Whitman, Ltd., Halifax, N.S.
116880	Saint Dominique	Arichat	Schr—Gh	1901	Ptite de Grand, N.S.	47 0	13 0	6 9	21	Charles Fongere and Hubert Dorian, J.O., Port Felix, N.S.
116717	St. Donat	Quebec	Schr—Gh	1905	St. Croix, Que.	82 6	21 8	6 8	75	Eugene Groulx, (filis) Groulx, Que.
100863	St. Edouard	Quebec	Schr—Gh	1893	St. Siméon, Que.	58 6	18 0	5 0	25	C. Gagnon, St. Siméon, Que.
100368	St. Edouard	Quebec	Barge—Chd	1892	Gaspé, Que.	105 8	22 9	7 3	134	Philippe Carrette, St. Jean Deschallions, Que.
122180	St. Elzéar	Quebec	Sloop	1907	St. Estienne, Que.	68 6	23 5	5 6	57	Maurice Dézagné, Les Eboulements, Que.
92751	St. Etienne	Quebec	Schr—Gh	1888	Tadoussac, Que.	51 8	20 9	5 6	49	Auguste Collé, Grande Baie, Que.
97135	St. François	Quebec	Sloop	1890	L'Islet, Que.	48 0	16 8	1 8	19	E. T. Dumond, Tadoussac, Que.
107230	St. François	Quebec	Sloop	1908	St. Siméon, Que.	41 6	14 3	4 6	17	J. Posler, St. Siméon, Que.
80747	St. François Xavier	Quebec	Schr—Gh	1878	Mtée Vachels, Que.	56 1	17 5	6 0	34	Alfred Renaud, La Petite Rivière, St. François Xavier, Que.
121927	St. François Xavier	Quebec	Sloop	1906	Rivière François, Que.	68 4	22 9	5 4	39	Thomas Lavoie, M.O., Rivière St. François, Que.
112021	St. George	Quebec	Barge—Chd	1900	Nicolet, Que.	97 2	22 8	7 2	116	Achille Lavigne, St. Paul l'Érmitte, Que.
97123	St. George	Quebec	Barge—Chd	1902	St. Amé, Que.	79 2	22 8	6 5	83	Joséph Caron, St. Louis de Bonsecours, Que.
111625	St. George	Quebec	Sloop	1886	St. Thomas, Que.	52 8	16 4	5 4	26	Narcisse Goffin, Montmagny, Que.
111625	St. George	Quebec	Sloop	1901	Les Eboulements, Que	32 8	10 1	5 0	10	George Gagné, Les Eboulements, Que.
110701	St. George	Quebec	Barge—Chd	1901	St. Jean Deschallions, Que.	63 6	16 9	4 8	37	Alexandre Hamel, St. Jean Deschallions, Que.
111612	St. George	Quebec	Sloop	1901	La Petite Rivière, St. François Xavier, Que.	51 0	18 6	5 2	30	Eugene Dufour, Petite Rivière, St. François Xavier, Que.
103364	St. George	Quebec	Sloop	1891	Chateau Richer, Que.	60 0	20 6	5 7	43	F. Sinaud, Chateau Richer, Que.

SESSIONAL PAPER No. 22

82253	St. George	St. John, N.B.	1879	Westfield, N.B.	55 5	17 9	2 2	26	C. E. Belyen, St. John, N.B.	Zeonon Castonguay, River Blancue, Que.
126031	Schr—Glt.	Quebec	1911	Bas-St. Paul, Que.	75 3	21 4	6 7	69	Richard T. Smail Ltd., North Sydney, N.S.	Richard T. Smail Ltd., North Sydney, N.S.
103320	Schr—Glt.	Londonburg	1896	Londonburg, N.S.	71 8	25 8	3 3	12	Robln, Jones & Whitman, Ltd., Halifax, N.S.	Robln, Jones & Whitman, Ltd., Halifax, N.S.
107191	Schr—Glt.	Port Hawkesbury	1900	Eustace Harbour, N.S.	35 1	11 9	6 0	29	P. Tremblay, Isle aux Coudres, Que.	P. Tremblay, Isle aux Coudres, Que.
111623	Schr—Glt.	Quebec	1908	Bas-St. Paul, Que.	70 4	20 3	5 6	68	Jules Tremblay, Les Ebolements, Que.	Jules Tremblay, Les Ebolements, Que.
121926	Schr—Glt.	Quebec	1865	Grandes Bergeronnes, Que.	83 0	22 4	3 6	63	Jean Lemay, St. Jean Deschallons, Que.	Jean Lemay, St. Jean Deschallons, Que.
111469	Schr—Glt.	Quebec	1906	Les Ecouleux, Que.	70 2	20 6	4 2	12	Arthur Deschamps, Tadoussac, Que.	Arthur Deschamps, Tadoussac, Que.
131002	Schr—Glt.	Chatham, N.B.	1901	Shippigan, N.B.	107 1	33 0	5 2	91	The Beaver Dredging Co., Ltd., St. John, N.B.	The Beaver Dredging Co., Ltd., St. John, N.B.
112167	Schr—Glt.	St. John, N.B.	1903	Carapac, N.B.	115 1	48 4	11 0	10	R. Glomet, Caraquet, N.P.	R. Glomet, Caraquet, N.P.
103008	Schr—Glt.	Chatham, N.B.	1913	Shippigan, N.B.	33 0	12 3	5 0	17	Eugene H. Gauvin, Shippigan, N.B.	Eugene H. Gauvin, Shippigan, N.B.
907233	Schr—Glt.	Chatham, N.B.	1887	Shippigan, N.B.	39 0	16 0	6 1	24	John H. Beaver, Pleasant Harbour, N.S.	John H. Beaver, Pleasant Harbour, N.S.
833351	Schr—Glt.	Quebec	1881	Margerie, N.S.	49 0	16 0	7 1	13	J. Peron, Les Ebolements, Que.	J. Peron, Les Ebolements, Que.
92250	Schr—Glt.	Quebec	1888	Isle Verte, Que.	45 5	15 1	3 5	60	Fritz Parrot, Leclercville, Que.	Fritz Parrot, Leclercville, Que.
100887	Schr—Glt.	Quebec	1888	St. Yedre, Que.	77 4	22 6	6 0	19	A. Hamel, St. Jean Deschallons, Que.	A. Hamel, St. Jean Deschallons, Que.
103353	Schr—Glt.	Quebec	1888	Isle aux Coudres, Que.	47 6	15 6	4 8	22	A. Baily, St. Louis, Isle aux Coudres, Que.	A. Baily, St. Louis, Isle aux Coudres, Que.
103826	Schr—Glt.	Quebec	1865	St. Jean Deschallons, Que.	56 4	17 2	2 2	11	E. Himbeault, Chateau Richer, Que.	E. Himbeault, Chateau Richer, Que.
103840	Schr—Glt.	Quebec	1865	St. Jean Deschallons, Que.	56 4	17 2	2 2	11	E. Himbeault, Chateau Richer, Que.	E. Himbeault, Chateau Richer, Que.
103850	Schr—Glt.	Quebec	1865	St. Jean Deschallons, Que.	56 4	17 2	2 2	11	E. Himbeault, Chateau Richer, Que.	E. Himbeault, Chateau Richer, Que.
107292	Schr—Glt.	Quebec	1897	Chateau Richer, Que.	98 0	22 9	6 0	46	Edouard Gagnon, M.O., St. Fulgence, Que.	Edouard Gagnon, M.O., St. Fulgence, Que.
111481	Sloop.	Quebec	1900	St. Siméon, Que.	64 6	20 5	5 0	36	Thomas Tremblay, Rivière St. Francois, Que.	Thomas Tremblay, Rivière St. Francois, Que.
107234	Sloop.	Quebec	1898	La Petite Rivière, St. Francois Xavier, Que.	59 4	20 4	5 0	28	Nelson Blanchette, Cap St. Ignace, Que.	Nelson Blanchette, Cap St. Ignace, Que.
111622	Sloop.	Quebec	1898	St. Jean Port Joli, Que.	19 8	18 2	5 6	53	Alfred Tremblay, Grandes Bergeronnes, Que.	Alfred Tremblay, Grandes Bergeronnes, Que.
85167	Schr—Glt.	Quebec	1882	Grands Bergeronnes, Que.	71 2	20 8	6 4	70	Joseph Ouellet, St. Germain de Rimouski, Que.	Joseph Ouellet, St. Germain de Rimouski, Que.
97128	Schr—Glt.	Quebec	1886	Rimouski, Que.	75 2	21 0	7 1	28	Arthur Leclerc, M.O., St. André de Kamouraska, Que.	Arthur Leclerc, M.O., St. André de Kamouraska, Que.
116704	Sloop.	Quebec	1904	L'Islet, Que.	51 0	19 6	5 2	50	Germain Lavoie, Petite Rivière, St. Francois Xavier, Que.	Germain Lavoie, Petite Rivière, St. Francois Xavier, Que.
107737	Dredge—Drague	Kingston	1890	Petite Rivière St. Francois Xavier, Que.	67 2	20 8	6 3	125	Michael McAuliff, et al., J.O., Welland, Ont.	Michael McAuliff, et al., J.O., Welland, Ont.
102461	Schr—Glt.	Arichat	1899	Corwall, Ont.	90 2	30 1	6 0	31	Alexander Peters, L'Ardoise, N.S.	Alexander Peters, L'Ardoise, N.S.
75656	Schr—Glt.	Kingston	1877	L'Ardoise, N.S.	35 9	10 2	5 3	334	Miss Jane Thompson Patterson, Kingston, Ont.	Miss Jane Thompson Patterson, Kingston, Ont.
50937	Bkg—Bkg.	Quebec	1877	St. Catharines, Ont.	127 7	26 2	11 9	73	Jos. Chénard, Ste. Emélie, Que.	Jos. Chénard, Ste. Emélie, Que.
107196	Sloop.	Quebec	1869	St. Emélie, Que.	94 0	20 0	5 7	13	L. Dufoir, St. Siméon, Que.	L. Dufoir, St. Siméon, Que.
100382	Sloop.	Quebec	1887	St. Siméon, Que.	37 0	13 0	4 0	23	Alphe Bergeron, M.O., Isle aux Coudres, Que.	Alphe Bergeron, M.O., Isle aux Coudres, Que.
121691	Schr—Glt.	Quebec	1891	Isle aux Coudres, Que.	53 4	15 4	5 8	103	Joseph Bouillon, Rimouski, Que.	Joseph Bouillon, Rimouski, Que.
103723	Schr—Glt.	Montreal	1905	Bas-St. Paul, Que.	77 0	24 6	6 6	272	Stewart T. Saltor, M.O., Parrishboro, N.S.	Stewart T. Saltor, M.O., Parrishboro, N.S.
121673	Schr—Glt.	Montreal	1886	Laetline, Que.	96 6	20 0	6 6	34	Eloi Boudiard, La Petite Rivière St. Francois, Que.	Eloi Boudiard, La Petite Rivière St. Francois, Que.
134453	Schr—Glt.	Quebec	1906	Port Greenville, N.S.	119 9	31 3	11 3	66	Timothy Harvey, M.O., Bay St. Paul, Que.	Timothy Harvey, M.O., Bay St. Paul, Que.
134139	Schr—Glt.	Quebec	1891	La Petite Rivière, Que.	50 0	18 8	5 4	40	R. Belfontaine, Port Felix, N.S.	R. Belfontaine, Port Felix, N.S.
108600	Schr—Glt.	Quebec	1908	Chateau Richer, Que.	79 2	28 0	8 1	16	J. White, Alberton, P.E.I.	J. White, Alberton, P.E.I.
83006	Schr—Glt.	Canso	1901	Trois Pistoles, Que.	67 6	20 2	5 7	36	A. Desbrien, Isle aux Coudres, Que.	A. Desbrien, Isle aux Coudres, Que.
75676	Schr—Glt.	Chatham, N.B.	1884	Port Felix, N.S.	43 0	13 2	7 6	65	Paul Joly, Ste. Anne de Soré, Que.	Paul Joly, Ste. Anne de Soré, Que.
122065	Sloop.	Quebec	1894	Margauve, N.S.	41 2	13 9	5 7	56	Cyrille Levesque, Green Island, Que.	Cyrille Levesque, Green Island, Que.
111630	Sloop.	Montreal	1877	Rivière du Loup, Que.	54 2	18 5	5 9	121	Adolphe Aché, Shippigan, N.B.	Adolphe Aché, Shippigan, N.B.
107776	Schr—Glt.	Quebec	1898	St. Thomas de Pierreville, Que.	88 5	20 3	5 1	180	Jos. Durand, Champlain, Que.	Jos. Durand, Champlain, Que.
82537	Schr—Glt.	Chatham, N.B.	1901	Bas-St. Paul, Que.	66 6	24 6	6 2	55	Simpson Brothers, Co., Ltd., Montreal, Que.	Simpson Brothers, Co., Ltd., Montreal, Que.
107800	Dredge—Drague	Quebec	1900	Shippigan, N.B.	39 0	12 6	5 0	110	Edgard Tremblay, Ancé St. Jean, Que.	Edgard Tremblay, Ancé St. Jean, Que.
103824	Schr—Glt.	Montreal	1881	St. Thomas de Pierreville, Que.	100 0	22 5	7 4	32	Miss Melina Robillard, Lanoré, Que.	Miss Melina Robillard, Lanoré, Que.
103594	Schr—Glt.	Montreal	1889	Three Rivers, Que.	79 2	28 0	8 1	32	A. Tremblay, Grandes Bergeronnes, Que.	A. Tremblay, Grandes Bergeronnes, Que.
103851	St. Koel.	Quebec	1896	St. Fulgence, Que.	66 6	21 2	6 6	32		
			1894	Pierreville, Que.	107 9	22 8	7 9			
			1897	Grandes Bergeronnes, Que.	57 0	19 0	4 8			

*Foreign name "Boston."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

① Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'enregistrement.	Rig. Craquement.	Built—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
122062	St. Roumald	Montreal	Sloop	1906	Notre Dame de Pierre-Ville, Que.	109 7	23 6	7 7	138	Ernest Lizotte, Pierreville, Que.
120669	St. Sauveur	Chatham, N.B.	Schr—Glt	1912	Lamack, N.B.	37 5	14 0	6 5	18	Esac Chisson, Lamack, N.B.
134338	St. Simon	Chatham, N.B.	Schr—Glt	1914	St. Simon, N.B.	38 5	13 8	5 6	16	Pluteron Chisson, St. Simon, N.B.
134019	St. Stanislas	Quebec	Saw—Yole	1907	Lothbère, Que.	70 7	23 2	8 3	54	Xavier Marion, Lothbère, Que.
107318	St. Stephen	Halifax	Schr—Glt	1899	Port Felix, N.S.	47 5	12 7	6 8	19	Edgar M. Peters, et al., Port Morien, N.S.
111902	St. Thomas	Archieat	Schr—Glt	1901	Rockdale, N.S.	30 0	11 0	5 6	10	Thomas Pottic, Rockdale, N.S.
112941	St. Thomas	Quebec	Sloop	1902	Montnaguy, Que.	62 4	19 5	5 7	37	Emile Poirmer, L'Islet, Que.
138314	St. Zéphir	Quebec	Schr—Glt	1917	Petite Rivière St. François, Que.	76 0	25 0	6 8	81	Amable Lavoie, Petite Rivière St. François, Que.
107225	St. Alphonsine	Quebec	Schr—Glt	1897	Clareau Richer, Que.	59 0	18 6	8 1	44	P. Simard, Clareau Richer, Que.
117187	St. Anne	Chatham, N.B.	Schr—Glt	1906	Shippigan Island, N.B.	37 0	13 3	5 4	13	Jean P. Noel, Shippigan Island, N.B.
88319	St. Anne	Quebec	Schr—Glt	1883	St. Antoine, Que.	34 6	13 5	5 3	14	V. Vézina, Crano Island, Que.
92729	St. Anne	Quebec	Schr—Glt	1878	Betchouan, Que.	45 0	16 2	6 5	30	Lazaro Michaud, Isle Verte, Que.
92765	St. Anne	Quebec	Schr—Glt	1886	Bon Désir, Que.	48 8	16 8	6 4	28	J. Truchon, Bon Désir, Que.
116216	St. Anne	Quebec	Schr—Glt	1901	Manoouagan, Que.	54 6	17 4	6 8	40	Bon. E. Goudreau, Manoouagan, Que.
103149	St. Anne	Quebec	Schr—Glt	1898	Isle aux Coudres, Que.	55 0	18 2	6 8	36	Adelard Poirmer, St. Jean, Port Joli, Que.
107601	St. Anne	Quebec	Schr—Glt	1899	St. Irénée, Que.	83 4	23 7	9 2	102	Célestin Lapoin, St. Irénée, Que.
107677	St. Anne	Quebec	Schr—Glt	1899	Moisie River, Que.	41 2	13 6	6 6	122	Leon Collin, St. Antoine de Tilley, Que.
103852	St. Anne	Quebec	Barge—Chd.	1895	Les Eboulements, Que.	96 6	25 1	7 2	31	A. Tremblay, Les Eboulements, Que.
107231	St. Anne	Quebec	Schr—Glt	1897	Manoouagan, Que.	35 6	12 4	5 4	13	M. Chouinard, Manoouagan, Que.
122255	St. Anne	Quebec	Schr—Glt	1906	St. Anne de la Pocatière, Que.	49 4	16 5	6 4	28	Auguste Lafraize, St. Anne de la Pocatière, Que.
103973	St. Augustine	Quebec	Schr—Glt	1896	Standy Bay, Que.	36 4	12 8	5 0	13	Joseph Harvey, et al., Isle aux Coudres, Que.
117189	St. Cecilia	Chatham, N.B.	Schr—Glt	1906	Shippigan Island, N.B.	37 0	12 8	5 4	13	Mrs. Gélis Aclie, Lamack, N.B.
120337	St. Croix	Quebec	Sloop	1902	La Petite Rivière, Que.	65 4	20 2	5 6	44	Stanley Gauthier, St. Irénée, Que.
107697	St. Croix	Quebec	Schr—Glt	1899	St. Croix, Que.	77 2	21 4	6 2	63	Eugène Bossé, Lothbère, Que.
123951	St. Julie	Chatham, N.B.	Schr—Glt	1906	Shippigan Island, N.B.	37 0	13 0	5 3	17	Orelayo P. Noel, Shippigan Island, N.B.
123031	St. Marie	Quebec	Schr—Glt	1902	Manoouagan, Que.	58 8	18 4	7 0	47	Etienne Landry, Manoouagan, Que.
92334	St. Marie	Quebec	Schr—Glt	1896	Moisie, Que.	60 0	20 6	7 8	53	Wilfrid Guimond, St. Jérôme de Matane, Que.
107508	St. Marie	Quebec	Barge—Chd.	1898	Moisie, Que.	95 0	23 2	7 5	107	Arthur Talon, St. Siméon, Que.
88305	St. Marie	Quebec	Schr—Glt	1898	St. Siméon, Que.	58 0	20 2	5 4	41	Wm. Savard, St. Siméon, Que.
88305	St. Marie Anne	Quebec	Schr—Glt	1894	Clareau Richer, Que.	70 6	19 4	6 4	51	Zéphirin Rivéame, Clateau Richer, Que.
134010	St. Urbain	Chatham, N.B.	Schr—Glt	1914	Lamack, N.B.	41 0	14 3	6 4	21	Joseph F. and Adolphe Aclie, J.O., Lamack, N.B.
126312	Sakotis	Barrington Passage	Sloop	1908	Clarke's Harbour, N.S.	33 0	12 0	5 7	11	Benjamin Newell, West Head, Cape Island, N.S.
138515	San Lucas	Quebec	Schr—Glt	1915	Tadoussac, Que.	52 1	26 7	6 6	83	Theodore Pinze, Matane, Que.

SESSIONAL PAPER No. 22

120763	Sand Roy	Kingstoon	1912	Kingston, Ont.	32	22	8	6	0	82	Grant Pike, Wolfe Island, Ont.
97015	Sand Ry	St. Catharines	1885	Montreal, Que.	49	20	0	3	1	103	W. Ifland, Port Dalhousie, Ont.
140043	Sand Washer No. 4	Montreal	1918	U.S.A.	64	23	9	4	2	283	Canadian Sand & Gravel Co., Ltd., Montreal, Que.
120039	Sangle	Charlottetown	1910	River John, N.S.	42	13	7	4	9	13	John L. and Gordon Robison, River John, N.S.
88236	Sara	Quebec	1884	St. Laurent, Island of Orleans, Que.	28	5	0	4	0	8	Adelard Patry, Beaumont, Que.
100007	Sarah	Chatham, N.B.	1890	Caraquet, N.B.	38	1	3	0	4	40	Mrs. Sarah Young and F. T. B. Young, J.O., Caraquet, N.B.
71136	Sarah	Port Burwell	1871	Port Dover, Ont.	73	3	19	4	6	63	C. Graham, Kincaidine, Ont.
64511	Sarah	St. John, N.B.	1871	U.S.A.	47	0	15	0	7	23	James Cosman, Meteghan River, N.S.
102011	Sarah B.	Halifax	1889	Caraquet, N.B.	36	5	12	4	5	10	J. Le Bouthiller, Caraquet, N.B.
100107	Sarah C.	Liverpool	1870	Davenport, N.S.	38	13	5	3	6	12	J. Hawboldt, Chester, N.S.
94756	Sarah D.	St. John, N.B.	1889	Baxter's Harbour, N.S.	42	15	3	1	9	19	James H. W. Patterson, Five Islands, N.S.
82783	Sarah E.	St. John, N.B.	1883	Lockport, N.S.	80	0	23	0	8	95	Albert Garnier, St. George's Bay, Nfld.
73689	Sarah F.	St. Catharines	1872	Port Robinson, Ont.	131	0	24	5	9	34	J. S. Nesbitt, Sarnia, Ont.
100289	Sarah G.	Halifax	1872	Port Rodney, Ont.	48	0	17	4	7	0	Frederick Young, West Arichat, N.S.
103232	Sarah H.	St. John, N.B.	1892	Black River, N.B.	69	0	23	0	5	77	R. P. & W. F. Starr, Ltd., St. John, N.B.
122041	Sarah M.	Halifax	1892	St. Margaret's Bay, N.S.	38	2	12	5	5	74	Hezekiah Wambold, Indian Harbour, N.S.
122251	Sarsfield	Quebec	1907	Bay St. Paul, Que.	121	6	32	0	7	249	Manitoba Transport Co., Ltd., Winnipeg, Man.
88245	Saskatchewan	Winnipeg	1882	Winnipeg, Man.	146	4	24	5	2	26	Domestic Bank of Commerce, Toronto, Ont.
88245	Saskatchewan	Winnipeg	1882	Winnipeg, Man.	146	4	24	5	2	26	Domestic Bank of Commerce, Toronto, Ont.
17190	Saturn	St. Andrews	1800	Keenankank, Me., U.S.A.	48	8	15	9	5	20	Reed Brown, Grand Manan, N.B.
122048	Saucy Inc.	Chatham, N.B.	1906	New Brandon, N.B.	33	6	15	3	0	10	Romaine Blanchard, New Brandon, N.B.
122048	Saucy Inc.	St. Andrews	1906	West Isles, N.B.	28	0	11	7	6	0	Charles Green, West Isles, N.B.
122048	Saucy Inc.	Port Dover	1864	Sandusky Creek, O., U.S.A.	72	0	16	0	6	7	J. H. McDonald, Toronto, Ont.
120137	Sault au Monton	Montreal	1907	Les Escoumains, Que.	102	5	26	7	6	3	W. R. Charlton, Sault au Monton, Que.
103070	Savitar	St. John, N.B.	1895	Boston, Mass., U.S.A.	28	3	10	2	9	3	Frank W. Armstrong, et al., St. John, N.B.
103584	Saxon	Chatham, N.B.	1896	Shippagan, N.B.	37	12	2	4	8	13	Philip Rive, Caraquet, N.B.
100739	Sayward No. 1	Victoria	1893	Victoria, B.C.	78	0	27	5	6	101	Sayward Mill & Lumber Co., Ltd., Victoria, B.C.
112328	Scotia Queen	Farrsboro	1903	Fox River, N.S.	87	0	27	0	8	108	Hendry, Ltd., Halifax, N.S.
122171	Scout	Sydney, N.S.	1907	Port Hawkesbury, N.S.	24	6	9	3	0	3	Lionel O. P. Walsh, Sydney, N.S.
122171	Scout	Port Arthur	1907	Port Arthur, Ont.	98	0	19	0	7	0	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
122298	Scow No. 1	Montreal	1906	Montreal, Que.	109	0	28	0	7	1	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
122298	Scow No. 2	Montreal	1906	Montreal, Que.	109	0	28	0	7	1	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
122172	Scow No. 3	Port Arthur	1903	Port Arthur, Ont.	73	0	22	0	7	0	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
122289	Scow No. 4	St. Catharines	1903	Montreal, Que.	97	2	25	1	6	0	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
107947	Scow No. 5	St. Catharines	1901	Bufiled, N.Y., U.S.A.	89	5	34	2	0	282	Michael J. Hogan, Quebec, Que.
122270	Scow No. 6	Montreal	1906	Grenville, Que.	103	7	30	6	4	165	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
122401	Scow No. 7	Montreal	1906	Montreal, Que.	107	4	30	6	4	171	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
130684	Scow No. 8	Amherstburg	1892	Sault Ste. Marie, Ont.	111	6	26	7	0	208	John G. Mullen, Amherstburg, Ont.
122402	Scow No. 9	Montreal	1906	Montreal, Que.	109	2	29	4	6	174	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
122403	Scow No. 10	Montreal	1907	Montreal, Que.	109	6	29	0	6	175	The Montreal Sand & Gravel Co., Ltd., Montreal, Que.
138510	Scow No. 11	Montreal	1911	Montreal, Que.	108	2	27	6	5	185	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
140651	Scow No. 11	Montreal	1911	Montreal, Que.	108	1	27	9	0	187	Montreal Sand & Gravel Co., Ltd., Montreal, Que.
130685	Scow number Seven teen	Amherstburg	1906	Mantowoc, Wis., U.S.A.	100	3	26	0	8	232	John G. Mullen, Amherstburg, Ont.
112011	Scow No. 28	Port Arthur	1891	Duluth, Minn., U.S.A.	104	0	26	5	11	0	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
112012	Scow No. 29	Port Arthur	1891	Duluth, Minn., U.S.A.	104	0	26	5	11	0	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
112013	Scow No. 31	Port Arthur	1891	Duluth, Minn., U.S.A.	72	0	22	0	6	280	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
121710	Scow No. 36	Port Arthur	1905	Toronto, Ont.	24	5	32	2	10	5	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
121841	Scow No. 37	Port Arthur	1905	Toronto, Ont.	24	5	32	2	10	5	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
100039	Sea Bird	Chatham, N.B.	1892	Shippagan, N.B.	34	0	12	1	5	0	W. S. Loggie, Co., Ltd., Chatham, N.B.
97042	Sea Bird	Halifax	1869	Chicoutook, N.S.	38	2	15	7	8	17	Louis Murphy, Ship Harbour, N.S.
110939	Sea Bird	Kingston	1867	Battersea, B.C.	91	8	21	9	7	121	Mary A. Cameron, Pictou, Ont.
141104	Sea Bird	Victoria	1906	Masset, B.C.	36	0	12	0	7	0	John A. Murray, Prince Rupert, B.C.
126254	Sea Duck	Parrsboro	1918	Spoones Island, N.S.	48	0	17	0	6	29	Joshua Nuttall, New Saloon, N.S.
138655	Sea Fish	Chatham, N.B.	1908	Bathurst, N.B.	38	0	12	6	5	16	Edward P. Roy, Bathurst, N.B.
100901	Sea Flower	Chatham, N.B.	1916	Lower Caraquet, N.B.	35	0	12	4	7	0	Joseph D. Dorion, Caraquet, N.B.
100910	Sea Flower	Chatham, N.B.	1892	Caraquet, N.B.	37	0	12	7	5	0	Mrs. Sarah Young and F. T. B. Young, J.O., Caraquet, N.B.
100914	Sea Flower	Chatham, N.B.	1892	Caraquet, N.B.	36	0	12	2	5	3	Robbin, Jones & Whitman, Ltd., Halifax, N.S.

*Formerly "Latea Emma" - Foreign name "Rompi."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Grèvement.	Built—Construit en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
59222	Sea Flower.	St. John, N. B.	Schr—Glt.	1870	St. George, N. B.	34 0	12 4	5 0	11	James Thompson, Chance Harbour, N. B.
75724	Sea Foam.	Barrington Passage.	Schr—Glt.	1878	Salmon River, N. S.	70 7	23 0	8 5	75	Percy T. Pearson, Montague, P. E. I.
60926	Sea Foam.	Chatham, N. B.	Schr—Glt.	1890	Malpeque, P. E. I.	37 3	13 6	5 6	13	M. Lantaigne, Caraquet, N. B.
88284	Sea Foam.	St. Andrews	Schr—Glt.	1874	Beau Island, N. S.	33 4	12 0	5 3	15	Daniel Leavitt, St. George, N. B.
122943	Sea Fox.	Yarmouth	Sloop.	1898	West Isles, N. B.	28 0	12 8	6 0	14	Milford C. Kent, Grand Manan, N. B.
100314	Sea Hound	Yarmouth	Schr—Glt.	1892	Shelburne, N. S.	74 5	15 8	5 6	19	W. C. Newcombe, Hopewell Cape, N. B.
51969	Sea King	Liverpool	Schr—Glt.	1866	Tusket Wedge, N. S.	51 0	16 5	5 8	32	Mrs. Sophia McKenzie, Jordan Bay, N. S.
94747	Sea Mouse.	St. John, N. B.	Schr—Glt.	1888	Cambridge, N. B.	53 3	20 6	5 7	33	Leonard Martin and Isaac C. Prescott, Albert, N. B.
71308	Sea Pearl	Richibucto	Schr—Glt.	1890	Rexton, N. B.	32 2	12 2	4 6	10	John Doucette, Roxton, N. B.
107189	Sea Pink	Charlottetown	Schr—Glt.	1882	Lower Montague, P. E. I.	33 9	12 6	5 9	11	Angusme Bondeur, Lower Montague, P. E. I.
92513	Sea Queen	St. Andrews	Schr—Glt.	1878	Briar Island, N. S.	29 0	10 0	5 0	8	Alfred W. Wilcox, West Isles, N. B.
112390	Sea Skipper	Sydney, N. S.	Schr—Glt.	1891	Green Harbour, N. S.	60 2	19 4	7 0	36	Murdock N. McRae, Nyanza, N. B.
90616	Sea Star	Shelburne, N. B.	Schr—Glt.	1889	Shippigan, N. B.	32 6	12 8	4 8	11	James Enslow, St. Green Harbour, N. S.
96731	Sea Star	Quebec	Schr—Glt.	1877	Belouan, Que.	35 7	12 8	5 1	13	Joséph Savoy, Shippigan, N. B.
75680	Sea View	Charlottetown	Schr—Glt.	1906	Sea View, P. E. I.	57 4	19 5	5 0	52	Achille Gagnon, Malbaie, Que.
122982	Sea Wind	Charlottetown	Schr—Glt.	1875	St. Jean Descaillons, Que.	37 4	13 7	5 5	13	Stanford Pickering, M. O., Sea View, P. E. I.
74225	Seabird.	Quebec	Schr—Glt.	1880	Little Harbour, N. S.	80 8	22 8	8 5	104	Gaspard Dorion, Chateaux Richer, Que.
100255	Seafleece	Halifax	Sloop—Glt.	1884	Clark's Harbour, N. S.	37 0	12 4	6 0	12	Howard S. Munroe, White Head, N. S.
121684	Seaton I.	Halifax	Sloop—Glt.	1904	Chezzetook, N. S.	33 0	11 4	6 0	23	Nehemiah M. Smith, Clark's Harbour, N. S.
88220	Seaway.	St. John, N. B.	Schr—Glt.	1884	St. Martin's, N. B.	43 8	15 2	6 4	22	Gabriel Murphy, Chezzetook, N. S.
100085	Selma.	Montreal	Schr—Glt.	1892	Kingston, Ont.	71 3	23 2	6 2	60	Charles H. Gorham, Brown's Plains, N. B., and J. A. Elliott, Economy, N. S.
102097	Sellirk.	Yarmouth	Schr—Glt.	1894	Tusket Wedge, N. S.	183 3	34 5	17 0	719	Alphonse A. Larocque, Montreal, Que.
121878	Selma	Le Have	Sloop	1906	Shelburne, N. S.	35 0	11 3	7 0	14	Angus Cotman, M. O., Tusket Wedge, N. S.
138642	Selma	Chartham, N. B.	Schr—Glt.	1913	Shelburne, N. S.	106 3	26 2	9 0	40	Arthur Cresser, M. O., Le Have, N. S.
133913	Selma	Chartham, N. B.	Schr—Glt.	1913	Shelburne, N. S.	32 0	10 2	5 0	11	Arthymre T. Chasson, Shippigan, N. B.
102774	Semator	Chartham, N. B.	Schr—Glt.	1897	Chartham, N. B.	53 2	17 0	7 4	31	Charles E. King, Port Elaine, N. D.
85457	Sensad.	Quebec	Sloop.	1883	Quebec, Que.	60 0	19 7	5 7	38	Paul Barrette, Jr., Mille Vaches, Que.
100323	Sensad.	Yarmouth	Sloop—Glt.	1893	Pulnico, N. S.	78 2	22 9	8 4	85	Simson Boutiller, Seabright, N. S.
122108	Sensad.	Yarmouth	Sloop.	1905	Shelburne, N. S.	20 0	10 6	6 0	10	Samuel N. Atkinson, Cape Island, N. S.
126589	Sensad.	Lambert.	Schr—Glt.	1909	La Have, N. S.	37 2	11 2	6 2	15	Joshua Ernst, La Have, N. S.
134454	Seventy-four	Toronto.	Sew—Chd.	1914	Toronto, Ont.	85 0	34 0	5 5	143	Miller Lash and Glyn Osler, Toronto, Ont.
134456	Seventy-six	Charlottetown.	Sew—Chd.	1914	Toronto, Ont.	64 0	34 0	4 0	113	Miller Lash and Glyn Osler, Toronto, Ont.
88648	Severn.	Charlottetown.	Bltn—Blght.	1884	Esquimaux Bay, P. E. I.	143 5	29 1	15 9	397	Colin G. Wyllie, London, Eng.
102215	Severn.	Charlottetown.	Sew—Chd.	1890	Blackburn, Que.	50 0	14 4	4 3	16	G. Bodwell, Buckingham, Ont.
83448	Severn.	Windsor, N. S.	Schr—Glt.	1884	Newport, N. S.	148 0	32 6	15 9	446	Edward F. Hutchings, New York, N. Y., U. S. A.

SESSIONAL PAPER No. 22

107762	Shamrock	Charlottetown	Schr—Glt	1902	Alberton, P.E.I.	56 6	16 7	6 7	27	Michael Pearson, and Alban Fagan, Whitney Pier, N.S., J.O.
11430	Shamrock	Halifax	Schr—Glt	1902	Beekerton, N.S.	48 7	15 2	7 2	23	Alfred Vigneau, M.O., Amherst, N.S.
116286	Shamrock	Halifax	Schr—Glt	1903	Chezzetcook, N.S.	52 2	16 0	6 7	30	Jo n Bellefleur, <i>et al</i> , West Chezzetcook, N.S.
100346	Shamrock	Matland	Schr—Glt	1902	Matland, N.S.	68 5	26 3	7 6	53	Clifton C. Hatfield, Diligent River, N.S.
125996	Shamrock	Quebec	Schr—Glt	1907	Montmagny, Que.	94 8	20 3	5 4	81	The Price Brothers & Co., Ltd., Quebec, Que.
122941	Shamrock	St. Andrews	Sloop	1901	Grand Manan, N.B.	33 0	11 0	5 0	10	Ward S. Foster, Grand Manan, N.B.
123846	Shamrock	Sydney, N.S.	Schr—Glt	1903	Ingonish, N.S.	38 0	12 0	4 6	11	Robt. D. Nutter, Glace Bay, N.S.
107334	Shamrock	St. John, N.B.	Sloop	1899	Pulnico, N.S.	58 0	12 4	7 0	17	Cecil Alexander, Alma, N.S.
116338	Shamrock Hl.	Ottawa	Barge—Chd.	1903	Barry's Bay, Ont.	30 0	11 5	3 0	70	Ontario Corundum Co., Ltd., Ottawa, Ont.
115536	She Said No.	St. Andrews	Sloop	1888	Pembroke, Me., U.S.A.	28 0	12 8	5 6	11	Samuel Lakeman, Grand Manan, N.B.
138334	Shepherd King	Lambert	Schr—Glt	1918	Lambert, N.S.	117 8	26 8	10 6	109	Wm. C. Smith, M.O., Lunenburg, N.S.
171118	Shiny Maru	Vancouver	Schr—Glt	1905	Bowen Island, B.C.	66 0	16 5	6 0	164	Dan King, Vancouver, B.C.
346118	Shipman No. 4	Sault Ste. Marie	Scow—Chd.	1911	Warton, Ont.	110 0	24 4	7 0	104	Stephen Shippman, Sault Ste. Marie, Ont.
339144	Shippigan Pearl	Chatam, N.B.	Schr—Glt	1913	Shippigan, N.B.	26 0	9 6	4 6	10	Joseph Brideau, Shippigan, N.B.
330334	Shippigan	Chatam, N.B.	Schr—Glt	1910	Richibucto, N.B.	34 0	9 4	4 0	10	William A. Mills, Hardwick, N.B.
29671	Shuniah	Port Arthur	Dredge—Dragne	1910	Toronto, Ont.	125 0	40 1	8 4	602	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
11784	Sidney	Victoria	Barge—Chd.	1900	Everett, Wash., U.S.A.	150 0	36 0	5 4	263	John Hendry, Vancouver, B.C.
126179	Sidney No. 2	New Westminster	Barge—Chd.	1908	Seattle, Wash., U.S.A.	160 0	34 0	8 9	378	conover, Victoria & Eastern Ry. & Navigation Co., Vancouver, B.C.
111413	Sigdrifa	Lambert	Sloop	1877	Bealton, Mass., U.S.A.	35 7	11 6	6 5	13	W. and Alex. Dort, Cole Harbour, N.S.
103376	Sigdrifa	Winnipeg	Schr—Glt	1893	Icelandic River, Man.	51 0	12 5	4 8	24	Kristyvon Fimson, Icelandic River, Man.
112023	Silver Bell	Canso	Schr—Glt	1903	Tor Bay, N.S.	37 0	13 6	6 0	14	George Schrider, Tor Bay, N.S.
50857	Silver Bell	St. Andrews	Schr—Glt	1874	Campobello, N.B.	30 5	12 0	5 5	13	Peter Malloch, Campobello, N.B.
100951	Silver Moon	Chatam, N.B.	Schr—Glt	1893	Slippigan, N.B.	37 4	13 0	5 0	14	W. S. Lozgie Co., Ltd., Chatam, N.B.
116559	Silver Queen	Matland	Schr—Glt	1915	Lower Selma, N.S.	92 0	27 1	8 0	124	Alexander A. Gunn, Sherbrooke, N.S.
122085	Silver Spray	Charlottetown	Schr—Glt	1907	Montague, P.E.I.	35 6	13 9	5 6	16	Charles Lund, Charlottetown, P.E.I.
116856	Silver Spray	Yarmouth	Sloop	1904	Yarmouth, N.S.	39 0	12 0	6 6	11	Charles J. O'Hanley, Yarmouth, N.S.
116884	Silver Swan	Artelak	Schr—Glt	1904	Larry's River, N.S.	77 4	23 5	9 7	20	Wm. J. Malcolin, Port Hawkesbury, N.S.
138388	Silver Thread	Lambert	Schr—Glt	1917	La Have, N.S.	40 0	14 6	6 6	87	W. Norman Reinhardt, M.O., La Have, N.S.
88272	Simeon H. Bell	St. Andrews	Schr—Glt	1880	Eastport, Me., U.S.A.	31 0	12 2	5 8	14	J. R. Moses, Grand Manan, N.B.
77629	Singapore	Kingston	Schr—Glt	1878	Kingston, Ont.	106 0	25 4	9 9	186	J. C. Sutherland, Goderich, Ont.
107333	Sir John	Chatam, N.B.	Schr—Glt	1887	Caracquet, N.B.	36 5	12 3	4 5	11	F. T. B. Young, M.O., Caracquet, N.B.
107327	Sir John	St. Andrews	Sloop	1892	Grand Manan, N.B.	31 2	11 3	5 0	18	Hiram Morse, Grand Manan, N.B.
107327	Sir Wilfred	Halifax	Schr—Glt	1899	St. Margaret's Bay, N.S.	39 0	14 5	6 2	18	Charles Fader, St. Margaret's Bay, N.S.
85402	Sir Wilfred	Amberst.	Schr—Glt	1903	Magdalen Island, Que.	63 6	19 9	7 3	51	Amedee Cyr, Magdalen Islands, Que.
42987	Sir Wilfrid	Pictou, N.S.	Schr—Glt	1863	Murray Harbour, P.E.I.	53 8	17 1	7 4	39	John D. McIntyre, Montague, P.E.I.
69599	Siren	Montreal	Barge—Chd	1874	Point Lévis, Que.	137 3	30 0	9 9	307	Montreal Transportation Co., Ltd., Montreal, Que.
85945	Siren	Halifax	Schr—Glt	1883	Conceval, N.S.	53 0	17 8	7 5	40	John E. Corbett, M.O., Harbour au Bouche, N.S.
Six (6)	Six (6)	Montreal	Barge—Chd	1870	Pierreville, Que.	94 0	37 8	6 0	604	Adolphe Gatien, Hull, Que.
100733	Skola	Windsor, N.S.	Bktn—Bkgt.	1893	Kingstport, N.B.	168 0	38 0	16 0	108	Lester A. Rodden, Mobile, Ala., U.S.A.
100890	Skylark	St. John, N.B.	Schr—Glt	1893	Westfall, N.B.	51 5	15 4	3 1	21	J. L. Belyea, St. John, N.B.
134497	Sloe	Paspébiac	Schr—Glt	1915	Grand River, Que.	34 6	11 0	3 6	8	Philip Bourget, Grand River, Que.
103286	Snipe	Chatam, N.B.	Schr—Glt	1895	Shippigan, N.B.	36 5	12 7	4 8	11	T. Abier, Shippigan, N.B.
79935	Snow Ball	Chatam, Ont.	Schr—Glt	1881	Chatham, Ont.	60 0	9 0	6 0	23	A. Morrison, Tilbury East, Ont.
69179	Snow Queen	Quebec	Schr—Glt	1873	Malbone Bay, N.S.	71 4	20 2	7 8	55	Jos. Levesque, Chateaufort, Que.
100982	Snowdrop	Chatam, N.B.	Schr—Glt	1888	Caracquet, N.B.	35 0	12 2	5 0	11	C. Robin Collas & Co., Ltd., Jersey, C.I.
11281	Snow Maiden	Dieby	Schr—Glt	1902	Meteegan, N.S.	55 6	17 8	6 9	46	Charles M. and Arthur R. Hicks, Westport, N.S.
138442	Socany	Weymouth	Schr—Glt	1917	Little Brook, N.S.	132 0	31 9	11 9	314	Standard Transportation Co., Ltd., Hong Kong.
116678	Solfaire	St. Andrews	Sloop	1895	North Head, N.B.	27 0	12 2	6 0	13	Herman Green, Grand Manan, N.B.
116811	Sophia J. Luff	Quebec	Schr—Glt	1866	Marine City, Michigan, U.S.A.	140 3	26 1	10 4	252	The Minister of Public Works, Ottawa, Ont.
110956	Sophia Minch.	Sarnia	Schr—Glt	1873	Vermilion, U.S.A.	180 0	32 0	12 0	538	The Point Anne Quarries, Ltd., Toronto, Ont.
112989	Sourvenir	Dieby	Schr—Glt	1903	Meteegan River, N.S.	51 5	15 8	6 7	27	L. H. Ourthouse, Tiverton, N.S.
85743	Souvenir	Quebec	Sloop	1883	St. Jean, Island of Orleans, Que.	40 3	15 2	5 4	19	François Dégagné, Ile aux Coudres, Que.
75006	Soyersvign	Halifax	Schr—Glt	1878	Dieby, N.S.	55 7	17 7	6 0	35	Francis G. Faulkner, Jeddore, N.S.
126442	Speer	Kenora	Scow—Chd.	1909	Keewatin, Ont.	75 0	20 0	5 6	73	John T. Horne, Fort William, Ont.

Formerly "Daniel."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—Muni de la T.S.F.—Abreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
122060	Spark	Chatham, N.B.	Schr—Glt.	1907	New Brandon, N.B.	32 0	12 0	10 0	10	The William Fraing Co., Ltd., Shippigan Island, N.B.
50370	Sparkling Billow	St. Andrews	Schr—Glt.	1860	Edencomb, Me., U.S.A.	48 0	16 9	6 3	25	Geo. R. Batson, Campbell, N.B.
11840	Sparrow	Digby	Schr—Glt.	1902	Meteghan, N.S.	46 0	12 5	7 0	28	Moses Terrio, Meteghan, N.S.
69383	Speedwell	Gaspé	Schr—Glt.	1876	Corner of Beach, Que.	48 5	15 3	7 3	34	Fred. A. Assolis, New Carlisle, Que.
85896	Speedwell	St. John, N.B.	Schr—Glt.	1883	Chippman, N.B.	78 4	26 4	6 9	83	Mrs. Ellen G. Driscoll, St. John, N.B.
42438	Speedy	Gaspé	Schr—Glt.	1879	Point St. Peter, Que.	69 7	20 4	8 6	65	Robin, Jones & Whitman, Ltd., Halifax, N.S.
103610	Speedy	St. John, N.S.	Schr—Glt.	1887	Barraco, Nfld.	30 0	9 4	6 0	5	H. J. Ford, North Sydney, N.S.
116746	Spindrift	Halifax	Schr—Glt.	1905	Malbone Bay, N.S.	44 2	12 4	6 0	15	Albert Conrad, M.O., Rose Bay, N.S.
108475	Spindrift	Victoria	Schr—Glt.	1895	Esquimaux, B.C.	42 0	14 8	4 4	13	S. A. Bondy and Angus Alexander, Victoria, B.C.
111529	Spray	Digby	Schr—Glt.	1901	Digby, N.S.	34 5	10 3	5 5	12	Edward C. Campbell, Digby, N.S.
107510	Spray	St. John, N.B.	Schr—Glt.	1900	Greenwich, N.B.	67 7	22 0	5 8	72	C. H. Gorham, et al., Greenwiche, N.B.
103253	Spring Bird	St. John, N.B.	Schr—Glt.	1893	Wickham, N.B.	40 4	14 1	4 2	19	A. W. Theall, Westfield, N.B.
121672	Springer	Halifax	Schr—Glt.	1904	New Westminister, B.C.	55 7	22 0	5 4	31	Geo. E. Gilley, New Westminister, B.C.
94997	SPY	Charlottetown	Schr—Glt.	1880	Pinefle, P.E.I.	50 0	16 5	6 2	35	Hezekiah Quinn, Pictou, N.S.
112025	Squanto	Canso	Schr—Glt.	1903	Sary Harbour, N.S.	33 0	12 9	6 2	13	Frank H. Hayes, Canso, N.S.
121660	Squanto	Yarborough	Sloop—Glt.	1901	Cape Island, N.S.	40 0	11 4	6 0	11	Howard B. Calder, Campbell, N.B.
72950	Standard	Quebec	Schr—Glt.	1875	Loss Emboulements, Que.	85 1	24 0	10 4	132	V. Bouchard, Isle aux Coudres, Que.
55612	Standard	Halifax	Schr—Glt.	1882	Parasboroy, N.S.	72 1	25 4	6 4	65	Henry Benzley, M.O., Halifax, N.S.
100987	Stanley	Chatham, N.B.	Schr—Glt.	1892	Carriquet, N.B.	34 0	12 5	4 8	10	A. D. Gionet, Carriquet, N.B.
103087	Stanley	Chatham, N.B.	Schr—Glt.	1893	Carriquet, N.B.	34 0	12 5	4 8	10	Amos Chiasson, Island River, N.B.
111741	Stanley	Charlottetown	Schr—Glt.	1902	Charleston Basin, N.S.	94 8	24 2	7 8	74	Parblin Sawh, Georgetown, Depuera
125092	Stanley	Quebec	Barge—Chd.	1907	St. Alexis, Que.	106 0	29 5	7 8	162	Canadian Bank of Commerce, Toronto, Ont.
69192	Star	Halifax	Schr—Glt.	1874	Malbone Bay, N.S.	55 9	18 2	6 8	33	David Goyette, Cape Hecata, N.S.
103155	Star	Yarborough	Schr—Glt.	1895	Malbone Bay, N.S.	34 0	11 2	4 2	9	John W. Johnstone, Vancouver, B.C.
53600	Starlight	Halifax	Schr—Glt.	1865	Cherestook, N.S.	47 7	16 0	6 8	29	Phillip E. Lake, Grand Bank, Nfld.
103102	Starling	Halifax	Schr—Glt.	1891	Port Monton, N.S.	34 0	12 9	5 2	11	Theoéme Blomhard, Carriquet, N.B.
88465	Stella	Radietto	Schr—Glt.	1890	Rolla Bay, P.E.I.	64 3	18 3	7 3	46	John B. Girroir, West Arichat, N.S.
107188	Stella	Charlottetown	Schr—Glt.	1893	Port Monton, N.S.	40 0	13 9	5 4	15	P. P. Delaney, Macdonald Islands, Que.
83240	Stella	Quebec	Schr—Glt.	1883	Port Monton, N.S.	31 5	11 4	6 0	10	Joseph Winters, Liverpool, N.S.
111491	Stella Marie	Quebec	Schr—Glt.	1898	Les Escareuils, Que.	80 0	22 6	8 0	80	Napoléon Martin, Les Escareuils, Que.
103767	Stella Maris	Chatham, N.B.	Schr—Glt.	1896	Carriquet, N.B.	38 5	14 0	4 8	19	Robin, Jones & Whitman, Ltd., Halifax, N.S.
73976	Stella Maris	Quebec	Schr—Glt.	1867	St. Antoine, Que.	62 4	20 8	5 9	41	Joseph Dussault, Les Escareuils, Que.
80753	Stella Maris	Quebec	Schr—Glt.	1880	Esquimaux Point, Que.	61 6	20 5	7 8	51	Michel Blais, Rivière Romaine, Que.
112038	Stella Maris	Quebec	Schr—Glt.	1902	Mantoungan, Que.	55 8	17 0	6 0	32	Eusébe Godreau, Mantoungan, Que.
100444	Stella May	Canso	Schr—Glt.	1895	Canso, N.S.	39 0	11 4	6 1	12	James Meagher, Canso, N.S.

SESSIONAL PAPER No. 22

116750 ¹	Stella R.	Halifax	Sehr—Glt.	1905	Ship Harbour, N.S.	5 4	5 4	13 8	5 4	21 David T. Leslie, Spry Bay, N.S.
126841	Dredge—Drague	Quebec	Sehr—Glt.	1904	Lévis, Que.	6 1	6 1	29 0	6 1	11 La Compagnie Generale d'Entreprises Publiques, Lévis, Que.
124857	Barge—Chd.	Quebec	Barge—Chd.	1905	St. Alexis, Que.	106 5	22 5	105 0	7 5	162 Canadian Bank of Commerce, Toronto, Ont.
121986	Seaw—Chd.	Victoria	Seaw—Chd.	1907	White Horse, Y.T.	105 0	34 5	105 0	5 5	166 The British Yukon Navigation Co., Ltd., Victoria, B.C.
137981	Seaw—Chd.	Kingston	Seaw—Chd.	1905	Kingston, Ont.	85 0	19 9	85 0	6 0	82 Grant Pyke, Kingston, Ont.
90648	Barrington Passage.	Halifax	Sehr—Glt.	1885	Argyle, N.S.	46 0	14 3	46 0	5 8	20 Herbert G. Snell, St. Andrews, N.B.
96809	Sehr—Glt.	Halifax	Sehr—Glt.	1891	Ship Harbour, N.S.	49 4	17 3	49 4	9 3	36 Robert Carter, Ship Harbour, N.S.
111407	Stratocena.	Lunenburg	Sehr—Glt.	1900	Lunenburg, N.S.	90 8	24 3	90 8	7 0	89 Wm. Vincent, Bay St. George, Nfld.
72964	Stuart H. Dunn.	Montreal	Sehr—Glt.	1877	South Marysburgh, Ont.	164 8	26 8	164 8	12 7	458 Mrs. Thomas Simpson, Montreal, Que.
103940	Stuart L.	Charlottesville	Sehr—Glt.	1888	Clatham, N.B.	38 0	19 6	38 0	8 2	48 W. S. Loggie Co., Ltd., Clatham, N.B.
107770	Success.	Charlottetown	Sehr—Glt.	1903	St. Peter's Bay, P.E.I.	58 0	42 6	58 0	5 0	15 John W. Jenkins, Murray Harbour, P.E.I.
129261	Sitama.	Peterboro	Barge—Chd.	1907	Core's Landing, Ont.	63 5	15 0	63 5	3 3	29 Wm. Butler, Peterboro, Ont.
157916	Summer Home.	Charlham, N.B.	Sehr—Glt.	1905	Upper Lanteek, N.B.	39 6	23 2	39 6	0 0	13 Clement Lanteek, Upper Lanteek, N.B.
125059	Sunbeam.	Charlham, N.B.	Sehr—Glt.	1907	Shipington Island, N.B.	71 6	22 4	71 6	5 3	14 The Wain Training Co., Ltd., Shipington Island, N.B.
127573	Sunny Day.	Halifax	Sehr—Glt.	1876	Malome Bay, N.S.	77 6	23 2	77 6	8 9	14 John S. Pyritt, Bay of Islands, Newfoundland.
127573	Sunny Day.	Lunenburg	Sehr—Glt.	1905	West Dover, N.S.	37 4	10 5	37 4	3 9	11 Daniel Publicover, West Dover, N.S.
90932	Sunol.	St. John, N.B.	Sloop.	1895	St. John, N.B.	28 0	14 3	28 0	3 2	16 W. G. Stratton, et al., St. John, N.B.
90932	Sunol.	Yarmouth	Sloop.	1890	Jordan River, N.S.	42 0	14 3	42 0	7 2	18 Daniel Burke, M.O., River Bourgeois, N.S.
103829	Superbe.	Charlottetown	Sehr—Glt.	1903	Petit Roehar, N.B.	39 5	19 1	39 5	0 3	14 George A. Jarvis, Fredericton, N.B.
118845	Superior.	Charlham, N.B.	Sehr—Glt.	1901	Carquet, N.B.	40 0	19 1	40 0	5 2	14 Robt. Jones & Whitman, Ltd., Halifax, N.S.
133896	Supple Jack.	Charlham, N.B.	Sehr—Glt.	1900	Carquet, N.B.	37 0	19 6	37 0	4 4	17 Joseph D. White, Russell, Shipington, N.B.
121814	Surprise.	Osgoby.	Sloop.	1906	Gilbert's Cove, N.S.	34 0	14 8	34 0	4 4	17 Joseph D. White, Gilbert's Cove, N.S.
109448	Surprise.	Canso.	Sehr—Glt.	1898	Canso, N.S.	40 5	15 3	40 5	0 2	18 H. J. Mcneigh, Canso, N.S.
102745	Surprise.	Charlottetown	Sehr—Glt.	1893	Port Elgin, N.B.	36 6	14 8	36 6	4 8	15 H. J. Mcneigh, French River, New London, P.E.I.
103772	Surprise.	Charlham, N.B.	Sehr—Glt.	1893	Port Elgin, N.B.	36 6	14 8	36 6	4 8	15 H. J. Mcneigh, French River, New London, P.E.I.
75453	Susan.	Windsor, N.S.	Sehr—Glt.	1877	Kempt, N.S.	43 6	14 8	43 6	4 8	19 Jeremiah Dexter, Cheverie, N.S.
85890	Susan C.	Barrington Passage.	Sehr—Glt.	1883	St. Margaret's Bay, N.S.	44 3	15 0	44 3	6 3	21 Sewell A. Newman and Charles E. Newman, J. O., Wilson's Beach, Campobello, N.B.
69433	Susan King.	Charlottetown.	Sehr—Glt.	1875	Tatamagouche, N.S.	53 6	16 9	53 6	5 3	28 S. Vanamber, et al., North Port, N.S.
92867	Sustie Pearl.	St. John, N.B.	Sehr—Glt.	1901	Port Elgin, N.B.	75 8	24 7	75 8	6 8	15 Joshua Prescott, Sussex, N.B.
80866	Swallow.	Charlottetown.	Sehr—Glt.	1887	Waterborough, N.B.	48 7	17 7	48 7	0 6	29 J. & C. Hickman, Ltd., Port Elgin, N.B.
103006	Swallow.	Charlham, N.B.	Sehr—Glt.	1885	Wallace, N.S.	34 0	12 2	34 0	4 6	11 T. Alton, Shipington, N.B.
103947	Swallow.	Charlham, N.B.	Sehr—Glt.	1893	Shipington, N.B.	37 0	12 6	37 0	5 0	13 The C. Robin Collas Co., Ltd., Halifax, N.S.
83983	Swallow.	Port Hawkesbury.	Sehr—Glt.	1889	Carquet, N.B.	36 0	12 6	36 0	5 0	12 Duncan McDonald, Margaree, N.S.
103762	Swan.	Charlham, N.B.	Sehr—Glt.	1890	Margaree, N.B.	38 1	13 0	38 1	4 8	48 T. Alton, Shipington, N.S.
106009	Swan.	Digby.	Sehr—Glt.	1893	Shelburne, N.S.	73 0	19 2	73 0	7 3	66 George Morrell, Sandy Cove, N.S.
122075	Swan.	Toronto.	Seaw—Chd.	1906	Huntsville, Ont.	43 0	18 3	43 0	3 3	66 The Huntsville, Lake of Bays & Lake Simcoe Nav.Co., Ltd., Huntsville, Ont.
122111	Sweet Home.	Sydney, N.S.	Sehr—Glt.	1906	Sydney, N.S.	38 8	13 5	38 8	5 1	14 John Marshall, Sydney, N.S.
106986	Swift.	Charlham, N.B.	Sehr—Glt.	1888	Carquet, N.B.	35 6	12 6	35 6	5 0	11 Chas. DeGruely, Carquet, N.B.
90943	Swift Current.	Charlottetown.	Sehr—Glt.	1885	St. Margaret's Bay, N.S.	64 8	22 0	64 8	7 8	65 Charles Hannam, Baddeck, N.S.
103761	Swindon.	Charlham, N.B.	Sehr—Glt.	1903	Carquet, N.B.	34 6	12 3	34 6	4 8	11 Agapit Albert, Carquet, N.B.
126625	Sydenham (The).	Owen Sound.	Dredge—Drague	1908	Welland, Ont.	100 0	36 0	100 0	7 4	348 Canadian Dredging Co., Ltd., Midland, Ont.
131142	T. 4.	Vancouver.	Seaw—Chd.	1909	New Westminster, B.C.	60 0	22 0	60 0	0 2	102 Charles A. Thompson, Vancouver, B.C.
126755	T. F. M. No. 1.	Montreal.	Seaw—Chd.	1892	Ogdensburg, N.Y., U.S.A.	58 5	18 0	58 5	5 6	54 The T. Moore Co., Montreal, Que.
126755	T. F. M. No. 2.	Montreal.	Dredge—Drague	1892	Ogdensburg, N.Y., U.S.A.	71 0	22 0	71 0	4 3	151 The T. Moore Co., Montreal, Que.
126756	T. F. M. No. 3.	Montreal.	Seaw—Chd.	1895	Ogdensburg, N.Y., U.S.A.	58 5	18 0	58 5	6 2	151 The T. Moore Co., Montreal, Que.
126754	T. F. M. No. 4.	Montreal.	Dredge—Drague	1895	Ogdensburg, N.Y., U.S.A.	76 4	23 7	76 4	3 6	143 Fallon Bros., J.O., Cornwall, Ont.
134008	T. H. B.	Charlham, N.B.	Sehr—Glt.	1904	Carquet, N.B.	43 8	13 6	43 8	3 4	18 Theotime H. Le Boatbillier, Carquet, N.B.
134161	T. H. D. No. 1.	Saint Ste. Marie.	Seaw—Chd.	1901	Garden River, Ont.	27 3	12 0	27 3	4 0	13 Thomas H. DeCew, Saint Ste. Marie, Ont.
130705	T. J. H. 28.	Vancouver.	Seaw—Chd.	1901	New Westminster, B.C.	61 3	26 0	61 3	6 9	502 Thomas Y. Hebron, Vancouver, B.C.
111822	T. J. K. 1.	Vancouver.	Seaw—Chd.	1901	New Westminster, B.C.	72 0	21 0	72 0	5 0	49 Emerson Lamb Co., Ltd., Vancouver, B.C.
116490	T. J. K. No. 2.	Victoria.	Seaw—Chd.	1903	Vancouver, B.C.	98 0	30 0	98 0	4 6	43 The Vancouver Portland Cement Co., Ltd., Toronto, Ont.
138286	T. N. G.	Clatham, N.B.	Sehr—Glt.	1917	Carquet, N.B.	45 0	11 6	45 0	6 3	23 Martin N. Gonet, Carquet, N.B.

¹Formerly "W. R. Taylor," ²Formerly "The Main."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

©Equipped with Wireless—Muni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom de navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire-gérant, et adresse.
141031	T. R. N. No. 1.	Vancouver	Stow—Chd.	1912	New Westminster, B.C.	81 2	26 0	6 9	123	Vancouver Gas Co., Ltd., (Liability) Vancouver, B.C.
133846	T. R. N. No. 2.	Vancouver	Stow—Chd.	1912	Vancouver, B.C.	64 3	26 1	6 5	105	Gulf of Georgia Towing Co., Ltd., Vancouver, B.C.
138725	T. T. J.	New Westminster	Stow—Chd.	1910	New Westminster, B.C.	81 0	26 0	6 8	124	The Pacific Construction Co., Ltd., Vancouver, B.C.
134449	T. & C.	Toronto	Barge—Chd.	1902	Buffalo, N.Y., U.S.A.	113 0	22 0	11 0	215	The Lake Simcoe Ice Supply & Cold Storage Co., Ltd., Toronto, Ont.
126567	T. W. J. Whittier.	Sydney, N.S.	Schr—Glt.	1907	Ingonish, N.S.	39 0	12 4	6 4	15	Charles Mauger, Ingonish Ferry, N.S.
119685	T. Lilly.	Arsheath.	Schr—Glt.	1903	Port Felix, N.S.	33 8	10 9	5 2	10	Wm. Williams and Wm Pert, J.O., Tor Bay, N.S.
130722	Tacoma.	Hullax.	Schr—Glt.	1906	Tancook, N.S.	40 2	10 0	5 2	11	Mrs. Rosa G. Wambolt, Indian Harbour, N.S.
103614	Tadousac.	Quebec.	Sloop.	1895	Tadousac, Que.	53 5	17 9	4 9	41	Charles Lapote, St. Fulgence, Que.
121955	Tahkeena.	Victoria.	Barge—Chd.	1907	White Horse, Y.T.	106 0	34 5	5 6	167	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
116417	Taku.	Victoria.	Barge—Chd.	1903	Caribou, Y.T.	60 0	15 0	4 0	66	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
111890	Talkahasse.	Port Hawkesbury	Schr—Glt.	1897	Cheticamp, N.S.	34 5	10 0	5 0	12	Stimon Bellontaine, Cheticamp, N.S.
103754	Talmouth.	Port Hawkesbury	Schr—Glt.	1898	La Have, N.S.	92 8	24 4	10 0	100	Charles O. Maguire, Guysboro, N.S.
134050	Tancook.	Yanberrow	Schr—Glt.	1914	Tancook, N.S.	59 4	16 4	7 6	37	Ernest Covey, M. O., Tancook, N.S.
138101	Tango.	Port Arthur	Schr—Glt.	1911	Midland, Ont.	138 0	36 5	9 2	401	The Port Arthur Construction Co., Ltd., Port Arthur, Ont.
107541	Tanwha.	St. John, N.B.	Sloop.	1897	St. John, N.B.	33 3	9 9	4 2	6	Patrick Coughin, St. John, N.B.
122582	Tantalus.	Victoria.	Barge—Chd.	1897	White Horse, Y.T.	120 0	38 7	5 6	211	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
129718	Tantawana.	St. John, N.B.	Dredge—Draque.	1910	Upper Gagetown, N.B.	66 4	25 1	5 1	159	St. John River Dredging & Construction Co., Ltd., Fredericton, N.B.
74129	Telephone.	Charlottetown	Schr—Glt.	1877	Port Medway, N.S.	73 3	20 7	8 3	70	Norman Munroe, New Harris, N.S.
59387	Telephone.	Vancouver	Schr—Glt.	1877	St. Andrews, N.B.	43 0	15 2	6 1	19	A. Stanley and J. E. Gaskill, Grand Manan, N.B.
121707	Temeraire	Toronto	Sloop.	1905	Oakville, Ont.	50 0	10 0	6 0	18	F. Nicholls, Toronto, Ont.
116642	1. Temiscamingue No. 1.	Ottawa.	Barge—Chd.	1903	Ottawa, Ont.	60 0	12 0	3 6	42	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
116643	2. Temiscamingue No. 2.	Ottawa.	Barge—Chd.	1903	Ottawa, Ont.	60 0	12 0	3 6	42	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
116644	3. Temiscamingue No. 3.	Ottawa.	Barge—Chd.	1903	Ottawa, Ont.	60 0	12 0	3 6	42	The Upper Ottawa Improvement Co., Ltd., Ottawa, Ont.
74062	Temperance	Windsor, Ont.	Schr—Glt.	1877	Tilbury West, Ont.	66 0	17 0	4 1	38	J. B. Gervais, Tilbury West, Ont.
126943	Tenderfoot.	Vancouver	Schr—Glt.	1910	Victoria, B.C.	33 0	10 5	5 8	9	Frederick O. Mills, Vancouver, B.C.
122155	10 U. S.	Yarmouth.	Sloop.	1906	Shelburne, N.S.	36 6	12 3	7 0	16	Wilson Rankin, Yarmouth, N.S.
90784	Terres.	Victoria.	Schr—Glt.	1883	San Salvador, C.A.	80 0	22 3	7 2	63	Prince Rupert Black Cod Fisheries, Ltd., Vancouver, B.C.
121972	Teslin.	Victoria.	Barge—Chd.	1906	White Horse, Y.T.	105 7	34 5	5 5	159	The British Yukon Navigation Co., Ltd., Vancouver, B.C.
116964	Tethlys.	St. Andrews	Schr—Glt.	1896	West Isles, N.B.	38 0	14 2	7 6	20	George Thompson, Chance Harbour, N.S.
106777	Teutonic.	Chatham, N.B.	Schr—Glt.	1892	Caruquet, N.B.	36 0	13 0	4 6	11	W. S. Loggie, Co., Ltd., Chatham, N.B.
117139	Thalia D	Yarmouth.	Sloop.	1904	Cape Island, N.S.	31 0	11 0	6 0	10	J. L. Gallagher, Yarmouth, N.S.

112273	The III	Montreal	(Sloop)	1903	Dorval, Que	26 4	7 4	1 5	49	James J. Riley, jr., Montreal, Que.
100015	Annapolis Royal	Montreal	Schr—Glt	1885	Granville Ferry, N.S.	68 5	20 0	7 4	49	Clarence W. Anderson, et al., Sherbrooke, N.S.
122256	Thelma	Canso, N.S.	Schr—Glt	1906	Canso, N.S.	39 0	13 0	7 0	15	Alexander M. Roberts, Canso, N.S.
122255	Thelma B	Barrington Passage	Sloop	1907	Port Clyde, N.S.	31 0	12 6	6 6	12	Herbert R. Swin, Lockeport, N.S.
116895	Thelma E	Shelburne	Sloop	1903	Clarke's Harbour, N.S.	35 0	11 8	6 0	11	E. C. Acker, Harris Point, N.S., and R. T. Acker, Shelburne, N.S.
130253	Thelma G	Windsor, N.S.	Schr—Glt	1916	Kingsport, N.S.	38 2	12 6	4 8	11	F. W. Green and B. E. Gibson, Kingsport, N.S.
149242	Themis	Quebec	Schr—Glt	1898	Bate St. Paul, Que.	40 8	13 0	4 6	11	A. H. Simard, Bate St. Paul, Que.
122630	Thodore Veges	Kingston	Schr—Glt	1876	Black River, O., U.S.A.	103 2	24 1	7 9	132	John Gowen, Deseronto, Ont.
137590	Theophile	Chatham, N.B.	Schr—Glt	1915	Mizonette, N.B.	33 0	11 0	5 0	10	William M. Boudreau, Mizonette, N.B.
495757	Thetis	Halifax	Cutter	1888	Parimouth, N.S.	21 8	6 5	3 3	4	H. R. McLaren, Halifax, N.S.
107545	Thetis	St. John, N.B.	Sloop	1808	St. John, N.B.	28 0	10 0	3 2	5	Henry R. McLellan, St. John, N.B.
83074	Thistle	Ottawa	Barge—Chd	1869	Kingsmont, Ont.	108 0	22 3	5 4	117	John Eligh and David Eligh, J. O., Barritt's Rapids, Ont.
125994	Thistle	Quebec	Schr—Glt	1907	Montmaguy, Que.	94 8	26 3	5 4	80	The Price Bros. & Co., Ltd., Quebec, Que.
47145	Thistle	St. Andrews	Sloop	1888	Grand Mannan, N.B.	27 0	11 9	5 0	12	Frank Ingersoll, Grand Mannan, N.B.
107074	Thistle	St. John, N.B.	Sloop	1897	St. John, N.B.	31 0	11 2	4 0	67	Cecil F. McLeau, St. John, N.B.
121979	Thomas F. Bayard	Victoria	Schr—Glt	1880	Pooklyn, N.Y., U.S.A.	86 0	21 5	8 6	13	The Minister of Marine and Fisheries, Ottawa, Ont
98983	Thomas H.	Yarmouth	Schr—Glt	1889	Pubnico, N.S.	40 0	13 5	5 1	67	Seth Nickerson, Barrington, N.S.
134501	Thomas J. Conway	Canso	Schr—Glt	1914	White Haven, N.S.	46 0	12 9	6 8	17	Edmund Conway, M. O., White Haven, N.S.
138492	Thomas McDougall	Montreal	Barge—Chd	1917	Charlemagne, Que	128 9	27 3	6 3	219	St. Maurice Paper Co. Ltd., Montreal, Que.
131101	Thorolla III	Montreal	Sloop	1910	Dorval, Que	39 8	8 1	2 3	4	Joseph C. Finley, Sampson, Que.
88542	Three Belis	Charlottetown	Schr—Glt	1884	Lockeport, N.S.	79 0	23 9	9 0	92	W. S. Loggie, Co., Ltd., Chatham, N.B.
117184	Three Brothers	Chatham, N.B.	Schr—Glt	1905	Shippigan Island, N.B.	41 7	13 4	5 4	16	W. S. Loggie, Co., Ltd., Chatham, N.B.
96738	Three Brothers	Chatham, N.B.	Schr—Glt	1890	Shippigan, N.B.	35 2	12 5	4 8	12	John Young, Tracadie, N.B.
42432	Three Brothers	Gaspé, Que	Schr—Glt	1866	Esquimaux Point, Que	49 6	16 0	6 9	36	Xavier Boudreau, Esquimaux Point, Que.
131082	Three Cousins	Lamenburg	Schr—Glt	1909	Tancook, N.S.	41 2	10 2	5 6	13	E. R. Lowe, and R. P. Scott, North Sydney, N.S.
124778	303	Richibucto	Schr—Glt	1911	Richibucto, N.B.	30 0	11 9	5 0	10	W. E. Forbes, Richibucto, N.B.
107440	Three Links	St. Andrews	Sloop	1899	Grand Mannan, N.B.	30 0	11 0	6 0	12	Robert A. Mann, Grand Mannan, N.B.
116825	Three Sisters	Barrington Passage	Sloop	1903	Bear Point, N.S.	30 0	12 0	6 2	10	Wallace H. Penney, M.O., Cape Island, N.S.
106814	Three Sisters	Barrington Passage	Schr—Glt	1894	Bear Point, N.S.	38 5	13 0	4 2	10	F. O. Brindley, Chebogue, N.S.
126022	Three Swallows	Sydney, N.S.	Schr—Glt	1897	Glace Bay, N.S.	38 0	12 0	5 0	7	Benj. Gracete, Little Bras d'Or, N.S.
117652	Thrush	Canso	Schr—Glt	1899	Beekerton, N.S.	31 6	11 4	5 7	10	David Myers, Canso, N.S.
103082	Thrush	Chatham, N.B.	Schr—Glt	1890	Shippigan, N.B.	32 4	12 0	4 8	10	T. Alier, Shippigan, N.B.
42666	Thurso	Ottawa	Barge—Chd	1887	Rockland, Ont.	105 0	22 5	7 5	153	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
100918	Tickler	Chatham, N.B.	Schr—Glt	1892	Caracquet, N.B.	39 0	12 8	5 3	12	Robin, Jones & Whitman, Ltd., Halifax, N.S.
134400	Tipary	Lamenburg	Schr—Glt	1915	Lamenburg, N.S.	96 2	24 4	9 4	92	Norman Reinhardt, M.O., La Have, N.S.
66961	Tivel	Halifax	Schr—Glt	1890	Little Harbour, N.S.	41 0	15 0	6 5	24	Louis Garmier, St. George's, Nfld.
134590	Toad	Paspheiac	Schr—Glt	1916	Grand River, Que	36 3	12 5	3 6	6	Robin, Jones & Whitman, Limited, Halifax, N.S.
117986	Togo	Collingwood	Dredge—Drague	1897	Laelaine, Que	85 0	27 0	6 6	269	Robin, Jones & Whitman, Limited, Halifax, N.S.
116522	Togo	Lamenburg	Schr—Glt	1905	Tancook Island, N.S.	43 2	11 0	6 2	14	William J. Peitzsch, White Haven, N.S.
116424	Togo	Shelburne	Schr—Glt	1904	Sable River, N.S.	45 5	15 4	4 2	18	H. R. Bell and A. L. Peterson, Lockeport, N.S.
116843	Togo	Yarmouth	Schr—Glt	1904	Pubnico, N.S.	38 0	13 0	5 0	12	Arthur Goreham, Woods Harbour, N.S.
111349	Ton No. 1.	New Westminster	Barge—Chd	1901	New Waterloom, Wash., U.S.A.	49 7	14 5	3 0	63	Henry D. Benson, Ladners, B.C.
49422	Topsy	Prescott	Seaw—Chd	1886	Iroquois, Ont.	46 0	13 0	4 0	22	Mrs Sarah M. Carman, Iroquois, Ont
137405	Toronto	Toronto	Dredge—Drague	1914	Toronto, Ont	176 0	42 1	12 0	737	B. Osler and M. Lash, J. O., Toronto, Ont.
123875	Toronto	Yarmouth	Sloop	1906	Clarke's Harbour, N.S.	30 0	12 0	6 0	13	A. C. Atkinson, Port La Tour, N.S.
107369	Toronto Harbour	Toronto	Dredge—Drague	1896	Toronto, Ont.	90 0	27 6	4 6	180	The Toronto Harbour Commissioners, Toronto, Ont.
122214	Toronto Harbour	Toronto	Dredge—Drague	1906	Toronto, Ont.	90 5	30 5	5 2	234	The Toronto Harbour Commissioners, Toronto, Ont
125975	Toronto Harbour	Toronto	Dredge—Drague	1908	Toronto, Ont.	110 1	30 1	7 3	306	The Toronto Harbour Commissioners, Toronto, Ont.
134345	Tot Q.	Montreal	Seaw—Chd	1912	Montreal, Que.	70 2	20 0	4 3	48	Quinlan & Robertson, Ltd., Montreal, Que.
										Formerly "City Dredge No. 3."

Formerly "City Dredge No. 2." Formerly "City Dredge No. 3."

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless Muni de la T.S.F. Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship Nom du navire.	Port of Registry Port d'enregistrement.	Rig. Gisement.	Built—Construct en.	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10 ^{es} .	Breadth in feet and 10ths. Largeur en pieds et 10 ^{es} .	Depth in feet and 10ths. Profondeur en pieds et 10 ^{es} .	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
107143	Transfer No. 1	Vancouver	Sloop—Clid.	1898	Vancouver, B.C.	186.4	40.0	12.0	773	Canadian Pacific Railway Co., Montreal, Que.
122381	Transfer No. 2	Victoria	Barge—Clid.	1907	Victoria, B.C.	233.0	40.7	10.0	973	Canadian Pacific Railway Co., Montreal, Que.
130046	Transfer No. 3	Victoria	Barge—Clid.	1911	Esquimalt, B.C.	250.0	42.0	12.8	927	Canadian Pacific Railway Co., Montreal, Que.
134031	Transfer No. 4	Victoria	Barge—Clid.	1913	Esquimalt, B.C.	269.0	42.1	12.6	895	Canadian Pacific Railway Co., Montreal, Que.
134036	Transfer No. 5	Victoria	Barge—Clid.	1913	Nelson, B.C.	224.1	42.5	7.9	681	Canadian Pacific Railway Co., Montreal, Que.
134648	Transfer No. 6	Victoria	Barge—Clid.	1911	Horsman, Wash., U.S.A.	112.6	42.0	12.1	622	Canadian Pacific Railway Co., Montreal, Que.
138773	Transfer No. 7	Victoria	Barge—Clid.	1917	Victoria, B.C.	146.8	46.4	10.5	599	Canadian Pacific Railway Co., Montreal, Que.
126125	Trenton	Kingston	Dredge—Drage	1908	Trenton, Ont.	74.8	30.6	7.6	251	Robert Weddell, M.O., Trenton, Ont.
92567	Trial	Halifax	Schr—Glt	1882	Margaree, N.S.	36.0	12.8	5.5	13	Alexander Corneau, Margaree, N.S.
112114	Tribuno	Halifax	Schr—Glt	1903	Malbone Bay, N.S.	44.6	15.0	6.2	22	Frederick Field, Muskeboom, N.S.
103179	Trilby	Digby	Schr—Glt	1895	Sable River, N.S.	53.7	16.5	7.1	31	F. S. Lent, et al., Freeport, N.S.
130553	True Darling	Archat	Schr—Glt	1910	Port Felix, N.S.	33.4	11.9	5.6	18	Remy Belfontain, Port Felix, N.S.
107994	True Love	Canso	Schr—Glt	1889	Canso, N.S.	37.0	11.4	5.6	10	David Walsh, Canso, N.S.
103531	True Love	Halifax	Schr—Glt	1889	Sambro, N.S.	33.2	11.9	5.8	18	John C. Arnold, Terence Bay, N.S.
88514	Trumpet	St. John, N.B.	Schr—Glt	1857	Essex, Mass., U.S.A.	45.2	13.4	6.0	20	A. W. Holmes, Beaver Harbour, N.B.
14162	Tro Queen	Parrsboro	Schr—Glt	1918	Economy, N.S.	150.5	34.7	12.0	356	H. D. McLean and H. C. McKay, J.O., Economy, N.S.
103998	Try Again	St. Andrews	Sloop	1898	Meteghan, N.S.	56.1	13.0	5.0	15	A. W. Ingersoll, Grand Mannan, N.B.
126377	Tuareg	Halifax	Sloop	1907	Brooklyn, N.B.	26.8	7.8	3.0	3	Alfred F. Haliburton, Halifax, N.S.
134323	Tuxedo	Clatham, N.B.	Schr—Glt	1911	Shippigan, N.B.	12.0	11.5	4.8	12	Bector De Grace, Shippigan, N.B.
134594	Tuz	Paspobiac	Schr—Glt	1915	Grand River, Que.	33.6	10.5	4.0	7	Charles Diodie, Grand River, Que.
75833	Twilight	Halifax	Schr—Glt	1878	Owl's Head, N.S.	42.0	14.4	6.0	14	H. R. Garrison, Ingrauport, N.S.
138239	Twin Sisters	Montreal	Schr—Glt	1889	East Saugeenau Arch, U.S.A.	203.8	35.3	14.5	772	The Barge Twin Sisters Co. Ltd., Montreal, Que.
121792	Twin Sisters	Yarmouth	Sloop	1917	Sorel, Que.	31.0	11.0	6.0	10	Osborne D. Smith, et al., Capo Island, N.S.
122184	Two Brothers	Archat	Schr—Glt	1905	Scheburne, N.S.	43.0	13.4	5.5	19	Patrick Campbell, Main-de-Dieu, N.S.
107091	Two Brothers	Canso	Schr—Glt	1907	Main-de-Dieu, N.S.	40.0	13.0	6.4	14	Frederick Jello, Port Felix, N.S.
103583	Two Brothers	Clatham, N.B.	Schr—Glt	1898	Port Felix, N.S.	37.0	12.4	4.8	11	W. S. Longie Co., Ltd., Clatham, N.B.
80711	Two Brothers	Halifax	Sloop	1880	Paspobiac, Que.	49.0	15.1	6.9	30	Garfield Johnston and William Johnston, Peters Road, P.E.I.
80879	Two Brothers	Pictou, Ont.	Sloop	1881	Barkess, Ont.	95.0	18.6	4.8	56	A. G. Cousins, et al., Belleville, Ont.
117138	Two Brothers	Yarmouth	Sloop	1901	Parkney's Point, N.S.	31.0	11.3	6.0	11	Leroy Ross, Yarmouth, N.S.
92749	Two Sisters	Sackville	Schr—Glt	1896	Sackville, N.B.	76.6	25.0	7.2	86	Ed. Kenne, Riverside, N.B.
122107	Two Sisters	Yarmouth	Sloop	1905	Sackville, N.B.	30.0	10.6	6.0	10	Thomas H. Chatwynd, Woods Harbour, N.S.
83287	Twylight	Kingston	Sloop	1882	Dog Lake, Ont.	79.0	15.8	4.5	41	Clement Bell, Belleville, Ont.
85410	Typhon	Magdalen Islands	Schr—Glt	1912	House Harbour, M.I.	69.3	19.8	7.4	58	Anciet Arseneau, M.O., House Harbour, M.I., Que.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1917.

② Equipped with Wireless—Muni de la T.S.F.—Abbréviations—Abbreviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Gréement.	Built—Construct en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
131179	Vera E. Himmelman	Lambourg	Schr—Glt	1912	Mahona Bay, N.S.	109 2	26 2	10 6	99	Wm. Duff, M.O., Lunenburg, N.S.
103809	Vertava	Sydney, N.S.	Schr—Glt	1898	Gabrouse, N.S.	56 0	15 6	5 9	27	G. W. Grant, Cabarouse, N.S.
82823	Veritas	St. Andrews	Schr—Glt	1878	Fairport, Me., U.S.A.	30 3	10 6	5 6	10	Simon Leonard, West Isles, N.B.
130681	Verna I.	Lambourg	Schr—Glt	1907	Lambourg, N.S.	40 6	10 6	5 5	99	Wellsley Wambolt, La Have, N.S.
138447	Verna M. Johns.	La Have	Schr—Glt	1918	Upper La Have, N.S.	106 6	26 0	10 8	102	Albert V. Conrad, M.O., La Have, N.S.
131063	Vernie S.	Lambourg	Schr—Glt	1907	Tancook, N.S.	38 5	9 9	4 8	10	Abraham Knioke, Blue Rocks, N.S.
121586	Vesper	Vancouver	Sloop	1906	Vancouver, B.C.	26 6	8 9	3 6	7	G. C. Van Horne, Vancouver, B.C.
100698	Vespa	Shedburne	Schr—Glt	1893	Sable River, N.S.	35 4	14 0	6 0	14	Chas. Hupman, Summersville, N.S.
103274	Vesuvius	Shedburne, N.B.	Schr—Glt	1888	Caracut, N.B.	35 0	12 1	5 0	10	G. Maillet, Shippigan, N.B.
121594	Vice Reine	Shedburne, N.B.	Sloop	1906	Shedburne, N.S.	41 0	13 3	5 4	12	Elzeur Penney, M.O., Cape Island, N.B.
101709	Victoria	Chatham, N.B.	Schr—Glt	1897	Shippigan, N.S.	38 9	9 3	5 6	16	W. St. Lozajic Co., Ltd., Chatham, N.S.
111409	Victoria	Lambourg	Schr—Glt	1900	La Have, N.S.	95 6	24 0	9 8	100	Alexander P. Cameron, Sherbrooke, N.S.
96906	Victoria	New Westminster	Sloop—Chd	1892	Port Guichen, B.C.	36 0	11 3	3 5	13	John A. Maxwell, Nanaimo, B.C.
107559	Victoria	St. Catharines	Sloop—Chd	1870	Welland, Ont.	159 0	23 4	6 5	156	Allan F. Holloway, Toronto, Ont.
122193	Victory	Sydney, N.S.	Schr—Glt	1890	New Haven, N.S.	37 0	12 0	5 0	11	Daniel Johnson, Lunenburg, N.S.
50316	Victory	St. Andrews	Schr—Glt	1907	Esquimaux, N.B.	34 8	9 8	4 8	10	Joseph A. and Livingston Williston, Hardwicke, N.B.
116466	Vie No. 2	Vancouver	Barge—Chd	1902	Hampsville, Me., U.S.A.	30 8	10 3	4 8	8	C. Geo. Mulgolland, Campobello, N.B.
122549	Vie No. 3	Vancouver	Sloop—Chd	1905	Vancouver, B.C.	57 3	20 3	2 0	22	Daniel King, Vancouver, B.C.
126338	Vigie	Vancouver	Sloop—Chd	1909	Vancouver, B.C.	62 8	18 3	2 5	54	J. McDonald and W. G. Gillett, J.O., Vancouver, B.C.
92757	Vigilant	Quebec	Schr—Glt	1889	Quebec, Que.	70 7	19 0	8 6	61	Daniel King, Vancouver, B.C.
92889	Vigilant	Gaspé	Schr—Glt	1894	Besée River, Anticosti, Que.	32 6	13 0	4 6	59	Urie Gagné, Caribou Island, Que.
100251	Vigilant	Halifax	Schr—Glt	1894	Tancook Island, N.S.	34 3	9 0	3 7	5	Dudley Mills, Halifax, N.S.
116970	Vigilant	St. Andrews	Sloop	1906	Charle's Harbour, N.S.	33 7	12 0	5 8	12	Webster Cossaboom, Grand Manan, N.B.
133021	Vikta	Chatham, N.B.	Schr—Glt	1913	Lanark, N.B.	47 0	14 8	7 2	29	Maxim Poulin, Little Laneok, N.B.
100621	Viking	Port Dover	Sloop	1891	Port Dover, Ont.	62 0	16 8	7 8	39	D. J. McLeod, Navesink, Ont.
107731	Viking	St. John, N.B.	Sloop	1899	Yarmouth, N.S.	30 3	11 0	3 6	9	H. H. Bissett, St. John, N.B.
121721	Viking	Vancouver	Sloop	1909	Vancouver, B.C.	27 8	9 0	4 0	8	Walter G. Stewart and Lewis H. Evans, Vancouver, B.C.
75755	Village Belle	Port Medway	Schr—Glt	1878	Port Medway, N.S.	63 8	21 0	8 3	53	S. E. Teed, Volger's Cove, N.S.
69499	Village Queen	Halifax	Schr—Glt	1874	Malone Bay, N.S.	48 6	15 0	6 6	24	Charles Brudage, Sheet Harbour, N.S.
133666	Village Leaf	Halifax	Schr—Glt	1913	Malone Bay, N.S.	75 8	22 0	9 3	78	John Keating, Renous, Nfld.
88302	Villageous	Quebec	Barge—Chd	1881	St. Jean Descaillons, Que.	92 6	22 0	6 5	93	G. Gignac, Portneuf, Que.
117183	Vina	Chatham, N.B.	Schr—Glt	1905	Shippigan, N.B.	38 4	13 0	5 0	11	Amedee Noel, Shippigan, N.B.

SESSIONAL PAPER No. 22

138478	Vincent A. White.	Parrsboro.	Sehr—Glt	1918	Alma, N.B.	163 4	25 5	12 8	A. B. MacKay, Hamilton, Ont., and J. H. Solery, Toronto, Ont., J. O.
97186	Viola.....	Windsor, N.S.	Sehr—Glt	1891	Salmon River, N.S.	90 0	28 0	9 0	J. Willard Smith, St. John, N.B.
121659	Viola.....	Yarmouth.	Sloop	1904	Tackett Wedge, N.S.	23 0	11 0	6 0	Alexander Frontain, Salmon River, N.S.
126912	Viola G. Hartin.	Halifax.	Sehr—Glt	1910	Jeddore, N.S.	51 0	16 0	6 8	Peter Hartin, M.O., Jeddore, N.S.
100330	Viola Pearl.	Yarmouth.	Sehr—Glt	1894	East Brook, N.S.	35 2	12 9	6 7	Schooner "Viola Pearl" Co., Ltd., St. John, N.B.
121873	Viola S.	Yarmouth.	Sloop	1906	Surette's Island, N.S.	45 0	16 7	6 4	Samuel Surette, M.O., Surette's Isl., N.S.
133673	Violet M. Hut.	Halifax.	Sehr—Glt	1914	Owls Head, N.S.	48 6	13 0	7 4	Neville Cannettes, Ltd., Halifax, N.S.
94726	Violet West.	Digby.	Sehr—Glt	1888	Corwallis, N.S.	54 0	17 8	6 4	Andrew Coggins, et al., Westport, N.S.
90485	Violet and Annie.	Halifax.	Sehr—Glt	1885	Seafort, N.S.	49 6	18 0	5 6	John L. Abriel, Pope's Harbour, N.S.
122238	Violetta.	Halifax.	Sloop	1908	Port Clyde, N.S.	41 5	13 0	7 0	Robin Jones & Whitman, Ltd., Halifax, N.S.
130423	Viola Evelyn.	Digby.	Sehr—Glt	1898	Hillsburn, N.S.	36 0	13 4	5 4	A. W. Longuire, Hillsburn, N.S.
96773	Virgin.	St. Andrews.	Sloop	1894	Swan's Isl'd, Me., U.S.A.	37 6	13 6	6 6	Frank M. Calder, Campobello, N.B.
103125	Virgin Queen.	Port Hawkesbury.	Sehr—Glt	1894	Cheticamp, N.S.	33 0	11 4	4 9	Robin Jones & Whitman, Ltd., Halifax, N.S.
124452	Virginia.	St. Andrews.	Sloop	1896	East Machias, Me., U.S.A.	40 0	13 0	5 6	Nelson Morse, Grand Manan, N.B.
126021	Virginia.	Barrington Passage.	Sloop	1907	Tackett Wedge, N.S.	36 0	13 4	7 0	Willard M. Kelley, Yarmouth, N.S.
137852	Vivian.	Sydney, N.S.	Sehr—Glt	1907	Ingush, N.S.	55 0	13 4	3 1	Wm. Duff, Lunenburg, N.S.
137850	Vivian P. Smith.	St. John, N.B.	Sehr—Glt	1915	Oromocto, N.B.	55 5	13 4	3 1	Martin Currier, Oromocto, N.B.
116283	Vixen.	Lunenburg.	Sehr—Glt	1903	Lunenburg, N.S.	102 0	26 0	11 0	William C. Smith, M.O., Lunenburg, N.S.
103678	Vladimir.	Halifax.	Sehr—Glt	1907	Ship Harbour, N.S.	47 8	13 0	6 5	Robert Keating, Ship Harbour, N.S.
138209	Vogue.	Toronto.	Sloop	1897	Bracebridge, Ont.	44 4	13 2	4 0	S. Brown, Bracebridge, Ont.
100995	Voltaire.	La Have.	Sehr—Glt	1891	Sheburne, N.S.	108 2	25 6	10 7	A. E. Hickman & Co., Ltd., St. John's, N.B.
100352	Volligour.	Chatham, N.B.	Sehr—Glt	1891	Shipigan, N.B.	35 0	12 0	4 6	P. Rive, Caraquet, N.B.
100352	Volligour.	Quebec.	Sehr—Glt	1891	Les Escoumains, Que.	35 2	14 3	4 8	Frs. Ste. Pierre, Matane, Que.
96910	Volunteer.	Kingston.	Sloop	1894	Roscoumains, Que.	60 8	18 6	5 3	Hypolite Boudiane, Tadoussac, Que.
103111	Volunteer.	St. Andrews.	Sehr—Glt	1891	Dog Lake, Ont.	88 8	17 0	5 6	Barney Black, Kingston, Ont.
100966	Von Moltke.	St. Andrews.	Sehr—Glt	1888	Grand Manan, N.B.	36 0	12 3	5 0	Milton W. Ingersoll, Grand Manan, N.B.
96034	Vreda.	Chatham, N.B.	Sehr—Glt	1890	Caraquet, N.B.	36 1	11 9	4 6	P. J. Frigo, Caraquet, N.B.
103588	Vulture.	Toronto.	Cutter	1888	Troon, G.B.	55 3	10 1	9 5	A. G. Peachen, Toronto, Ont.
		Chatham, N.B.	Sehr—Glt	1896	Caraquet, N.B.	36 3	12 5	5 0	W. S. Loggie Co., Ltd., Chatham, N.B.
134375	W. 20.	Sault Ste. Marie.	Sloop—Chd.	1898	Duluth, Minn., U.S.A.	75 0	26 0	8 5	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134376	W. 26.	Sault Ste. Marie.	Sloop—Chd.	1897	Duluth, Minn., U.S.A.	116 0	28 5	9 3	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134377	W. 27.	Sault Ste. Marie.	Sloop—Chd.	1897	Duluth, Minn., U.S.A.	115 0	28 0	8 0	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
134378	W. 35.	Sault Ste. Marie.	Sloop—Chd.	1883	Duluth, Minn., U.S.A.	80 0	26 0	8 5	Sydney L. Penhorwood, Sault Ste. Marie, Ont.
140900	W. B. No. 1.	Vancouver.	Sloop—Chd.	1911	New Westminster, B.C.	80 6	25 9	7 1	23 William Bartlett, Vancouver, B.C.
126892	W. C. & St. M. No. 2	Montreal.	Sloop—Chd.	1909	Chateaugay, Que.	28 5	17 5	3 5	Arthur Belanger and A. Laforee, J.O., Lachine, Que.
126694	W. C. & St. M. No. 3	Montreal.	Sloop—Chd.	1909	Chateaugay, Que.	32 0	16 5	4 0	Arthur Belanger and A. Laforee, J.O., Lachine, Que.
134672	W. C. P. No. 1.	New Westminster.	Barge—Chd.	1914	Blaine, Wash., U.S.A.	63 0	21 0	3 0	Alvin John Engvik, Vancouver, B.C.
126223	W. F. No. 1.	Vancouver.	Sloop—Chd.	1908	Tharlow Isl., B.C.	80 6	30 1	7 5	Vancouver Tug and Barge Co., Ltd., Vancouver, B.C.
138707	W. F. No. 3	Vancouver.	Sloop—Chd.	1907	Tharlow Isl., B.C.	95 0	22 0	5 9	Morrill Des Brisay, Vancouver, B.C.
126396	W. J. P. Co. No. 1.	Lunenburg.	Sloop—Chd.	1902	Montreal, Que.	97 2	27 0	9 6	The W. J. Poupore Co., Ltd., Montreal, Que.
126397	W. J. P. Co. No. 2.	Lunenburg.	Sloop—Chd.	1902	Lunenburg, N.S.	97 2	27 0	9 6	The W. J. Poupore Co., Ltd., Montreal, Que.
126398	W. J. P. Co. No. 3.	Lunenburg.	Sloop—Chd.	1908	Lunenburg, N.S.	97 2	27 0	9 6	The W. J. Poupore Co., Ltd., Montreal, Que.
126399	W. J. P. Co. No. 4.	Lunenburg.	Sloop—Chd.	1902	Montreal, Que.	98 0	30 0	7 0	The W. J. Poupore Co., Ltd., Montreal, Que.
126400	W. J. P. Co. No. 5.	Lunenburg.	Sloop—Chd.	1907	Liverpool, N.S.	33 8	19 4	3 0	The W. J. Poupore Co., Ltd., Montreal, Que.
126364	W. J. P. Co. No. 8.	Montreal.	Sloop—Chd.	1948	Sorel, Que.	69 6	19 2	3 0	The W. J. Poupore Co., Ltd., Montreal, Que.
126488	W. J. P. Co. No. 20	Montreal.	Sloop—Chd.	1899	Sorel, Que.	65 5	22 1	7 5	The W. J. Poupore Co., Ltd., Montreal, Que.
107456	W. K. IV.	Vancouver.	Sloop—Chd.	1909	Vancouver, B.C.	59 0	21 9	4 8	Simon McKenzie, Vancouver, B.C.
111535	W. K. No. III.	Vancouver.	Sloop—Chd.	1891	Vancouver, B.C.	62 0	22 2	5 0	Gordon T. Legg, Vancouver, B.C.
111536	W. K. No. IV.	Vancouver.	Sloop—Chd.	1891	Vancouver, B.C.	58 0	21 3	5 0	Gordon T. Legg, Vancouver, B.C.
111537	W. K. No. 5.	Vancouver.	Sloop—Chd.	1891	Vancouver, B.C.	58 0	21 0	5 0	Gordon T. Legg, Vancouver, B.C.
117010	W. K. No. 6.	Vancouver.	Sloop—Chd.	1903	New Westminster, B.C.	69 0	25 0	6 8	Colin Wilson, et al., New Westminster, B.C.
134501	W. M. R. No. 1.	Vancouver.	Sloop—Chd.	1911	New Westminster, B.C.	78 0	27 0	7 0	Colonial Lumber and Paper Mills, Limited, Vancouver, B.C.
130500	W. M. R. No. 2.	New Westminster.	Barge—Chd.	1912	New Westminster, B.C.	85 0	28 0	7 3	B.C. Marine Limited, Vancouver, B.C.
130601	W. M. R. No. 3.	New Westminster.	Barge—Chd.	1914	New Westminster, B.C.	87 0	30 0	8 7	Vancouver Crossing Company, Limited, Vancouver, B.C.
138698	W. P. 15.	Vancouver.	Sloop—Chd.	1918	New Westminster, B.C.	47 2	11 0	3 5	Western Packers, Limited, Vancouver, B.C.
138699	W. P. 16.	Vancouver.	Sloop—Chd.	1918	New Westminster, B.C.	47 2	11 0	3 5	Western Packers, Limited, Vancouver, B.C.

Formerly a steamer

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Équipage with Wireless—Maître de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel.	Name of Ship. Nom du navire.	Port of Registry. Port d'enregistrement.	Rig. Giréement.	Built—Constructé en	Where Built. Lieu de construction.	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Manager Owner, and Address. Armateur ou propriétaire gérant, et adresse.
92661	W. A. Crombie	Ottawa	Barge—Chd	1887	Ottawa, Ont.	110 0	22 0	7 0	155	The Riordan Paper Co., Ltd., Montreal, Que.
111560	W. C. Clark	St. Andrews	Schr—Glt	1904	Grand Manan, N.B.	36 0	13 2	6 0	16	Matilda Cheney, Grand Manan, N.B.
121696	W. F. Brittleff	Yarmouth	Sloop	1901	Woods Harbour, N.S.	35 0	11 8	5 5	10	G. W. Smith, M.O., Woods Harbour, N.S.
88518	W. F. Elizabeth	Sydney, N.S.	Schr—Glt	1886	St. Peter's, N.S.	32 1	12 8	5 1	10	Thomas Doyle, North Rustico, P.E.I.
122581	W. F. Foley	Yarmouth	Schr—Glt	1908	Tusket Wedge, N.S.	69 0	19 6	8 0	51	The Minister of Marine and Fisheries, Ottawa, Ont.
121483	W. G. Hudson	Charlottetown	Schr—Glt	1906	St. Georges, Nfld.	50 1	18 2	8 3	40	Elisba C. LePage, Rusticoville, P.E.I.
131752	W. G. Robertson	Lanenburg	Schr—Glt	1912	LaHave, N.S.	83 4	23 4	9 7	90	Jeffrey Publicover, St. M.O., LaHave, N.S.
117162	W. H. Bowley	Windsor, N.S.	Schr—Glt	1905	Canning, N.S.	138 0	32 6	12 4	331	Wm. H. Baxter, M.O., Canning, N.S.
126106	W. H. Rowley	Ottawa	Barge—Chd	1909	Hull, Que.	113 0	24 2	7 8	179	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
130824	W. H. Smith	Lanenburg	Schr—Glt	1912	Malone Bay, N.S.	103 0	25 5	10 5	94	William Smith, M.O., Lunenburg, N.S.
100969	W. H. Waters	St. John, N.B.	Schr—Glt	1893	Westfield, N.B.	86 5	28 1	7 9	120	A. H. Gale, et al., St. John, N.B.
71274	W. J. Saffell	Ottawa	Schr—Glt	1874	Port Burwell, Ont.	122 0	26 0	9 8	208	Wm. H. Gilbert, Belleville, Ont.
122471	W. K. Graffrey	Ottawa	Barge—Chd	1907	Hull, Que.	120 1	33 6	11 4	238	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
126598	W. M. Richard	Amnapolis Royal	Schr—Glt	1910	Port Greenville, N.S.	139 4	31 1	10 5	323	The W. M. Richard Co., Ltd., Granville Ferry, N.S.
88688	W. M. Barry	St. John, N.B.	Schr—Glt	1885	Westfield, N.B.	51 1	16 0	4 4	30	Chas. A. C. Gorham, Greenwick, N.B.
122113	W. S. Calvert	Toronto	Schr—Glt	1874	Chester, Pa., U.S.A.	191 0	29 0	14 4	543	The Sarnia-Toronto Transit Co., Ltd., Toronto, Ont.
111649	W. S. Woot	Lanenburg	Schr—Glt	1901	Malone Bay, N.S.	90 8	24 7	10 0	100	Reuben F. Horwood, St. John's, Nfld.
131175	W. T. White	Lanenburg	Schr—Glt	1912	LaHave, N.S.	104 0	25 4	10 4	99	Jermiah Petite, English Harbour, Nfld.
131041	W. Robidoux	Montreal	Dredge—Drage	1912	Yamaska, Que.	85 4	26 0	5 4	128	Robidoux Sand Co., Limited, Montreal, Que.
126527	W. Rathford	Ottawa	Barge—Chd	1910	Hull, Que.	108 0	22 8	7 2	147	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
130610	Wabash No. 1	Victoria	Barge—Chd	1910	U.S.A.	50 0	15 0	3 5	20	Frances A. MacFarlane and Frederick MacFarlane, Sidney, B.C.
130768	Wain	Kingston	Scow—Chd	1914	Wolfe Island, Ont.	34 0	15 4	4 0	16	Herman B. Moore, Wolfe Island, Ont.
122049	Waldo R.	St. Andrews	Schr—Glt	1903	West Isles, N.B.	51 0	17 2	7 0	47	Winslow Richardson, West Isles, N.B.
111793	Wallo Walla	Port Hawkesbury	Schr—Glt	1906	Cheticamp, N.S.	34 0	11 2	6 6	11	Simon Bellofountain, Eastern Harbour, N.S.
92569	Walter	Halifax	Schr—Glt	1882	Red Head, N.S.	36 3	13 4	6 5	15	Robert Johnson, Halifax, N.S.
116724	Walter C.	St. John, N.B.	Sloop	1904	Lorneville, N.B.	41 9	15 5	5 5	18	J. L. Belding, Chance Harbour, N.B.
100019	Wanita	Windsor, N.S.	Schr—Glt	1897	Shelburne, N.S.	60 8	20 0	9 7	42	James F. Ogilvie, Parrsboro, N.S.
90896	Warbl	Yarmouth	Schr—Glt	1889	Shelburne, N.S.	90 4	24 2	9 7	100	A. F. Stenman, et al., Yarmouth, N.S.
126571	Warrior	Port Hawkesbury	Schr—Glt	1909	Cheticamp, N.S.	35 9	15 0	6 0	10	Robin Jones & Whitman, Ltd., Halifax, N.S.
126120	Warren G. Winters	Port Hawkesbury	Schr—Glt	1909	Lanenburg, N.S.	38 2	15 6	10 5	95	Robert W. Sarty, M.O., La Have, N.S.
100985	Wasp	Chartham, N.B.	Schr—Glt	1888	Parsons, N.B.	36 0	12 8	8 0	12	C. Robb, Collas & Co., Ltd., Jersey, C.I.
103855	Wasp	Halifax	Sloop	1897	Dartmouth, N.S.	23 6	6 6	4 0	2	R. Bauld, Halifax, N.S.
61904	Water Lily	Halifax	Schr—Glt	1870	Lynnport, N.S.	38 4	14 0	5 5	14	Donald McKenzie, Pictou, N.S.
140914	Water Snow No. 1	Vancouver	Scow—Chd	1918	Vancouver, B.C.	70 5	21 9	4 7	59	Imperial Munitions Board, Ottawa, Ont.
121786	W. M. Dohall	Ottawa	Barge—Chd	1906	Hull, Que.	121 8	24 1	8 1	196	The Ottawa Transportation Co., Ltd., Ottawa, Ont.

ALPHABETICAL LIST of Sailing Vessels on Registry Books in Canada, December 31, 1918.

LISTE ALPHABÉTIQUE des navires à voiles inscrits dans les registres maritimes du Canada au 31 décembre 1918.

© Equipped with Wireless—uni de la T.S.F.—Abbreviations—Abréviations: J.O., Joint owners—propriétaires conjoints; M.O., Managing owner—propriétaire gérant.

Official Number Numéro officiel	Name of Ship Nom du navire	Port of Registry Port d'enregistrement	Rig. Grément	Built—Constructé en	Where Built Lieu de construction	Length in feet and 10ths. Longueur en pieds et 10es.	Breadth in feet and 10ths. Largeur en pieds et 10es.	Depth in feet and 10ths. Profondeur en pieds et 10es.	Registered tonnage. Tonnage enregistré.	Owner or Managing Owner, and Address. Armateur ou propriétaire gérant, et adresse.
134204	William P.	Charlottetown	Sehr—Glt.	1914	Palmer Road, P.E.I.	39 9	12 5	5 0	13	Captain Henry Perry, Palmer Road, P.E.I.
116648	Wm. Power.	Ottawa	Barge—Chd.	1904	Ididi, Que.	112 5	24 0	8 2	168	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
133036	William Q.	Montreal	Snow—Chd.	1911	Montreal, Que.	112 5	28 1	8 5	221	Quinn & Robertson, Ltd., Montreal, Que.
134252	William Thomas.	Sydney, N.S.	Sehr—Glt.	1911	Ingonish, N.S.	36 2	12 5	7 0	41	Atretek and William Joyce, Ingonish, N.S.
110879	Williams.	St. Catharines	Barge—Chd.	1902	Buffalo, N.Y., U.S.A.	87 4	18 0	9 0	61	Charles Ross, Port Maitland, Ont.
107674	Willie.	Quebec	Sloop.	1907	St. Irene, Que.	45 6	13 2	6 0	22	Joseph Andre, Grande Baie, Que.
73962	Willie B.	Halifax	Sehr—Glt.	1870	Newport, N.S.	53 9	13 3	7 3	39	H. H. Corkum and K. Moland, Chester, N.S.
96776	Willie B.	Port Hawkesbury	Sehr—Glt.	1894	Cheticamp, N.S.	39 9	13 5	6 5	21	John F. Roach, Cheticamp, N.S.
122464	Willie M.	Yarmouth	Sloop.	1907	Clyde, N.S.	31 0	12 0	6 2	14	Walter Watts, et al., Sandy Point, N.S.
85487	Willie McGowan.	Shelburne	Sehr—Glt.	1883	Shelburne, N.S.	88 0	23 8	9 6	116	Wm. H. Moore, North Sydney, N.S.
130600	Willie Roy.	Halifax	Sehr—Glt.	1906	Fanoeak, N.S.	44 0	11 8	5 6	13	Nathan Duggan, Upper Prospect, N.S.
107732	Windward.	St. John, N.B.	Sehr—Glt.	1915	Long Island, U.S.A.	49 2	15 8	7 2	24	David A. Hambley and Award W. Copp, Parrsboro, N.S.
137922	Wing.	Charlham, N.B.	Sehr—Glt.	1915	Muson Harbour, N.B.	32 5	11 0	4 1	10	John Alexander Bizeau, Muson Harbour, N.B.
122553	Wingfield.	Collingwood	Dredge—Draque	1895	Buffalo, N.Y., U.S.A.	73 0	25 0	7 3	191	The C. S. Boone, Dredging & Construction Co., Ltd., Toronto, Ont.
97149	Winnie.	St. Andrews	Sehr—Glt.	1877	Green's Cove, N.S.	30 0	11 3	4 9	12	Thos. Bright, Sealey's Cove, N.B.
94959	Winnie G. S.	Lancaster	Sehr—Glt.	1889	Chester Basin, N.S.	45 0	16 0	7 0	26	Fred Polley, Wallace, N.S.
126233	Winnie May.	Canso	Sehr—Glt.	1908	Cole Harbour, N.S.	35 0	11 0	5 0	10	George C. Jamieson, M.O., Cole Harbour, N.S.
126121	Winnie Wing.	Kingston	Sehr—Glt.	1867	Port Howard, Wisc., U.S.A.	118 0	26 9	9 0	183	John F. Sowards, Kingston, Ont.
121690	Winnifred.	Yarmouth	Sloop.	1904	Cape Island, N.S.	32 0	11 0	6 0	10	A. Nickerson, Cape Island, N.S.
130721	Winnifred Marr.	Lancaster	Sehr—Glt.	1911	Fanoeak, N.S.	44 8	14 8	6 6	17	Marin Meagher, Canso, N.S.
100711	Winnipeg.	Montreal	Sehr—Glt.	1863	Kingston, Ont.	179 5	34 6	14 5	681	Alphonse A. Laroque, Montreal, Que.
122280	Winnipeg.	Winnipeg	Barge—Chd.	1910	Salfark, Man.	47 0	30 0	9 3	245	The Minister of Public Works, Ottawa, Ont.
107539	Winoegene.	St. John, N.B.	Sloop.	1898	Milledgeville, N.B.	29 0	10 0	2 0	7	Wm. H. Holder, St. John, N.B.
96717	Winona.	Ottawa	Barge—Chd.	1890	Grenville, Que.	110 0	24 0	5 3	149	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
111554	Winona.	St. Andrews	Sloop.	1896	Buzzards' Bay, M. a s., U.S.A.	20 0	8 3	2 0	4	Edward Maxwell, Montreal, Que.
134023	Winona.	Vancouver	Sloop.	1917	U.S.A.	27 0	8 5	2 8	5	Stanley Burke, Vancouver, B.C.
138198	Winchewar.	LaHave	Sehr—Glt.	1917	Liverpool, N.S.	117 3	25 7	11 1	149	W. Norman Reinhardt, M.O., La Have, N.S.
94983	Wona.	Toronto	Sehr—Glt.	1876	Gloucester, Mass., U.S.A.	27 6	8 6	4 6	4	Wm. P. Eddy, Toronto, Ont.
92531	Wood.	Ottawa	Barge—Chd.	1887	Sorel, Que.	111 9	22 8	8 1	171	The Ottawa Transportation Co., Ltd., Ottawa, Ont.
138504	Woodhams.	Montreal	Barge—Chd.	1881	St. Clair, Mich., U.S.A.	184 0	32 5	12 3	578	The Barge Twin Sisters Co., Ltd., Quebec, Que.
111900	Woodward No. 1.	New Westminster	Barge—Chd.	1918	Sorel, Que.	65 0	23 0	4 5	62	Torpedo Freighting & Tug Co., Ltd., New Westminster, B.C.

No.	Name	Tonnage	Registry	Agent
100973	World's Fair.....	37 2	12 4	4 8
103079	Wren.....	34 6	12 5	4 8
103183	Wren.....	35 0	13 4	6 7
126376	Wylo.....	21 7	6 5	3 4
100225	Wym.....	32 5	7 3	5 4
100812	Wyvern.....	53 0	17 0	7 0
126741	X.....	77 1	28 8	7 6
126742	X.....	76 7	28 6	7 7
126743	X.....	77 3	28 7	7 7
126849	X.....	70 9	21 8	6 3
111519	X.....	37 2	17 3	4 1
138244	X.....	39 5	10 3	5 4
122447	X.....	40 8	13 0	5 6
126238	Yakata.....	56 0	12 0	2 8
85454	Yamaska.....	107 5	22 6	9 3
96808	Youl.....	33 5	7 3	5 4
116807	Z. Gill.....	104 2	23 0	7 6
126496	Z. Lebrun.....	93 7	22 3	6 9
130783	Zambuk.....	47 5	13 1	7 2
126470	Zapotec.....	207 5	34 7	14 8
85508	Zelena.....	40 2	13 6	5 2
107917	Zelma.....	35 0	13 4	4 7
111653	Zephir No. 1.....	74 4	18 8	5 4
100920	Zephyr.....	36 3	12 4	5 0
116449	Zephyr.....	31 0	11 7	6 0
112058	Zeta.....	132 0	32 0	12 0
126903	Zevlah.....	41 5	10 8	5 7
103486	Zillah May.....	77 3	20 8	8 3
126656	Zilla.....	32 0	11 4	6 0
122900	Zoraya.....	44 2	12 5	6 4
80013	Zulu.....	29 8	11 3	4 8

*Foreign name, "No. 1." †Formerly "D. Richard."

11	Mrs. Sarah Young and F. T. B. Young, J.O., Caraquelet, N.B.	11	11	11
22	T. Ahier, Shippigan, N.B.	22	22	22
11	A. P. Hamilton, Carleton Village, N.S.	11	11	11
4	John C. Stairs, Halifax, N.S.	4	4	4
25	R. R. Kennedy, Halifax, N.S.	25	25	25
6	Daniel A. Morrison, Point Tupper, N.S.	6	6	6
159	Producers Rock & Gravel Co., Ltd., Victoria, B.C.	159	159	159
161	Producers Rock & Gravel Co., Ltd., Victoria, B.C.	161	161	161
19	George Gagnon, Malbaie, Que.	19	19	19
12	J. D. Colwell, Jansseg, N.B.	12	12	12
16	Harvey Covey, Indian Harbour, N.S.	16	16	16
12	Easton Green, Grand Manan, N.B.	12	12	12
160	Jeankichi Nishimoto, Victoria, B.C.	160	160	160
6	Aleclard Bourdon, Lanoraie, Que.	6	6	6
126	John E. Wood, Halifax, N.S.	126	126	126
94	Willie Gill, Pierreville, Que.	94	94	94
17	Zotique LeBrun, St. Auguste, Que.	17	17	17
779	Robin, Jones & Whitman, Ltd., Halifax, N.S.	779	779	779
14	George Hall Coal Company of Canada, Ltd., Montreal, Que.	14	14	14
17	James T. Smith, Rockland, N.B.	17	17	17
50	H. Frankland, Grand Manan, N.B.	50	50	50
11	Germain Marcotte, St. Emile, Que.	11	11	11
335	Robin, Jones & Whitman, Ltd., Halifax, N.S.	335	335	335
13	George C. Cook, Halifax, N.S.	13	13	13
66	William F. Remby, West Dublin, N.S.	66	66	66
16	Harry M. Wyldo, M.O., Halifax, N.S.	16	16	16
8	Spratt Balcom, Victoria, B.C.	8	8	8
16	H. F. Williams and Russell Fisher, Port Mouton, N.S.	16	16	16
8	Louisa Munroe, White Head, N.S.	8	8	8
8	Edward Hampton, St. John, N.B.	8	8	8

LIST OF VESSELS.

INDEX TO COMPOUND NAMES.

Part I—Steam and Motor Vessels.

Part II—Sailing and Unrigged Vessels.

LISTE DES NAVIRES.

PAR ORDRE ALPHABÉTIQUE DE LEURS NOMS.

1^e Partie—Navires à Vapeur et à Moteurs.

2^e Partie—Navires à Voiles et sans Mât.

STEAM VESSELS.

" A "

Adams, Freddie.
 Adder, Sea.
 Adelaide, Princess.
 Agnes, Sarah.
 Ainsworth, C. E.
 Aikins, W. J.
 Aitken, Max.
 Aitken, William.
 Albert, King.
 Albert, Prince.
 Alberni, Port.
 Alfred, Edward.
 Alice, Ada.
 Alice, Jean.
 Alice, Princess.
 Alice, St.
 All, Mac.
 Allan, Maud.
 Allan, Sir Hugh.
 Allen, D. R. Van.
 Allen, Glen.
 Alma, Marie.
 Amelia, Bella.
 Ami, Bon.
 Andrew, St.
 Anglin, R.
 Anita, Helen.
 Ann, St.
 Anne, St.
 Annis, Maud.
 Archeveque No. 1, E. L.
 Archeveque No. 2, E. L.
 Ardella, Bessie.
 Arm, West.
 Armstrong, Charles E.
 Armstrong, F. P.
 Arnold, Fanny.
 Arnott, Mary.
 Arthur, Prince.
 Asia, Empress of
 Atlin, War.
 Athol, Blair of.
 Atlantic Transfer, Canada.
 Atwood, J. R.
 Austin, Robert.
 Auto, Lady.
 Avant, En.
 Avery, F. W.
 Away, Right.

" B "

Bain, Jessie.
 Baird, Harry.
 Baker, Joe.
 Baker, W.
 Bala, City of.
 Baline, War.
 Bangs, C. W.
 Bank, Holly.
 Banning, Ethel.
 Bano, Wan.
 Barnard, Marie.
 Barnes, Frank C.
 Barr, John C.
 Barrett, Annie.
 Batt, Fred. M.
 Battle, Mary.
 Battle, Tillie.
 Bay, Aliford.
 Bay, L'Original.
 Bay, Murray.
 Bay Roamer, English.
 Bay, West.
 Bear, Silver.
 Beatrice H., Pearl.
 Beatrice, Princess.
 Bee, Sea.
 Beauty, Admiral.

Bell, Blue.
 Bell, Cassie.
 Bell, Hattie.
 Bell, Ida.
 Bell, Katie.
 Bell, Mountain.
 Belle, Eva.
 Belle, Heather.
 Belle, Highland.
 Belle, Irish.
 Belle, Killarney.
 Belle, Mohawk.
 Belle, Mountain.
 Belle, Northern.
 Belle, Norway.
 Belle, River.
 Belle, Verda.
 Bennett, J. W.
 Beresford, Lord.
 Berry, Hattie.
 Bess, Earl.
 Best, Shippigan's.
 Bill, Swift.
 Billett, Rosamond.
 Billy, Puffing.
 Binning, J. R.
 Bird, G. N. Humming.
 Bird, King.
 Bird, MoeKing.
 Bird No. 2, Humming.
 Bird, Sand.
 Bird, Sea.
 Birch, White.
 Biwa, Lake.
 Blake, Edward.
 Blanche, Mary.
 Bly, Nellie.
 Boat, Eva.
 Bobs, Little.
 Boheme, La.
 Bonney, Elmore T.
 Boone, C. A.
 Booth, C. J.
 Booth, J. F.
 Boss, Annie.
 Bothwell, George.
 Bowman, A. F.
 Boy, B. C.
 Boy, Errand.
 Boy, Gromo.
 Boy, Ladner.
 Boy, Peace River.
 Boy, Yankee.
 Boyden, J. E.
 Bradford, Elsie.
 Brankley, J. W.
 Brannen, Hilda.
 Brea, Mina.
 Breton, Cape.
 Brisay, Des.
 Brisbin, Sam.
 Brittain, R. C.
 Brook, W. D.
 Bronson, E. H.
 Bronson, H. F.
 Brooks, Le Roy.
 Brothers, Brown.
 Brothers, Smith.
 Brothers, Two.
 Brothers, Three.
 Brown, Gordon.
 Brown, Mabel.
 Bruce, J. B.
 Buchan, Flower of.
 Buckly, W. P.
 Buffalo, New.
 Buffalo, O. U.
 Buntzen, Lake.
 Burke, D. J.
 Burns, Robbie.
 Burton, Frank.
 Butler, Bessie.

By, Colonel.
 Byers, Stanley.

" C "

Canadienne, La.
 Call, Northland.
 Call, R. R.
 Cameohia, War.
 Cann, Bruce.
 Cann, John L.
 Cann, Keith.
 Cann, Mary H.
 Cann, Percy.
 Cann, Robert G.
 Cannery, Empire.
 Cape, Turret.
 Card, John L.
 Cariboo, War.
 Carillon, G. R.
 Carleton, Governor.
 Carlin, Florence.
 Carne, Derry.
 Carruthers, Janet.
 Casco, War.
 Cashel, Mont.
 Castle, Carrieck.
 Catherine, St.
 Cayuse, War.
 Celtic, New.
 Chamberlain, C. W.
 Chambers, A.
 Charger, War.
 Charles, St.
 Charles Lachenais, St.
 Charlie, Bonnie.
 Charlotte, Princess.
 Charlton, W. R.
 Chatham, City of.
 Chief, Salmon.
 Chilkat, War.
 Christopher, Mary M.
 Chuck, Skookum.
 Chula, Chila.
 City, Dalhousie.
 City, Garden.
 City, Orchid.
 City, Queen.
 City, Rose.
 City, Sarnia.
 City, Soo.
 Clair, St.
 Clare, Lady.
 Clare, Nina.
 Clark, Alex.
 Clark, Ivy.
 Clark, Minnie A.
 Clark, T. J.
 Clarke, Alfred.
 Cliff, White.
 Clinton, City of.
 Clive, Lucy.
 Clossett, Joseph.
 Cloud, Flying.
 Co, No-Tra.
 Cole, C. W.
 Columbia, British.
 Comeau, E. L.
 Comfort, Solid.
 Comox, War.
 Consee, A. B.
 Conroy, A. L.
 Conroy, Ed.
 Cook, A. B.
 Coolen, Helen M.
 Corkum, M. E.
 Court, Turret.
 Cove, Beaver.
 Cove, Sea.
 Cox, Charlotte G.
 Cox, J. G.

Craig, Ailsa.
 Craig, Annie.
 Crawford, A. V.
 Creima, Nora.
 Croix, St.
 Crosby, Thomas.
 Cross, A. D.
 Cross, Northern.
 Crow, D. W.
 Crowe, G. R.
 Crown, Turret.
 Currier, Annie.
 Curtis, H. C.
 Cutting, Francis.
 Cuyler, Geo. W.

" D "

Daisley, Mary E.
 Dan, Little.
 Davis, Hy. D.
 Davis, Wm.
 Davitt, Michael.
 d'Arc, Jeanne.
 Deer, Sea.
 Delta, New.
 Demon, Petit.
 Derbyshire, Senator.
 Deschallons, St. J.
 Desir, Bon.
 Devaux, Ella.
 Dew, Morning.
 Dey, D. P.
 Dick, Roy B.
 Dickie, J. W.
 Dieu, Don de.
 Diver, J. M.
 Dobson, R. H.
 Dods, W. D., Agnes.
 Dollar, Bessie.
 Dollar, Harold.
 Dollar, Hazel.
 Dollar, Melville.
 Donna, Bella.
 Doone, Lorna.
 Doreen, P.
 Douglas, Sir.
 Douglass, Port.
 Dover, City of.
 Downey, Robert.
 Doyle, Tim.
 Dredge No. 1, Q.H.C.
 Dredge No. 2, Q.H.C.
 Dresden, City of.
 Drummond, Thomas J.
 Duck, Puddle.
 Dudley, Joe.
 Dufferin, Lord.
 Dunbar, C. F.
 Dumsmuir, Robert.
 Dupré, F.
 Dyke, Madeleine.
 Dymont, N.

" E "

Eagle, War.
 Earl, Dorothy.
 Earleton, W.
 Echo, Bow.
 Echo, Northland.
 Eddy, C. F.
 Eddy, Lulu.
 Edensaw, War.
 Edmonton, City of.
 Edna, Sadie.
 Edward, Charles.
 Edward, King.
 Edward Ferry, Prince.
 Egan, Wiley M.

" E "	Graham, Florence I. Graham, Hazel. Grain Boat No. 1, Q.H.C. Grant, F. W. Grant, W. Gravel, J. O. Graves, Holland & Gray, Dolly. Gray, G. R. Gray, Jessie. Gray, Margaret M. Green, Edith M. Gregory, James S. Grey, Lady. Grey, Point. Grower, Grain. Guard, Coast. Guest, W. J. Gull, Sea. Gutro, Corrine. Gwyn, Twyn.	Hurdman, H. L. Hurdman, J. T. Hurdman, R.	Kitchener, Lord. Kitimat, War. Kong, Hong.	
Elena, Gladys. Elgin, Port. Elizabeth, Frances. Ellen, Jessie. Ellen, Mary. Ellice, Point. Elme, Saint. Else, J. C. Emely, Little. Emerson, George. Emerson, W. J. Ena, Princess. Erie, Glen. Essie, Beryl. Ethel, Mary. Etienne, St. Evelyn, Lady. Evelyn, Sadie. Express, B. C. Express No. 1, Marine.	" I "	" L "	L. Mary S.T. Lachenais, St. Charles. Ladner, Wm. H. Lady, Gray. Ladysmith, City of. Lafontaine, A. Lake, Lady. Lake, Rainey. Lake, Seaton. Lake, Stoney. Lal, Sal. Lamb, C. R. Langley, Fort. Lass, Saucy. Lassie, Island. Lassie, Scotch. Laughlin, Mary A. Launch, High View. Laura, Minnie. Laurent, St. Laurie, Annie. Laurier, Lady. Laverdure, E. G. Lawrence, St. Le Blanc, B. and M. Le Blanc, Delemon Le Blanc, Marie H. Le Grand, Samuel Lea, Albert. Leaf, Holly. Leaf, Ivy. Leaf, Laurel. Leaf, Maple. Leaf, Oak. Lee, Fred. A. Lee, W. H. Lenore, Frances. Lester, Joseph. Levy, Laura M. Levy, S. F. Lewis, Elgin L. Light, Northern. Lighter No. 1, Hudson Bay Terminals. Ligne, Grande. Lily, Ocean. Lily, Water. Lime, Legal. Lime, Pole. Lion, British. Lion, Sea. Lloyd, C. C. Loggie, Gray. Logie, John. Lomer, Sir. London, City of. Long, Edward. Longmire, Alice Lof, W. R. Los, De. Louis, St. Louise, Marie. Louise, Mary. Louise, Princess. Low, Bush, S. S. Lowe, E. E. Luce, Mabel. Lue, Ida. Lumberman, United. Lund, City of. Lund, North of. Lunn, Annie. Lyon, Charles. Lyons, Doris J.	
" F "	" H "	" J "		
Ferguson, A. Ferry, Laval. Ferry, Prince Edward. Ferry, Rock. Fisher, Thomas. Fisk, Edward. Flower, May. Flower, Meadow. Fly, Dragon. Fly, Fire. Fly, Shoo. Flyer, Port Mellon. Foam, Sea. Follette, James W. Forrest, Lady W. Forrest, W. L. Fors, H. Forward, Jessie. Foster, R. R. Foster, Stanley. Four, Jolly. Fox, Black. Fox, Silver. Frances, Beatrice and Frances, Clara. Frances, Leila and Franklin, Lady. Franz, W. C. Fraser, Alexander. Fraser, B. M. Fraser, Fort. Fraser, John. Fraser, Lady. Friends, Two. Friolet, H. Frost, E. E. Fry, Vera S. Fryer, Robert L.	Hackett, J. H. Hackett, M. E. Hackett, Margaret A. Haggarty, J. H. G. Hagart, John. Haifa, War. Haileybury, City of. Hale, Lorne. Hall, Adam. Hall, Bob. Hall, Henry B. Hall, Jessie. Hall, Mary. Hall, Stephen C. Halliday, Charles. Hamill, J. D. Hamilton, City of. Hammond, Robert C. Hancock, John. Hanlan, John. Haney, Margaret. Hannah, Arthur. Harness, Sir Henry. Harris, Geo. A. Harrow, W. G. Hart, Una E. Hat, China. Have, La. Hawk, Night. Head, Cellar. Healy, Tim. Hector, Sir. Heitman, Wm. Helen, A. R. Helen, Carrie. Hemans, Capt. Henri, St. Henry, W. J. Here, C. Hewis, J. D. Hickler, Clara. Hickler, Laura. Hickler, Pauline. Hiesordt, P. S. Hilda, Alice. Hilda, Helen and Hill, Annie C. Hill, Blue. Hiltz, Sadie. Hodge, Lily M. Hodgkins, Evelynne. Hodgson, Fred. A. Holcomb, Ralph T. Holland, Grace. Holly, James. Holmes, Perley. Hope, Point. Horne, J. T. Horse, White. House, White. Howard, J. Howden, James. Hubley, Stanley. Hume, Jessie. Humming Bird, G. N. Hunter, G. D. Hur, Ben.	Jack, Black. Jack, Slippery. Jackson, Lena. Jacques, Jean and Jacques, St. Jacques II, Jean. Jane, Ida. Jansen, Senator. Jap, Little. Japan, Empress of. Jarvin, T. J. Jarvis, Commodore. Jean, Ethel. Jeanette, La. Jelley, Henry F. Jennie, A. H. Jennie, Alice and. Jennie, Eu. Jex, H. N. Jim, Captain. Jim, Lucky. Jim, Uncle. Joe, St. John, Prince. John, St. John, Sir. Johnson, George H. Johnston, Eva. Johnston, Wm. Jones, Charlie. Jones, Davey. Joseph, Louis. Joseph, St. Josephine, Marie Juan, San. Julian, St. June, Jennie. June, Opal. Juste, De St.	Jack, Black. Jack, Slippery. Jackson, Lena. Jacques, Jean and Jacques, St. Jacques II, Jean. Jane, Ida. Jansen, Senator. Jap, Little. Japan, Empress of. Jarvin, T. J. Jarvis, Commodore. Jean, Ethel. Jeanette, La. Jelley, Henry F. Jennie, A. H. Jennie, Alice and. Jennie, Eu. Jex, H. N. Jim, Captain. Jim, Lucky. Jim, Uncle. Joe, St. John, Prince. John, St. John, Sir. Johnson, George H. Johnston, Eva. Johnston, Wm. Jones, Charlie. Jones, Davey. Joseph, Louis. Joseph, St. Josephine, Marie Juan, San. Julian, St. June, Jennie. June, Opal. Juste, De St.	
" G "	" K "	" M "		
G. W., Annie. Ganda, Gow. Gara, Ian. Garou, Loup. Garry, Point. Gaspé, Lady of. Gauthier, Harold. Geary, G. R. George, Prince. George, St. Gertie, Cora. Glasier, Fred. Glasier, Helen. Glasier, Lilly. Goodwin, Joe. Gordon, D. A. Goreham, Eliza. Gorman, Pete. Gowrie, Lass of. Grabell, S. B. Grace, De. Grace, Edna. Grace, Laura. Graff, Mary F.	Kelly, Gordon. Kennedy, Susie. Kenni-Gi- Ketchum 2nd, John B. Kid, B. C. Kid, Yellow. Kilda, St. King, Bonanza. King, Erl. King, G. K. King, Gravel. King, Muggie R. King, Midland. King, North. King, Rapids. King, Rideau. King, Salmon. King, Sand. King, Sea. King, Storm.	Mae, Amelia. Mae, Bonnie. Mae, Christena. Mae, Donald. Mae, Elsie. Mae, Emma. Mae, Jenne.		

SESSIONAL PAPER No. 22

	" M. "		
Mac, Jessie.	Minto, Lady.	No. 1, P.W.D.	Paul, L.
Mac, Jolly.	Misener, E.	No. 1, Port Mann.	Paul, Peter.
Mac, Lena.	Mist, Maid of the.	No. 1, Q.H.C. Grain Boat.	Paul, St.
Mac, Roy.	Moiles, Annie.	No. 1, Saginaw.	Peach, Muriel.
MacAulay, Laird.	Monk, John E.	No. 1, Traversier.	Peaks, The Daughter of the
MacDonald, Mabel.	Monkey, Powder.	No. 1, W.	Pearl, Richibucto.
Maekay, Robert.	Montgomery, J. H.	No. 11, Eleanor.	Pedwell, Henry.
Maeka, 4.	Moody, Port.	No. 11, Yandji.	Fee, Tee.
Maekworth, Lady.	Moon, Full.	No. 2, Laval.	Pendergast, James.
MacNamara, Jean.	Moon, Half.	No. 2, M. & F. Hopper	Perew, Frank.
Maid, B. C.	Moor, Dinty.	Barge.	Peter III, Blue.
Maillet, A. L.	Moore, Daisy.	No. 2, North Vancouver	Peter, St.
Main, Maggie.	Moore, John R.	Ferry.	Petrie, A. M.
Maitland, Thomas.	Moore, Judge.	No. 2, Ontario.	Phelan, T. P.
Manan, Grand.	Moore, Maud.	No. 2, Q.H.C. Dredge.	Phillipe, Louis.
Mann, D. D.	Moran, Eugene F.	No. 2, Quathiaski.	Phillip, King.
Maquinna, Princess.	Moran, Julia C.	No. 2, Rambler.	Phillips, Harold B.
Marchement, S. W.	Moran, M.	No. 2, Skookum.	Phippen, F. H.
Maree, M.	Morden, W. Grant.	No. 2, W.	Fing, Mou.
Marguerite, Lottie and	Morgan, James.	No. 3, Laurentide.	Piper, Geo. F.
Maria, Santa.	Morley, W. B.	No. 3, M. T. Co.	Pistoles, Trois.
Marie, Anne.	Morrell, R. J.	No. 3, Mayflower.	Pioneer, Old.
Marie, Aurore.	Morris, M. H.	No. 3, New Castle.	Playfair, James.
Marie, Eva.	Morrison, Geo. D.	No. 3, North Vancouver	Plume, Egret.
Marie, Ville.	Morrison, J. D.	Ferry.	Point, Garry.
Marshall, Frank.	Morse, Bessie L.	No. 3, Quathiaski.	Point, Roche.
Marshall, Samuel.	Mumford, J. A.	No. 3, Supply.	Poirier, H.
Martin, Dell.	Munro, Daniel M.	No. 4, W.	Portage, Rat.
Martin, Francis.	Murphy, W. L.	No. 5, Quathiaski.	Powell, C. B.
Martin, J. C.		No. 5, West Vancouver.	Pratt, D. S.
Martin, Mildred.	" Me. "	No. 5, New castle.	Pratt, John.
Maru, Fuji-Mi.	Mc, Eleanor.	No. 7, P.W.D.	Price, Edwin.
Maru, Takara.	Mc, Laura.	No. 7, Quathiaski.	Pride, Call Creek's.
Maru, Logo.	McAulay, Frank G.	No. 7, Wales Island.	Pride, Fisherman's.
Marwick, David.	McCarthy, D'Alton.	No. 8, M. & F.	Pride, Traeadie's.
Maru, Isourae.	McCarthy, J. J.	No. 8, Quathiaski.	Prince, Circassian.
Mary, Bold.	McCarthy, J. J.	No. 8, Wales Island.	Prince Albert, City of.
Mary, Ella.	McColl, J. B.	No. 9, Wales Island.	Prince, Midland.
Mary, Highland.	McColl, Mildred.	No. 10, Quathiaski.	Prince, Rapids.
Mary, Princess.	McCormick, Isabella.	No. 14, M. & F. Dredge.	Prince, Salmon.
Mason, C. S.	McCrea, Donald H.	No. 15, M. & F. Dredge.	Princess, Island.
Mason, H.	McCrea, Elsie.	No. 201, P.W.D.	Princess, Harrison.
Mason, P. B.	McCrea, Frank N.	Noble, John J.	Purdy, D. J.
Mason, Thos.	McDonald, J. H.	Noel, Lena.	
Masset, War.	McDonald, M. G.	Noel, Marie.	" Q "
Mathieu, Tommy.	McDonald, Robert.	Noreross, Jessie.	
Mattes, Alice.	McIntosh, G. P.	Nord, Cap.	Queen, Cypress.
Matthews, W. D.	McKay, John.	Nord, Pole.	Queen, Fire.
Maud, Alice.	McKee, J. A.	Norman, Fred and.	Queen, Forest.
Maud, Hazel.	McKeowan, James.	Notter, G. H.	Queen, Gipsy.
Maunder, Mary.	McKinstry, A. E.	North, Cock o' the.	Queen, Harrison.
Maurice, St.	McLean, Helen G.	North, Wanderer of the.	Queen, Little.
May, Annie.	McLeod, D.	Nova, Terra.	Queen, Mohawk.
May, Allena.	McLeod, J. B.	Now, Where.	Queen, Motor.
May, Bertha.	McLeod, Titus.	Nymph, Lady.	Queen, Outlet.
May, Clara.	McMahon, Agnes.		Queen, Port Elgin.
May, Dorothy.	McMaugh, Heward.	" O "	Queen, Quinte.
May, Elsa.	McMurray, Fort.	O'Brien, Julian V.	Queen, Rapids.
May, Emily.	McNab, Davis.	O'Brien, M. J.	Queen, Rideau.
May, Ethel.	McNaughton, P. B.	Oak, Silver.	Queen, Sea.
May, Florence.	McPherson, Fort.	Oggell, E. C.	Queen, Somas.
May, Gene and.	McRae, Commodore.	Ogilvie, William.	Queen, Sombrio.
May, Lena.	McRae, John.	Oh, See Em.	Queen, De
May, Lilly.	McRae, Wm. F.	Olaf, Prince.	
May, Lina.	McVeittie, A.	Olbee, Lo.	" R "
May, Lizzie.		Oldfield, W. S.	Racine, Alphonse.
May, Lula.	" N "	Orde, Colleen.	Rae, Mary.
May, Maggie.	Nabee, Senawa.	Ormonde, Lord.	Ralph, Harvey and
May, Minnie.	Nanoose, War.	Osborne, T.	Range, Kerry.
May, Princess.	Neilson, James.	Osler, E. B.	Ranger, Spanish.
May, Ruth.	Nelson, J. L.	Ottawa, City of.	Runney, Gertrude A.
May, Vera.	New York, City of.		Randall, John.
May, 3rd, Lady.	Nicholas, St.	" P "	Rap, Rip.
May, Ysabel.	Nickerson, Dorothy F.	Packer, Harry E.	Rapids, Grand.
Mayes, G. S.	Nickerson, Florence M.	Packet, La Have.	Raven, Black.
Maytham, George.	No. 1, Dominion Park.	Paine, J. B.	Ray, Lula M.
Meaford, City of.	No. 1, Giant.	Paint, Fred. L. M.	Ray, Prince.
Meri, Ta.	No. 1, Kingome.	Palos, Cap.	Rayside, J. S.
Messenger, Hudson's Bay.	No. 1, Laval.	Parnell, C. S.	Read, C. E.
Metabetchouan, St. Louis	No. 1, M. T. Co.	Pass, Let Me.	Reid, Aggie B.
de.	No. 1, M. & F. Hopper	Pass, Pine.	Reid, Ethyll.
Merritt, C. H.	Barge.	Passage, Eastern.	Reid, Mabel.
Michigan, Lake.	No. 1, Marine Express.	Patch, Dan.	Reine, La.
Mildred, Evelyn H.	No. 1, National.	Patricia, Princess.	Rhodes, Robert R.
Miller, C. L.	No. 1, North Vancouver	Pattee II, G. B.	Ridge, Vimy.
Miller, J. C.	Ferry.	Paul, F.	Rights, Equal.
Miller, Maggie.	No. 1, Ontario.	Paul, J.	Risser, Sadie J.
Mills, J. E.	No. 1, P.R.T.	Paul, J. A.	Ritchie, David.
Minor, John A.			Ritter, Charles W.

- " R "
- River, Bear.
 River, Mossy.
 River, North.
 River, Oose.
 River, Peace.
 River, Slave.
 Rivieres, Trois.
 Roamer, English Bay.
 Roberts, Lord.
 Robertson, Mary I.
 Robidoux, L.
 Robinson, Hiram.
 Rock, St.
 Rock, Granite.
 Rock, The High.
 Rock, Plymouth.
 Roebling, F. W.
 Rollar, Wm.
 Rolph, John.
 Rose, Baltic.
 Roses, Five.
 Rooney, Wm. E.
 Rooth, William A.
 Roque, Russell.
 Rose, Sea.
 Rose, Wild.
 Ross, E.
 Ross, Elsie.
 Ross, Ethel.
 Ross, Gertrude.
 Roy, Beatrice.
 Royal, Princess.
 Roxy, John.
 Ruby, Grace &.
 Rule, Home.
 Rupert, Dixie.
 Russell, Donald Patrick.
 Russell, Jno. E.
 Russell, W. B.
 Russia, Empress of.
 Ruth, Hazel.
- " S "
- St. Boniface, City of.
 St. Juste, De.
 St. Leon, Annie.
 St. Pierre, Lac.
 San Diego, City of.
 Sault, Long.
 Sawyer, Edgar P.
 Scagel, Willie.
 Schofield, J. D.
 Scott, Charley M.
 Scott, Walter.
 Sea, Merry.
 Seaman, Lillie.
 Seath, David.
 Second, Peter Pan.
 Seibold, Wm. H.
 Selkirk, City of.
 Sena, Manu.
 Sewell, Allan.
 Seymour, W. H.
 Shan, What.
 Shaw, Chas.
- Shaw, R. G.
 Shell, Sea.
 Shores, Jr., E. A.
 Shrigley, James.
 Shippigan, Star of.
 Side, East.
 Side, River.
 Sigogne, M.
 Sigouin, Georges.
 Simpson, Port.
 Skeena, War.
 Skinner, R. J.
 Skogaid, Chief.
 Slope, Western.
 Smith, Andrew J.
 Smith, C. R.
 Smith, Geo. Winfield.
 Smith, Gladys M.
 Smith, Home.
 Smith, J. M.
 Smith, Lady.
 Smith, M. E.
 Smith, T. W.
 Snow, Dorothy G.
 Sophia, Letitia.
 Sound, Howe.
 Sound II, Howe.
 Spark, Vital.
 Spear, J. R.
 Spratt, John H.
 Sprite, (The Water).
 Spur, Flying.
 Stalker, Hugh.
 Stanley, Frank H.
 Stanton, Ray.
 Staples, Howard.
 Star, Centre.
 Star, Dav.
 Star, Light.
 Star, Morning.
 Star, Northland.
 Star, White.
 Starratt, Grier.
 Stearns, G. M.
 Steedman, Jean.
 Stella, Marie.
 Stevens, Frank B.
 Stevens, M., Blanche.
 Stewart, Archie.
 Stewart, Emily.
 Stewart, Henrietta.
 Stewart, Mabel.
 Stewart, Martha.
 Stewart, T. A.
 Stikine, War.
 Stone, Walter H.
 Storey, James.
 Stover, John R.
 Strathcona, Lord.
 Stream, Golden.
 Stuart, Jack.
 Sullivan, Mary.
 Suquash, War.
 Sun, Northland.
 Sumas, War.
 Sun, Rising.
 Swan, Mary.
 Symons, Dorothy.
- " T "
- Taylor, J. Frater.
 Taylor, Joseph.
 Taylor, W. J.
 Tan, Roi.
 Tannoo, War.
 Temagami, Belle of.
 Temagami, Queen of.
 Tender, Dominion.
 Terashita, T.
 Thomas, D. A.
 Thomas, Douglas H.
 Thompson, J. S.
 Thomson, Douglas H.
 Thorburn, Gladys.
 Thurston, Nellie.
 Tidings, Glad.
 Time, On.
 To, Where.
 Todd, Charles.
 Tom, Jim and.
 Tom, Uncle.
 Tour, La.
 Tow, No.
 Tractor, Sea.
 Trader, Gaspé.
 Trader, Northland (The).
 Transfer, Canada Atlantic.
 Transfer, Hope.
 Tremblay, A.
 Trotter, Marion E.
 Trudel, H.
 Twain, Mark.
 Twist, Oliver.
 Twohig, F. C.
 Tyee, Ear.
- " U "
- Upham, J. H.
- " V "
- Val, Du.
 Vale, Maide.
 Valley, Lillie.
 Van, Lady.
 Van Allen, D. R.
 Vancouver, West.
 Vancouver No. 5, West.
 Vandenburg, Miss.
 Vernon, City of.
 Vezina, S.
 Vien, Va et.
 View, River.
 Villa, Glen.
 Viola, Helen.
 Viola, Nellie.
 Visger, Captain.
 Vista, Buena.
- " W "
- Wade, Port.
 Waffle, T. J.
- Ward, J. W.
 Warren, Homer.
 Wasp, War.
 Way, (The) Only.
 Weatherspoon, W. M.
 Weaver, R. G. A.
 Weddell, Rob. G.
 Wee, Ride a.
 Weeks, Five.
 Weitzel, General.
 Wells, Cora.
 Western, Great.
 Whalen, Edward C.
 Whalen, Laurel.
 Wheaton, A. J.
 Wheaton, James.
 When, Say.
 Wherry, M. E.
 Whitaker, Byron.
 White, Annie B.
 White, B.
 White, Colonel.
 White, Etta.
 Whiz, G.
 Widow, College.
 William, Georges.
 Williams, Phyllis.
 Williams, St.
 Willow, Tit.
 Wilson, William.
 Wind, Beat the.
 Winds, Four.
 Wind, North.
 Wing, Heron.
 Wing, Whistle.
 Wings, White.
 Windie, Mary.
 Winton, Jack.
 Witch, Water.
 Witherbee, J. G.
 Witt, De.
 Wolff, Julius.
 Wolseley, Lord.
 Wolvin, Geraldine.
 Wootsie, Tootsie.
 Wynacht, Violet B.
- " Y "
- Yates, George W.
 Yex, Ka.
 York, Duchess of.
 Young, Clara W.
 Young, Ella M.
 Young, George E.
 Young, J. H.
 Young, John.
 Young, Zelma T.
 Yount, Barbara.
- " Z "
- Zibassa, Chief.
 Zwicker, G. B.

SESSIONAL PAPER No. 22

SAILING VESSELS.

" A "

Abbey, Olivia.
 Aberdeen, Lady.
 Ada, Jessie and.
 Adams, Dorothy.
 Adams, Douglas.
 Adams, Frank H.
 Adams, Marion.
 Adams, Mildred.
 Adams, Ruth D.
 Adela, Marie.
 Adelaide, Esther.
 Adele, Edith.
 Adelaide, Marie.
 Adelmina, Maria.
 Again, Try.
 Agnew, Effie J.
 Alba, Rose.
 Albert, H. P.
 Albert, Levi.
 Albert, M. J.
 Albert, William.
 Aleta, Dorothy.
 Alexander, Fort.
 Alice, Maggie.
 Alice, Mary.
 Allan, Eliza.
 Alma, Blanche.
 Almada, Marie.
 Alphonsine, Marie.
 Alvina, Marie.
 Anderson, Annie B.
 Anderson, Jane.
 Andrews, Abbie L.
 Andy, Handy.
 Ange, Marie.
 Ann, Eliza.
 Ann, Elizabeth.
 Ann, Hattie.
 Ann, Joseph.
 Ann, Julia.
 Ann, Julie.
 Ann, Margaret.
 Ann, Marie.
 Ann, Mary.
 Anna, Rose.
 Anne, Elie.
 Anne, Marie.
 Anne, Ste. Marie.
 Annie, Jennie and.
 Annie, Little.
 Annie, Violet and.
 Antoinette, Marie.
 Anny, J.
 Arca, Foederis.
 Armstrong, E. E.
 Arnoldi, John R.
 Arthemise, Marie.
 Ashley, Jessie.
 Atalanta, Marie.
 Atwood, Alice M.
 Atwood, M. F.
 Auger, H.
 Avon, Princess of.
 Awake, Wide.
 Ayer, Sarah P.

" B "

Backman, Hilda M.
 Backman, Marjorie E.
 Baker, Mildred.
 Balfour, Arthur J.
 Ball, Snow.
 Ballou, H. M.
 Banks, Nellie J.
 Baptiste, St. Jean.
 Bar, Beacon.
 Barber, James.
 Barnard, Marie.
 Barnston, Dredge.
 Barry, W. R.
 Barteaux, A. B.

Bartlett, A. C.
 Bartlett, Ethel M.
 Barton, Ida M.
 Battie, Geraldine.
 Baxter, W. H.
 Bay, Thunder.
 Bayard, Thomas F.
 Bear, Big.
 Beatrice, Helen and.
 Beatrice, Lottie M.
 Beatrice, Marie.
 Beatrice, Mary.
 Beatrice, R.
 Beck, Cecil L.
 Bedford, Mary.
 Bell, Flora.
 Bell, Gertrude.
 Bell, Ida.
 Bell, Katie.
 Bell, Lillie.
 Bell, Maggie.
 Bell, Mary M.
 Bell, Mary M.
 Bell, Minnie.
 Bell, Silver.
 Bell, Simeon H.
 Belle, Autumn.
 Belle, Bertha.
 Belle, Edna.
 Belle, Elva.
 Belle, Gertrude.
 Belle, Heather.
 Belle, Medway.
 Belle, Miscou.
 Belle, Ocean.
 Belle, Oressa.
 Belle, Pokesudie.
 Belle, River.
 Belle, Sissie.
 Belle, Village.
 Bellevue, Emma.
 Bells, Three.
 Bend, North.
 Benner, Clara A.
 Bennett, Annie.
 Bertha, Marie.
 Bertha, Marie.
 Betty, Lady.
 Bibeau, A.
 Bibeau, C.
 Billow, Sparkling.
 Bird, Lady.
 Bird, Red.
 Bird, Roving.
 Bird, Sea.
 Bird, Spring.
 Bird, White.
 Bishop, Ada D.
 Blackburn, R. L.
 Blanchard, Emile.
 Blanchard, F.
 Blanche, G.
 Blanche, Lottie M.
 Blanche, Marie.
 Blanche, Nina.
 Bluteau, G.
 Boone, Charles.
 Booth, John R.
 Borden, R. L.
 Boudreau, M. C. G.
 Boudrot, S. D.
 Boutillier, Lila.
 Bow, Golden.
 Boy, Arab.
 Boy, Benecia.
 Boy, Hay.
 Boy, News.
 Boy, Sand.
 Boy, Stone.
 Boyd No. 1, J. F.
 Brainard, Katie.
 Branch, River.
 Breck, Marion L.
 Bremner, E. R.
 Bride, Minnie.

Brier C. Wild.
 Brinton, Frank J.
 Brittoliffe, W. F.
 Brooks, Ina.
 Brothers, Arseneau.
 Brothers, Burque.
 Brothers, Four.
 Brothers, Haines.
 Brothers, Hawley.
 Brothers, Lewis.
 Brothers, Three.
 Brothers, Two.
 Brow, Emma.
 Brown, Jessie.
 Brown, R. H.
 Buckhout, B. B.
 Buell, A. A.
 Bull, John.
 Burke, Emilien.
 Burke, Ida M.
 Burns, Katie A.
 Burrard, Drill Boat.
 Burstall, J.
 Burton, F. H.
 Burton, Mary E.
 Bush, Money.
 Butler, M. J.

" C "

Cable Co. No. 1, Pacific Coast.
 Calkins, Bertie.
 Calumet, No. 1.
 Calvert, W. S.
 Campbell, Ida O.
 Campbell, Jean.
 Cann, Malcolm.
 Canuck, Jack.
 Cap, White.
 Carney, Fred.
 Carrie, Ethel and.
 Carter, Maud.
 Carveth, Flora.
 Case, Will W.
 Casey, Lyman.
 Catherine, Lizzie.
 Catherine, Mary W.
 Cavell, Edith M.
 Celia, Marie.
 Celina, Marie.
 Charley, Little.
 Charlie, Mattie and.
 Chase, M. and L.
 Chiasson, Marie.
 Chief, Lasqueti.
 Chief, Quinte.
 Child, Ocean.
 Chisholm, C. A.
 Christian, Robert R.
 Christmas, Merry.
 City, Central.
 City, Coquitlam.
 Clark, Kate.
 Clark, W. C.
 Clarke, Ida M.
 Claude, Marie.
 Clipper, Eastern.
 Clodia, Marie.
 Coin, Laurent au.
 Colgate, Freeman.
 Collins, J. E.
 Colp, Lucille M.
 Columbia, S. M.
 Colwell, E. B.
 Connaught, Duke of.
 Conrad, Annie E.
 Conrad, Douglas B.
 Conrad, Norma L.
 Conrad, E. D.
 Conway, Thomas J.
 Cook, Francis D.
 Cook, Minnie M.
 Coolen, Norma P.
 Corkum, Clark L.

Corkum, Doris L.
 Corkum, Irene M.
 Corkum, Elsie L.
 Corkum, Lillian B.
 Cormier, P.
 Cousins, Three.
 Cox, J. J.
 Cox, Jane.
 Cox, R. M.
 Crane, Willard.
 Creaser, Donald A.
 Creaser, Kathleen C.
 Creaser, Lucille B.
 Croft, J.
 Crombie, W. A.
 Crosby, Helen M.
 Crowell, Elisha.
 Culmer, Mary.
 Cunningham, Ida M.
 Current, Swift.
 Curry, Aggie.
 Curwin, H.

" D "

Dakin, J. C.
 Dale, River.
 Dale, Robert J.
 Daley, Claude B.
 Daneau, E.
 Daniel, King.
 Dansereau, Geo.
 Darling, True.
 Davidson, William.
 Davies, E. H. Wharton.
 Davis, A. C.
 Davis, Alice J.
 Davis, George F.
 Davis, Helen.
 Davis, James.
 Davis, Lyman H.
 Davis, Minnie.
 Dawn, Early.
 Dawn, Rising.
 Day, John.
 Day, Josie L.
 Day, Peep O'.
 Day, Sunny.
 Denvers, Mable.
 Decora, Maria.
 Degagne, J. Z.
 Deep River, No. 5.
 Deep River, No. 6.
 Delaney, M. M.
 Dell, Hazel.
 Delphine, Marie.
 Demarais, L. T.
 Dennis, John E.
 Derrick Scow, S. McN.
 Desert, Grand.
 Dewey, Commodore.
 Dicks, Henry H.
 Dicks, Minnie J.
 Dickson, Harry.
 Dieu, Le Don de.
 Dina, Edouard.
 Dipper, Great.
 Dixon, Nellie.
 Dobbins, D. P.
 Dobell, W. M.
 Dominion, New.
 Donaldson, B.
 Donovan, Beatrice.
 Donovan, Elizabeth.
 Dora, Minnie M.
 Doucet, Joseph.
 Douglas, James.
 Douglas, Marion G.
 Dow, George.
 Drake, Admiral.
 Dredge No. 1, Toronto Harbour Commission.
 Dredge No. 2, Toronto Harbour Commission.

Dredge No. 3, Toronto Harbour Commission.
Dredge No. 11, M. & F.
Dredge No. 12, M. & F.
Dredge No. 13, M. & F.
Drill Boat No. 6, J. E. Russell's.
Duck, Sea.
Duff, Jean Dundonald.
Duguay, Reno.
Dunn, Stuart H.
Dunphy, Mary A.

" E "

Eagle, Grey.
Eagle, White.
Earle, Joseph.
Easy, Free and
Eecles, Katie.
Eeole, Maid of.
Eddie, Little.
Edna, L.
Edna, Linnie and.
Edna, Mary.
Edouard, Charles.
Edward, King.
Edward, Prince.
Edwards, G. C.
Eileen, Rose.
Eisnor, A. G.
Elaine, Mildred.
Elena, Gladys.
Elida, Marie Louise.
Elise, Marie.
Eliza, Marie.
Elizabeth, Marie.
Elizabeth, Mary.
Elizabeth, W. F.
Ella, Katie and.
Ella, Maggie.
Ellen, Louisa.
Ellen, Mary.
Ellen, Maudie.
Ellis, Harry C.
Ellis, Sarah E.
Ellsworth, Col.
Elsie, Ena and.
Elvina, C. M.
Emelie, Marie.
Emeline, Hattie.
Emeline, Mary.
Emerson, Marion.
Emma, Mary.
Emma, Marie.
Emmerson, H. R.
Empire, United.
England, Peter.
English, May.
Ernst, J. H.
Esther, Maggie and.
Ethel, Geneva.
Ethel, Grace and.
Etoile, Marie.
Eunice, Utah and.
Eva, Hattie and.
Evans, David.
Evans, Leslie.
Evelyn, Augusta.
Evelyn, Vira.
Ewen, Frank D.

" F "

Fader No. 3, E. J.
Fader No. 4, E. J.
Fair, World's.
Fairen, Frank.
Falt, Edward S.
Faulkner, Mary E.
Fay, J. B.
Faye, Emerson.
Ferry, Dorval.
Ferryboat, Rose Point.
Fides, Bona.
Filer, Grace M.
Finder, Gold.
Fish, Sea.
Fish, White.
Fisher, Eliza.

Fisher, King.
Fitch, Edson.
Fitzhugh, Henry.
Flash, Electric.
Fleet, Pride of the.
Florence, Bessie.
Florence, Lily.
Florence, Mary M.
Flower, Sea.
Fly, Sand.
Foam, Flying.
Foam, Sea.
Foley, W. F.
Fougere, Lady.
Fox, Sea.
Frances, Laurette.
Frances Louise, Madeline.
Francis, Minnie.
Frank, Dredge.
Frank, John and.
Franklin, Lady.
Franklyn, M. A.
Fraser, Wilma.
Fraserville, St. Patrick de.
Frees, D. B.
Friant, White and.
Fritchie, Barbara.
Fulton, E. A.

" G "

Gardner, Frances.
Gardner, M. M.
Gaskill, Mollie G.
Gaskin, John.
Gauntlet, Red.
George, King.
George, Lloyd.
Georger, F. A.
Georgina, Marie.
Georgina, Rosa.
Gertie, Alma L.
Getson, Daniel.
Giant, Little.
Gidney, Emma.
Gill, D.
Gill, Z.
Gillam, Maud.
Girl, Island.
Gladys, Adeline.
Glenn, Helen.
Glory, Morning.
Glory, Old.
Glow, Sunset.
Go, Rise and.
Gordon, Gay (The).
Gordon, Mary S.
Goreham, Eliza.
Goreham, Margaret B.
Grace, Rodrid.
Gracie, Little.
Graftey, W. K.
Grant, Kate.
Gray, John.
Gray, Mark H.
Greene, Fred.
Greenleaf, Lizzie J.
Greenwood, A. C.
Grey, Earl.
Grier, G. A.
Gris, Nuage.
Groat, George.
Grogan, Stephen P.
Grover, Edward.
Grozier, Edwin A.
Guy, Prince.

" H "

Hackett, Dredge.
Hains, M. E.
Halifax, John.
Hall, Doris.
Hall, Laura C.
Haney, Michael J.
Hankinson, Esther.
Hanscom, Belle.
Harbour, Golden.
Harlowick, B. B.

Hardy, Leah.
Harrison, Benjamin.
Hart, Elsie M.
Hart, Gladys G.
Hartlin, Viola G.
Harvey No. 1, Neree.
Haskell, Charles.
Haskell, Loring B.
Hawk, Fish.
Hazel, Enid.
Hazen, J. D.
Heir, Little.
Heny, John.
Heppell, J. E.
Heppell, Lady.
Herman, Hazel E.
Hervey, R. G.
Higgins, Freddie A.
Hilda, Grace.
Hilda, Mary and.
Hill, Lady.
Hilton, Annie.
Himmelman, Vera E.
Hines, Edna R.
Hirtle, Carrie L.
Holder, H. A.
Holland, B. & B.
Holland, Dredge.
Hollett, Donald G.
Hollett, Ella C.
Hollett, Gordon M.
Holmes, Sadie O.
Holt, Amos M.
Home, Happy.
Home, Summer.
Home, Sweet.
Hood, Robin.
Hortense, Laura.
Horton, Hilda M.
Howard, Effie.
Hubley, A.
Hudson, Agnes.
Hunter, Isaac.
Hunter, Nellie.
Hur, Ben.
Hutt, Hattie.
Hutt, Violet M.

" I "

Ida, Ilona and
Imp, Saucy.
Ina, Hattie and.
Inkpen, Marjorie N.
Intent, Good.
Isabelle, Marie.
Island, Crane.
Islander, Round.
Islands, Gilbert.

" J "

Jack, Saucy.
Jack, Supple.
Jackson, G. K.
James, Eddie.
James, Jessie.
Jamieson, Wm.
Jane, Abby.
Jane, Anna.
Jane, Emma.
Jane, Eva.
Jane, Highland.
Jane, Lena.
Jane, Letty.
Jane, Maggie.
Jane, Mary.
Jane, Sarah.
James, C. W.
Jax, B.
Jax, G.
Jean, Bonnie.
Jean, Mack.
Jeanne, Marie.
Jessie, Little.
Joe, Little.
John, Sir.
Johnson, Harry M.
Johnston, Joseph P.
Jordan, Phoebe.

Joseph, Jean.
Joseph, Marie.
Josey, M. A.
Josiah, King.
Jour, Le Point du.
Jubilee, Diamond.
Julia, Lidie and.
Julia, Maggie.
Justine, Marie.

" K "

Kate, Bonnie.
Katheleen, Margaret.
Kearney, Philip.
Keast, Abbie.
Keeler, Bessie S.
Kelley, Bertha.
Kelly, G. C.
Kennedy, John.
Kenney, M. S.
Kenney, Olga B.
Kilderhouse, John.
Kilham, Oliver F.
King & Co., No. 23, J. B.
King & Co. No. 36, J. B.
King, Eurette.
King, Nellie J.
King, Rock.
King, Sea.
King, Susan.
Kitchener, H. H.
Knight, Pythian.
Knight, R.
Kollage, John G.

" L "

Labranche, H.
Lafleur, A.
Lafleur, H.
Lake, Little.
Lambert, Lady.
Lambert, Mary.
Lengevin, Hon. Hector.
Laroche, D. N.
Larsen, Julia.
Lass, Clare.
Laura, Minnie.
Laure, Marie.
Laurier, Lady.
Lawrence, Florence C.
Leaf, Maple.
Leaf, Silver.
Leaf, Village.
Leamy, D'Arcy.
Leamy, Katie.
Le Bouthillier, Marie.
Lebrun, Z.
Lee, Cora.
Lee, Dora.
Lee, Horman.
Lee, John A.
Lee, Winnifred.
Leeson, Margaret Jane.
Légère, Lea.
Lemoine, Frances.
Lent, Jessie.
L'Esperance, Marie.
Levy, Hazel.
Lewis, E. G.
Lewis, Gertie.
Light, Golden.
Light, Morning.
Lilian, Alethea.
Lillie, Annie and.
Lilly, Calla.
Lilly, T.
Lily, Jersey.
Lily, Water.
Links, Three.
Linnet, Green.
Linwood, Lelia.
Lion, British.
Lisa, Mona.
Lis, Fleur de.
Lockhart, F. C.
Lombard, E. A.
Lomond, Ben.
Long, Minnie.

SESSIONAL PAPER No. 22

" L "	May, Fanny.	" N "	No. 2, Temiscamingue.
Loring, Hattie.	May, Finettie.	Nash, Elizabeth.	No. 2, Vie.
Lost, Paradise.	May, Florence.	Nelida, Marie.	No. 2, Westholme.
Louis, M. A.	May, Geneva.	Nell, Little.	No. 3, Allans.
Louis, Prince.	May, Ida.	Nellie, Alice and.	No. 3, Bruiser.
Louisa, Annie.	May, Jennie.	Nellie, Carrie and.	No. 3, Callico.
Louisa, Marie.	May, Lilly.	Nelson, Alma.	No. 3, Canada.
Louise, Exilda Marie.	May, Madona.	Nelson, Port.	No. 3, Colonial.
Louise, Frances.	May, Maggie.	Newell, Jessie.	No. 3, Empire.
Louise, Frances Madeline.	May, Margaret.	Newhall, A. C.	No. 3, (The) Foundation
Louise, Hattie.	May, Mary.	Newhall, Edith.	Co.
Louise, Lillian.	May, Merry.	Newland, J. B.	No. 3, Fraser Mills.
Louise, Mary.	May, Mina.	News, Good.	No. 3, Gilley.
Louise, Millie.	May, Minnie.	Nickerson, D. E.	No. 3, Compagnie Générale,
Louise, Myra.	May, Rilla.	Nickerson, Effie B.	Hopper Scow.
Louise, Princesse.	May, Stella.	Nickerson, Freda N.	No. 3, Lake St. Louis.
Louisiana, Marie.	May, Viola.	Nickerson, M. L.	No. 3, Laurin & Leitch.
Love, True.	May, Winnie.	Nickerson, Ora.	No. 3, Lund.
Luby, Louis.	May, Zillah.	No. 1, Allans.	No. 3, McDowell.
Luff, Sophia J.	Mayfield, E.	No. 1, Atagé.	No. 3, McLean.
Lutz, Albert J.	Me, Catch.	No. 1, Bk.	No. 3, Temiscamingue.
Lydon, Mary Ann.	Mea, Cara.	No. 1, Bruiser.	No. 3, Vie.
Lynch, David.	Meade, General.	No. 1, Bute.	No. 3, Westholme.
Lyon, Mary.	Meg, Mons.	No. 1, Canadian Northern	No. 4, Allans.
	Melbourne, William.	Pacific.	No. 4, Cadeco.
	Melita, Dorothy.	No. 1, Charles E. Stody.	No. 4, Dominion.
" M "	Mercier, Honorable.	No. 1, Cobledick Dredge.	No. 4, Ewen.
Mabel, Ella.	Merrill, Julia B.	No. 1, Constance.	No. 4, Gilley.
Mack, Beatrice S.	Middleton, General.	No. 1, Delver.	No. 4, Compagnie Générale,
Mack, Minnie.	Mildred, Erzie G.	No. 1, Dks.	Hopper Scow
Mack, Myrtle.	Millard, R. H.	No. 1, Dombrio.	No. 4, Laurin & Leitch.
Mader, Flo F.	Miller, S. B.	No. 1, Empire.	No. 4, Miramichi.
Magee, John.	Miller, G. H.	No. 1, Fort.	No. 4, Shipman.
Magill, C. J.	Miller, Evelyn V.	No. 1, (The) Foundation	No. 5, Allans.
Maggie, Iona and.	Miller, Hazel B.	Co.	No. 5, Dombrio.
Malone, Belle.	Millette, A.	No. 1, Genoa.	No. 5, Fallon Bros.
Maid, Forest.	Minch, Sophia.	No. 1, Gilley.	No. 5, Fraser Mills.
Marcotte, U.	Mine, Lady.	No. 1, Granby.	No. 5, Gilley.
Marcus, Wilfred.	Mist, Maid of the.	No. 1, Grue.	No. 5, Compagnie Générale,
Margaret, Katie.	Molke, Yon.	No. 1, Handy.	Hopper Scow.
Margare, Mary J.	Monk, Edward.	No. 1, Himble.	No. 5, Laurin & Leitch.
Margeson, J. W.	Montague, Henry L.	No. 1, Compagnie Générale,	No. 6, Allans.
Marie, Fleur de.	Moody, Minnie E.	Hopper Scow.	No. 6, Dombrio.
Marie, G. H.	Moon, Silver.	No. 1, Lake St. Louis.	No. 8, Bute.
Marie, G., Joseph.	Moran, David.	No. 1, Laurin & Leitch.	No. 9, Phin & Co., Scow.
Marie, Reine.	Morden, Dolly.	No. 1, McLean.	No. 11, Pioneer S. & G. Co.
Marie, Stella.	Morgan, M. G.	No. 1, Manley & Co.	No. 301, Dredge, P.W.D.
Marin, Duc de la.	Morse, George H.	No. 1, Mayers.	North, Pride of the.
Marin, Etoile d'un.	Mosher, Gladys.	No. 1, Minion.	Now, Ready.
Marin, Loup.	Mosher, Marion.	No. 1, Neebish.	" O "
Maris, Stella.	Mosher, Maud.	No. 1, Nidge.	O'Day, Peep.
Marr, Winifred.	Mosher, Minnie M.	No. 1, Oil Transport.	Odell, Mary.
Marryatt, G. H.	Mouse, Sea.	No. 1, Ponton.	Olia, Gladys.
Marten, Gordon.	Mouton, Sault au.	No. 1, Provincial.	Oliya, Marie.
Martin, J. B.	Mowat, Oliver.	No. 1, Rock Breaker.	Oliver, E. M.
Maru, Shinyei.	Muir, A.	No. 1, Rock Cutter P.W.D.	Olson, Ida A.
Maru, Togo.	Mulhall, D. C.	No. 1, Sayward.	One, Queensboro.
Marvin, E. B.	Munro, C. G.	No. 1, Phin & Co., Scow.	Ontario, New.
Mary, Ellen.	Munroe, Murray R.	No. 1, Temiscamingue.	Opp, Julie.
Mary, F.	Munroe, Olive.	No. 1, Tom.	O'Toole, M.
Mason, Lydia A.	Munroe, Owen A.	No. 1, Wabush.	Otter, Colonel.
Master, Grand.	Murphy, Julia.	No. 1, Woodward.	Ours, Gros.
Mathews, Flora.	Myers, Mildred G.	No. 1, Zephir.	Oxner, Lena F.
Matilda, Mary.	Myra, E. D.	No. 2, Alians.	Oxner, Sarah L.
Mattatall, Alice.	Myrner, Mollie.	No. 2, Bk.	
Maud, Alice.	Myrtle, Clarica and.	No. 2, Cadeco.	
Maud, Anna.	Mysterieuse, Rose.	No. 2, Canadian Northern	
Maud, Bertha.		Pacific.	" P "
Maud, Effie.	" Me "—" Mac."	No. 2, City Dredge.	P.W.D. No. 3, Lobnitz.
Maud, Ellen.	MacIntosh, H. H.	No. 2, Dks.	Padoue, St. Antoine de.
Maud, Hattie.	MacKay, Adam B.	No. 2, Dombrio.	Page, Maggie.
Maud, Helen.	MacKenzie, J. Harry.	No. 2, Dominecoal.	Palmer, Jennie.
Maud, Helena.	MacKenzie, R. L.	No. 2, Empire.	Paris, U.
Maud, Hilda.	McBride, John.	No. 2, Ewen.	Parker, Alph. B.
Maud, Louise.	McDonald, M. A.	No. 2, (The) Foundation	Parker, I. N.
Maud, Minnie.	McDougall, Mary E.	Co.	Parker, John.
Maurice, E.	McDougall, Thomas.	No. 2, Genoa.	Parks, Lowell.
Maxner, Allison.	McGee, Lizzie S.	No. 2, Gilley.	Parks, Percival S.
May, Abbie.	McGill, Joseph.	No. 2, Compagnie Générale,	Parsons, Minnie G.
May, Alice.	McGlashen, Agnes D.	Hopper Scow.	Parsons, Ralph S.
May, Annie.	McGlashan, Marjorie.	No. 2, Independent As-	Patry, J. W.
May, Bessie.	McGowan, Willie.	phalt.	Patten, Emily H.
May, Clifford.	McKay, Hattie.	No. 2, Lake St. Louis.	Paul, Jean.
May, Drucilla.	McKay, W. C.	No. 2, Laurin & Leitch.	Pauline, Agnes.
May, Edna.	McKenzie, K.	No. 2, McLean.	Pauline, Avis.
May, Effie.	McLachlan, Mary E.	No. 2, Miramichi.	Pauline, Edith.
May, Ellen.	McLaurin, Alexander.	No. 2, Phantoni.	Peard, Ada.
May, Etha.	McLeod, Ethel.	No. 2, Ponton.	Pearl, Ada and.
May, Ethel.	McVea, E. J.	No. 2, Puget.	Pearl, George.
May, Eva.	McWilliams, E.	No. 2, Rainbow.	Pearl, Sea.
		No. 2, Phin & Co., Scow	

" P "

Pearl, Shippigan.
 Pearl, Susie.
 Pearl, Vesta.
 Pearl, Viola.
 Pease, Edward S.
 Penniman, George.
 Pennington, B. L.
 Perry, A. I.
 Perry, G. H.
 Peters, Ida.
 Phoebe, Alice.
 Phillips, H. C.
 Phillips, Henry L.
 Piehls, Edna V.
 Pierreville, Notre Dame d
 Pink, Sea.
 Plunkett, Wilfred.
 Potter, Emma E.
 Potter, John C.
 Porter, Elsie.
 Posa, Marie.
 Power, Wm.
 Price, Hon. David.
 Premier, Elevator Dredge.
 Primrose, Dredge.
 Prince, Crown.
 Prince, Western.
 Prize, First.
 Proctor, Emma.
 Purdy, Myrtle.

" Q "

Queen, Bay.
 Queen, British.
 Queen, Copper.
 Queen, Fairy.
 Queen, Forest.
 Queen, May.
 Queen, Quoddy.
 Queen, Richmond.
 Queen, Salmon.
 Queen, Scotia.
 Queen, Sea.
 Queen, Silver.
 Queen, Snow.
 Queen, Village.
 Queen, Virgin.
 Queen, Wave.
 Quinlan, Hattie.
 Quinlan, Hugh.
 Quyon, No. 1.
 Quyon, No. 2.

" R "

Raquette, Marie.
 Raymond, Chesley.
 Redfern, J. H.
 Reed, Isabel.
 Reid, Nellie.
 Reine, Vice.
 Renaud, A.
 Rene, J. G.
 Reynolds, Freddie M.
 Rhuland, G. A.
 Richard, C.
 Richard, Carl E.
 Richard, W. M.
 Richardson, Charlie.
 Rider, Wm. H.
 Riley, Margaret May.
 Ritcey, Hazel L.
 Rive, Mary E.
 Rivere, Peter.
 Rhoda, Rita V.
 Robertson, Angus W.
 Robertson, J.
 Robertson, W. G.
 Robidoux, M.
 Robidoux, W.

Rockbreaker No. 2, Lob-
 nutz.
 Rockbreaker No. 1, M.
 F.
 Roche, Cap a la.
 Rod, Golden.
 Romkey, Mary M.
 Roop, Georgina.
 Rose, Bella.
 Rose, Fanny.
 Rose, Mary.
 Rose, River.
 Rose, Wild.
 Rosanna, Marie.
 Ronce, Dragon.
 Rover, Ocean.
 Rowley, W. H.
 Roy, Jessie.
 Roy, Rob.
 Roy, Willie.
 Rudolph, Ella M.
 Rule, Golden.
 Russell, C. E.
 Russell, Edmund.
 Russell, Lottie R.

" S "

Sabeau, E. A.
 Saint, J. B.
 St. Laurent, Marie.
 St. Nicholas, Gabriel de.
 Salmon, Big.
 Sarty, Dorothy P.
 Saunders, Uda A.
 Saxon, Anglo-
 Schmare, Lucille M.
 Schwartz, Leta A.
 Scow, Mudpout.
 Scringeur, John G.
 Seeker, Fish.
 Seeker, Gold.
 Seeton, Sarah H.
 Selig, Louisa J.
 Shell, Clam.
 Siewerd, Dora.
 Silver, Amy B.
 Silver, Donald L.
 Silver, Lottie A.
 Simcoe, Dredge.
 Simonds, Richard.
 Sinclair, Wm.
 Sisters, Three.
 Sisters, Twin.
 Sisters, Two.
 Sixsmith, W. H.
 Slater, James.
 Slipper, Sea.
 Smart, Dorothy M.
 Smith, A. D.
 Smith, Annie.
 Smith, Benjamin C.
 Smith, Edna M.
 Smith, Frances W.
 Smith, George M.
 Smith, Gladys B.
 Smith, Gladys M.
 Smith, Lady.
 Smith, Lewis H.
 Smith, Lucille M.
 Smith, Mira L.
 Smith, R. A.
 Smith, Ronald G.
 Smith, Tira.
 Smith, Vivian P.
 Smith, W. H.
 Smith, William C.
 Smith, Loren B.
 Smith, Wilfred L.
 Snow, Dorothy G.
 Snowball, Senator.
 Sound, Puget.
 Spears, Mary E.
 Spindler, Annie L.

Spray, Ocean.
 Spray, Silver.
 Stanley, H. M.
 Star, Flying.
 Star, Mary.
 Star, Morning.
 Star, Sea.
 Star of the Sea, Mary.
 Starr, Gertie M.
 Step, Quick.
 Stephens, G. M.
 Stephenson, Isaac.
 Stella, Leading.
 Stella, Maria.
 Stella, Marie.
 Stella, Nora.
 Stoody No. 1, Charles E.
 Stuart, Katie E.
 Suffell, W. J.
 Sun, Rising.
 Swallow, Bark.
 Swallows, Three.
 Swan, River.
 Swan, Silver.
 Swanton, Josephine.
 Swift, Maggie.
 Swift, Miss.

" T "

Talbot, D.
 Tarr, Della F.
 Taber, Horace.
 Taylor, M. J.
 Taylor, Mary.
 Templeton, Lord.
 Theriault, Charles.
 Thomas, James W.
 Thomas, William.
 Thomey, Chrissie C.
 Thompson, Flo.
 Thorburn, Blanche M.
 Thornhill, Maud.
 Thread, Silver.
 Tidings, Glad.
 Tobey, Avis C.
 Todd, J. W.
 Todman, H. X.
 Togo, Admiral.
 Tolmie, J.
 Tower, Ada.
 Townsend, Sarah A.
 Trade, Free.
 Trahan, Clarence.
 Traverse, Lower.
 Traverse, Upper.
 Trial, First.
 Trim, Corporal.
 Trois Saumons, St. Joseph.
 Troop, Howard D.
 Turner, Amy.
 Turpel, Sadie.
 Two, Queensboro.
 Twohig, F. C.

" U "

Unity, M.

" V "

Vair, Helen.
 Vaughan, Etta.
 Vaughn, Daisy.
 Verna, Abbie.
 Vezina, Emile.
 Victoria, Princess.
 Victoria, Reine.
 View, Sea.
 Voges, Theodore.
 Vogler, Jessie M.

" W "

Wade, F. B.
 Wall, Katie E.
 Wallace, M. B.
 Walters, C. A.
 Walters, C. M.
 Walters, Clayton W.
 Walters, E. B.
 Walters, Muriel B.
 Ward, E. C.
 Warrington, G. H.
 Warren, Annie L.
 Washington, I. R.
 Waters, P.
 Waters, W. H.
 Watters, Nellie.
 Wave, Wild.
 Weasel, Red.
 Weeks, George H.
 Welland, New.
 West, North.
 West, Golden.
 West, Violet.
 Westhaver, Ada M.
 Westhaver, Phyllis L.
 Weston, Maud.
 Whalen, P.
 Whidden, Gladys E.
 White, Eliza.
 White, N. W.
 White, W. F.
 Whitman, A. H.
 Whittier, T. W. J.
 Wilfred, Sir.
 Willard, Frances.
 Willard, Frances E.
 Williams, J. C.
 Williams, V. F.
 Willie, Prince.
 Willow, Bessie.
 Wilson, Agnes.
 Wilson, Norman F.
 Wind, West.
 Wing, Fleet.
 Wing, White.
 Wing, Winnie.
 Wings, White.
 Winters, Muriel E.
 Winters, Warren G.
 Wisp, Will o' the.
 Witch, Water.
 Witbeck, Henry.
 Woster, Flora.
 Wynot, W. S.

" X "

Xavier, Francois.
 Xavier, St. Francois.

" Y "

Yankee, Flying.
 Yergeau, A.
 York, Duke of.
 Young, Albert A.
 Young, Alena L.
 Young, Fanny.
 Young, J. B.
 Young, J. M.
 Young, Lizzie.
 Young, Mary D.
 Young, Muriel M.

" Z "

Zellars, E. M.
 Zembla, Nova.
 Zinck, Ida M.
 Zoe, Marie.

INTERNATIONAL CODE OF SIGNALS.

This list is prepared for the purpose of enabling officers at signal stations on shore, and masters of Ships at sea to signal and report passing ships. It contains the name and distinguishing signal of every ship registered in Canada to which a code signal has been allotted to the 31st December, 1918. The particulars of each ship are given both in the order of the signal letters and in the alphabetical order of their names.

Applications for the allotment of a code signal for the purpose of making ship's name known at sea should be made on form C.C.S.I. to the Registrar of Shipping at the port to which it belongs.

**THE ENSIGN TO BE SHOWN AT THE PEAK, OVER THE CODE PENNANT, WHEN
THE SIGNAL LETTERS ARE HOISTED.**

BRITISH SHIPS Registered in Canada to which distinguishing signals have been allotted, arranged in alphabetical order.

Name of Ship.	Port of Registry.	Signal letters.	Name of Ship.	Port of Registry.	Signal letters.
A. E. McKinstry	Montreal, Que.	T.M.P.D.	Eugene Owen Mackay	Parrsboro, N.S.	T.N.W.V.
Acacia	Port Medway, N.S.	W.K.N.J.	Eyadine	Pictou, N.S.	W.H.C.G.
Acadia	Ottawa, Ont.	J.C.M.D.	Eveline Wilkie	La Have, N.S.	T.N.F.G.
Ada A. McIntyre	St. John, N.B.	T.N.V.S.	Exilda	Parrsboro, N.S.	T.M.Q.R.
Ada Tower	Parrsboro, N.S.	T.N.K.R.	F. C. Lockhart	St. John, N.B.	T.Q.W.F.
Adam B. MacKay	Parrsboro, N.S.	T.N.K.H.	Farlings	Halifax, N.S.	T.N.M.P.
Adeline	Liverpool, N.S.	R.W.L.K.	Favonian	Windsor, N.S.	T.P.B.F.
Advent	Windsor, N.S.	W.M.B.P.	Florence C. Lawrence	Port Hawkesbury, N.S.	V.L.K.C.
Ainslie	Liverpool, N.S.	T.M.W.B.	Flying Cloud	St. John, N.B.	T.G.H.D.
Alaska	Vancouver, B.C.	T.N.K.B.	Fortune	Sydney, N.S.	S.K.R.M.
Albemania	Liverpool, N.S.	T.N.C.K.	Frances Louise	Lunenburg, N.S.	T.M.S.W.
Alert	Weymouth, N.S.	W.D.L.J.	Freida E.	Parrsboro, N.S.	T.N.S.V.
Allred Oek Hedley	Parrsboro, N.S.	T.N.C.R.	G. T. D.	Quebec, Que.	H.P.L.M.
Amelia	Margden Islands, Que.	N.M.G.R.	Galiano	Ottawa, Ont.	T.M.N.Q.
Amherst	Charlottetown, P.E.I.	W.N.J.D.	G. R. Crowe	Toronto, Ont.	H.L.L.K.S.
Amur	Vancouver, B.C.	L.Q.T.F.	Garthelyde	Montreal, Que.	J.Q.F.M.
Angouleme	Montreal, Que.	T.M.W.S.	General George C. Hogg	Parrsboro, N.S.	T.N.S.V.
Annie B. Anderson	Parrsboro, N.S.	L.V.N.R.	Geraldine Wolvin	Vancouver, B.C.	T.M.Q.B.
Aranmore	Ottawa, Ont.	L.V.N.B.	Gilbert Islands	Liverpool, N.S.	T.M.J.W.
Azov	Toronto, Ont.	M.P.J.S.	Glenioyle	Midland, Ont.	J.C.V.Q.
Bayfield	Ottawa, Ont.	L.C.F.M.	Glennavis	Midland, Ont.	J.C.K.R.
Beauharnois	Ottawa, Ont.	R.F.L.Q.	Glooscap	Windsor, N.S.	T.C.N.L.
Beechland	Annapolis Royal, N.S.	T.M.K.C.	Golden Rod	Windsor, N.S.	M.R.D.G.
Bellas	Quebec, Que.	T.M.K.C.	Guiana	Montreal, Que.	H.L.D.P.
Bermudian	Montreal, Que.	H.B.P.K.	Gulnare	Ottawa, Ont.	V.S.P.W.
Bernice, R.	La Have, N.S.	T.P.B.D.	Gwennith	Ottawa, Ont.	H.S.B.L.
Bessie Dollar	Victoria, B.C.	H.D.V.N.	Halifax	Halifax, N.S.	H.T.E.N.
Bethalma	Port Stanley, Ont.	T.N.S.R.	Halifax	Halifax, N.S.	K.V.C.R.
Bravo	Lunenburg, N.S.	W.D.P.G.	Hamborn	Halifax, N.S.	T.M.K.H.
Bristol	Windsor, N.S.	S.G.M.H.	Hamburg	Windsor, N.S.	K.J.H.W.
British Columbia	Vancouver, B.C.	V.H.K.G.	Harold Dollar	Vancouver, B.C.	H.R.W.Q.
Burleigh	Halifax, N.S.	W.K.P.R.	Henriette	Vancouver, B.C.	T.N.S.M.
C. W. James	Quebec, Que.	J.P.L.V.	Hilda M. Stark	Annapolis Royal, N.S.	T.N.C.G.
Calburga	Maitland, N.S.	M.J.B.N.	Hochelega	Montreal, Que.	H.V.M.S.
Cambral	Pictou, N.S.	T.P.B.C.	Hoeking	Halifax, N.S.	T.M.K.G.
Camosun	Vancouver, B.C.	H.M.V.R.	Huntley	Windsor, N.S.	T.N.V.J.
Canada	Ottawa, Ont.	T.M.J.N.	Iberville	Gaspé, Que.	T.J.R.G.
Canada	Vancouver, B.C.	M.Q.N.S.	Imbricaria	Vancouver, B.C.	N.F.R.T.
Canadiana	Windsor, N.S.	M.H.W.F.	Imperial	Sarnia, Ont.	Q.C.P.J.
Canada	Montreal, Que.	T.M.Q.N.	Imperoyal	Sarnia, Ont.	J.B.W.D.
Cape Breton	Montreal, Que.	L.T.Q.V.	Impoco	Sarnia, Ont.	J.C.N.M.
Cape Race	Liverpool, N.S.	T.N.W.R.	Impressive	La Have, N.S.	T.N.K.L.
Carlotta G. Cox	Vancouver, B.C.	W.D.L.N.	Integral	Lunenburg, N.S.	T.N.B.R.
Cartier	Ottawa, Ont.	H.Q.P.W.	Inverneill	Montreal, Que.	N.V.K.R.
Casliuer	Halifax, N.S.	T.N.S.Q.	Inversnaid	Montreal, Que.	M.P.V.B.
Celina K. Goldman	St. John, N.B.	T.N.L.D.	Invictus	Annapolis Royal, N.S.	W.M.C.W.
Charles A. Ritcey	Lunenburg, N.S.	T.N.B.Q.	Iocolite	Sarnia, Ont.	T.M.P.K.
Charles E. Lefurgy	Charlottetown, P.E.I.	K.F.N.M.	Iocoma	Sarnia, Ont.	H.W.J.N.
Chasina	Vancouver, B.C.	W.D.V.G.	Imperia	Montreal, Que.	Q.S.L.R.
Chauntauqua	Lunenburg, N.S.	T.N.G.H.	Ivigtut	Quebec, Que.	R.D.S.M.
Chilco	Vancouver, B.C.	H.B.T.F.	J. A. McKee	Sault Ste. Marie, Ont.	H.N.C.B.
Chairalite	Toronto, Ont.	T.M.V.H.	J. E. Backman	La Have, N.S.	T.N.P.S.
Chrissie C. Thomey	Ottawa, Ont.	T.Q.N.K.	J. H. Wade	Montreal, Que.	T.N.J.V.
Christine	Ottawa, Ont.	H.C.V.L.	James Slater	La Have, N.S.	T.N.M.K.
Cressian Prince	Toronto, Ont.	L.C.N.V.	Jean Steedman	Victoria, B.C.	T.M.W.N.
City of Ghent	Halifax, N.S.	W.Q.R.V.	Janet Carruthers	Vancouver, B.C.	T.M.Q.F.
Coban	Montreal, Que.	W.H.N.K.	Jessie Brown	Charlottetown, P.E.I.	S.F.H.V.
Corunna	Montreal, Que.	M.H.L.Q.	Jessie Louise Fauquier	Windsor, N.S.	T.P.B.G.
Cruizer	Halifax, N.S.	N.S.Q.R.	Jessie Norcross	Vancouver, B.C.	T.M.Q.D.
Daniel Getson	Lunenburg, N.S.	T.M.V.D.	Katherine V. Mills	Annapolis Royal, N.S.	H.P.M.K.
Daniel M. Munro	Windsor, N.S.	T.M.K.D.	Kenora	Toronto, Ont.	H.L.R.N.
Dolphin	Arichat, N.S.	S.K.C.F.	Kerry Rang	Montreal, Que.	J.M.K.C.
Don Parsons	Windsor, N.S.	T.N.C.P.	Korona	Montreal, Que.	K.F.B.H.
Dora Sjewerd	Victoria, B.C.	W.K.N.V.	La Canadienne	Ottawa, Ont.	T.N.V.B.
Dornfontein	St. John, N.B.	T.N.K.D.	Lady Evelyn	Quebec, Que.	S.K.C.V.
Drallium	Liverpool, N.S.	T.N.M.H.	Lady Grey	Ottawa, Ont.	T.M.P.C.
E. A. Sabeau	Port Medway, N.S.	W.H.D.R.	Lady of Gaspé	Quebec, Que.	R.C.H.W.
E. B. Marvin	Halifax, N.S.	W.D.L.P.	Lansdowne	Ottawa, Ont.	W.D.M.H.
E. E. A. Armstrong	Windsor, N.S.	T.M.W.L.	Laurel Whalen	Vancouver, B.C.	T.M.Q.C.
E. L. Comeau	La Have, N.S.	T.N.W.S.	Lewis Brothers	Halifax, N.S.	T.M.V.W.
Edith M. Cavell	Shelburne, N.S.	T.M.N.S.	Lillie	Maitland, N.S.	Q.M.N.C.
Edna V. Pickels	Annapolis Royal, N.S.	W.M.C.P.	Lilloet	Victoria, B.C.	H.P.M.G.
Egeria	St. John, N.B.	S.W.H.P.	Lingan	Montreal, Que.	H.T.W.G.
Elva	Shelburne, N.S.	W.D.N.S.	Lockwood	St. John, N.B.	L.D.F.C.
Empress of Asia	Vancouver, B.C.	J.C.K.F.	Lord Dufferin	Montreal, Que.	Q.C.W.M.
Empress of Japan	Vancouver, B.C.	M.C.H.Q.	Lord Omond	Quebec, Que.	R.G.V.B.
Empress of Russia	Vancouver, B.C.	J.B.S.Q.	Lord Stratheona	Quebec, Que.	T.H.R.L.
Ensenada	Windsor, N.S.	T.C.M.D.	Louis Theriault	Weymouth, N.S.	T.N.N.V.
Esther Adelaide	Parrsboro, N.S.	T.M.V.Q.			

SESSIONAL PAPER No. 22

BRITISH SHIPS Registered in Canada to which distinguishing signals have been allotted, arranged in alphabetical order

Name of Ship.	Port of Registry.	Signal letters.	Name of Ship.	Port of Registry.	Signal letters.
Louisburg.....	Montreal, Que.....	V.L.Q.B.	Sarnolite.....	Sarnia, Ont.....	T.M.P.Q.
Lovisa.....	Windsor, N.S.....	T.C.M.L.	Scotia II.....	Ottawa, Ont.....	J.L.S.B.
M. J. Taylor.....	Quebec, Que.....	W.H.D.F.	Scotia Belle.....	Weymouth, N.S.....	T.N.C.M.
Macassa.....	Hamilton, Ont.....	K.R.J.T.	Seal.....	Halifax, N.S.....	T.V.D.W.
Mabel Brown.....	Vancouver, B.C.....	T.M.P.W.	Sellasia.....	Windsor, N.S.....	H.S.N.M.
Mabel Stewart.....	Vancouver, B.C.....	T.M.Q.G.	Selma.....	St. John, N.B.....	S.N.V.R.
Maggie Bell.....	Lunenburg, N.S.....	W.M.C.R.	Senlac.....	Vancouver, B.C.....	W.D.V.G.
Maid of Brazil.....	Weymouth, N.S.....	T.N.C.S.	Severn.....	St. John, N.B.....	T.Q.L.S.
Maid of Canada.....	Weymouth, N.S.....	T.N.W.K.	Severn.....	Charlottetown, P.E.I.....	J.R.P.C.
Malahat.....	Victoria, B.C.....	T.M.W.C.	Silver Leaf.....	Windsor, N.S.....	M.H.R.P.
Malaspina.....	Ottawa, Ont.....	T.M.N.T.	Silver Queen.....	Parrsboro, N.S.....	T.Q.M.F.
Manxman.....	Montreal, Que.....	K.W.J.T.	Simla.....	Maitland, N.S.....	T.M.S.Q.
Margaret.....	Ottawa, Ont.....	T.M.J.P.	Skoda.....	Vancouver, B.C.....	T.M.J.B.
Margaret F. Dick.....	Windsor, N.S.....	T.N.M.Q.	Socoy.....	Windsor, N.S.....	N.C.V.J.
Margaret Haney.....	Vancouver, B.C.....	T.M.P.W.	Stormont.....	Weymouth, N.S.....	T.N.D.R.
Margery Mahaffy.....	Lunenburg, N.S.....	T.N.K.F.	Tanagra.....	Montreal, Que.....	H.P.M.D.
Marmion.....	Vancouver, B.C.....	N.G.H.T.	Talaralite.....	St. John, N.B.....	R.H.G.M.
Martha Parsons.....	Windsor, N.S.....	T.N.S.L.	Tees.....	Toronto, Ont.....	T.N.C.D.
Melanson Bros.....	Weymouth, N.S.....	T.N.V.R.	Tepic.....	Victoria, B.C.....	N.T.B.W.
Melmore.....	Vancouver, B.C.....	M.R.D.V.	Thomas J. Drummond.....	Vancouver, B.C.....	J.B.D.P.
Melville Dollar.....	Vancouver, B.C.....	H.C.B.S.	Toiler.....	Sault Ste. Marie, Ont.....	T.M.W.J.
Meredith A. White.....	Parrsboro, N.S.....	T.N.L.B.	Traveller.....	Kingston, Ont.....	H.S.L.G.
Messenger.....	Arichat, N.S.....	S.K.C.D.	Trebia.....	St. John, N.B.....	T.G.H.B.
Minia Brea.....	Toronto, Ont.....	H.N.S.B.	Truro Queen.....	St. John, N.B.....	T.J.D.J.
Minnie G. Parsons.....	Windsor, N.D.....	T.M.P.S.	Tuna.....	Parrsboro, N.S.....	T.N.V.S.
Miriam H.....	Weymouth, N.S.....	T.N.V.G.	Turbina.....	Montreal, Que.....	T.M.J.Q.
Misty Star.....	Shelburne, N.S.....	T.N.B.G.	Turret Cape.....	Hamilton, Ont.....	T.N.S.R.
Monteclair.....	Vancouver, B.C.....	Q.V.N.C.	Turret Court.....	Montreal, Que.....	N.V.H.P.
Montclair.....	Yarmouth, N.S.....	T.N.W.Q.	Turret Crown.....	Montreal, Que.....	P.M.J.L.
Natashquan.....	Quebec, Que.....	J.S.M.Q.	Tyrian.....	Vancouver, B.C.....	N.T.S.L.
Neptune.....	Liverpool, N.S.....	S.F.C.W.	Varuna.....	Halifax, N.S.....	J.P.W.B.
Nevada.....	Montreal, Que.....	L.V.G.T.	Venture.....	Quebec, Que.....	Q.H.N.W.
Newington.....	Vancouver, B.C.....	R.G.C.W.	Vincent A. White.....	Victoria, B.C.....	H.Q.N.S.
Newona.....	Montreal, Que.....	H.P.R.Q.	Virginie.....	Parrsboro, N.S.....	T.N.L.C.
Nitinat.....	Victoria, B.C.....	K.C.N.M.	Vogue.....	Quebec, Que.....	W.N.Q.R.
Northmount.....	Montreal, Que.....	H.M.N.B.	W. H. Baxter.....	La Have, N.S.....	T.M.S.P.
Northumberland.....	Charlottetown, P.E.I.....	T.C.N.Q.	W. M. Richard.....	Windsor, N.S.....	W.M.C.L.
Olinda.....	Liverpool, N.S.....	W.D.P.L.	War Atlin.....	Annapolis Royal, N.S.....	T.Q.W.L.
Ontario.....	Windsor, N.S.....	Q.N.S.G.	War Baline.....	Vancouver, B.C.....	T.N.R.K.
Ophelia.....	Shelburne, N.S.....	W.M.B.C.	War Charger.....	Victoria, B.C.....	T.N.L.P.
Pandasia.....	St. John, N.B.....	R.P.Q.B.	War Camechin.....	Vancouver, B.C.....	T.N.M.G.
Parima.....	Montreal, Que.....	L.J.C.N.	War Cariboo.....	Victoria, B.C.....	T.N.L.Q.
Pesquid.....	Maitland, N.S.....	T.M.J.S.	War Casco.....	Vancouver, B.C.....	T.N.L.J.
Petite Riviere.....	Liverpool, N.S.....	S.F.G.R.	War Cayuse.....	Vancouver, B.C.....	T.N.R.H.
Plymouth.....	Windsor, N.S.....	T.D.C.F.	War Chilkat.....	Vancouver, B.C.....	T.N.L.K.
Porsanger.....	Montreal, Que.....	T.N.K.C.	War Dog.....	Vancouver, B.C.....	T.N.R.I.
Prince Albert.....	Prince Rupert, B.C.....	M.T.P.R.	War Edensaw.....	Vancouver, B.C.....	T.M.Q.H.
Prince Arthur.....	Yarmouth, N.S.....	R.D.V.J.	War Haida.....	New Westminster, B.C.....	T.N.R.C.
Prince George.....	Yarmouth, N.S.....	Q.K.B.S.	War Kitimat.....	Victoria, B.C.....	T.N.L.R.
Prince John.....	Prince Rupert, B.C.....	H.Q.M.K.	War Nanoose.....	New Westminster, B.C.....	T.N.R.D.
Princess.....	Charlottetown, P.E.I.....	T.Q.W.B.	War Nicola.....	Victoria, B.C.....	T.N.M.B.
Princess May.....	Vancouver, B.C.....	P.V.N.Q.	War Masset.....	Vancouver, B.C.....	T.N.R.J.
Princess Patricia.....	Victoria, B.C.....	H.V.D.J.	War Tanoo.....	Victoria, B.C.....	T.N.L.H.
Priscilla.....	Liverpool, N.S.....	S.D.Q.M.	War Skoena.....	Vancouver, B.C.....	T.N.R.M.
Racewel.....	Weymouth, N.S.....	T.M.W.Q.	War Stikine.....	Victoria, B.C.....	T.N.L.V.
Ralph T. Parsons.....	Windsor, N.S.....	T.M.V.S.	War Sumas.....	Victoria, B.C.....	T.N.L.V.
Ranger.....	Gaspé, Que.....	T.F.G.D.	War Suquash.....	New Westminster, B.C.....	T.N.M.S.
Reginold.....	Sarnia.....	T.M.V.R.	War Tyee.....	Vancouver, B.C.....	T.N.R.P.
Rayond'or.....	Halifax, N.S.....	H.W.L.D.	War Wasp.....	New Westminster, B.C.....	T.N.M.R.
Rebecca L. Mac-Donald.....	Digby, N.S.....	T.N.B.J.	Wethersfield.....	Pictou, N.S.....	T.M.V.C.
Reine Victoria.....	Quebec, Que.....	T.K.W.C.	Wild Wave.....	Montreal, Que.....	T.M.K.J.
Renvoye.....	Toronto, Ont.....	J.L.W.P.	William A. Naugler.....	Liverpool, N.S.....	T.G.Q.F.
Retlaw.....	Sarnia, Ont.....	T.J.M.P.	William Duff.....	La Have, N.S.....	T.N.F.C.
Rewa.....	Parrsboro, N.S.....	T.C.N.P.	William Melbourne.....	Lunenburg, N.S.....	T.N.F.L.
Richard Simonds.....	St. John, N.B.....	S.C.V.D.	Wm. Thos. Moore.....	Parrsboro, N.S.....	T.M.V.P.
Roman.....	Vancouver, B.C.....	H.K.W.J.	Winona.....	Halifax, N.S.....	J.M.W.D.
Rosedale.....	Hamilton, Ont.....	K.R.T.N.	Winthear.....	Hamilton, Ont.....	H.G.V.F.
Royalite.....	Sarnia, Ont.....	T.M.P.L.	Wren.....	La Have, N.S.....	T.M.V.P.
St. Mihiel.....	Toronto, Ont.....	T.P.B.H.	Yarmouth.....	Canso, N.S.....	P.D.L.W.
Salvor.....	Victoria, B.C.....	J.S.C.T.	Zeta.....	Yarmouth, N.S.....	K.L.P.V.
				Windsor, N.S.....	W.K.P.N.

BRITISH SHIPS Registered in Canada to which distinguishing signals have been allotted, arranged in order of signal letters.

Signal letters.	Name of Ship Port of Registry.	Official number.	Signal letters.	Name of Ship Port of Registry.	Official number.
H.B.P.K.	Bermudian of Montreal, Que.	120477	M.J.B.N.	Calbrag of Maitland, N.S.	90478
H.B.T.F.	Chileo of Vancouver, B.C.	87034	M.P.J.S.	Azov of Toronto, Ont.	99402
H.C.B.S.	Melville Dollar of Victoria, B.C.	121212	M.P.V.W.	Inversnaid of Montreal, Que.	99639
H.C.V.L.	Christine of Ottawa, Ont.	86714	M.Q.N.S.	Canada of Vancouver, B.C.	99675
H.D.V.N.	Bessie Dollar of Vancouver, B.C.	121272	M.R.D.G.	Golden Rod of Windsor, N.S.	100271
H.G.V.F.	Winona of Hamilton, Ont.	122851	M.T.P.R.	Prince Albert of Prince Rupert, B.C.	99584
H.K.W.J.	Roman of Vancouver, B.C.	124774	M.R.D.V.	Melmore of Vancouver, B.C.	99833
H.L.D.P.	Guiana of Montreal, Que.	125603	N.C.V.J.	Skoda of Windsor, N.S.	100733
H.L.K.S.	G. R. Crowe of Toronto, Ont.	123324	N.F.G.T.	Impetricaria of Vancouver, B.C.	99710
H.L.R.N.	Kenora of Toronto, Ont.	124235	N.G.H.T.	Marmion, Vancouver, B.C.	102622
H.M.N.B.	Northmount of Montreal, Que.	124260	N.M.G.R.	Amelia of Magdalen Islands, Que.	104069
H.M.V.R.	Camosum of Vancouver, B.C.	121204	N.S.Q.R.	Cruizer of Halifax, N.S.	104606
H.N.C.B.	J. A. McKee of Sault Ste. Marie, Ont.	125442	N.T.B.W.	Tees of Victoria, B.C.	95929
H.N.C.G.	Kinmount of Montreal, Que.	128218	N.T.S.L.	Turret Crown of Vancouver, B.C.	104279
H.N.S.B.	Mina Brea of Toronto, Ont.	125773	N.V.H.P.	Turret Cape, Montreal, Que.	104283
H.P.L.C.	Pineland of Annapolis, N.S.	112004	N.V.K.R.	Inverneill of Montreal, Que.	104512
H.P.L.M.	G.T.D. of Quebec.	97096	P.D.L.W.	Wren of Canso, N.S.	104200
H.P.M.D.	Stormont of Montreal, Que.	122409	P.M.J.L.	Turret Court of Montreal, Que.	106608
H.P.M.G.	Lillooet of Victoria, B.C.	122395	P.V.N.Q.	Princess May of Vancouver, B.C.	109860
H.P.M.K.	Katherine V. Mills of Annapolis Royal, N.S.	126012	Q.C.P.J.	Imperial of Sarnia, Ont.	108346
H.P.Q.R.	Newona of Montreal, Que.	125470	Q.C.W.M.	Lord Dufferin of Montreal, Que.	108624
H.Q.M.K.	Prince John of Prince Rupert, B.C.	129472	Q.H.N.W.	Varuna of Quebec, Que.	85758
H.Q.N.S.	Venture of Victoria, B.C.	129475	Q.K.B.S.	Prince George of Yarmouth, N.S.	110003
H.Q.P.W.	Cartier of Ottawa, Ont.	129745	Q.M.N.C.	Lillie of Maitland, N.S.	109338
H.R.W.Q.	Harold Dollar of Victoria, B.C.	129531	Q.N.S.G.	Ontario of Windsor, N.S.	712190
H.S.B.L.	Gwenith of Ottawa, Ont.	129159	Q.S.L.R.	Iperia of Montreal, Que.	110544
H.S.L.G.	Toiler of Kingston, Ont.	129767	Q.V.N.C.	Monteagle of Vancouver, B.C.	110554
H.S.N.M.	Seal of Windsor, N.S.	129556	R.C.H.W.	Lady of Gaspe of Quebec, Que.	78554
H.T.F.N.	Halifax of Halifax, N.S.	129590	R.D.S.M.	Ivigtut of Quebec, Que.	74292
H.T.W.G.	Lingan of Montreal, Que.	132810	R.D.V.J.	Prince Arthur of Yarmouth, N.S.	110131
H.V.D.J.	Princess Patricia of Victoria, B.C.	115685	R.F.L.Q.	Beaubarnois of Ottawa, Ont.	134736
H.V.M.S.	Hochelega of Montreal, Que.	132818	R.G.C.W.	Newington of Vancouver, B.C.	110697
H.W.J.N.	Iocoma of Sarnia, Ont.	132745	R.G.V.B.	Lord Ormonde of Quebec, Que.	110506
H.W.L.D.	Rayon d'or of Halifax, N.S.	134737	R.H.G.M.	Tanagra of St. John, N.B.	110601
J.B.D.P.	Tepec of Vancouver, B.C.	87180	R.H.Q.C.	Gaspenie of Quebec, Que.	70223
J.B.W.D.	Imperoyal of Sarnia, Ont.	135209	R.P.Q.B.	Pandosa of St. John, N.B.	110649
J.B.S.Q.	Empress of Russia of Vancouver, B.C.	135197	R.W.L.K.	Adeline of Liverpool, N.S.	36608
J.C.K.F.	Empress of Asia of Vancouver, B.C.	135226	S.C.V.D.	Richard Simonds of St. John, N.B.	37172
J.C.K.R.	Glenmavis of Midland, Ont.	133533	S.D.Q.M.	Priscilla of Liverpool, N.S.	37374
J.C.N.M.	Impoco of Sarnia, Ont.	135238	S.F.C.W.	Neptune of Liverpool, N.S.	37470
J.C.V.Q.	Glenfoyle of Midland, Ont.	135641	S.F.G.R.	Petite Riviere of Liverpool, N.S.	37497
J.C.W.T.	Honoreva of Montreal, Que.	134700	S.F.H.V.	Jessie Brown of Charlottetown P. E.I.	37514
J.L.S.B.	Scotia II of Ottawa, Ont.		S.G.M.H.	Bristol of Windsor, N.S.	78988
J.L.W.P.	Renvoyle of Toronto, Ont.	126836	S.J.T.K.	Margaret of Ship Harbour, N.S.	38362
J.M.K.C.	Kerry Range, Montreal, Que.	137404	S.K.C.D.	Messenger of Arichat, N.S.	38417
J.M.W.D.	Wm. Thos. Moore of Halifax, N.S.	134466	S.K.C.F.	Dolphin of Arichat, N.S.	38418
J.N.K.R.	Ada Tower of Parrsboro, N.S.	133895	S.K.C.V.	Lady Evelyn of Quebec, Que.	109680
J.P.L.V.	C. W. Janes of Quebec.	88588	S.K.R.M.	Fortune of Sydney, N.S.	38589
J.P.W.B.	Tyrian of Halifax, N.S.	60459	S.M.W.K.	Elizabeth of Charlottetown P.E.I.	39113
J.Q.F.M.	Garthelyde of Montreal, Que.	82960	S.N.V.R.	Sellasia of St. John, N.B.	113495
J.R.P.C.	Severn of Charlottetown, P.E.I.	88648	S.W.H.P.	Egeria of St. John, N.B.	80008
J.S.C.T.	Salvor of Victoria, B.C.	62279	T.C.M.D.	Ensenada of Windsor, N.S.	94735
J.S.M.Q.	Natashquan of Quebec, Que.	62598	T.C.M.L.	Lovisa of Windsor, N.S.	97189
K.C.N.M.	Nitinat of Victoria, B.C.	91255	T.C.L.N.	Gloosecap of Windsor, N.S.	100108
K.F.B.H.	Korona of Montreal, Que.	91901	T.C.N.P.	Reva of Parrsboro, N.S.	100511
K.F.N.M.	Charles E. LeLurgey of Charlotte- town, P.E.I.	88658	T.C.N.Q.	Northumberland of Charlottetown P.E.I.	96937
K.H.M.C.	Emma R. Smith of Windsor, N.S.	85439	T.D.C.F.	Plymouth of Windsor, N.S.	80801
K.J.H.W.	Hamburg of Windsor, N.S.	92482	T.F.G.D.	Ranger of Gaspe, Que.	41568
K.L.P.V.	Yarmouth of Yarmouth, N.S.	93373	T.G.H.B.	Traveller of St. John, N.B.	41821
K.R.J.T.	Maecassa of Hamilton, Ont.	93922	T.G.H.D.	Flying Cloud of St. John, N.B.	41823
K.R.T.N.	Rosedale of Hamilton, Ont.	95265	T.G.O.F.	Wild Wave of Liverpool, N.S.	41929
K.V.C.R.	Halifax, Halifax, N.S.	95099	T.H.R.L.	Lord Straheona of Quebec, Que.	99478
K.W.J.T.	Manxman of Montreal, Que.	93825	T.J.D.Q.	Trebia of St. John, N.B.	115272
L.C.F.M.	Bayfield of Ottawa, Ont.	96049	T.J.Q.M.	Retlaw of Sarnia, Ont.	115131
L.D.F.C.	Lockwood of St. John, N.B.	61833	T.J.R.G.	Iberville of Gaspe, Que.	42425
L.J.C.N.	Parima of Montreal, Que.	96643	T.K.W.C.	Reine Victoria of Quebec, Que.	42707
L.Q.T.F.	Amur of Vancouver, B.C.	98073	T.M.J.B.	Simla of Vancouver, B.C.	97766
L.T.Q.V.	Cape Breton of Montreal, Que.	97808	T.M.J.N.	Canada of Ottawa, Ont.	116870
L.V.G.T.	Nevada of Montreal, Que.	95225	T.M.J.P.	Magaret of Ottawa, Ont.	135668
L.V.N.B.	Aranmore of Ottawa.	98579	T.M.J.Q.	Tuna of Montreal, Que.	115849
M.C.H.Q.	Empress of Japan of Vancouver, B.C.	98911	T.M.J.S.	Pesaquid of Maitland, N.S.	116558
M.H.L.Q.	Corunna of Montreal, Que.	99224	T.M.J.W.	Gilbert Islands of Liverpool, N.S.	131208
M.H.R.P.	Severn of Windsor, N.S.	85448	T.M.K.C.	Bellus of Quebec, Que.	138081
M.H.W.F.	Canada of Windsor, N.S.	100262	T.M.K.D.	Daniel M. Munro of Windsor, N.S.	112065
			T.M.K.G.	Hocking of Halifax, N.S.	102730
			T.M.K.H.	Hamborn of Halifax, N.S.	134464

SESSIONAL PAPER No. 22

BRITISH SHIPS Registered in Canada to which distinguishing signal have been allotted, arranged in order of signal letters.

Signal letters.	Name of Ship Port of Registry.	Official number.	Signal letters.	Name of Ship Port of Registry.	Official number.
T.M.K.J.	Wethersfield of Montreal, Que.	114445	T.N.K.W.	Ferida E. of Parrsboro, N.S.	138477
T.M.N.P.	Malaspina of Ottawa, Ont.	136044	T.N.L.B.	Meredith A. White of Parrsboro, N.S.	138479
T.M.N.Q.	Galiano of Ottawa, Ont.	136047	T.N.L.C.	Vincent A. White of Parrsboro, N.S.	138478
T.M.N.S.	Edith M. Cavell of Shelburne, N.S.	138202	T.N.L.D.	Celina K. Goldman of St. John, N.B.	
T.M.P.C.	Lady Grey of Ottawa, Ont.	122014	T.N.L.P.	War Baline, Victoria, B.C.	140936
T.M.P.D.	A. E. McKinstry of Montreal, Que.	129491	T.N.M.G.	War Charger, Vancouver, B.C.	141128
T.M.P.K.	Jocotide of Sarnia, Ont.	134514	T.N.M.H.	Drallim of Liverpool, N.S.	141121
T.M.P.L.	Royalite of Sarnia, Ont.	134513	T.N.M.K.	James Slater of La Have, N.S.	138191
T.M.P.Q.	Sarnolite of Sarnia, Ont.	134515	T.N.M.P.	Earlings of Halifax, N.S.	138758
T.M.P.S.	Minnie G. Parsons, Windsor, N.S.	130254	T.N.M.Q.	Margaret F. Dick of Windsor, N.S.	
T.M.P.V.	Mabel Brown of Vancouver, B.C.	138351	T.N.R.M.	War Tanoo of Vancouver, B.C.	141208
T.M.P.W.	Margaret Haney of Vancouver, B.C.	138353	T.N.R.P.	War Suquash of Vancouver, B.C.	141195
T.M.Q.B.	Geraldine Wolvin of Vancouver, B.C.	138354	T.N.R.C.	War Edensaw of New Westminster, B.C.	140987
T.M.Q.C.	Laurel Whalen of Vancouver, B.C.	138367	T.N.K.K.	Bethalma of Port Stanley, Ont.	121959
T.M.Q.D.	Jessie Norcross of Vancouver, B.C.	138368	T.N.L.L.	Martha Parsons of Windsor, N.S.	
T.M.Q.F.	Janet Carruthers of Vancouver, B.C.	138369	T.N.L.M.	Henriette of Vancouver, B.C.	112254
T.M.Q.G.	Mabel Stewart of Vancouver, B.C.	138684	T.N.L.P.	J. E. Backman of LaHave, N.S.	141131
T.M.Q.H.	War Dog of Vancouver, B.C.		T.N.L.Q.	Cashier of Halifax, N.S.	138759
T.M.Q.N.	Canadian of Montreal, Que.	125427	T.N.L.R.	Turbina of Hamilton, Ont.	112201
T.M.Q.R.	Exikla of Parrsboro, N.S.	125966	T.N.L.V.	General George C. Hogg of Parrsboro, N.S.	141161
T.M.S.N.	Marie Barnard of Vancouver, B.C.	138690	T.N.V.J.	Huntley of Windsor, N.S.	
T.M.S.P.	Vogue of La Have, N.S.	138209	T.N.V.R.	Melanson Bros of Weymouth, N.S.	
T.M.S.Q.	Silver Queen of Maitland, N.S.	116559	T.N.V.S.	Ada A. McIntyre of St. John, N.B.	138503
T.M.S.W.	Frances Louise of Lunenburg, N.S.	138546	T.N.V.F.	Truro Queen of Parrsboro, N.S.	141162
T.M.V.C.	War Wasp of Picou, N.S.	103810	T.N.V.G.	Miriam H. of Weymouth, N.S.	138806
T.M.V.D.	Daniel Getson of Lunenburg, N.S.	138399	T.N.W.K.	Maid of Canada, Weymouth, N.S.	
T.M.V.H.	Chiralite of Toronto, Ont.	138536	T.N.W.Q.	Montclair, Yarmouth, N.S.	138747
T.M.V.N.	Beechland of Annapolis Royal, N.S.	138431	T.N.W.R.	Cape Race, Liverpool, N.S.	140869
T.M.V.P.	William Melbourne of Parrsboro, N.S.	133900	T.N.W.S.	E. L. Comeau, La Have, N.S.	141122
T.M.V.Q.	Esther Adelaide of Parrsboro, N.S.	138471	T.N.W.V.	Eugenie Owen MacKay, Parrsboro, N.S.	141165
T.M.V.R.	Reginolite.		T.P.B.C.	Cambrai, Picou, N.S.	138652
T.M.V.S.	Ralph S. Parsons of Windsor, N.S.	130256	T.P.B.D.	Bernice, R. La Have, N.S.	141133
T.M.V.W.	Lewis Brothers of Halifax, N.S.	138347	T.P.B.F.	Favonian, Windsor, N.S.	141073
T.M.W.B.	Ainslie of Liverpool, N.S.	130243	T.P.B.G.	Jessie Louise Fauquier, Windsor, N.S.	
T.M.W.C.	Malahat of Victoria, B.C.	134655	T.N.L.H.	War Masset, Victoria, B.C.	138788
T.M.W.H.	War Fish of Port Arthur, Ont.	138008	T.N.L.Q.	War Camchin, Victoria, B.C.	140939
T.M.W.J.	Thomas J. Drummond of Sault Ste Marie, Ont.	126863	T.N.L.J.	War Cariboo, Vancouver, B.V.	141036
T.M.W.L.	E. E. Armstrong of Windsor, N.S.	130257	T.N.L.K.	War Cayuse, Vancouver, B.C.	141037
T.M.W.N.	Jean Steedman of Victoria, B.C.	134658	T.N.L.R.	War Haida, Victoria, B.C.	140940
T.M.W.P.	Winthear of Liverpool, N.S.	138198	T.N.M.B.	War Nanoose, Victoria, B.C.	140949
T.M.W.Q.	Racewel of Weymouth, N.S.	138445	T.N.L.W.	War Skeena, Victoria, B.C.	140942
T.M.W.R.	Annie B. Anderson of Parrsboro, N.S.	138474	T.N.L.V.	War Stikine, Victoria, B.C.	140941
T.M.W.S.	Angouleme of Montreal, Que.	138211	T.N.R.K.	War Atlin, Vancouver, B.C.	141127
T.N.B.G.	Misty Star of Shelburne, N.S.		T.N.R.H.	War Canso, Vancouver, B.C.	141118
T.N.B.J.	Rebecca L. MacDonald of Digby, N.S.		T.N.R.L.	War Chilkat, Vancouver, B.C.	141205
T.N.B.Q.	Charles A. Riteey of Lunenburg, N.S.	138555	T.N.R.C.	War Edensaw, New Westminster, B.C.	140987
T.N.B.R.	Integral of Lunenburg, N.S.	138554	T.N.R.D.	War Kitimat, New Westminster, B.C.	141172
T.N.C.D.	Tabaralite, Toronto, Ont.	137907	T.N.R.J.	War Nicola, Vancouver, B.C.	141125
T.N.C.G.	Hilda M. Stark of Annapolis Royal, N.S.	138432	T.N.M.R.	War Tyree of New Westminster, B.C.	140981
T.N.C.K.	Albemanina of Liverpool, N.S.	138200	T.N.N.S.	War Sumas of New Westminster, B.C.	140982
T.N.C.P.	Don Parsons, Windsor, N.S.		T.N.V.B.	La Canadienne of Ottawa, Ont.	82778
T.N.C.R.	Alfred Ock Hedley, Parrsboro, N.S.	138476	T.P.B.H.	St. Mihiel, Toronto, Ont.	137909
T.N.C.S.	Maid of Brazil, Weymouth, N.S.	138801	T.Q.L.S.	Senlac of St. John, N.B.	112239
T.N.F.C.	William A. Naugler LaHave, N.S.	138645	T.Q.M.F.	Silver Leaf of Parrsboro, N.S.	112329
T.N.F.G.	Evelin Wilkie, LaHave, N.S.	138646	T.Q.N.K.	Christie C. Thomey of Ottawa, Ont.	127672
T.N.F.L.	William Duff, Lunenburg, N.S.	138883	T.Q.W.E.	Princess of Charlottetown, P.E.I.	103595
T.N.G.H.	Chautauqua, Lunenburg, N.S.	138335	T.Q.W.F.	F. C. Lockhart of St. John N.B.	126018
T.N.J.V.	J. H. Wade, Montreal, Que.	134616	T.Q.W.J.	Lady Sybil of Magdalen Isds., P.Q.	85406
T.N.K.B.	Alaska, Vancouver, B.C.		T.Q.W.L.	W. M. Richard of Annapolis Royal, N.S.	126598
T.N.K.C.	Porsanger, Montreal, Que.		T.Q.W.N.	David C. Riteey of Lunenburg, N.S.	133812
T.N.K.D.	Dornfontein of St. John, N.B.		T.V.D.W.	Seotsman of Halifax, N.S.	116114
T.N.K.F.	Margery Mahaffy of Lunenburg, N.S.	138826	V.H.K.G.	British Columbia of Vancouver, B.C.	119063
T.N.K.H.	Adam B. MacKay of Parrsboro, N.S.	138472			
T.N.K.L.	Impressive of La Have, N.S.	138648			
T.N.K.R.	Socoy of Weymouth, N.S.	138442			
T.N.K.V.	Louis Theriault of Weymouth, N.S.	138803			

9 GEORGE V, A. 1919

BRITISH SHIPS Registered in Canada to which distinguishing signal have been allotted, arranged in order of signal letters.

Signal letters.	Name of Ship Port of Registry.	Official number.1	Signal letters.	Name of Ship Port of Registry.	Official number.
V.L.K.C....	Florence C. Lawrence of Port Hawkesbury, N.S.....	46907	W.H.N.K..	Coban of Montreal, Que.....	86071
V.L.Q.B....	Louisburg of Montreal, Que.....	83582	W.K.N.J..	Acacia of Port Medway, N.S.....	83313
V.S.P.W....	Gulnare of Ottawa, Ont.....	97071	W.K.N.V..	Dora Siewerd of Victoria, B.C.....	100168
W.D.L.J....	Alert of Weymouth, N.S.....	94823	W.K.P.N..	Zeta of Windsor, N.S.....	112058
W.D.L.N....	Carlotta G. Cox of Vancouver, B.C.....	97154	W.K.P.R..	Burleigh of Halifax, N.S.....	116450
W.D.L.P....	E. B. Marvin of Halifax, N.S.....	94810	W.M.B.C..	Ophelia of Shelburne, N.S.....	111890
W.D.M.H....	Lansdowne of Ottawa, Ont.....	90604	W.M.B.P..	Advent of Windsor, N.S.....	112921
W.D.M.S....	Elva of Shelburne, N.S.....	103785	W.M.C.B..	Invictus of Annapolis Royal, N.S.....	112001
W.D.P.G....	Bravo of Lunenburg, N.S.....	103497	W.M.C.L..	W. H. Baxter of Windsor, N.S.....	117162
W.D.P.L....	Olinda of Liverpool, N.S.....	107275	W.M.C.P..	Edna V. Pickels of Annapolis Royal, N.S.....	112003
W.D.V.G....	Chasina of Vancouver, B.C.....	85075	W.N.J.D..	Amherst of Charlottetown, P.E.I.....	78142
W.H.C.G....	Evadne of Picton, N.S.....	100705	W.N.Q.R..	Virginie of Quebec, Que.....	51537
W.H.D.F....	M. J. Taylor of Quebec, Que.....	111676	W.Q.R.V..	City of Ghent of Halifax, N.S.....	63145
W.H.D.R....	E. A. Sabeau of Port Medway, N.S.....	90839			

SESSIONAL PAPER No. 22

LIST of vessels whose names have been changed by the Minister of Marine and Fisheries under Section 27 of Chapter 113 of the Revised Statutes of Canada, 1906, during the year ended December 31, 1918.

LISTE des navires dont les noms ont été changés par le ministre de la Marine et des Pêcheries, d'après les dispositions de l'article 27, chapitre 113 des Statuts Révisés du Canada, 1906, durant l'année terminée le 31 décembre 1918.

Official Number. Numero officiel.	Present Name of Vessel. Nom actuel du navire.	Port of Registry. Port d'enregistrement.	Former Name of Vessel. Ancien nom du navire.
75266	Antoine Auger.....	Quebec.....	Cherokee.
141013	Anutz.....	Vancouver.....	Alta.
138727	Ath.....	New Westminster.....	Troy.
140937	Clinton.....	Victoria, B.C.....	Daring.
116815	Eric W.....	Montreal.....	Harry E. Paeker.
	Fannie F.....		Fox.
134122	G. S. McD. Co., No. 2.....	Victoria, B.C.....	E. E. H. II.
134123	G. S. McD. Co., No. 3.....	Victoria, B.C.....	E. E. H. III.
138674	G.T.P. No. 1.....	Vancouver, B.C.....	C. C. Co. No. 7.
138675	G.T.P. No. 2.....	Vancouver, B.C.....	C. C. Co. No. 9.
82960	Garthelyde.....	Montreal.....	Clyde.
138214	Glenisla.....	Midland.....	Western Star.
138213	Glenorchy.....	Midland.....	A. E. Stewart.
138697	Hermosa.....	Vancouver.....	Elizabeth.
138212	Home Smith.....	Midland.....	William S. Mack.
134082	Ida Jane.....	Vancouver.....	Emanuel Pycroft.
138784	Island Princess.....	Victoria.....	Daily.
138780	Jessie Island.....	Victoria.....	Planet.
126736	Kitlup.....	Vancouver.....	Rosina K.
137960	Laketon.....	Toronto.....	Saxona.
	Lemon.....	St. Andrews, N.B.....	Eseort.
	Madeline D.....	Halifax, N.S.....	Minta.
130778	Mack Jean.....	Sault Ste. Marie.....	C. W. Endress.
130875	Maid of Ecoole.....	Vancouver.....	Fraser Ferry No. 1.
121212	Melville Dollar.....	Vancouver.....	Hazel Dollar.
138505	Muriel W.....	Montreal.....	Veronica.
116542	Nakusp.....	Vancouver.....	Dorothy Symons.
130866	P. W.....	New Westminster.....	Birdswell.
112004	Pineland.....	Annapolis Royal.....	Georgeina Roop.
141198	Prosperative.....	Vancouver.....	Royal.
112080	Purity.....	Kenora, Ont.....	Five Roses.
122456	Robert Austin.....	Yarmouth.....	Meteghan I.
126781	Sanita.....	New Westminster.....	Faloma.
141015	Swift Bill.....	Vancouver.....	Minnie.
	Tramp.....	Prince Rupert.....	Fearless.
138504	Woodlands.....	Montreal.....	Middlesex.

9 GEORGE V, A. 1919

LIST of ships registered in Canada fitted with radiotelegraph apparatus showing the call signals allotted to each.

Name of Vessel.	Signal.	Name of Vessel.	Signal.
Aberdeen.....	V D G	Lord Strathcona.....	V F X
Acadia.....	V D T	Lorne.....	C J C
Alberta.....	V F Q	Macassa.....	V E K
Angouleme.....	C H T	Malaspina.....	V D U
Aquilo.....	V F U	Manitoba.....	V G H
Aranmore.....	V D Q	Margaret.....	V D W
Assiniboia.....	V G I	Martian.....	C K H
Athabasca.....	V G G	Messines.....	C K V
Bayfield.....	C F A	Midland King.....	C K I
Bessie Dollar.....	V F O	Midland Prince.....	C K J
Canada.....	V D C	Mina Brea.....	V A P
Camosun.....	V F Z	Montcalm.....	V D J
Canora.....	C K D	Montreal.....	V C W
Cartier.....	C F B	Musquash.....	C J Z
Cayuga.....	V E L	Newington.....	V D P
Charlton.....	V E X	Newona.....	L S D
Chicora.....	V E J	Naronic.....	V G W
Chelohsin.....	V G N	Ontario No. 1.....	V G U
Canadian Pioneer.....	C K T	Ontario No. 2.....	V E R
Canadian Voyageur.....	C K S	Prince Albert.....	V F L
Chippewa.....	V E H	Prince Arthur.....	V G J
Collingwood.....	C K P	Prince Edward Island.....	V B Y
Corona.....	V E B	Prince George.....	V G K
Dalhousie City.....	V E A	Prince John.....	V F M
Dollard.....	V D O	Princess Adelaide.....	V F A
Druid.....	V D H	Princess Alice.....	V F D
E. B. Osler.....	C K E	Princess Beatrice.....	V F C
Emperor.....	C K F	Princess Charlotte.....	V F E
Estevan.....	V D N	Princess Ena.....	V F J
Empire.....	V F P	Princess Maquinna.....	V G T
Empress of Japan.....	M P J	Princess Mary.....	V F B
Empress of Russia.....	M R D	Princess May.....	V F H
Empress of Asia.....	G K R	Princess Patricia.....	V G Z
Festubert.....	C K R	Princess Royal.....	V F G
G. R. Crowe.....	V E T	Rapids King.....	V E G
G. R. Gray.....	C J T	Reginolite.....	C H W
Garden City.....	V E I	Riverton.....	V B I
Glenfinnan.....	V B L	Royalite.....	V B Q
Glenisla.....	C K B	Saguenay.....	V B P
Glenmavis.....	B G D	Salvor.....	V F V
Glenlyon.....	V B J	Sarnolite.....	V B R
Glenushee.....	V E W	Schoolcraft.....	V A U
Gopher.....	C J U	Sheba.....	V D Z
Grise.....	V A Y	Stadacona.....	V B U
Gulnare.....	V B Z	Stanley.....	V E D
Guiana.....	M B H	St. Eloi.....	C K Y
Hamonic.....	V G D	St. Julian.....	C K Z
Harold Dollar.....	V C Y	Talaralite.....	C J K
Harrison.....	V F Y	Tees.....	V F K
Hochelaga.....	V B V	Thomas J. Drummond.....	V H Y
Hochelaga.....	C H R	Toronto.....	V E D
Huronic.....	V G E	Turbina.....	V E N
J. A. McKee.....	C H X	Turret Cape.....	C F V
J. H. G. Haggarty.....	C K G	Turret Court.....	C H Z
Keewatin.....	V G C	Turret Crown.....	Z D H
Kerry Range.....	C J O	Vimy.....	C K X
Kingston.....	V E C	Venture.....	V G X
Korona.....	C H O	Watuka.....	C K U
Lady Evelyn.....	V D X	W. D. Matthews.....	C K K
Lady Grey.....	V D L	W. Grant Morden.....	C K L
Lady Laurier.....	V D F	Wetherfield.....	C H P
Laketon.....	C H O	War Hydra.....	X P U
Laurentian.....	C F C	Yarmouth.....	V G Y
Lingan.....	C H Q	Yates.....	V B T
		Ypres.....	C K W

SUPPLEMENT

TO THE

FIFTY-FIRST ANNUAL REPORT OF THE DEPARTMENT OF
MARINE AND FISHERIES FOR THE FISCAL
YEAR 1917-18. (MARINE.)

STEAMBOAT INSPECTION REPORT

PRINTED BY ORDER OF PARLIAMENT

SUPPLÉMENT

AU CINQUANTE-ET-UNIÈME RAPPORT ANNUEL DU MINISTÈRE
DE LA MARINE ET DES PÊCHERIES POUR
L'EXERCICE 1917-18. (MARINE.)

RAPPORT

SUR

L'INSPECTION DES BATEAUX À VAPEUR

IMPRIMÉ PAR ORDRE DU PARLEMENT



OTTAWA
J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1918

CONTENTS.

	PAGE
INTRODUCTION—Report of the Chairman of the Board of Steamboat Inspection to the Deputy Minister.....	7
List of Steamboat Inspectors.....	11
TABLE I—Steamers, Machinery and Hulls, inspected in Canada during the Fiscal Year ended March 31, 1918. Names arranged alphabetically.....	21
TABLE II—Inspections made during Fiscal Year ended March 31, 1918, of Dredges, Drill Boats, Floating Elevators, etc., arranged according to Districts.....	117
TABLE III—Passenger Barges (towed which having no machinery aboard are subject only to inspection by an Inspector of Hulls and Equipment).....	129
TABLE IV—Vessels not inspected during Fiscal Year ended March 31, 1918.....	130
TABLE V—Statement of Steam Vessels added to Dominion during the Fiscal Year ended March 31, 1918.....	139
TABLE VI—Statement of Steam Vessels Lost, Broken Up or Laid Up as unfit for Service, in the Dominion during the Fiscal Year ended March 31, 1918, and where last employed....	144
TABLE VII—Statement of the Number of Inspections of Ship's Tackle, made during the Fiscal Year ended March 31, 1918.....	145
TABLE VIII—List of Certificates granted to Engineers of Steamboats during the Fiscal Year ended March 31, 1918. Certificates of Competency.....	146
TABLE IX—List of Certificates granted to Engineers of Steamboats during the Fiscal Year ended March 31, 1918. Temporary Certificates.....	149

TABLE DES MATIÈRES.

	PAGES
INTRODUCTION—Rapport du président du Bureau d'inspection des bateaux à vapeur soumis au sous-ministre	15
Liste des inspecteurs des bateaux à vapeur	19
TABLEAU I—Vapeurs, machines et coques, inspectés au Canada durant l'exercice financier terminé le 31 mars 1918; les noms sont disposés alphabétiquement	21
TABLEAU II—Inspections faites durant l'exercice financier terminé le 31 mars 1918; de dragues, bateaux forêts, éleveurs flottants etc. Les noms sont disposés d'après les districts.....	117
TABLEAU III—Barges (en remorque) pour passagers. Ces barges n'ayant pas de machines à bord, n'ont à subir que l'inspection de la coque et de l'équipement, par un inspecteur chargé de ce genre d'inspections.....	129
TABLEAU IV—Navires non inspectés durant l'exercice financier terminé le 31 mars 1918.....	130
TABLEAU V—Relevé des navires à vapeurs ajoutés à la marine marchande de la Puissance durant l'exercice financier terminé le 31 mars 1918.....	139
TABLEAU VI—Relevé des bateaux à vapeur perdus, démolis ou désarmés comme impropres à tout service, dans la Puissance, durant l'exercice financier terminé le 31 mars 1918.....	144
TABLEAU VII—Relevé du nombre des inspections des appareils de levage, à bord des navires, faites durant l'exercice financier terminé le 31 mars 1918.....	145
TABLEAU VIII—Liste des certificats accordés aux mécaniciens de bateaux à vapeur durant l'exercice financier terminé le 31 mars 1918. Certificats de capacité	146
TABLEAU IX—Liste des certificats accordés aux mécaniciens de bateaux à vapeur durant l'exercice financier terminé le 31 mars 1918. Certificats temporaires.....	149

OTTAWA, March, 1919.

HON. C. C. BALLANTYNE,
Minister of Marine and Fisheries.

SIR,—I have the honour to submit the Supplement to the Fifty-first Annual Report of the Department of Marine and Fisheries (Marine Branch) for the fiscal year 1917-18, being the Report of the Chairman of the Board of Steamboat Inspectors.

I have the honour to be, sir,

Your obedient servant,

A. JOHNSTON,
Deputy Minister of Marine and Fisheries.

OTTAWA, mars 1919.

Hon. C. C. BALLANTYNE,

Ministre de la Marine et des Pêcheries.

MONSIEUR,—J'ai l'honneur de vous soumettre le rapport du président du Bureau d'inspection des bateaux à vapeur, publié en supplément au cinquante-et-unième rapport annuel du ministère de la Marine et des Pêcheries (Direction de la Marine marchande) pour l'exercice financier 1917-18.

J'ai l'honneur d'être, monsieur,

Votre obéissant serviteur,

A. JOHNSTON,

Sous-ministre de la Marine et des Pêcheries.

BOARD OF STEAMBOAT INSPECTION.

OTTAWA, March 22, 1919.

To the Deputy Minister of
Marine and Fisheries,
Ottawa, Ont.

SIR,—I have the honour to submit as follows, the annual report of the Steamboat Inspection Service, for the fiscal year ended March 31, 1918.

STAFF.

Mr. George P. Phillips, Steamboat Inspector at Kenora, since May 16th, 1896, died on June 15th, 1917. Arrangements were made to have the inspection work formerly conducted by Mr. Phillips attended to by the Steamboat Inspectors at Edmonton and Port Arthur, the Kenora office being discontinued.

With this end in view Mr. W. J. Vigers, Inspector of Boilers and Machinery at Port Arthur, was examined as to his qualifications to fill the position of Inspector of Hulls and Equipment in order that he might act in the dual capacity as had Mr. Phillips. Having been found satisfactory Mr. Vigers was appointed Inspector of Hulls and Equipment by Order in Council of the 16th May, 1917.

Mr. J. B. A. Martin, Tackle Inspector at Montreal, resigned on the 30th April, 1917.

Due to the death of Mr. F. F. Pickard, lost in the SS. "PERSIA," there was a vacancy in the British Columbia district. The Inspectors in British Columbia having, after the death of Mr. Pickard, been authorized to act in the dual capacity both as Inspectors of Boilers and Machinery and Hulls and Equipment, it was considered advisable in filling the vacancy to make the headquarters of the new appointee at Prince Rupert. Consequently, Mr. A. Farrow, who had passed a satisfactory examination, was appointed Inspector of Boilers and Machinery and Hulls and Equipment, with headquarters at Prince Rupert. Mr. Farrow took up his duties on the 30th May, 1917.

BOARD MEETINGS.

A number of Board meetings were held during the year, these being for the purpose of dealing with questions arising out of the administration of the regulations governing steamboat inspection, and for the approval of certain life saving equipment.

CASUALTIES.

The following are the casualties reported from the several divisions during the year ending March 31, 1918.

NOVA SCOTIA DIVISION.

On December 16, 1916, the ss. *Hippolyta* broke adrift during a gale, and, running on the rocks at Barrington Passage, N.S., became a total loss.

On March 2, 1917, the ss. *Florizel* (registered in Liverpool, G.B.), sailing from St. John's to Halifax was wrecked at Chance cove, Newfoundland, 102 lives being lost.

On February 23, 1917, the ss. *Acadien (ex Seulas)* was lost off the Newfoundland coast. The captain and eight of the crew were lost.

On April 22, 1917, the ss. *Durley Chine* was in a collision off Sandy Hook, U.S.A., and became a total loss.

On May 16, 1917, the ss. *William Edwards* foundered off cape Pine, Newfoundland. Total loss.

On June 2, 1917, the ss. *Premier* ran ashore at Sambro, N.S., and was a total loss. Crew saved.

On June 10, 1917, the ss. *Njord* was burnt off St. Pierre. Total loss.

On June 10, 1917, the ss. *Scottish Hero* which left Sydney for Havre with a cargo of rails on May 31, 1917, was sunk by enemy shell fire. Crew saved.

On June 14, 1917, the ss. *Atlantic* struck off cape Forchu, C.B. Total loss. No lives lost.

On June 15, 1917, the ss. *Deliverance* collided with a Norwegian steamer off Halifax harbour and sank. No lives lost.

On July 25, 1917, the ss. *Heathcote* collided with a Dutch steamer in the gulf of St. Lawrence. Total loss, but no lives lost.

On Sept. 28, 1917, the ss. *William H. Murray* was sunk after colliding with the *Bramble Leaf* off Chebucto head, Halifax. Total loss. Pilot drowned.

On October 6, 1917, the ss. *Norcy I* (new) was lost off St. Shortts, Newfoundland. No lives lost.

On November 11, 1917, the ss. *C. E. Tanner* ran ashore at Coffin's island, Total loss. No lives lost.

STEAMERS DAMAGED BY EXPLOSION DECEMBER 6, 1917.

F. W. Roebling. Badly damaged. Being repaired at Dartmouth, N.S. Engineer killed.

Douglas H. Thomas. Badly damaged. Being repaired at Liverpool, N.S. Three of crew killed.

Hilford. Badly damaged. Captain and one of crew killed.

Ragus. Badly damaged. Being repaired at Dartmouth. Four of crew and two workmen killed.

Stella Maris. Badly damaged. Captain and Engineer killed.

Nevada. Damaged, grounding off Canso. Refloated and repaired at Dartmouth, N.S.

NEW BRUNSWICK DIVISION.

On July 18, 1917, the ss. *Grand Maran*, on a passage to St. Stephen, had the tail end fractured. A new shaft was fitted at St. John, N.B.

On September 20, 1917, the ss. *Loretta* caught fire at Market Slip and was totally destroyed. No loss of life.

The ss. *Connors Bros.*, while on a passage to Black's Harbour through ice fields, fractured propeller and tiller. Repaired at St. John, N.B.

The ss. *May Queen*, while lying at winter quarters at Milford caught fire, burnt to the water's edge and sank, a total loss. No lives lost.

The ss. *Mackelvie*, while at winter quarters was totally destroyed by fire near Campbellton, N.B. No loss of life.

QUEBEC DIVISION.

Nil.

SESSIONAL PAPER No. 23

SOREL DIVISION.

On September 26, 1917, tug *Emma L.* overturned by steamer being towed and sank. Taken to Sorel for repairs. Three lives lost.

On May 10, 1917, ss. *Lloyd S. Porter* took fire in Fair Haven harbour and was totally destroyed. No lives lost.

On June 5, 1917, ss. *Maisonneuve II* coming from Montreal collided with a transatlantic steamer and sank. Repaired at Sorel. No loss of life.

MONTREAL DIVISION.

On April 20, 1917, the ferry *St. Louis* sank at her moorings. Supposed to have been caused by ice. Broken up at Montreal Harbour Commissioner Ship Yard.

During October, 1917, the ss. *St. Laurent*, of Montreal took fire in the canal basin at Cornwall and was totally destroyed. No lives lost.

KINGSTON DIVISION.

Nil.

TORONTO DIVISION.

On May 1, 1917, the ss. *Casc* was destroyed by fire on lake Erie near East Sister island.

On May 11, 1917, the ss. *Conger Coal* was destroyed by fire in North Haven harbour, N.Y.

On June 19, 1917, the ss. *Natironco* collided with the U.S. ss. *Eastern States* and sank in the Detroit river. Raised and now at Toledo, Ohio.

On August 26, 1917, the tug *James Reid* foundered near Byng inlet, Georgian bay.

On October 4, 1917, the tug *Geo. H. Jones* burned and sank in 30 fathoms of water at Parry Sound.

On October 8, 1917, the ss. *Geo. A. Graham* was driven ashore at South bay, Manitoulin island, a partial loss. Steamer being recovered.

On March 12, 1918, the ferry *Kathleen* and *Island Queen* were partially destroyed by fire at their moorings, Toronto island.

COLLINGWOOD DIVISION.

On July 30, 1917, the ss. *Westmount* stranded on Caribou island. No loss of life.

PORT ARTHUR DIVISION.

On November 22, 1917, the tug *Alberta* sank in Thunder bay. Crew picked up by *Christena Mac*. Tug a total loss.

On December 10, 1917, the tug *W. J. Emerson* was partially burned. Cause of fire unknown.

KENORA DIVISION.

Nil.

EDMONTON DIVISION.

Nil.

VANCOUVER DIVISION.

On August 24, 1917, ss. *British Columbia* listed and sank at the dock. No lives lost. Vessel raised and refitted.

On August 26, 1917, the ss. *Cassiar* struck a rock at Trivett island and sank. Passengers and crew safely landed. Vessel raised and repaired at Vancouver.

On September 26, 1917, the tug *Aliford* caught fire and burned in Agamemnon channel, Jervis inlet. A total loss. No loss of life.

On October 27, 1917, the tug *Commodore* and barge *St. David* encountered heavy weather from Alaska to Anyox, B.C. The *St. David* was cast adrift and the *Commodore* towed into port partially damaged. No lives lost.

VICTORIA DIVISION.

On June 17, 1917, the ss. *Princess Maquinna* struck a rock near Kyuquot, damaging the hull. Repaired at Victoria.

On June 7, 1917, the ss. *Eva Marie* stranded off Helmcken island, Vancouver island, and became a total loss. Boiler removed.

On July 28, 1917, the ss. *Trader*, to Union Bay from Vancouver, broke propeller shaft. Repaired at Victoria.

On October 20, 1917, the ss. *Gray* struck Fitzroy reef, Calvert island, but floated off. Repairs were made at Esquimalt.

I have the honour to be, sir,

Your obedient servant,

FRANK McDONNELL,

Chairman.

SESSIONAL PAPER No. 23

STEAMBOAT INSPECTION Staff for the Dominion of Canada during the fiscal Year ended March 31, 1918.

INSPECTORS OF BOILERS AND MACHINERY.

Name of Inspector.	Headquarters.	Division.
N. A. Currie.....	Halifax, N.S.....	Nova Scotia.
D. J. Murray.....	".....	"
C. E. Dalton.....	St. John, N.B.....	New Brunswick and P.E.I.
J. A. Samson.....	Quebec, P. Q.....	Quebec.
F. X. Hamelin.....	Sorel, P.Q.....	Sorel.
J. E. Lunan.....	Montreal, P.Q.....	Montreal.
J. T. Gardham.....	".....	"
T. P. Thompson.....	Kingston, Ont.....	Eastern Ontario.
J. Dodds.....	Toronto, Ont.....	Western Ontario, Toronto.
J. B. Stewart.....	".....	"
G. M. Arnold.....	".....	"

INSPECTORS OF HULL AND EQUIPMENT.

A. McDougall.....	Halifax, N.S.....	Nova Scotia.
I. J. Olive.....	St. John, N.B.....	New Brunswick and P.E.I.
Capt. W. R. Bennett.....	".....	"
P. Ducloux.....	Quebec, P.Q.....	Quebec.
T. McConkey.....	".....	"
M. R. Davis.....	Kingston, Ont.....	Eastern Ontario.
W. Evans.....	Toronto, Ont.....	Western Ontario, Toronto.
S. D. Andrews.....	Collingwood, Ont.....	"

INSPECTORS ACTING IN DUAL CAPACITY.

W. J. Vigers.....	Port Arthur, Ont.....	Western Ontario, Port Arthur.
(1) G. P. Phillips.....	Kenora, Ont.....	Western Ontario and Manitoba.
J. T. Mathews.....	Edmonton, Alta.....	Saskatchewan, Alberta and N.W.T.
A. E. Hopper.....	Vancouver, B.C.....	British Columbia.
H. G. Robinson.....	".....	"
W. J. Cullum.....	Victoria, B.C.....	"
B. Mantrop.....	".....	"
A. Farrow.....	Prince Rupert, B.C.....	Prince Rupert and Yukon.

INSPECTORS OF SHIPS TACKLE.

D. J. Murray.....	Halifax, N.S.	
J. M. Martin.....	St. John, N.B.	
(2) E. D. Ring.....	"	
A. Duval.....	Montreal, P.Q.	

(1) Since deceased.

(2) Temporary appointment *vice* J. M. Martin, on active service.

TABLE showing the number of Inspections made, Fees collected, etc., during the Year ending March 31, 1918.

DIVISION.	Number of Inspections made, with Gross Tonnage of Vessels Inspected		Number of Vessels not Inspected with Gross Tonnage.		Total number of Vessels subject to Inspection when in Commission, with Gross Tonnage.		Number of vessels added to the Dominion with Gross Tonnage.		Number of Vessels Lost, Broken Up or Destroyed, with Gross Tonnage.		Fees collected by Inspectors.		On account of Examinations of Engineers.
	No	Gross Tonnage.	No.	Gross Tonnage.	No.	Gross Tonnage.	No.	Gross Tonnage.	No.	Gross Tonnage.	On account of Inspectors.		
											\$	cts.	
Halifax.....	154	54,507	10	17,090	199	80,137	7	2,930	33	23,834	763	20	195 00
St. John.....	113	22,252	13	27,863	201	20,505	1	70,494	3	550	391	20	72 00
Quebec.....	115	26,647	25	9,702	111	36,697	6	1,246	1	39	.....	.....	53 00
Sorel.....	112	48,835	1	4,388	137	51,971	4	671	4	75 00	.....	.....	75 00
Montréal.....	178	39,732	77	1,757	256	50,575	6	3,464	8	1,915	69	75	200 00
Kingston.....	106	39,473	13	11,451	159	51,283	2	2,178	1	33	.....	.....	60 00
Toronto.....	337	214,533	40	35,778	561	391,295	29	16,737	6	3,799	138	40	128 00
Collingwood.....	78	124,345	9	1,772	88	127,796	3	3,089	3	1,037	.....	.....	15 00
Port Arthur.....	97	27,312	4	5,116	176	37,486	6	5,169	3	706	45	68	.....
Kenora.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmonton.....	24	3,619	16	1,219	40	4,807	1	15	1	132	.....	.....	9 00
Vancouver.....	215	86,538	9	37,079	211	91,205	8	51,713	4	305	.....	.....	211 00
Victoria.....	115	57,835	20	31,688	159	33,211	6	5,919	3	160	212	00	187 00
Prince Rupert.....	36	10,392	8	9,149	36	19,041	3	1,128	.....	.....	.....	.....	20 00
Totals.....	1,689	787,048	120	179,105	2,384	1,018,516	73	47,474	70	32,741	1,620	23	1,225 00

SESSIONAL PAPER No. 23

LIST of abbreviations and French equivalents of technical terms used throughout this report.

LISTE des abréviations anglaises des termes techniques contenus dans ce rapport et vocables français correspondants.

Abbreviations. Abréviations.	English Equivalent. Signification en anglais.	French Equivalent. Vocables français correspondants.
Allr. tug.....	Alligator tug.....	Remorqueur alligator.
By. Ser.....	Buoy service.....	Service des bouées.
Coastg.....	Coasting.....	Cabotage.
C'stwise.....	Coastwise.....	Navigant le long de la côte.
Car Fy.....	Car Ferry.....	Bac pour trains de chemin de fer.
Comp.....	Composite.....	Bâtiment mixte.
Crsr.....	Cruiser.....	Croiseur.
Clmshl. Dr.....	Clamshell dredge.....	Drague à mâchoire «Clamshell».
Dpr. Dr.....	Dipper dredge.....	Drague à cuiller.
Dr.....	Dredge.....	Drague.
Drek.....	Derrick.....	Mât de charge.
Drek. Scow.....	Derrick scow.....	Chaland à mât de charge.
Drl. Boat.....	Drill boat.....	Bateau foret.
Dr. Tndr.....	Dredge tender.....	Bateau d'annexe de drague.
Elevr. Dr.....	Elevator dredge.....	Drague à élévateur.
Fltg. Drek.....	Floating derrick.....	Mât de charge flottant.
Fishg. Boat.....	Fishing boat.....	Bateau de pêche.
“ tndr.....	Fishing tender.....	Bateau d'annexe de navire de pêche.
“ tug.....	Fishing tug.....	Remorqueur de pêche.
Frt.....	Freight.....	Fret.
Fy.....	Ferry.....	Bac ou ferry boat.
Fshy. Pat.....	Fishery patrol.....	Bateau surveillant les pêcheries.
“ Crsr.....	Fishery cruiser.....	Croiseur du service des pêcheries.
Govt. Ser.....	Government service.....	Service du gouvernement.
Grn. Elevr.....	Grain Elevator.....	Élévateur pour céréales.
Hrbr.....	Harbour.....	Havre.
Hppr. Bge.....	Hopper barge.....	Barge porteuse.
Lghtr.....	Lighter.....	Fer.
Lmbr. Bge.....	Lumber barge.....	Allège.
Lt. ship.....	Lightship.....	Barge portant du bois de construction.
Lt'house Ser.....	Lighthouse service.....	Bateau-feu.
Pdl.....	Paddle.....	Service des phares.
Pass.....	Passenger.....	Aubes.
Rek. Brkr.....	Roek breaker.....	Passagers.
Rek. cuttr.....	Roek cutter.....	Dérocheuse à pilon.
Sand Sckr.....	Sand sucker.....	Dérocheuse à outil tranchant.
Sen. Dr.....	Suction dredge.....	Drague à suction, pour sable.
Spn. Dr.....	Spoon dredge.....	Drague à suction.
Ser.....	Screw.....	Drague à cuiller.
Slvge Str.....	Salvage steamer.....	Hélice.
Stl.....	Steel.....	Vapeur de sauvetage.
Strn Whl.....	Stern wheel.....	Acier.
Tndr.....	Tender.....	Roue arrière.
—	Tug.....	Bateau d'annexe.
Tw. Ser.....	Twin screw.....	Remorqueur.
Tr. Ser.....	Triple screw.....	Hélices jumelles.
Whlr.....	Whaler.....	Triples hélices.
Wrekr.....	Wrecker.....	Balenier.
—	Wood.....	Sauvetage des épaves, etc.
Ycht.....	Yacht.....	Bois.
—	—	Yacht.

In column No. 4 of table I, in the case of passenger ships, where the following abbreviations are preceded by a number, this indicates the number of passengers allowed according to conditions under which a voyage is being made:—

Dans le cas des navires transportant des passagers et figurant dans la 4e colonne du tableau I, lorsque l'une quelconque des abréviations suivantes est précédée d'un nombre, celui-ci indique le nombre de passagers que le navire est autorisé à porter, en considérant la nature du voyage qu'il entreprend:—

Abbreviations. Abréviations.	English Equivalent. Signification en anglais.	French Equivalent. Vocables français correspondants.
C.....	Coasting.....	Cabotage.
Ex.....	Excursion.....	Excursion.
L.....	Lake.....	Lacs.
R.....	River.....	Fleuves ou rivières.
S.....	Summer.....	Été.
W.....	Winter.....	Hiver.

GEOGRAPHIC TERMS.

TERMES GÉOGRAPHIQUES.

*English—Anglais.**French—Français.*

Ocean.....	Océan.
Lake.....	Lac.
River.....	Rivière ou fleuve.
Channel.....	Chenal.
Port.....	Port.
Harbour.....	Havre.
Gulf.....	Golfe.
Bay.....	Baie.
Strait.....	Détroit.
Narrows.....	Passé ou goulet.
Canal.....	Canal.
Island.....	Ile.
Point.....	Pointe.
Cape.....	Cap.

SESSIONAL PAPER No. 23

BUREAUX D'INSPECTION DES BATEAUX À VAPEUR.

OTTAWA, le 22 mars 1919.

Au sous-ministre de la Marine et des Pêcheries,
Ottawa, Ont.

MONSIEUR,—Ci-après j'ai l'honneur de vous soumettre le rapport annuel sur le service qui s'occupe de l'inspection des bateaux à vapeur, rapport qui a été dressé pour l'année fiscale qui s'est terminée le 31 mars 1918.

PERSONNEL.

M. George P. Phillips, inspecteur des bateaux à vapeur à Kenora, depuis le 16 mai 1896, étant décédé le 15 juin 1917, on a pris les dispositions nécessaires pour que les inspections qui dans le passé étaient faites par M. Phillips, le soient à l'avenir par les inspecteurs des bateaux à vapeur à Edmonton et Port-Arthur, le bureau de Kenora étant supprimé.

Dans ce but M. W. J. Vigars, inspecteur des chaudières et machines à Port-Arthur, a subi un examen afin de montrer qu'il possède les connaissances voulues pour inspecter les coques et équipements des navires, et être à même d'agir comme inspecteur à un double titre, ainsi qu'il en était dans le cas de M. Phillips. M. Vigars ayant subi son examen avec succès a donc été nommé inspecteur des coques et équipements, par arrêté ministériel en date du 16 mai 1917.

M. J. B. A. Martin, inspecteur des palans à Montréal, a démissionné le 30 avril 1917.

Vu la mort de M. F. F. Pickard, perdu à bord du vapeur *Persia*, il existait une vacance dans le district de la Colombie-Britannique. Or, comme après le décès de M. Pickard, les inspecteurs de la Colombie-Britannique avaient été autorisés à agir à double titre comme inspecteurs des chaudières et des machines et aussi des coques et des équipements, on a jugé à propos, en comblant la vacance susdite, de situer à Prince-Rupert le bureau principal du nouveau titulaire. En conséquence M. A. Farrow, qui a subi un examen satisfaisant, a été nommé inspecteur des chaudières et machines, coques et équipements, avec bureau à Prince-Rupert, M. Farrow a commencé son service le 30 mai 1917.

ASSEMBLÉES DU BUREAU D'INSPECTION.

Les membres du bureau d'inspection ont tenu un certain nombre d'assemblées au cours de l'année, afin de considérer diverses questions résultant de l'application des règlements concernant l'inspection des bateaux à vapeur, et aussi l'acceptation de certains dispositifs d'équipement de sauvetage des vies humaines.

ACCIDENTS.

Ci-après, nous signalons les accidents survenus et dont a fait rapport le personnel des multiples divisions que comporte notre service, au cours de l'année terminée le 31 mars 1918.

DIVISION DE LA NOUVELLE-ECOSSE.

Le 16 décembre 1916 le vapeur *Hippolyta* brisa ses amarres sous l'action d'un coup de vent; ayant dérivé il fut jeté sur les rochers du passage Barrington, N.-E., d'où perte totale de ce bâtiment.

Le 2 mars 1917 le vapeur *Florizel* (enregistré à Liverpool G.B.) qui était parti de St-Jean, T.-N., à destination d'Halifax, fit naufrage à l'anse Chance, Terre-Neuve; les pertes de vies furent de 102 personnes.

Le 23 février 1917 le vapeur *Acadien* (ex *Seulac*) se perdit en face de la côte de Terre-Neuve. Le capitaine et huit hommes de l'équipage perdirent la vie dans ce naufrage.

Le 22 avril 1917 le vapeur *Durley Chine* étant entré en collision au large de Sandy Hook fut complètement perdu.

Le 16 mai 1917 le vapeur *William Edwards* coula à pic au large du cap Pine, Terre-Neuve. Perte totale.

Le 2 juin 1917, le vapeur *Premier s'échoua* à Sambro, N.-E., Perte totale de ce bâtiment, dont l'équipage fut sauvé.

Le 10 juin 1917, le vapeur *Ujard* fut détruit totalement par le feu au large de St-Pierre.

Le 10 juin 1917, le vapeur *Scottish Hero* qui était parti de Sydney à destination du Havre, à la date du 31 mai 1917, emportant une cargaison de rails, fut coulé par le canon de l'ennemi. L'équipage fut sauvé.

Le 14 juin 1917 le vapeur *Atlantic* toucha le fond en face du cap Fourchu, C.-B. Perte totale du bâtiment. Pas de perte de vie.

Le 15 juin 1917, le vapeur *Delivrance* entra en collision avec un vapeur norvégien, au large du havre d'Halifax et sombra. Pas de perte de vie.

Le 25 juillet 1917, le vapeur *Healthcote* entra en collision avec un vapeur hollandais, dans le golfe du St-Laurent. Perte totale du navire, pas de perte de vie.

Le 28 septembre 1917, le vapeur *William H. Murray* sombra après être entré en collision avec le *Bramble Leaf* au large de la pointe Chebucto, Halifax. Perte totale du navire. Le pilote se noya.

Le 6 octobre 1917, le vapeur *Noreg 1* (neuf) se perdit au large de St. Shortts, Terre-Neuve. Pas de perte de vie.

Le 11 novembre 1917, le vapeur *C. E. Tanner* s'échoua sur l'île Coffin's. Perte totale du navire. Pas de perte de vie.

VAPEURS AVARIÉS PAR UNE EXPLOSION LE 6 DÉCEMBRE 1917.

F. W. Roebling. Très avarié. En réparation à Dartmouth, N.-E., Le mécanicien a été tué.

Douglas H. Thomas. Très avarié. En réparation à Liverpool, N.-E. Trois hommes de l'équipage furent tués.

Hilford. Très avarié. Le capitaine et un homme de l'équipage furent tués.

Ragus. Très avarié. En réparation à Dartmouth, N.-E. Quatre des hommes de l'équipage et deux manœuvres furent tués.

Stella Maris. Très avarié. Le capitaine et le mécanicien furent tués.

Nevada. Avarié, échoué près de Canso. Renfloué et réparé à Dartmouth. N.-E.

DIVISION DU NOUVEAU-BRUNSWICK.

Le 18 juillet 1917, le vapeur *Grand Manan* qui se rendait à St. Stephen, brisa l'extrémité de son arbre de couche. On renouvela son arbre de couche à St-Jean, N.-B.

Le 20 septembre 1917, le vapeur *Loretta* prit feu à la cale du marché. Perte totale du navire, pas de perte de vie.

Pendant que traversant des champs de glace le vapeur *Connors Bros* se rendait à Black's Harbor, il brisa son hélice et sa barre de gouvernail. Réparé à St-Jean, N.-B.

SESSIONAL PAPER No. 23

Le vapeur *May Queen* prit feu pendant qu'il se trouvait à son poste d'hivernage à Milford. Le navire brûla jusqu'à sa ligne de flottaison et coula. Perte totale du bâtiment. Pas de perte de vie.

Le vapeur *Mackelvie* fut totalement détruit par le feu, près de Campbellton, N.-B., pendant qu'il se trouvait à son poste d'hivernage. Pas de perte de vie.

DIVISION DE QUÉBEC.

Néant.

DIVISION DE SOREL.

Le 26 septembre 1917, le remorqueur *Emma L* fut chaviré par le vapeur qu'il remorquait et coula. Renfloué il fut conduit à Sorel pour y être réparé. Trois pertes de vie.

Le 10 mai 1917, le vapeur *Lloyd S. Porter* prit feu dans le havre *Fair Haven* et fut complètement détruit. Pas de perte de vie.

Le 5 juin 1917, le vapeur *Maisonneuve II*, en provenance de Montréal, entra en collision avec un vapeur transatlantique et coula. Renfloué il fut réparé à Sorel. Pas de perte de vie.

DIVISION DE MONTRÉAL.

Le 20 avril 1917, le bac *St. Louis*, coula à son poste d'amarrage. Cet accident fut, on le suppose, causé par l'action des glaces. Ce bac fut démoli au chantier maritime des commissaires du havre de Montréal.

Durant le mois d'octobre 1917, le vapeur *St. Laurent* de Montréal, prit feu dans le bassin du canal, à Cornwall, et fut complètement détruit. Pas de perte de vie.

DIVISION DE KINGSTON.

Néant.

DIVISION DE TORONTO.

Le 1er mai 1917, le vapeur *Case*, fut détruit par le feu sur le lac Érié près de l'île East Sister.

Le 11 mai 1917, le vapeur *Conger Coal*, fut détruit par le feu à North Haven, N.-Y.

Le 19 juin 1917, le vapeur *Natironco* entra en collision avec le vapeur des E.-U. *Eastern States* et coula dans la rivière Détroit. Renfloué il se trouve actuellement à Toledo, Ohio.

Le 26 août 1917, le remorqueur *James Reid* sombra près de Byng Inlet, baie Georgienne.

Le 4 octobre 1917, le remorqueur *Geo. H. Jones* prit feu et coula à Parry Sound, par un fond de 30 brasses.

Le 9 octobre 1917, le vapeur *Geo. A. Graham* fut jetée à la côte à South Bay, île Manitoulin; perte partielle de ce navire, qui put être sauvé.

Le 12 mars 1918, le bac *Kalleen* et le *Island Queen*, furent partiellement détruits par le feu à l'île Toronto, pendant qu'ils étaient à leur poste d'amarrage.

DIVISION DE COLLINGWOOD.

Le 30 juillet 1917, le vapeur *Westmount* s'échoua sur l'île Caribou. Pas de perte de vie.

DIVISION DE PORT-ARTHUR.

Le 22 novembre 1917, le remorqueur *Alberta* coula dans la baie du Tonnerre. Son équipage fut recueilli par le *Christena Mac*. Perte totale du remorqueur.

Le 10 décembre 1917, le remorqueur *W. J. Emerson* fut partiellement détruit par un incendie d'origine inconnue.

DIVISION DE KENORA.

Néant.

DIVISION D'EDMONTON.

Néant.

DIVISION DE VANCOUVER.

Le 24 août 1917, le vapeur *British Columbia* donna de la bande et coula à quai. Pas de perte de vie. Navire renfloué et remis en état.

Le 26 août 1917, le vapeur *Cassiar*, frappa une roche à l'île Trivett et sombra. Les passagers et l'équipage furent débarqués à terre sans encombre. Le navire fut renfloué et par la suite réparé à Vancouver.

Le 26 septembre 1917, le remorqueur *Aliford* prit feu et brûla dans le chenal Agamemnon, Jarvis Inlet. Perte totale du navire. Pas de perte de vie.

Le 27 octobre 1917, le remorqueur *Commodore* et la barge *St. David* furent surpris par du gros temps entre l'Alaska et Anyox, C.-B. Le *St. David* fut abandonné à la dérive et le *Commodore* remorqué au port partiellement avarié. Pas de perte de vie.

DIVISION DE VICTORIA.

Le 17 juin 1917, le vapeur *Princess Maquina* frappa une roche près Kyuquot et avaria sa coque. Réparé à Victoria.

Le 7 juin 1917, la vapeur *Eva Marie* s'échoua au large de l'île Helmcken, île Vancouver. Perte totale de ce navire dont on put enlever la chaudière.

Le 28 juillet 1917, le vapeur *Trader*, se rendant de Vancouver à la baie Union, brisa son arbre porte hélice. Réparé à Victoria.

Le 20 octobre 1917, le vapeur *Gray* frappa le récif Fitzroy, île Calvert, mais se renfloua. Réparations faites à Esquimalt.

J'ai l'honneur d'être, monsieur,

Votre obéissant serviteur,

FRANK McDONNELL,
Président.

SESSIONAL PAPER No. 23

PERSONNEL employé par le gouvernement de la Puissance du Canada, pour l'inspection des bateaux à vapeur, au cours de l'exercice financier terminé le 31 mars 1918.

INSPECTEURS DES CHAUDIÈRES ET MACHINES.

Noms des inspecteurs.	Bureaux principaux.	Divisions.
N. A. Currie.....	Halifax, N.-E.....	Nouvelle-Ecosse
D. J. Murray.....	"	"
C. E. Dalton.....	St-Jean, N.-B.....	Nouveau-Brunswick et I.P.-E.
J. A. Samson.....	Québec, P.Q.....	Québec.
F. X. Hamelin.....	Sorel, P.Q.....	Sorel.
J. E. Lunan.....	Montréal, Qué.....	Montréal.
John T. Gardham.....	"	"
T. P. Thompson.....	Kingston, Ont.....	Est de l'Ontario.
J. Dodds.....	Toronto, Ont.....	Ouest de l'Ontario, Toronto.
J. B. Stewart.....	"	"
G. M. Arnold.....	"	"

INSPECTEURS DES COQUES ET ÉQUIPEMENTS.

A. McDougall.....	Halifax, N.-E.....	Nouvelle-Ecosse
I. J. Olive.....	St-Jean, N.-B.....	Nouveau Brunswick et I.P.-E.
Capt W. R. Bennett.....	St-Jean, N.-B.....	Nouveau-Brunswick et I.P.-E.
P. Duclos.....	Québec, Qué.....	Québec.
M. R. Davis.....	Kingston, Ont.....	Est de l'Ontario.
W. Evans.....	Toronto, Ont.....	Ouest de l'Ontario, Toronto.
S. D. Andrews.....	Collingwood, Ont.....	" Collingwood.

INSPECTEURS AGISSANT À DOUBLE TITRE.

W. J. Vigers.....	Port-Arthur, Ont.....	Ouest de l'Ontario, Port-Arthur et Manitoba.
¹ G. P. Phillips.....	Kenora, Ont.....	"
J. T. Mathews.....	Edmonton, Alta.....	Saskatchewan, Alberta et T. N.-O.
A. E. Hopper.....	Vancouver, C.-B.....	Colombie-Britannique.
H. G. Robinson.....	"	"
W. J. Cullum.....	Victoria, C.-B.....	"
B. Mantrop.....	"	"
A. Farrow.....	Prince-Rupert, C.-B.....	Prince-Rupert et Yukon.

INSPECTEURS DES PALANS.

D. J. Murray.....	Halifax, N.-E.
J. M. Martin.....	St-Jean, N.-B.
² E. D. Ring.....	"
A. Duval.....	Montréal, P.Q.

¹Décédé.²Nommé temporairement en remplacement de J. N. Martin en service actif aux armées.

TABLEAU indiquant le nombre des inspections qui ont été faites, les droits perçus, etc., durant l'année terminée le 31 mars 1918.

DIVISIONS.	Nombre d'inspections faites et tonnage brut des navires inspectés.		Nombre des navires non inspectés, et leur tonnage brut.		Nombre total des navires soumis à l'inspection lorsque en service et leur tonnage brut.		Nombre des navires ajoutés à la flotte de l'année, et leur tonnage brut.		Nombre des navires perdus, démolis ou débris, et leur tonnage brut.		Montants des droits perçus par les inspecteurs.			
	Nom- bre.	Tonnage brut.	Nom- bre.	Tonnage brut.	Nom- bre.	Tonnage brut.	Nom- bre.	Tonnage brut.	Nom- bre.	Tonnage brut.	Pour inspections.		Pour examens des mécanismes.	
											\$	c.	\$	c.
Halifax.....	154	54,507	18	4,270	199	80,137	7	2,930	33	23,834	703 30	195 00		
St. John.....	113	27,232	70	20,565	291	70,691	1	195	3	550	531 20	72 00		
Québec.....	115	26,647	25	9,702	111	36,697	6	4,250	1	39		53 00		
Sorel.....	112	48,863	15	4,388	127	51,251	4	671	4	231		75 00		
Montréal.....	178	39,732	77	9,386	256	50,875	6	3,464	8	1,915	69 75	200 00		
Kingston.....	106	39,473	40	11,454	150	51,295	2	2,178	1	33		60 00		
Toronto.....	337	244,553	164	20,950	561	301,296	20	16,757	6	3,759	138 40	128 00		
Collingwood.....	78	124,245	9	1,722	88	127,796	3	3,089	3	1,057				
Port-Arthur.....	97	27,312	84	7,666	176	37,186	6	5,169	3	706	45 68	15 00		
Konora.....														
Edmonton.....	24	3,619	16	1,249	40	4,867	1	15	1	132		9 00		
Vancouver.....	215	86,538	30	37,079	241	91,205	8	51,713	4	305		241 00		
Victoria.....	115	57,895	24	3,688	159	45,211	6	5,919	3	160	242 00	187 00		
Prince-Rupert.....	36	10,392	8	9,149	36	19,011	3	1,128				20 00		
Totaux.....	1,680	787,048	569	92,496	2,384	1,018,546	73	47,474	70	32,741	1,630 23	1,225 00		

SESSIONAL PAPER No. 23

TABLE I.—Showing steamers inspected throughout Canada during the year ended March 31, 1918.

Names of vessels driven by gasoline are printed in italics. Inspectors' Initials—(1) Boilers and Machinery; (2) Hulls and Equipment. Tonnage—Gross; registered.

TABLEAU I.—Indiquant les vapeurs inspectés au Canada, durant l'année finissant le 31 mars 1918.

Les noms des navires à propulsion par moteurs à gazoline sont imprimés en italiques. Initiales des inspecteurs—(1) Chaudières et machines; (2) Coques et équipement. Tonnage brut; enregistré.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate Issued—Expires. Certificat: Délivrance—Expiration	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
A. B. Conine—Port Arthur, Ont.	116385	Wood Rebuilt 1916-17	Tug.	Port Arthur, Ont. 28-6-17	W. J. V.	Not issued	Screw 31	Lake Superior	Canadian Towing & Wrecking Co., Port Arthur, Ont.
A. E. Ames—114449 Newcastle, G.B.	1637 1,020	1903 Steel Howden-on-Tyne, G.B.	Frt.	Port William, Ont. 19-4-17 19-11-17	W. J. V. W. J. V.	28-5-17 19-4-18	Screw 147	Farther Point and Duluth.	Wm. Paterson, Newcastle-on-Tyne.
A. F. Bowman—116385 Port Arthur, Ont.	113 77	1906 Wood Collingwood, Ont.	Tug.	Port Colborne, Ont. 8-8-18	J. R. S.	25-8-17 7-8-18	Screw 52-8	Lake Ontario Ports	Can. Towing & Wrecking Co., Port Arthur, Ont.
A. M. Petrie—100393 Hamilton, Ont.	19 13	1892 Wood Hamilton, Ont.	Fishing tug.	Rosport, Ont. 15-8-17	W. J. V.	Not issued	Screw 1-12	Jackfish and Nipigon Straits.	A. Sutherland, Rosport, Ont.
A. R. Colborn—106071 Port Huron, Mich.	251 154	1882 Wood Saugatauck, Mich.	Pass. Ferry	St. Clair, Mich. 17-6-17 17-7-17	J. D. W. E.	17-7-17 15-6-18	Screw 40-7	St. Clair and Courtright	Douglas Transportation Co., St. Clair, Mich.
A. V. Crawford—9687 Port Stanley, Ont.	51 35	1891 Wood Goderich, Ont.	Tug.	Toronto, Ont. 21-10-17	J. B. S.	25-10-17 24-10-18	Screw 20-9	Toronto harbour and vicinity.	Mrs. Ella B. Boone, Toronto Ont.
A. Laflamme—18394 Ottawa.	20 12	1914 Wood Calumet, P. Q.	Ferry	Calumet, P. Q. 21-8-17 11-7-17	J. T. G. P. D.	Not issued	Screw 1	Calumet and L'Orignal.	L. Cote, Calumet, P. Q.
A. McVittie—Montreal, P. Q.	1,458 915	1890 Wood Detroit, Mich.	Freight.	Quebec, P. Q. 26-4-17 21-3-17	J. A. S. P. D.	26-4-17 26-4-18	Screw 109	Lake Erie and Quebec	W. L. McDougall, Montreal, P. Q.
A. Tremblay—138262 Quebec, P. Q.	245 147	1916 Wood Matane, P. Q.	Freight.	Quebec, P. Q. 11-4-17 13-1-17	J. A. S. P. D.	14-4-17 11-4-18	Screw & sail 24	Montreal and St. Johns, Nfld.	Ulric Tremblay et Frères, Matane, P. Q.
Aberdeen—91924 Pictou, Ont.	147 87	1891 Wood	Freight.	Sorel, P. Q. 21-5-17	F. N. H.	22-5-17 21-5-18	Screw 30	Montreal harbour and canal.	Ontario and Quebec Nav. Co., Pictou
Aberdeen—100659 Kingston, Ont.	13 9	1891 Wood Westport, Ont.	Fishing boat.	Deseronto, Ont. 29-5-17	T. P. T.	31-5-17 29-5-18	Screw 1-2	Bay of Quinte	Thos. McWain, Deseronto.

* Not issued signifie que le certificat n'a pas été délivré.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms des officiers—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Alexander. 106554 Montreal	56 55	1895 Steel Sorel, P. Q.	Tug. Tug.	Montreal, P. Q. 19-4-17	J. T. G.	24-9-17 19-9-18	Screw 42-6	Montreal, harbour Montreal P. Q.	Hbr. Commrs., Montreal Montreal P. Q.
Alexander. 102-27 Ottawa, Ont.	674 266	1894 Steel Paisley, G. B.	Govt. services. Tug.	St. John, N. B. 12-9-17	W. R. B.	16-10-17 13-2-18	Screw 175	Coasting Lake Abitibi.	Minister of Marine and Fisheries, Ottawa. Abitibi Power & Paper Co.
Alexander. 112239 Halifax, N. S.	707 413	1917 Wood Low Bush, Ont. 1904 Wood St. John, N. B., 1917, Rebuilt Dartmouth, N. S.	Freight. Tug.	Halifax, N. S. 23-11-17 23-11-17	J. F. S. N. A. C. A. McO.	Not issued. 23-11-17 23-11-18	Paddle 6-6 Screw 60-6	Halifax and Foreign Halifax, N. S.	Chas. and Geo. Bristor, Halifax, N. S.
Achates. 126078 Vancouver, B. C.	209 142	1908 Wood Vancouver, B. C.	Tug.	Vancouver, B. C. 11-3-18	A. E. H.	12-3-18 8-2-19	Screw 42-1	Vancouver and Straits of Georgia.	Achates Tow Boat Co., Ltd. Vancouver.
Ada Alice. 75642 Toronto, Ont.	60 41	1879 Wood St. Catharines, Ont.	Tug.	Gravenhurst, Ont. 30-5-17	J. T. G.	23-6-17 23-6-18	Screw 3-3	Muskoka lakes	Capt. I. R. Fraser.
Adaline V. 134198 Sault Ste. Marie.	45 27	1913 Wood Spanish, Ont.	Tug.	Cutler, Ont. 1-9-17	G. M. A.	4-9-17 1-9-18	Screw 14	North channel	J. W. Vance, Spanish, Ont.
Admiral. 72247 St. John, N. B.	158 93	1876 Wood 1897 Rebuilt at St. John, N. B.	Tug.	St. John, N. B. 29-3-17	C. E. D.	Not issued.	Paddle 43-8	Inside Musquash Head and Cape Spencer.	D. D. Glines & Son, St. John, N. B.
Admiral Schley. 107423 Portland, Me	2,104 1,326	1898 Steel Philadelphia, Pa.	Freight and pass 164	Seattle, Wash. 15-11-17 15-11-17	W. J. C. W. J. C.	15-11-17 5-9-18	Twin screw	U. S. Canadian and Foreign Ports.	Pacific Alaska S. S. Co., Seattle, U. S. A.
Admiral Watson. 81788 Portland, Me.	2,010 1,256	1902 Steel Toledo, Ohio.	Freight and pass 285	Seattle, Wash. 9-11-17 9-11-17	B. M. B. M.	10-11-17 3-2-18	Scr.	Seattle, Victoria and San Francisco.	Alaska Pacific S. S. Co., Seattle, U. S. A.
Alphonse V. Roy. 133823 Montreal, P. Q.	173 83	1913 Wood Sorel, P. Q.	Tug.	Sorel, P. Q. 20-1-17	F. X. H.	8-5-17 20-1-18	Tw. screw 56-2	Montreal, Quebec and Richelieu river.	The Sincennes McNaughton Line, Ltd., Montreal.
Alvanco. 88632 Montreal, P. Q.	1,031 358	1884 Wood St. Catharines, Ont.	Freight.	Kingston, Ont. 16-4-17 30-4-17	T. P. T. M. R. D.	28-1-17 16-4-18	Screw 709	Ft. William and Father Point.	Montreal Transportation Co. Ltd., Montreal, P. Q.
Agawa. 111807 Sault Ste. Marie, Ont.	3,739 2,467	1902 Steel Collingwood, Ont.	Freight.	Midland, Ont. 14-4-17 26-4-17	G. M. A. S. D. A.	5-5-17 26-4-18	Screw 151-5	All lakes and rivers	Algoma Central and Hudson Bay Ry. Co., Sault Ste. Marie, Ont.

SESSIONAL PAPER No. 23

Agnes. 107362 Toronto, Ont..	14 8	1898 Wood Toronto, Ont.	Tug.....	Mattagami Heights, Ont. 26-7-17 24-8-17	J. E. L. M. R. D.	24-8-17 20-7-18	Screw..... 2	Mattagami river.....	Alex. L. Casselman, Mata- gami Heights, Ont.
Agnes W. Dods. 134660 Victoria, B.C.	12 8	1914 Wood. Victoria, B.C.	Passenger..... 30	Sidney, B.C. 15-2-18 15-2-18	W. J. C. W. J. C.	16-2-18 31-3-18	Ser.....	Sidney and James Isd	W. A. Dods, Victoria, B.C.
Ahmie. 103672 Toronto, Ont..	77 52	1896 Composite. 1903 Rebuilt.Graven- hurst, Ont.	Pass..... 40	Gravenhurst, Ont. 24-4-17 24-8-17	J. D. A. S. D. A.	14-7-17 24-4-18	Screw..... 10-6	Muskoka lakes.....	Muskoka Lakes Nav. and Hotel Co., Ltd., Toronto.
Aid. 138062 Ottawa, Ont.	45 26	1915 Wood. Rockland, Ont.	Tug.....	Rockland, Ont. 22-8-17	J. T. G.	Not issued	Strn. wheel..... 6-6	Ottawa river at Rock- land, Ont.	W. C. Edwards & Co. Rockland, Ont.
Ajax. 111635 Lindsay, Ont.	33 23	1902 Wood. Bobbycon, Ont.	Tug.....	Peterboro, Ont. 14-8-17	T. P. T.	10-8-17 10-7-18	Screw..... 4	Trent Canal.....	J. E. A. Fitzgerald, Peter- boro, Ont.
Alakasia. 138297 Vancouver, B.C.	24 17	1916 Wood. Redcliff Id., B.C.	Fishing boat.	Vancouver, B.C. 16-8-17	A. E. H.	27-8-17 15-8-18	Screw..... 5-2	Inside Pender harbour, Vancouver.	O. Olmstead, Vancouver, B.C.
Alarrn. 103484 Victoria, B.C.	34 23	1893 Wood. Georgetown, B.C.	Tug.....	Vancouver, B.C. 20-4-17	A. E. H.	23-4-17 19-4-18	Ser..... 4-1	Copper Inlet San Juan Bay.	The Davis Logging and Trading Co., Vancouver.
Alaska. 122229 Montreal, P.Q.	243 114	1906 Steed. Sorel, P.Q.	Patrol boat.	Quebec, P.Q. 18-4-17	J. A. S.	30-4-17 18-4-18	Screw..... 80	Quebec and St. Laurent Orleans Isd.	The Sincennes McNaughton Lane, Montreal, P.Q.
Alaskan. 130445 Vancouver, B.C.	150 48	1886 Wood. Onetta, Ore...	Salvageship	Esquimalt, B.C. 30-7-17	B. M.	31-7-17 29-7-18	Screw..... 13-6	Coasting, B.C.	A. M. Tyson, Vancouver B.C.
Alberta. 85765 Montreal.	2,829 2,377	1883 Steed. Whitclaire, G. B. 1911 Rebuilt. Collingwood, Ont.	Prt. and Pass. 40	Collingwood, Ont. 25-4-17 11-5-17	G. M. A. S. D. A.	19-5-17 11-5-18	Screw..... 166-5	Port McNicoll and Port William.	Can. Pac. Ry. Co., Ltd. Montreal.
Alberta. 122177 Port Arthur, Ont..	7 5	1907 Wood. Rossport, Ont.	Fishing tug.	Rossport, Ont. 14-8-17	W. J. V.	Not issued.	Screw..... 1-2	Jackfish and Nipigon straits.	Charles Gerow, Rossport, Ont.
Alecco. 122650 New Westminster	70 47	1905 Wood. Ballard, Wash.	Fisheries. Protection Cruiser	New Westminster, B.C. 13-6-17	A. E. H.	Not issued.	Screw..... 16-6	Nanaimo and Straits of Georgia.	Minister of Marine & Fish- eries, Ottawa.
Alert. 86871 Sydney, N.S.	105 63	1880 Wood. South Bristol, U.S.A.	Tug.....	Sydney, N.S. 1-5-17	D. J. M.	16-5-17 1-5-18	Screw..... 11-2	Coasting.....	Norman McDonald, Sydney, N.S.
Alert. 90699 St. Catharines, Ont.	47 35	1886 Wood. Port Robinson, Ont.	Tug.....	Port Colborne, Ont. 21-8-17	J. B. S.	4-9-17 21-8-18	Screw..... 20-9	Welland canal and Lake Erie.	Welland Canal Tug Co., Port Colborne.
Alert. 92421 Prescott, Ont.	50 35	1886 Wood. Morrissburg, Ont.	Tug.....	Cornwall, Ont. 11-9-17	T. P. T.	17-9-17 17-8-18	Screw..... 9	St. Lawrence canals.....	Minister of Railways and Canals, Ottawa.
Alert. 116862 Ottawa.	53 26	1904 Steed. Timiskaming, Ont.	Tug.....	Timiskaming, Ont. 24-5-17	J. E. L.	31-5-17 24-5-18	Screw..... 10-6	Lake Timiskaming.....	Upper Ottawa Improve- ment Co., Ottawa.
Alert. 94807 Victoria, B.C.	44 26	1889 Wood. Victoria, B.C.	Tug.....	Nanaimo, B.C. 8-3-18	B. M.	9-3-18 8-3-19	Screw..... 11-2	Nanaimo harbour.....	Western Transportation Co., Ltd., Nanaimo, B.C.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Alceda. 107748 Kingston, Ont.	171 90	1901 Wood. Kingston, Ont.	Pass. 350	Hamilton, Ont. 13-6-17 Port Dalhousie. 23-5-17	J. B. S. W. E.	14-6-17 23-5-18	Screw. 25	Hamilton, Grimsby and Oakville.	Ontario and Quebec Nav. Co., Picton.
Alex. Clark. 122559 Collingwood, Ont.	99 65	1911 Wood. Collingwood, Ont.	Tug. 173	Toronto, Ont. 30-5-17	J. B. S.	31-5-17 30-5-18	Screw. 29	North shore Lake Ontario to Belleville.	Alex. Longwell, Collingwood, Ont.
Alexander Fraser. 90898 Ottawa, Ont.	320 174	1891 Composite. Pembroke, Ont.	Tug. 396	Qayon, P. Q. 22-5-17	J. E. L.	31-5-17 22-5-18	Paddle. 21-6	Lake Desclémes.	Upper Ottawa Improvement Co., Ottawa.
Alexandra. 100598 North Sydney, N.S.	34 23 1900	1899 Wood. Sorel, P. Q. Sheet Harbour, N.S.	Tug. 173	Sydney, N.S. 7-8-1	D. J. M.	20-8-17 7-8-18	Screw. 12-3	Sydney Harbour.	W. K. McDonald, Sydney, N.S.
Alexandra. 112153 Chatham, N.B.	201 135	1902 Wood. Chatham, N.B.	Pass. 173	Chatham, N.B. 21-7-17	C. E. D. W. R. B.	4-8-17 24-7-18	Screw. 38-5	Newswells and Escoumamec.	Miramichi Steam Nav. Co., Miramichi, N.B.
Alfreda. Ottawa.		1904 Steel. Hull, G. B.	Militia Transport Service.	Halifax, N.S. 19-9-17	D. J. M.	28-9-17 19-9-18	Screw. 40	Halifax harbour.	Minister of Militia, Ottawa
Alfreda. 122578 Yarmouth, N.S.	15 10	1907 Wood. Tusket Wedge, N.S.	Tug. 163	Wedgport, N.S. 2-8-17	N. A. C.	7-8-17 2-8-18	Screw. 6	Coasting.	Lewis A. LeBlanc, Wedgport, N.S.
Algona. 111803 Sault Ste. Marie.	157 107	1901 Steel. Toronto, Ont.	Pass. 396	Sault Ste. Marie. 13-5-17 26-5-17	G. M. A. S. D. A.	18-5-17 28-5-18	Screw. 54	Sault Ste. Marie, Ont., Sault Ste. Marie, Mich.	International Transit Co., Ltd., Sault Ste. Marie, Ont.
Algona. 105927 Massena, N.Y.	62 63	1880 Wood. Buffalo, N.Y. rebuilt Buffalo, N.Y.	Pass. 163	Ogdensburg, U.S.A. 26-6-17 Morrisburg, Ont. 27-6-17	T. P. T. M. R. D.	29-6-17 5-6-18	Screw. 14-4	Ogdensburg and other ports.	W. W. Cline, Massena, N.Y.
Algonquin. 112076 Toronto, Ont.	305 200	1906 Wood. Portage Lake of Bays	Pass. 140	Huntsville, Ont. 4-6-17 29-6-17	J. T. G. S. D. A.	25-7-17 4-6-18	Screw. 32-6	Huntsville and vicinity.	Huntsville Lake of Bay and Lake Simcoe Nav. Co. Ltd., Huntsville.
Alice. 111862 Ottawa.	48 34	1901 Wood. Kipawa, Ont.	Pass. 25	Hunter's Point, Ont. 21-7-17 North River. 12-9-17	J. E. L. M. R. D.	20-9-17 23-7-18	Screw. 10-7	Lake Kipawa.	J. R. Booth, Ottawa.
Alice. 122260 Quebec.	402 233	1907 Steel. Toronto, Ont.	Freight. Pass.	Levis, P. Q. 20-10-17	J. A. S.	Not issued	Screw (twin). 54	Quebec and Grosse Isle, P. Q.	Minister of Agriculture, Ottawa.

SESSIONAL PAPER No. 23

Alice G. 10750	Collingwood.	36	1902 Wood. Collingwood, Ont.	Fishing Tug.	Collingwood, Ont. 21-11-17	G. M. A.	21-11-17 20-11-18	Screw. S-1	Georgian Bay.....	The Dominion Fish Winnipeg, Man.
Alice Matfos. 12292	Prince Albert.	138	1916 Wood. Big River, Sask.	Tow boat.	Big River, Sask. 10-9-17	J. T. M.	Not issued.	Paddle 4-2	Crooked Lake, Sask.....	The Ladder Lake Lunaber Co., Big River, Sask.
Alice R. 12630	St. John, N.B.	75	1909 Wood. Lezango, Queens Co., N.B.	Tug.	St. John, N.B. 30-7-17	C. E. D.	30-8-17 30-7-18	Screw. 10	Inside Misquash har- bour and Cape Spencer	Miss Alina F. Gregory, St John, N.B.
Alford. 13617	Victoria, B.C.	61	1898 Wood. Portland, Ore.	Tug.	Vancouver, B.C. 27-6-17	A. E. H.	28-6-17 21-6-18	Screw. 16	Vancouver and Straits of Georgia.	S. J. Holmes & H. Harris, Vancouver, B.C.
Alligator. (Not registered).		18	1911 Wood. Toronto, Ont. 1916 Grandes Piles, P.Q.	Tug.	Grandes Piles, P.Q. 9-30-8-17	F. N. H.	30-8-17 30-8-18	Twin Screw. 2-7	St. Maurice river.....	The St. Maurice Construc- tion Co., Ltd.
Alma. 112274	Montreal, P.Q.	33	1903 Wood. Sorel, P.Q.	Tug.	Sorel, P.Q. 11-5-17	F. N. H.	12-5-17 11-5-18	Screw. 3-3	Three Rivers Harbour.	Clas, Pate, Three Rivers, P.Q.
Alpa. 111495	Quebec, P.Q.	20	1900 Wood. St. Joseph de Sorel 1916 Orleans Isd.	Tug.	Quebec, P.Q. 8-5-17	J. A. S.	10-5-17 8-5-18	Screw. 11-2	Quebec harbour.	La Cie Sable Union Ltee, Quebec, P.Q.
Alpa. 100750	Quebec, P. Q.	42	1898 Wood. Cheverie, N.S.	Fishingboat	Liverpool, N.S. 27-4-17	N. A. C.	30-4-17 27-4-18	Screw. 16-6	Coastine.	Albert H. Peters, Quebec, P.Q.
Alphonse Racine. 116602	Montreal, P.Q.	121	1901 Steel. Sorel, P.Q.	Tug.	Montreal, P.Q. 29-4-17	J. T. G.	4-5-17 26-4-18	Screw. 42	Montreal harbour.....	Harbour-Comuns., Montreal, P.Q.
Alva. 11447	Ottawa, Ont.	27	1887 Wood. 1901 Rebuilt. Ottawa.	Tug.	Ottawa, Ont. 21-5-17	J. T. G.	Not issued.	Screw. 12	Ottawa River to Haw- kesbury.	Minister of Public Works, Ottawa.
Alva W. 116319	Amherstburg.	29	1908 Wood. Collingwood, Ont.	Fishing Tug	Kingsville. 15-8-17	J. D.	20-8-17 15-8-18	Screw. 10-6	Pigeon Bay L. Erie	
Amelia. 104069	Magdalen Islands.	357	1894 Steel. AYT, Scotland.	Pass and freight. 35	Halifax, N.S. 11-5-17	N. A. C. A. McD.	14-5-17 11-5-18	Screw. 70-1	Pictou and Magdalen Islands.	Magdalen Islands Steamship Co., Halifax, N.S.
Amelia Mac. 130271	Winnipeg, Man.	65	1910 Steel. Winnipeg, Man.	Tug.	Winnipeg, Man. 11-6-17	W. J. V.	30-6-17 16-6-18	Twin screw. 16	Red River.....	Arctic Ice Co., Winnipeg.
America. 100662	Kingston, Ont.	520	1895 Composite. Kingston.	Pass. 571	Kingston, Ont. 21-1-17	T. P. T. M. R. D.	27-6-17 11-1-18	Paddle. 200	Tronton and Prescott.	St. Lawrence River Steam- boat Co., Kingston, Ont.
America. Duluth.		681	1898 Steel. Wyanabette, Mich.	Passenger. 106	Port Arthur, Ont. 18-6-17	W. J. V. W. J. V.	18-6-17 5-5-18	Screw.	Port Arthur & Duluth Ill.	Booth Fish Co., Chicago, Ill.
Americana. 205696	Buffalo, N.Y.	1,009	1908 Steel. Buffalo, N.Y.	Pass. 3,560	Buffalo, N.Y. 25-5-17	J. B. S. W. E.	28-5-18 23-5-18	Screw. 138-8	Buffalo and Port Col- borne and Niagara River.	Lake Erie Excursion Co
Amherst. 78112	Charlottetown.	138	1877 Wood. Philadelphia.	Tug.	Pointe Notre 16-6-7	U. A. S.	30-6-17 16-6-18	Screw. 66	Coasting.....	Genl. Pulp & Paper Co.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Where and When Built—Material. Année et lieu de construction—Nature de l'écoque.	Trade—No. of Pass. Service—Nombre de pass.	Port and date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate—Expires. Certificat—Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms des adresses des propriétaires.
Amigo..... 12438 Sault Ste. Marie.	1907 Wood..... Walkerville, Ont.	Pass..... 15	Kazawong, Ont. 24-6-17	G. M. A. S. D. A.	16-7-17 21-6-18	Screw..... 5	Little Current, Cutler and vicinity.	Mrs. M. J. Simms, Mun-icowaning, Ont.
Amisk..... 12275 Winnipeg, Man.	1909 Wood..... Selkirk, Man.	F'ishg..... Tug.	Selkirk, Man. 21-5-17	W. J. V.....	7-6-17 21-5-18	Screw..... 2-7	Poplar Point and Warren Ldg.	Scandison Fish Co., Selkirk, Man.
Amur..... 9873 Vancouver, B.C.	1890 Steel..... Sunderland, G. B.	Freight and Pass..... 5	Seattle, Wash. 22-3-17	B. M..... B. M.	22-5-17 21-5-18	Screw..... 150	Vancouver, Puget Sound Ports and Skagway.	Constwise Steam ship and Barge Co., Ltd., Vancouver.
Amv..... 11916 Toronto, Ont.	1901 Wood..... Cornwall, Ont.	Tug.....	Rimouski, P. Q. 26-8-17	J. A. S.....	4-9-17 26-8-18	Screw..... 11	Rimouski harbour.....	W. J. Pomroy Co., Ltd., Montreal, P. Q.
Andrew J. Smith..... 117031 Sault Ste. Marie, Ont.	1893 Wood..... Manitowac, Wis.	Tug.....	Sault Ste. Marie, Ont. 27-8-17	G. M. A.....	Not issued.	Screw..... 52-8	Georgian Bay.....	Algona Dredging Co., Ltd., Sault Ste. Marie, Ont.
Andrew Kelly..... 134745 Grimsby, G. B.	1912 Steel..... Selby, G. B.	Fishing boat.	Prince Rupert, B. C. 9-5-17 2nd Inspection	A. E. H. A. E. H. A. F.	Not issued.	Screw..... 58	Prince Rupert and Coastwise.	Atlin Constructi on Co., Victoria, B. C.
Anko..... 126645 Port Dover, Ont.	1914 Wood..... Rehault Port Dover, Ont.	Fishing boat.	Port Dover, Ont. 30-1-18	J. B. S.....	30-7-17 27-7-18	Screw..... 4-8	Lake Erie.....	Harry W. Ainsley, Port Dover, Ont.
Annes..... 126790 New Westminster, B. C.	1910 Wood..... New Westminster, B. C.	Tug.....	Vancouver, B. C. 25-1-18	H. G. R.....	28-1-18 4-1-19	Screw..... 16	Vancouver and Straits of Georgia.	J. W. Pike, New Westminster, B. C.
Annie..... 100222 Halifax, N. S.	1892 Wood..... Dartmouth, N. S.	Water boat.	Halifax, N. S. 27-8-17	N. A. C.....	28-8-17 27-8-18	Screw..... 19-5	Halifax harbour.....	Judge Bros., Halifax, N. S.
Annie M..... 107165 Collingwood, Ont.	1905 Wood..... Rehault, Collingwood.	Fishing tug.	Collingwood, Ont. 17-8-17	G. M. A.....	Not issued.	Screw..... 8-1	Georgian bay.....	Mrs. M. A. Clark and W. A. Clark, Collingwood, Ont.
Annie Myles..... 96851 Sarnia, Ont.	1865 Wood..... East Saginaw, Mich.	Tug.....	Port Huron, Ont. 17-9-17	J. D.....	22-9-17 19-3-18	Screw..... 23-6	Sarnia to Amherstburg.	Blind River Towing Co., Blind River, Ont.
Anoka..... 130712 Kenora, Ont.	1912 Wood..... Kenora, Ont.	Tug.....	Kenewatin, Ont. 14-5-17	W. J. V.....	28-5-17 14-3-18	Screw..... 16-6	Lake of the Woods.....	Keewatin Lumber Co., Keewatin, Ont.
Arthenis..... 126487 Montreal, P. Q.	1909 Wood..... Magog, P. Q.	Pass..... 250	Magog, P. Q. 21-6-17	J. E. L. P. D.	21-6-17 21-6-18	Screw..... 16-7	Magog to Newport.....	E. G. Penney, Montreal.
Articosti L. I..... 122039 Liverpool, N. S.	1907 Wood..... Liverpool, N. S.	F'ishg tug.	Halifax, N. S. 20-10-17	D. J. M.....	20-10-17 20-10-18	Screw..... 8-2	Coasting.....	Rossmu. Neville, Halifax, N. S.

SESSIONAL PAPER No. 23

Aquila 130842 Vancouver, B.C.	176 1901 Wood 104 South Boston, Mass.	Yacht.....	Vancouver, B.C. 13-3-18	H. G. R.....	14-3-18 12-3-19	Screw..... 37	Coasting.....	B. T. Rogers, Vancouver.
Arabian 100394 Hamilton, Ont.	1 073 1892 Steel 770 Hamilton, Ont.	Freight.....	Port William, Ont. 4-5-17 1-5-17	W. J. V. W. J. V.	5-5-17 4-5-18	Screw..... 68-3	Duluth and Farther Pt Ont.	Lako Commerce Ltd., Toronto, Ont.
Arammore 98579 Ottawa.	1 170 1890 Iron 500 Dundee, C.B.	Freight.....	Halifax, N.S. 11-1-17 5-3-18	N. A. C. A. McD.	5-3-18 11-1-18	Screw..... 186	Halifax and St. Johns, Nfld.	Minister of Marine and Fisheries, Ottawa.
Arbutus 92642 Port Arthur, Ont.	49 1887 Wood 33 Wallaceburg, Ont.	Tug.....	Port Arthur, Ont. 8-5-17	W. J. V.....	31-5-17 8-5-18	Screw..... 17	Port Arthur and Ross- port.	Central Contracting Co., Port William, Ont.
Arcadia 85555, Pictou, N.S.	62 1884 Wood 42 Yarmouth, N.S. 1909 Rel built, Pictou, N.S.	Pass..... 49	Mulgrave, N.S. 22-5-17 7-5-17	D. J. M. A. McD.	16-5-17 11-5-18	Screw..... 13-5	Mulgrave to Pt. Haw- kesbury.	P. J. Walker, Port Hawkes- bury, N.S.
Archibald 117196 Kenora, Ont.	20 1904 Composite. 14 Gold Rock, Ont. 1917 Sawridge, Alta	Tug.....	Sawridge, Alta. 15-5-17	J. T. M.....	17-5-17 15-5-18	Screw..... 2	Sawridge, Lesser Slave Lake.	Northwest Lumber Co., Edmonton, Alta.
Archie Stewart 97618 Ottawa.	80 1890 Wood. 50 Ottawa.	Tug.....	Ottawa. 27-1-17	J. T. G.....	Not issued.	Screw..... 11-6	Ottawa river at Ste- Anne.	Dept. Public Works.
Archie W 134551 Port Burwell, Ont	26 1914 Wood 25 Port Burwell, Ont.	Fishing boat.	Port Dover, Ont. 26-7-17	J. B. S.....	26-7-18	Screw..... 4-8	Lako Erie.....	Geo. A. Van Order, Port Burwell, Ont.
Argenteuil Not complete.	175 1917 Steel. 65 Sorel, P.Q.	Buoy and Light Service	Sorel, P.Q. 30-9-17	F. N. H.....	Not issued.	Screw..... 16-6	Ottawa & St. Lawrence river.	Public Works Dept., Ottawa
Argus 85489 Halifax, N.S	26 1884 Wood. 18 Lockport, N.S.	Tug.....	Pictou, N.S. 7-5-17	N. A. C.....	9-5-17 7-5-18	Screw..... 13-5	Pictou, harbour.....	Pictou County Contractor Supply Co.
Argyle 96859 Sarnia, Ont	41 1891 Wood 28 Buffalo, N.Y. 1903 Sarnia, Ont	Tug.....	Toronto, Ont. 28-7-17	J. D.....	Not issued.	Screw..... 10-8	Lake Ontario.....	Canada Cons. and Dredg. Co., Toronto, Ont.
Argyle 107220 Kenora, Ont.	97 1900 Wood 56 Kenora, Ont.	Pass. Ferry. 153	Kenora, Ont. 14-5-17	W. J. V. W. J. V.	Not issued.	Screw..... 10-7	Kenora and Keewatin, Ont.	James Fraser, Keewatin, Ont.
Arieia 134021 Victoria, B.C.	13 1912 Wood 9 Kelowna, B.C.	Pass. Ferry. 10	Kelowna, B.C. 5-5-17	W. J. C. W. J. C.	31-5-17 4-5-18	Screw..... 2-7	Kelowna and West bank B.C.	L. A. Hayman, Kelowna, B.C.
Ariel 106032 Detroit, Mich.	202 1881, 1913 Wood 120 Detroit, Mich.	Pass. Ferry.	Detroit, Mich. 4-10-17 13-10-17	J. D. W. E.	18-10-17 10-8-18	Screw..... 26-7	Detroit and Walkerville Ferry Co., Detroit.	Detroit and Walkerville Ferry Co., Detroit.
Armoro 125537 Vancouver, B.C.	46 1907 Wood 32 Vancouver, B.C.	Tug.....	Vancouver, B.C. 16-3-18	A. E. H.....	27-3-18 15-3-19	Screw..... 10-3	Vancouver and Straits of Georgia.	Armstrong and Morrison, Ltd., Vancouver, B.C.
Armour 121850 Toronto, Ont.....	191 1905 Composite. 1151 Barles Falls.	Pass..... 50	Barles Falls, Ont. 19-7-17 1-8-17	J. T. G. S. D. A.	6-7-17 5-8-18	Screw..... 16-8	Magnatawan river.....	A. A. Azar, Birks Falls, Ont.
Arthur 102387 Quebec, P.Q.	15 1895 Wood 17	Pass Tug	Roberval, P.Q. 19-5-17	J. A. S.....	Not issued.	Screw..... 8	Roberval and St. Methuene.	Edouard Raymond Trudel, St. Methuene, P.Q.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Anciété et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. ou H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Arthur C. Lindsay. 100282 Lindsay.	105 71	1891 Wood. Lakefield, Ont.	Tug.	Lindsay, Ont. 20-8-17	T. P. T.	Not issued.	Screw. 4-8	Kawartha lakes.	John Carow, Lindsay, Ont.
Arthur J. Kenora. 134317 Kenora.	24 16	1914 Wood. The Pas, Man.	Fish Tug	The Pas, Man. 28-9-17	W. J. V.	28-9-17 28-9-18	Screw. 1-6	Saskatchewan river.	Barney Anderson, Kenora, Man.
Aspy. 122588 Yarmouth, N.S.	215 99	1910 Wood. Shelburne, N.S.	Pass. 115	Sydney, N.S. 3-5-17	D. J. M. A. McD.	16-5-17 3-5-18	Screw. 41-6	Coasting.	North Shore Steamship Co., Sydney, N.S.
Assiniboia. 125984 Montreal, P.Q.	3,880 2,486	1907 Steel. Govan, G.B.	Pass. 101	Port McNicoll, Ont. 20-4-17 11-5-17	G. M. A. S. D. A.	22-6-17 11-5-18	Screw. 208-6	Port McNicoll and Port William.	Can. Pacific Railway Co., Montreal, P.Q.
Athabasca. 85764 Montreal, P.Q.	2,781 2,349	1883 Steel. Kilvingham, G.B.	Freight pass. 42	Port McNicoll, Ont. 20-4-17	G. M. A.	22-5-17 17-5-18	Screw. 166	Port McNicoll and Port William.	Can. Pacific Railway Co., Montreal, P.Q.
Athabasca River. 130277 Winnipeg.	341 231	1912 Wood. Collingwood, Ont. Athabasca, Alta.	Freight pass. 40	Peace River, Alta. 1-6-17 1-6-17	I. T. M. I. T. M.	2-6-17 1-6-16	Sta. poll.	Vernifolia Charles Hudsons Hope.	Hudson's Bay Co., London, England.
Atlantic. 131053 Port Arthur.	2,001 1,292	1895 Steel. West Superior, Wis.	Freight.	Film, Ont. 16-4-17	G. V. A. S. D. A.	23-1-17 20-4-18	Screw. 145	All lakes and rivers.	Canadian Northwest Steamship Co., Port Arthur, Ont.
Aurélien G. 133834 Montreal, P.Q.	98 67	1906 Wood. Shelburne, N.S.	Fishing tug.	Halifax, N.S. 13-10-16	G. P. P. D. J. M.	28-1-17 18-4-18	Screw. 16-7	Coasting.	Mrs. Rosanna Neville, Halifax, N.S.
Lacour Marie. 138541 Quebec, P.Q.	137 9	1912 Steel. Greenock, G.B.	Tug.	Sorel, P.Q. 18-1-17	F. X. H.	24-4-17 8-4-18	Screw. 51	Montreal harbour.	Steeves MacNaughton Line, Ltd., Montreal.
Auloyens. 103156 Vancouver.	19 11	1917 Wood. St. Fulgence, P.Q.	Pass. 40.	Chartrand, P.Q. 21-5-17 23-5-17	J. A. S. P. D.	20-7-17 21-5-18	Screw. 2-5	Chartrand and St. Fulgence.	St. Alf. Girard, St. Fulgence, P.Q.
Aviso. 134136 Montreal, P.Q.	25 17	1895 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 23-4-17	H. G. R.	24-1-17 8-4-18	Screw. 9	Vancouver harbour, B.C.	The Hastings Shingle Mfg. Co., Vancouver, B.C.
Avonlea. 133928 Chatham, N.B.	52 203	1911 Steel. Sorel, P.Q.	Tug.	Quebec, P.Q. 4-7-17	J. A. S.	31-7-17 3-7-18	Screw. 13-5	Quebec harbour.	Quebec Harbour Commissioners, Quebec.
Avalanche II. 122347 Toronto, Ont.	47 24	1913 Wood. Chatham, N.B.	Pass. 40	Mira, N.S. 13-8-17	D. J. M.	20-8-17 13-8-18	Screw. 8-1	Mira river.	Phillips and Nichol, Mira, N.S.
Aylmer. (Not registered).	50 41	1908 Wood. Gravenhurst, Ont.	Supply boat.	Gravenhurst, Ont. 29-5-17	J. T. G.	23-6-17 29-5-18	Screw. 8-16	Muskoka Lakes.	Fred Mills, Beaumaris.
		1910 Wood & Steel. Toronto, Ont.	Tug.	Toronto, Ont. 20-8-17	J. B. S.	Not issued.	Tw. Screws. 2-4	Toronto Bay.	

SESSIONAL PAPER No. 23

Name	Address	Class	Capacity	Engine	Propeller	Owner	Not issued	Screw	Location	Company
Azarite 134217 Prince Rupert, B.C.	39 Wood 1912, 26 Tacoma, Wash., B.C.	Fri. & 22 pass.	16-3-18	A. P.	Not issued.	Screw	Anyox to Alice Arm Points in Portland Canal.	Anyox to Alice Arm Points in Portland Canal.	Anyox to Alice Arm Points in Portland Canal.	Granby Consolidated Mining, Smelting & Power Co., Vancouver, B. C.
B. C. P. 129082 Vancouver, B.C.	121 1908 Wood, 83 Vancouver, B.C.	Tug.	6-11-17	A. E. H.	8-8-17 5-8-18	Screw	Steveston and Queen Charlotte Sound.	Steveston and Queen Charlotte Sound.	Steveston and Queen Charlotte Sound.	Pickers Steamship Co., Ltd., Vancouver, B. C.
B. C. Roy 131032 Vancouver, B.C.	41 1912 Wood, 62 Port Guilford, B.C.	Tug.	23-5-17	H. G. R.	23-5-17 17-5-18	Screw	Vancouver and Straits of Georgia.	Vancouver and Straits of Georgia.	Vancouver and Straits of Georgia.	A. Marinovitch, Port Guilford, B.C.
B. C. Maid 134076 Vancouver.	80 1893 Wood, 26 Seattle, U.S.A.	Tug.	29-5-17	H. G. E.	29-5-17 28-5-18	Screw	Vancouver Harb. & Howe Sound.	Vancouver Harb. & Howe Sound.	Vancouver Harb. & Howe Sound.	S. H. Goldie et al Vancouver.
B. M. Fraser 107597 Toronto.	50 1900 Wood, 34 Owen Sound, Ont.	Tug.	24-4-17	G. E. D.	4-6-17 21-4-18	Screw	Coastline.	Coastline.	Coastline.	Roger Miller & Co., Shelburne, N.B.
B. and M. Leblanc 126805 Yarmouth, N.S.	33 1910 Wood, 12 Yarmouth, N.S.	Fishing.	2-8-17	N. A. C.	7-8-17 2-8-18	Screw	Tasket River.	Tasket River.	Tasket River.	Edmel M. Hines, Yarmouth, N.S.
Baleine 122916 St. Johns, Nfld.	418 1907 Steel, 154 Dunkirk, France.	Naval service.	8-8-17	N. A. C.	8-8-17 8-8-18	Screw	Coastline.	Coastline.	Coastline.	Lockport Cold Storage Co., Lockport, N.S.
Ballena (ex Jean) 100635 Vancouver, B.C.	869 1892 Wood, 571 Victoria, B.C.	Freight and 500 pass.	22-5-17	H. G. R.	23-5-17 30-9-18	Twin screw	Vancouver & Squamish Harb. Sound.	Vancouver & Squamish Harb. Sound.	Vancouver & Squamish Harb. Sound.	Terminal Steam Nav. Co., Ltd., Vancouver.
Barbara Young 134282 Victoria, B.C.	29 1914 Wood, 20 Cowichan lake, B.C.	Tug.	12-10-17	B. M.	15-10-17 11-10-18	Screw	Cowichan lake.	Cowichan lake.	Cowichan lake.	Elec. Towboat Co., Ltd., Victoria, B.C.
Barnet 122373 Vancouver, B.C.	12 1907 Wood, 8 Barnet, B.C.	Tug.	7-8-17	A. E. H.	9-8-17 7-8-18	Screw	Fraser river.	Fraser river.	Fraser river.	G. A. Ward, Barnet, B.C.
Balscan 131314 Liverpool.	4 835 1911 Steel, 2 659 Sunderland, G.B.	Freight.	3-1-17	W. B. B.	16-4-17 30-4-18	Screw	St. John and coasting.	St. John and coasting.	St. John and coasting.	E. F. & W. Roberts, Liverpool.
Bayfield 90949 Ottawa.	276 1880 Steel, 111 Glasgow, Scot.	Survey Steamer	31-10-17	F. N. H.	Not issued.	Twin screw	Great Lakes.	Great Lakes.	Great Lakes.	Minister, Naval Services, Ottawa.
Bear river 121807 Shelburne, N.S.	101 1905 Wood, 71 Shelburne, N.S.	Freight.	26-10-17	D. J. M.	26-10-17	Screw	Digby and St. John.	Digby and St. John.	Digby and St. John.	J. C. Woodworth, Bear river, N.S.
Beatrice 100194 Victoria, B.C.	77 1891 Wood, 37 Vancouver, B.C.	Tug.	20-3-18	B. M.	21-3-18 19-3-19	Screw	B.C. Coast.	B.C. Coast.	B.C. Coast.	J. J. Goodwin, Victoria, B.C.
Beatrice C 134546 Ottawa, Ont.	15 1915 Wood, 9 Sturgeon Falls, Ont.	Warp tug.	15-7-17	J. T. G.	Not issued.	Paddle	Lake Nipissing.	Lake Nipissing.	Lake Nipissing.	F. E. Clark, Sturgeon Falls, Ont.
Beatrice Osale 13871 Victoria, B.C.	1 596 1917 Wood, 1 248 Victoria, B.C.	Freight.	18-1-18	W. J. C.	21-1-18 11-1-19	Twin screw	Canadian and Foreign Ports.	Canadian and Foreign Ports.	Canadian and Foreign Ports.	W. J. Brown Co., Ltd., Vancouver, B.C.
Beatrice M 107167 Port Arthur.	36 1888 Wood, 25 Owen Sound, Ont.	Fishing tug	11-8-17	W. J. V.	Not issued.	Screw	Beakfish and Nipigon Straits.	Beakfish and Nipigon Straits.	Beakfish and Nipigon Straits.	John Bowman, Port Arthur, Ont.
Bemburnis 33176 Ottawa, Ont.	167 1815 Iron, 87 Collingwood, Montreal.	Freight and 231 pass.	23-1-17	J. E. L.	4-5-17 23-1-18	Paddle	Montreal and Harbours.	Montreal and Harbours.	Montreal and Harbours.	Bear Calve Guyon, Montreal, P.Q.
Beaver 83157 Belleville, Ont.	41 1902 Wood, 21 Belleville, Ont.	Tug.	8-3-17	J. T. G.	Not issued.	Screw	Montreal harbour.	Montreal harbour.	Montreal harbour.	Harbour Commissioners of Montreal.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Ancien et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate Issued—Expires. Certificat—Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Beaver 83416 Peterboro, Ont.	25 17	1908 Wood. Lakeland, Ont. 1911 Rebuilt. Peterboro, Ont.	Tug. 7-8-17	Lakeland, Ont. 7-8-17	T. P. T.	11-8-17 10-7-18	Screw 3-3	Trent Valley canal	Jerome Lajuanesso, Peterboro, Ont.
Beaver 100718 Windsor, N.S.	85 43	1897 Wood. Canning, N.S.	Pass. 13	Chatham, N.B. 11-8-17 25-6-17	C. E. D. W. R. B.	15-8-17 11-8-18	Screw 13-5	Carquet, Misou and Shippegan.	Gloucester Navigation Co., Carquet, N.B.
Beaver 117119 Vancouver, B.C.	20	1905 Wood. Vancouver, B.C.	Pass. 30	Vancouver, B.C. 16-6-17	A. E. H.	16-6-17 30-9-17	Screw 4	Vancouver and Howe sound.	A. N. Edwards, Vancouver.
Beaver 122567 Victoria, B.C.	38 26	1892 Wood. Ballard, Wash.	Tug. 17-12-17	Victoria, B.C. 17-12-17	W. J. C.	19-12-17 17-12-18	Screw 22-6	Coasting.	White & Bevis, Vancouver B.C.
Beaverton 125110 Newcastle, G.B.	2,012 1,357	1908 Steel. Hopton-on-Tyn G.B.	Freight.	Goderich, Ont. 11-4-17	J. D. W. E.	12-5-17 13-4-18	Screw 106	All lakes and rivers	Morebait S.S. Co., Ltd., Toronto, Ont.
Belle 85746 Quebec.	82 41	1883 Wood. 1905 Rebuilt. Quebec.	Tug. Quebec.	Quebec, P.Q. 24-4-17 29-6-17	J. A. S.	29-6-17 29-6-17	Screw 33-8	Quebec harbour	J. S. Thom, Quebec, P.Q.
Bellechasse 132935 Ottawa, Ont.	417 216	1913 Steel. Kingston, Ont. 1865 Montreal, P.Q. 1905 Composite. Kingston, Ont.	Govt. Ser. Freight.	Quebec, P.Q. 2-4-17 Toronto, Ont. 7-4-17 2-5-17	J. A. S. J. B. S. W. E. P. D. A. E. H.	Not issued 17-5-17 2-5-18	Screw 118 Paddle 61-6	Vancouver and Straits of Georgia. River St. Lawrence and lakes. Hamilton and Montreal	B. C. Mills Tug and Barge Co., Vancouver. Minister of Marine and Fisheries, Ottawa, Ont. Minister of Marine and Fisheries, Ottawa, Ont.
Berthier 135437 Sorel, P.Q.	34 25	1912 Wood. Hopitum, Wash.	Passengers. 18	Vancouver, B.C. 28-2-18	A. E. H.	31-7-17 27-2-18	Screw 4	Ocean Falls, Fisher & Burke Channels.	Pacific Mills, Ltd., Vancouver, B.C.
Bery L. Ottawa, not registered	75 34	1902 Wood. Port Moody, B.C. 1915 Victoria, B.C. 1916 Steel. Sorel, P.Q.	Tug. Patrol boat.	Victoria, B.C. 6-10-17 Sorel, P.Q. 12-5-17	B. M. P. X. H.	9-10-17 5-10-18	Screw 13-8 Twin screw 65	Coasting, B. C.	A. Berquist, Victoria, B.C. Minister of Marine and Fisheries, Ottawa.
Bessie Butler 122564 Peterborough, Ont.	77 52	1911 rebuilt. Walker's Point. 1907 Steel. Peterborough, Ont.	Govt Ser.	Chenoyon, Ont. 4-8-17	T. P. T.	29-1-18 28-8-18	Twin screw 12 Screw 13-5	Nitinak Lake, B.C. Trent Valley canal	Minister of Marine and Fisheries, Ottawa. Minister of Marine and Fisheries, Ottawa. Minister of Railways and Canals, Ottawa, Ont.

SESSIONAL PAPER No. 23

Name	Registration No.	Material	Builder	Capacity	Location	Owner	Issue Date	Expiry Date	Remarks
Bessie Dollar	4, 229	1905 Steel	Vancouver, B.C.	Freight and Passenger	H. G. R.	18-4-17	30-10-17	Screw	Vancouver and foreign Ports.
121272 Victoria, B.C.	2, 738	Port Glasgow, G.B.	18-4-17	7	W. J. V.	Not issued		Screw	Dollar Steamship Co., Victoria, B.C.
Bessie M.	44	1907 Wood	Port Coldwell, Ont.	Fishing tug	W. J. V.	Not issued		Screw	Peninsula and Jackfish, Coldwell, Ont.
117087 Collingwood, Ont.	30	Collingwood, Ont.	13-8-17		C. E. D.			Screw	Coasting
Betty D.	145	1898 Steel	Bauhurst, N.B.	Tug	W. J. V.	10-9-17	6-9-18	Screw	Bathurst, N.B.
131010 St. John, N.B.	98	Buffalo, N.Y.	6-9-17		W. J. V.	30-4-17	30-4-18	Screw	Montreal & Great Lakes Steamship Co., Ottawa, Ont.
Bickerdike.	1515	1873 Iron	Fort William, Ont.	Freight	W. J. V.	19-1-10		Screw	Father Point & Duluth, Ont.
121784 Ottawa, Ont.	861	Buffalo, N.Y.	30-4-17		B. M.	30-3-18	20-3-19	Screw	Coastwise
Black	102	1910 Steel	Victoria, B.C.	Whaler	B. M.	1-4-18	26-3-19	Screw	Coastwise
131537 Liverpool, G. B.	37	Christiana, Norway	27-3-18		I. B. S.	9-6-17	6-6-18	Paddle	Toronto bay
Blue.	102	1910 Steel	Victoria, B.C.	Whaler	B. M.	1-4-18	26-3-19	Screw	Coastwise
131537 Liverpool, G.B.	37	Christiana, Norway	27-3-18		I. B. S.	9-6-17	6-6-18	Paddle	Toronto bay
Blushell.	752	1906 Steel	Hankars Pt. Ont.	Pass.	W. F.	25-4-17		Twin screw	Bathurst, N.B.
121849 Toronto, Ont.	451	Toronto, Ont.	6-6-17	1, 350	D. J. M.	30-6-17	20-6-18	Screw	Minister of Railways and Canals, Ottawa.
Blue Hill	196	1887 Wood	Bathurst, N.S.	Pass.	A. M. D.	20-6-17	10-8-17	Screw	Trent Valley canal
97033 Halifax, N.S.	98	East Boston, U.S.A.	20-6-17	40	T. P. T.	10-8-17	10-7-18	Screw	Trent Valley canal
Bob Hall	27	1907 Wood	Robertson Isd.	Tug	J. A. S.	21-7-17	24-7-18	Paddle	New Richmond
122563 Peterboro, Ont.	19	Peterboro, Ont.	3-8-17		G. M. A.	17-7-17	23-6-18	Screw	Manitowaning & Cutler
Bogan.	28	1909 Wood	New Richmond, P.Q.	Tug	S. D. A.	23-6-17		Screw	Manitowaning & Cutler
103828 Paspébiac, P.Q.	18	New Richmond, P.Q.	21-7-17		A. F.	Not issued		Screw	Yukon river
Bon Ami.	245	1902 Wood	Little Current, Ont.	Pass.	J. E. L.	Not issued		Paddle	Lake Kippewa, Ont.
122436 Sault Ste. Marie.	142	Manitowac, Wis.	17-7-17	241	W. J. V.	29-10-17	8-10-18	Screw	Wabigoon Lake
Bonanza King.	466	1898 Wood	Whitehorse, Y.T.	Freight	W. J. C.	1-5-17	9-5-18	Stern wheel	Arrowhead and Robson
107551 Dawson, Y.T.	260	Dutch Harbour.	22-6-17		D. J. M.	21-1-17	17-4-18	Screw	Halifax Harbour
Bonnechero	13	1893 Wood	Red Pine Chute, P.Q.	Warp tug	N. A. C.	8-12-16	12-6-17	Screw	Boston and Yarmouth
109425 Ottawa, Ont.	6	Shroce, Ont.	29-8-17		F. X. H.	2-1		Screw	Grandlines and Badiscon
Bonnie Mac.	28	1912 Composite	Dryden, Ont.	Tug	F. X. H.	14-5-17	20-4-18	Paddle	Montreal and Boucherville
133418 Kenora, Ont.	1700	Dryden, Ont.	8-10-17		P. D.	43-2		Paddle	Montreal and Boucherville
Bonington	1, 790	1911 Steel	Nakusp, B.C.	Freight					
130555 Vancouver, B.C.	955	Nakusp, B.C.	10-5-17	345					
Boonton	115	1871 Wood	Halifax, N.S.	Tug					
131211 Sydney, N.S.	53	Philadelphia	17-1-17						
Boston	1, 691	1890 Steel	New York, N.Y.	Frt.					
98585 Yarmouth, N.S.	731	Glasgow, G.B.	H-6-17						
Bottrel.	18	1903 Wood	Sorel, P.Q.	Pleasure yacht.					
122224 Montreal, P.Q.	12	Three Rivers, P.Q.	9-5-16						
Boucherville.	418	1886 Composite	Sorel, P.Q.	Pass ferry.					
90546 Montreal, P.Q.	206	Sorel, P.Q.	3-5-17	400					

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and when built—Material. Ancien et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate—Expires. Certificat—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Bowman Ex-City of Nanaimo. 9095 Vancouver, B.C.	821 568	1891 Wood Vancouver, B.C.	Freight pass. 107	Vancouver, B.C. 27-1-17 25-3-17	H. G. R. H. G. R.	26-1-17 24-4-18	Twin screw 59-3	Vancouver and Howe sound.	Terminal Steam Nav. Co. Vancouver, B.C.
Brent 10758 Charlottetown, P. E. I.	42	1890 Wood Charlottetown, P. E. I.	Pass. service	Charlottetown, P. E. I. 18-4-17	C. E. D. W. R. B.	26-1-17 18-4-18	Screw 8-5	Coasting.	Dominion Government, Canada.
Britannia 111995 Vancouver, B.C.	326 222	1902 Wood Vancouver.	Freight pass. 10	Vancouver, B.C. 4-1-17	H. G. R. H. G. R.	17-1-17 3-1-18	Screw 32-9	Vancouver and Howe sound.	Terminal Steam Nav. Co., Vancouver.
Britannia 150590 Detroit, Mich.	701	1906 Steel, Wyandotte, Mich.	Pass. 2,500	Detroit, Mich. 6-6-17	J. D. W. E.	16-4-17 20-1-18	Screw 130-8	Detroit river.	Detroit and Windsor Ferry Co., Detroit, Mich.
Britannia 100188 Collingwood, Ont	28 228	1865 Iron, Sorel, P. Q.	Pass. freight.	Windsor, S. 6-16 Montreal, P. Q., 26-6-17. Cornwall 31-5-17	J. E. D. M. R. D.	26-6-17 26-6-18	Paddle 41	Montreal and Kingston	Montreal and Cornwall Nav. Co., Cornwall.
British Columbia 119063 Vancouver, B.C.	557 222	1903 Steel, Bowling, G. B.	Freight. 10 Pass.	Vancouver, B.C. 10-5-17	A. E. H. A. E. H.	Not issued.	Screw 81	Vancouver and Prince Rupert.	Coastwise Steamship & Ferre Co.
Brookville, 107421 Picton, Ont.	191 88	1898 Wood, Toronto, Ont.	Pass. 75	Kingston, Ont. 11-5-17 25-5-17	T. P. T. W. E.	1-6-17 11-5-18	Screw 13-5	Hamilton, Grimshaw & Oakville.	Ontario and Quebec Nav. Co., Picton, Ont.
Brown 131358 Liverpool, Eng.	102 37	1910 Steel, Christiana, Norway.	Whaler.	Victoria, B.C. 19-3-18	B. M.	28-3-18 18-3-19	Screw 45-6	Coasting.	Victoria Whaling Co., Tor- onto, Ont.
Brown Bros. 133742 Port Stanley, Ont.	61 43	1915 Composite, Port Stanley, Ont.	Fishing	Port Stanley, Ont. 12-9-17	J. B. S.	12-9-18 12-9-17	Screw 13-5	Lake Erie.	E. Brown & A. C. Colborne, Port Stanley, Ont.
Bruce Cann. 106715 Yarmouth, N. S.	48 25	1898 Wood, Lockport, N. S. 1912, Yarmouth, N. S.	Pass. 11	Yarmouth, N. S. 11-1-17 7-4-17	N. A. C. A. McD.	16-4-17 7-4-18	Screw 17	Yarmouth and Port Clyde.	Port H. Cann & Son, Yarmouth, N. S.
Bradot, 122253 Quebec, P. Q.	7 6	1903 Wood, Lac au Saumon	Tug.	Lac au Saumon 29-8-17	J. A. S.	Not issued.	Paddle 1-6	Lac au Saumon	G. J. Paradis, Lac au Saumon, P. Q.
Buena Vista 130325 Kingston, Ont.	141 73	1911 Wood, Kingston, Ont.	Freight.	Ottawa, Ont. 27-6-17	J. T. G.	28-6-17 27-6-18	Screw 13-5	Kingston & Ottawa.	J. Randall, Sealey Bay, Ont.
Burrard 117018 New Westminster, B. C.	56 38	1905 Wood, Vancouver, B. C.	Tug.	New Westminster, B. C., 3-8-17	A. E. H.	16-8-17 12-8-18	Screw 10	New Westminster & Strait of Georgia.	Monarch Towing and Trading Co., New Westminster, B. C.
Burwash, 126463 Ottawa.	45 28	1900 Wood, Kippawa.	Tug.	Kippawa, Ont. 25-7-17	J. E. L.	1-9-17 29-8-18	Paddle 9-6	Lake Kipawa.	McLellan Bros., Amprior, Ont.

SESSIONAL PAPER No. 23

Buster B. 133718	Vancouver, B.C.	Tug	Vancouver, B.C.	A. E. H.	18-1-18	Screw	Vancouver and Straits of Georgia	Christopher E. Keeling, Vancouver, B.C.
31	1912 Wood.		17-1-18		2-1-19			
49	1904 Wood.	Tug	Victoria, B.C.	B. M.	13-7-17	Screw	Coasting	A. Berquist, Sidney, B.C.
26	26 Sydney, B.C.		12-7-17		11-7-18			
1,539	1890 Wood.	Freight	Kingston, Ont.	T. P. T.	4-5-17	Screw	Erie & Quebec	F. E. Hall, Montreal.
359	Montt Clements, Mich.		21-4-17	M. R. D.	31-10-17			
29	1909 Wood.	Tug	Quebec, P.Q.	J. A. S.	27-4-17	Screw	Quebec harbour	C. A. Bernier, Lauzon, P.Q.
12	Lauzon, P.Q.		25-4-17		25-4-18			
24	1912 Wood.	Tug	New Westminster	A. E. H.	17-7-17	Screw	Fraser river	Canadian Fish Products, Ltd., London.
15	New Westminster.		13-7-17		12-7-18			
2,105	1909 Steel.	Freight	Louisburg, N.S.	N. A. C.	31-5-17	Paddle	Sydney and coastwise.	Canada Steamship Lines Montreal, P.Q.
1,590	Dumbarton, G.B.		12-4-16	A. MeD.	23-5-18			
272	1887 Composite.	Tug	Pembroke	J. E. L.	23-5-18	Screw	Pembroke and Des Jouxins.	Upper Ottawa Improvement Co., Ottawa.
172	Pembroke, Ont.		2-5-17		23-7-17			
40	1915 Wood.	Fish tug	Port Maitland, Ont.	I. B. S.	23-7-18	Screw	Lake Erie.	Chas. Crumb & J. F. Crawford, Port Maitland, Ont.
27	Stromness, Ont.		17-7-17		10-6			
76	1901 Wood.	Tug	Lake Aylmer, P.Q.	J. A. S.	Not issued.	Screw	Lake Aylmer	Brompton Pulp & Paper Co., East Angus, P.Q.
48	Sault Ste. Marie, Mich.	Fishing tug	18-7-17		16-6			
18	1908 Wood.	Tug	Sault Ste. Marie	G. M. A.	22-5-17	Screw	Lake Superior	Dominion Fish Co., Winnipeg, Man.
6	Pictou, N.S.		14-5-17		14-5-18			
86	1907 Steel.	Pass tug	Red Pine, Chute P.Q.	D. J. M.	8-11-17	Screw	Halifax Harbour	Southern Salvage Co., Liverpool, N.S.
55	Larchford.	40	29-8-17	J. E. L.	30-6-18			
88	1872 Wood.	4 Turtl.	Portage	M. R. D.	20-9-17	Paddle	Turtle river	J. R. Booth, Ottawa.
101202	St. Johns, Nfld.	Tug	Sydney, N.S.	D. J. M.	29-9-18			
202	1912 Wood.	Tug	The Pas, Man.	W. J. V.	Not issued.	Screw	Coasting, N.S.	Dominion Coal Co., Sydney, N.S.
127	The Pas.		27-9-17		23			
17	1891 Wood.	Tug	Three Rivers	P. X. H.	Not issued.	Paddle	Saskatchewan river	Pinger Lumber Co., The Pas, Man.
12	Levis, P.Q.		17-9-17		10-3			
385	1881 Wood.	Freight	Toronto, Ont.	J. B. S.	22-6-17	Screw	All lakes and rivers	LaCie Générale d'Entreprise, Levis, P.Q.
243	Walkerville, Ont.		25-5-17	W. E.	15-6-18			
146	1898 Wood.	Fishing boat.	King'sville	J. D.	20-8-17	Screw	Sheltered waters and not more than 1 hrs. run beyond sheltered waters.	J. H. and J. P. and J. H. Milnes, Toronto, Ont.
69	Mantowoc, Wis.		15-8-17		15-8-18			J. E. Pastorius, Kingsville.
25	1916 Wood.	Fishing tug	Rosspport, Ont.	W. J. C.	18-8-17	Screw	Jackfish and Nipigon Straits.	Clas. Kylander, Rosspport, Ont.
17	Rosspport.		15-8-17		15-8-17			
1,530	1880 Wood.	Freight	Trenton, Ont.	T. P. T.	28-4-17	Screw	Lake Erie and Father Point.	Canada Shipping Co., Ltd., Montreal, P.Q.
932	Gibraltar, Mich.		19-4-17	M. R. D.	19-4-18			

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Port d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature du corps.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivré—Expiration.	Propulsion—N. H. P. Propulsion—N. ch. H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Cardillac 138230 Montreal, P.Q.	1,297 732	1892 Steel. South Chicago, Ill.	Freight.	Toronto, Ont. 4-5-17 Welland Canal 10-5-17	J. B. S. W. E.	15-5-17 10-5-18	Screw. 88	Coasting and Inland.	Canada S.S. Lines, Montreal P.Q.
Caldern. St. Catharines.	41 17	1912 Wood Port Arthur, Ont.	Fishing tug.	Port Maitland, Ont. 18-7-17	J. B. S.	23-7-17 18-7-18	Screw. 3	Lake Erie.	Little & Siddall, Port Maitland, Ont.
Calgarian 131056 Port Arthur.	2,226 1,302	1913 Steel. Port Arthur, Ont.	Freight.	Hamilton, Ont. 16-4-17 20-4-17	J. B. S. W. E.	7-5-17 20-4-18	Screw. 116	All lakes and rivers.	Western Drydock & Ship-bldg. Co., Pt. Arthur Ont.
Calumet Island 131131 Ottawa.	18 12	1909 Wood Calumet Island.	Ferry.	Calumet Island 11-10-17	M. R. D.	11-10-17	Paddle. 1	Calumet Island and Campbells Bay.	Fred. Ladouceur, Calumet Island.
Calvin Austin 127768 Bath, Me.	3,826 2,859	1903 Steel Wilmington, Del.	Pass. 266	Boston, Mass. 11-5-17 11-5-17	C. E. D. W. R. B.	6-6-17 2-6-18	Screw. 210-4	St. John and Boston.	Eastern Steamship Corporation, Boston Mass.
Camosun 121294 Vancouver.	1,369 791	1905 Steel. Paisley, G.B.	Freight and pass. 143	Vancouver, B. C. 5-2-18 5-2-18	H. G. R.	6-2-18 4-2-19	Screw. 124-7	Vancouver and Prince Rupert.	G. T. Legg, et al Vancouver, B.C.
Campania 106869 Quebec.	21 16	1881 Wood Lake Megantic.	Tug. 43	Megantic, P.Q. 10-10-17	J. A. S.	Not issued	Screw. 2-13	Lake Megantic, P.Q.	G. M. Stearns, Lake Megantic, P.Q.
Canada 39675 Vancouver, B.C.	151 66	1892 Iron Beverly, Yorkshire, Scot.	Fishing boat.	Vancouver, B.C. 4-5-17	A. E. H.	5-5-17 3-5-18	Screw. 45-2	Vancouver & Coastwise.	Canada Fishing Co., Ltd. Vancouver, B.C.
Canadian 107094 Victoria.	716 455	1898 Wood Victoria, B.C.	Pass. 110	Dawson, Y.T. 11-7-17 11-7-17	A. F.	14-7-17 13-7-18	Stern wheel. 25	Yukon river.	British Yukon Nav. Co. Ltd., Victoria, B.C.
Canadian 125533 Vancouver.	61 41	1907 Wood New Westminster.	Tug.	Vancouver, B.C. 20-7-17	A. E. H.	20-7-17 18-7-18	Screw. 12	Vancouver, B. C. and Straits of Georgia.	H. Wilbur, et al Vancouver, B.C.
Canadiana 267479 Buffalo, U.S.A.	974 427	1910 Steel. Buffalo, N.Y.	Pass. 3,000	Louisa, N.Y. 25-5-17	J. B. S. W. B.	25-5-17 25-5-18	Screw. 138	Buffalo & Pt. Colborne & Niagara River.	Buffalo and Lake Erie Excursion Co.
Canna 112553 Brockville, Ont.	10 6	1915 Wood Kingston, Ont.	Yacht.	Brockville, Ont. 12-7-17	T. P. T.	20-7-17 2-6-18	Screw. 8	Not stated.	John McGraw, Brockville, Ont.
Candiac 138236 Montreal.	1,748 1,051	1887 Wood Detroit, Mich.	Freight.	Montreal, P.Q. 5-4-17 17-4-17	J. E. L. P. D.	18-4-17 5-4-18	Screw. 94	Lake Erie to Quebec.	Loblaw Coal Co., Ltd., Montreal.
Canoe 122524 Vancouver, B.C.	56 38	1907 Wood Vancouver, B.C.	Tug.	Vancouver, B.C. 3-0-17	H. G. R.	9-6-17 2-6-18	Screw. 9-4	Vancouver to Howe Sound, B.C.	Swanson Bay Forests Pulp and Lumber Mills Ltd., Ottawa.

SESSIONAL PAPER No. 23

Canso, 126803	Yarmouth, N.S.	225	1910 Steel	Tug.....	Pt. du Chene, N.B. 21-4-17	C. E. D.	Not issued.	Screw..... 47	Coasting.....	Minister of Public Works, Ottawa.
Cape Breton, 97808	Montreal.	1,764	1890 Steel	Freight.....	Sydney, N.S. 29-9-17 25-3-18 2nd inspection 19-3-18	D. J. M. A. McD. D. J. M.	25-3-18 18-3-19	Screw..... 146-8	Coasting.....	Steamship Carbon Co., Ltd. Montreal, P.Q.
Capt. Henevis, 130330	Kingston, Ont.	35	1902 Steel	Fishing tug.....	Port Arthur, Ont. 15-11-17	W. J. V.	15-11-17 1-1-18	Twin screw..... 2-4	Thunder Bay.....	Bowman Fish Co., Port Arthur, Ont.
Captain Jim, 107139	Goderich, Ont.	58	1902 Wood.	Fishing tug.....	Sault Ste. Marie, 10-5-17	G. M. A.	22-5-17 10-5-18	Screw..... 19-5	Lake Superior.....	Dominion Fish Co., Winni- peg.
Captain Visgar, 137983	Kingston, Ont.	39	1895 Wood.	Tug.....	Kingston, Ont. 21-7-17	T. P. T.	Not issued.	Screw..... 13-5	River St. Lawrence & Bay of Quinte.	Manroe, Bros. Gananorque, Ont.
Caraquet, 104040	Southampton, G.B.	4,890	1904 Steel	Pass. freight.....	St. John, N.B. 27-3-18	C. E. D. W. R. B.	13-5-18 27-3-19	Tw. screw..... 245	St. John, N.B. & West Indies.	Royal Mail Steam Packet Co., London, Eng.
Caribou, 116249	Wood., Sault Ste. Marie, Ont.	597	1904 Wood.	Pass.....	Owen Sound, Ont. 1-5-17 2-5-17	G. M. A. S. D. A.	8-5-17 2-5-18	Screw..... 43-7	Owen Sound and Michi- pooten.	Dominion Fish Co., Winni- peg, Man.
Carillon, 131124	Ottawa.	41	1912 Wood.	Tug.....	Montreal, P.Q. 26-4-17	J. T. G.	7-5-17 24-4-18	Screw..... 16-8	Montreal harbour & Canals, Ottawa.	Minister of Railway and Canals, Ottawa.
Carlotta, 122416	Midland.	114	1908 Wood.	Yacht.....	Midland, Ont. 22-9-17	G. M. A.	28-9-17 21-9-18	Screw..... 31-3	Georgian bay.....	J. Playfair, Midland, Ont.
Carmilia, 112261	Montreal.	62	1902 Wood.	Tug.....	Sorel, P.Q. 30-5-17	F. X. H.	Not issued.	Screw..... 28	St. Lawrence river.....	Minister of Marine and Fisheries, Ottawa.
Carolina, 107238	Sorel, P.Q.	104	1912 Wood.	Freight.....	Sorel, P.Q. 2-6-17	F. X. H.	9-6-17 2-6-18	Screw..... 2-1	Louisville and Montreal.	L. Dugre, Montreal, P.Q.
Carrie Helen, 130638	St. John, N.B.	19	1912 Wood.	Ferry.....	Gondola Pt., N.B. 19-7-17	G. E. D. W. R. B.	20-9-17 30-11-17	Cable.....	Gondola Pt. to Reeds Pt.	A. P. Pitt, Reeds Pt., N.B.
Cartier, 129745	Ottawa.	556	1910 Steel	Govt. Surv.	Quebec, P.Q. 2-4-17	J. A. S.	Not issued.	Twin screw..... 98-6	Coasting.....	Minister of Marine and Fisheries, Ottawa.
Casarco No. 3, 131194	St. Andrews, N.B.	39	1912 Wood.	Pass. freight.....	St. Stephen, N.B. 16-5-16	C. E. D. W. R. B.	3-7-17 2-7-18	Screw..... 2-8	St. Croix and Passama- quoddy Bay.	Canadian Sardinie Co., St. Andrews, N.B.
Cassa, 103919	Victoria, B.C.	1,079	1911 Wood.	Pass.....	Dawson, Y.T. 3-7-17	A. F.	3-7-17 2-7-18	Stn. Wild 17	Yukon river.....	British Yukon Nav. Co., Ltd., Vancouver.
Cascade, 112243	Victoria, B.C.	119	1902 Wood.	Freight.....	Victoria, B.C. 26-12-17	W. J. C.	27-12-17 25-12-18	Screw..... 16	Coasting, B.C.....	Cascade Transportation Co., Ltd., Victoria, B.C.
Cassar, 103472	Vancouver.	597	1890 Wood.	Freight and Pass.....	Vancouver, B.C. 31-1-18 31-1-18	A. E. H. A. E. H.	31-1-18 28-1-19	Screw..... 43	Vancouver and King- come Inlet.	G. T. Legg, Vancouver, B.C.
Castlegar, 130550	Vancouver.	104	1912 Wood.	Tug.....	Okanagan Landing, B.C. 3-5-17	W. J. C.	30-5-17 2-5-18	Screw..... 27	Okanagan Lake.....	Can. Pacific Railway Co., Montreal, P.Q.
Castor, 122474	Ottawa.	88	1907 Steel.	Tug.....	Fort Colonge, P.Q. 22-3-17	J. E. L.	31-5-17 22-3-18	Pull..... 33	Chapeau and Colonge.....	Upper Ottawa Improvement Co., Ottawa.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Port et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Cayuga..... 1,162 Toronto.	2,196 1,162	1907 Steel. Toronto, Ont.	Pass. 2,150	Toronto, Ont. 3-5-17	J. B. S. W. E.	14-5-17 11-5-18	Tw. screw 328-7	Toronto and Lewiston..... Montreal, P.Q.	Canada, S.S. Lines Ltd., Montreal, P.Q.
Celestial Empire..... 106769 Liverpool, G. B.	204	1897 Iron. Hull, G.B.	Fishing boat	Vancouver, B.C. 11-5-17	A. E. H. A. E. H.	28-12-17 28-12-18	Screw 59	Vancouver and coasting. Vancouver, B.C.	Canadian Fishing Co., Ltd. Vancouver, B.C.
Celtic..... 122538 Vancouver, B.C.	238 163	1907 Wood. Vancouver, B.C.	Freight.	Vancouver, B.C. 18-9-17	H. G. R.	20-9-17 15-8-18	Screw 10-5	Vancouver and Prince Rupert. Vancouver, B.C.	Coasting Steamship Co., Vancouver, B.C.
Centre Star..... 130849 Vancouver, B.C.	39	1912 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 14-3-18	A. E. H.	15-3-18 12-3-19	Screw 8-2	Vancouver and Points on strs. of Georgia.	W. S. Nicholls, Vancouver, B.C.
Chaffey..... 71083 Montreal, P.Q.	67 37	1875 Wood. Portsmouth, Ont. 1914 Rebuilt.	Pass. 20	Valleyfield, P.Q. 8-8-17 9-7-17	J. T. G. P. D.	9-8-17 8-8-18	Screw 8-1	Valleyfield and Lancessfield, P.Q.	Celestin Lebeau, Valleyfield, P.Q.
Chaleur..... 98863 Southampton, G.B.	4,758 2,930	1893 Steel. Lachine, P.Q. Belfast, Ireland.	Pass. 238	Halifax, N.S. 7-3-18	A. McD.	6-3-18 19-4-18	Tw. scr. 418	Foreign-going..... Royal Mail Steam Packet Co., London, Eng.	Royal Mail Steam Packet Co., London, Eng.
Challenger..... 92331 Quebec, P.Q.	109	1886 Wood. Levis, P.Q.	Tug.	Three Rivers, P.Q. 17-9-17	F. X. H.	19-9-17 17-9-18	Screw 50	Three Rivers Harbour..... La Cie Générale d'Entreprise, Levis.	La Cie Générale d'Entreprise, Levis.
Champion..... 103975 Quebec, P.Q.	482 304	1897 Steel. Levis, P.Q.	Pass. 600	Quebec, P.Q. 17-4-17 7-5-17	J. A. S. P. D.	8-5-17 17-4-18	P.H. 44-9	Quebec and Berthier..... La Cie Maritime et Industrielle de Levis, P.Q.	La Cie Maritime et Industrielle de Levis, P.Q.
Champlain..... 103956 St. John, N.B.	392 267	1897 Wood. Valleyfield, P.Q. 1913 Menfingen, N.S.	Pass. freight 2nd	St. John, N.B. 28-3-18 inspection.	C. E. D.	1-6-18 28-3-19	Screw 29	St. John river and tributaries, N.B. River, Qu'elle and Murray Bay.	Majestic Steamship Co., St. John, N.B.
Champlain..... 116999 Ottawa.	522 225	1904 Steel. Paisley, G.B.	Pass & frt. 120	Quebec, P.Q. 4-12-17 5-12-17	J. A. S.	4-12-17 4-12-18	Screw 87-4	Minister of Marine and Fisheries, Ottawa.	Minister of Marine and Fisheries, Ottawa.
Charlemagne..... 100180 Montreal.	76 52	1891 Wood. Montreal, P.Q.	Tug.	Charlemagne, P.Q. 12-4-17	T. McC J. E. G.	24-7-17 12-4-18	Screw 37-5	Montreal & Charlemagne. Quebec and Levis..... Quebec.	Charlemagne Lumber Co., Montreal.
Charles H. Shaw..... 134492 Quebec, P.Q.	1,489 951	1889 Wood. Detroit, Mich.	Car ferry.	Quebec, P.Q. 25-11-16 3-12-17	P. D.	18-12-17 3-12-18	Screw 116	Quebec and Levis..... St. Marys River..... Marie, Ont.	Quebec and Levis Ferry Co., A. B. McLean, Sault Ste. Marie, Ont.
Charles Halliday..... 134386 Sault Ste. Marie, Ont.	47	1881 Wood. Saugatuck, Mich.	Tug.	Sault Ste. Marie 11-5-17	G. M. A.	9-7-17 11-5-18	Screw 32-6	St. Marys River..... Prescott and Ogdensburg. St. Mary river..... St. L. Penhorwood, Sault Ste. Marie, Ont.	St. Marys River..... Prescott and Ogdensburg. St. Mary river..... St. L. Penhorwood, Sault Ste. Marie, Ont.
Charles Lyon..... 123975 Prescott.	1,658 1,127	1908 Steel. Toronto.	Car ferry. 69	Prescott, Ont. 20-6-17 13-6-17	T. P. T. M. R. D.	27-6-17 25-6-18	Tw. screw 161	Prescott and Ogdensburg. St. Mary river..... St. L. Penhorwood, Sault Ste. Marie, Ont.	Can. Pac. Transfer Co., Prescott.
Charles W. Ritter..... 134194 Sault Ste. Marie.	41 18	1876 Wood. Buffalo, N.Y.	Tug.	Sault Ste. Marie 24-10-17	G. M. A.	Not issued.	Screw 7-5	St. Mary river..... St. L. Penhorwood, Sault Ste. Marie, Ont.	S. L. Penhorwood, Sault Ste. Marie, Ont.

SESSIONAL PAPER No. 23

Charlie Jones, 111880 Port Stanley, Ont.	16 1904 Wood, Owen Sound, Ont.	Fishing boat.	Southampton, Ont. 24-8-17	J. D.	2-10-17 28-8-18	Lake Huron.....	D. McDonald, Southampton, Ont.
Charlie M., 103676 Toronto.	50 1897 Wood, 30 Gravenhurst, Ont.	Pass. 32	Gravenhurst, Ont. 28-5-17 14-6-17	J. T. G. S. D. A.	25-6-17 28-5-18	Muskoka Lakes.....	Muskoka lakes Navigation and Hotel Co., Ltd., Toronto, Ont.
Charlton, 88622 Windsor, Ont.	389 1862 Wood, 265 Chicago, Ill. 1894 Rebuilt, Collingwood, Ont.	Tug.....	Victoria harbour, 20-9-17	G. M. A.	13-5-18 19-9-18	Georgian bay.....	Victoria Harbour Lumber Co., Ltd., Toronto.
Charmer, 100793 Victoria.	1,044 1887 Steel, 496 San Francisco, 1911 Rebuilt.	Pass. 98	Victoria, B.C. 19-6-17 19-6-17	W. J. C.	19-6-17 18-6-18	Victoria, Vancouver and Comox.	Can. Pacific Railway, Mon- treal.
Chasina (Ex Selma) 85075 Vancouver, B.C.	259 1881 Iron and steel, 132 Glasgow, Scot.	Frt. Pass. 153	Vancouver, B.C. 22-3-18	A. E. H.	23-3-18 9-3-19	Vancouver and Powell River.	Union Steamship Co. of B.C. Ltd.
Chateaugay, 103099 Montreal, P.Q.	339 1893 Steel, 170 Montreal, P.Q. 1907 Rebuilt.	Pass. 380	Montréal, P.Q. 26-6-17 20-6-17	J. E. L. P. D.	26-6-17 26-6-18	Montreal and Richelieu River.	J. Beaudoin, Montreal, P.Q.
Chatson, 130282 St. Catharines, Ont.	55 1911 Wood, 34 Port Robinson.	Tug.....	Cornwall, Ont. 17-9-17	T. P. T.	Not issued.	Cornwall Canal.....	Pendergast Bros., Cornwall Ont.
Chaudiere, 123693 London, G.B.	4,018 1899 Steel, 2,409 Middlesboro, G.B.	Pass. 240	Halifax, N.S. 9-6-17 7-6-17	N. A. C. A. McD.	12-6-17 9-6-18	Halifax and West Indies Co., London, G.B.	Royal Mail Steam Packet Co., London, G.B.
Cheakamus, 130305 Vancouver, B.C.	689 1910 Steel, 403 Dublin, Ireland, 1913 Rebuilt.	Freight Pass. 162	Vancouver, B.C. 16-6-17	A. E. H. A. E. H.	23-6-17 17-6-18	Vancouver and King- come Inlet.	Union Steamship Co. of B. C. Ltd., Vancouver, B.C.
Chebeco, 108633 Halifax.	578 1897 Steel, 184 Glasgow, G.B.	Ferry, 450	Dartmouth, N.S. 5-6-17 6-9-17	D. J. M. A. McD	11-6-17 516-18	Halifax harbour.....	Dartmouth Ferry Commis- sion, Dartmouth, N.S.
Cheerful, 130493 New Westminster.	80 1912 Wood, 42 Fraser Mills, B.C.	Tug.....	Vancouver, B.C. 11-6-17	H. G. R.	12-6-17 10-6-18	Vancouver and Straits of Georgia.	The Canadian Tug Boat Co. Ltd., Vancouver, B.C.
Chelohsin, 130805 Vancouver, B.C.	1,134 1911 Steel, 597 Dublin, Ireland.	Freight, Pass. 191	Vancouver, B.C. 22-2-18	A. E. H. A. E. H.	23-2-18 1-2-19	Vancouver and Prince Rupert.	Union Steamship Co., Ltd., Vancouver.
Chemains, 126509 Victoria, B.C.	153 1909 Wood 71 Chemainus, B.C.	Tug.....	Victoria, B.C. 5-4-17	B. M.	6-4-17 4-4-18	Coasting.....	Victoria Ibr. & Mfg. Co., Ltd., Victoria, B.C.
Cherock, 126973 Toronto, Ont.	328 1907 Steel, 160 Toronto, Ont.	Pass. 300	Gravenhurst, Ont. 28-5-17 19-7-17	J. T. G. S. D. A.	26-7-17 28-5-18	Muskoka lakes.....	Muskoka Lakes Nav. and Hotel Co., Toronto, Ont.
Cheslatta, 134290 Victoria, B. C.	18 1907 Wood, 12 Arrowhead, B.C.	Fr'gt. Pass. 40	Arrowhead, B.C. 23-5-17 23-5-17	W. J. C.	29-5-17 22-5-18	Arrowhead to Halls Idg.	Hall Bros. Arrowhead, B.C.
Chiefain, 94620 Victoria, B.C.	65 1890 Wood, 39 Victoria, B.C.	Tug.....	Vancouver, B.C. 13-9-17	A. F.	12-9-17 14-7-18	Vancouver and Straits of Georgia.	R. Cunningham, & Son, Port Essington, B.C.
Chignecto, 125663 Parrsboro, N.S.	86 1908 Wood, 36 Port Greville, N.S.	Tug.....	Hantsport, N.S. 21-6-17	N. A. C.	22-6-17 21-6-18	Bay of Fundy.....	J. N. Pugsley, Parrsboro, N.S.
Chinook 117156 New Westminster.	34 1899 Wood 28 Astoria.	Freight.....	Vancouver, B.C. 16-8-17	A. E. H.	18-8-17 15-8-18	Vancouver and Howe Sd.	W. H. Hind, Vancouver.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. I. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Chippewa 10755 Toronto, Ont.	1,514 763	1893 Steel Hamilton, Ont.	Pass 2,000	Toronto, Ont. 10-5-17	J. B. S. W. E.	5-6-17 2-6-18	Pull 145-2	Toronto and Lewiston.	Canada S. S. Lines, Ltd., Montreal.
Choctaw 130234 Port Stanley, Ont.	53	1911 Wood Collingwood, Ont.	Fishing boat.	Port Stanley, Ont. 13-10-17	J. B. S.	22-10-17 13-10-18	Screw 10-6	Lake Erie.	C. F. Stanton and P. L. Glover, Port Stanley, Ont.
Christiana 83103 Richibucto, N. B.	57 30	1886 Wood Mission Point, P. Q.	Tug.	Campbellton, N. B. 5-9-17	C. E. D.	10-9-17 1-12-17	Paddle 9-2	Inside Ileron Is. high Tracadigash Pl.	Shives Lumber Co., Camp- bellton, N. B.
Christina Mac 131085 Port Arthur.	14 10	1913 Wood Port Arthur, Ont.	Fish tug	Hosport, Ont. 15-8-17	W. J. V.	16-10-17 13-8-18	Screw 6	Jackfish and Nipigon Straits.	Alex. McKay, Rosport.
Cingales 126419 Toronto, Ont.	59 23	1905 Wood Toronto, Ont.	Yacht	Wards Island, Ont. 23-5-17	J. B. S.	29-5-17 23-5-18	Screw 10-6	Lake and river.	Public Works Department Ottawa.
Citide II 134632 Victoria, B. C.	35	1912 Wood Tete Juan Cache, B. C.	Frt. Pass. 10	South Fort George 7-8-17	A. F.	21-8-17 6-8-18	Screw 3-3	South Fort George and points on Upper Fra- ser River	P. Burns & Co., Ltd., Cal- gary, Alta.
Cisco 121900 Port Stanley, Ont.	42 23	1910 Wood Collingwood, Ont.	Fishing boat.	Port Stanley, Ont. 10-9-17	J. B. S.	10-9-17 10-9-18	Screw 13-5	Lake Erie.	N. S. Cornell and H. Taylor, Port Stanley, Ont.
City Queen 111561 Toronto, Ont.	69 42	1900 Wood, 1908 Midland, Ont.	Pass, 40 Ex. 149.	Midland, Ont. 21-9-17	G. M. A. S. D. A.	Not issued.	Screw 10-6	Midland and Honey Harbour.	Playfair Preston, Midland, Ont.
City of Cheboygan 157279 St. Ignace, P. Q.	247 163	1890 Wood Cleveland, Ohio.	Pass 320	Port Huron 17-7-17	J. D. W. E.	17-7-17 21-6-18	Screw 54-1	St. Clair River.	Island Trans. Co., Michigan.
City of Collingwood 117089 Collingwood, Ont.	4,529 3,489	1907 Steel Collingwood, Ont.	Frt. Pass. 10	Collingwood 5-5-17	S. D. A.	7-5-17 5-5-18	Screw 10-6	Port Colborne and Du- luth.	Farrar Transp. Co., Toronto, Ont.
City of Dover 126647 Port Dover, Ont.	81 33	1916 Wood Port Dover, Ont.	Fishing tug.	Port Dover Ont. 14-11-17	J. B. S. W. E.	15-11-17 13-11-18	Screw 15-4	Port Dover and San- dusky.	Wm. F. Kutzby, Port Dover, Ont.
City of Edmonton 126448 Kenora, Ont.	301 189	1909 Wood Edmonton, Alta.	Pass 400	Edmonton, Alta. 9-5-17	J. T. M. J. T. M.	21-8-17 9-5-18	Stern wheel 9-6	Saskatchewan river.	J. Walter, Edmonton, Ltd., Alta.
City of Haileybury 126401 Ottawa.	38 26	1908 Wood Kipawa, Ont.	Pass and freight. 40	Red Pine Chute 29-8-17	J. E. L. M. R. D.	20-9-17 24-9-18	Screw 7-5	Lake Kippawa.	John Cunningham, Goudette.
City of Hamilton 126526 Ottawa.	1,574 869	1871 Iron Buffalo, N. Y.	Freight. 40	Kingston, Ont. 17-4-17	T. P. T. W. E.	18-5-17 17-4-18	Screw 80-6	Lakes and rivers.	Canada Steamship Lines, Ltd., Montreal, P. Q.
City of Lund 126545 Vancouver, B. C.	49 34	1908 Wood Lund, B. C.	Tug.	Toronto. 12-5-17	H. G. R.	22-6-17 13-6-18	Screw 9-6	Vancouver & Lund, B. C.	F. G. and C. A. Thulin, Lund, B. C.

SESSIONAL PAPER No. 23

City of Meaford..... 117082 Collingwood.	328 1906 Wood 223 Meaford, Ont.	Pass..... 100	Collingwood, Ont. 30-6-17 14-6-17	G. M. A..... S. D. A.	6-3-17 0-7-18 30-11-17	Screw..... 28-1	Collingwood and way ports Sault-Ste. Marie Collingwood, Ont.
City of New York..... 116393 Cobourg.	292 1893 Wood 199 Cleveland, Ohio.	Freight.....	Toronto, Ont. 19-11-17 18-10-17	J. B. S..... W. E.	18-10-18	Screw..... 19-2	Lake Erie ports and Co. Ltd., Toronto, Ont.
City of Ottawa..... 1,323 1871 Iron 671 Buffalo, N.Y.	1,323 1871 Iron 671 Buffalo, N.Y.	Freight.....	Kingston, Ont. 20-4-17 28-4-17	T. P. T. M. R. D. W. E.	4-5-17 20-4-18	Screw..... 80-6	Ft. William and Father Point. Canada Steamships Lines Ltd., Montreal, P.Q.
City of Prince Albert, 122291 Prince Albert, Sask.	141 1906 Wood 89 Prince Albert, Sask.	Tug.....	Prince Albert, Sask. 6-9-17	J. T. M.....	6-9-17 6-9-18	Paddle..... 6-7	Saskatchewan river..... Prince Albert Lumber Co., Prince Albert, Sask.
City of Seattle..... 126635 New York.	1,411 1890 Steel 768 Philadelphia, Pa.	Freight pass, 234	Seattle, Wash. 2-4-17	W. J. C. W. J. C.	2-4-17 14-2-18	Screw..... 150-5	Pacific coast Steamship Co., New York.
City of Toledo..... 126738 Detroit.	796 1890 Steel 437 Toledo. 1916 Rebuilt-Detroit.	Pass..... 1,954 Ex- 1,650 1,360	Detroit, Mich. 18-7-17 8-5-17	J. D. W. E. W. J. C.	29-6-17 8-6-18	Paddle..... 226-5	Toledo and Port Huron. White Star Line, Detroit.
City of Vernon..... 122400 Victoria, B.C.	19 1908 Wood 13 Victoria, B.C.	Tug.....	Kalamakea, B.C. 8-5-17	W. J. C.	31-5-17 7-5-18	Screw..... 6	Kalamakea..... Johnston and Carswell, Vernon, B.C.
Clansman..... 107711 Vancouver, B.C.	72 1899 Wood 49 Vancouver, B.C.	Freight.....	Vancouver, B.C. 20-4-17	A. E. H.	26-4-17 19-4-18	Screw..... 10-7	Vancouver and Straits of Georgia. Coast Steamship Co., Van- couver, B.C.
Clare..... 116551 Maitland.	88 1903 Wood 60 Lower Onslow, N.S.	Tug.....	Liverpool..... 29-9-17	N. A. C.	10-10-17 29-7-18	Screw..... 16-6	Coasting..... F-state of Lantulum, St. John, N.B.
Clarence Fix..... 205430 Buffalo, N.Y.	89 1908 Steel 61 Buffalo, N.Y.	Pass..... 327	Buffalo, U.S.A. 5-7-17 5-7-17	J. B. S. W. E.	11-7-17 22-6-18	Screw..... 7-5	Buffalo harbour and Niagara river. F. F. and Chas. Fix, Buffalo.
Clark Bros..... 94984 Toronto, Ont.	92 1901 Wood 38 Toronto, Ont.	Pass..... 246	Hanlan's Point, Ont. 25-4-17 Toronto, Ont.	J. B. S. W. E.	15-5-17 9-5-18	Screw..... 13-5	Toronto bay..... Toronto Ferry Co., Ltd., Tor- onto.
Clayburn..... 121741 Vancouver, B.C.	75 1906 Wood 51 Vancouver, B.C.	Tug.....	Vancouver, B.C. 9-5-17 14-5-17	H. G. R.	15-5-17 13-5-18	Screw..... 26-9	Vancouver and Straits of Georgia. Vancouver Tug and Barge Co., Vancouver, B.C.
Clayton..... 111679 Parrsboro, N.S.	43 1902 Wood 14 Parrsboro, N.S.	Tug.....	St. John, N.B. 25-5-17	C. E. D.	29-5-17 25-5-18	Screw..... 16-7	Inside Musquash har- bour and C. Spencer. J. A. Gregory, St. John, N.B.
Cleeve..... 103170 Vancouver, B.C.	36 1897 Wood 24 New Westminster, B.C.	Tug.....	Vancouver, B.C. 7-5-17	H. G. R.	8-5-17 6-5-18	Screw..... 9-2	Vancouver and Straits of Georgia. Wm. N. Coughlin, Van- couver, B.C.
Cliffside..... 126405 Ottawa.	68 1909 Wood 24 Ottawa, Ont.	Tug.....	Ottawa, P.Q. 27-4-17	J. T. G.	Not issued.	Screw..... 7-5	Rivers..... Dept. Public Works, Ottawa.
Clipper..... 116260 Toronto.	46 1903 Wood 29 1906 Midland.	Tug.....	Cutler, Ont. 1-9-17	G. M. A.	Not issued.	Screw..... 16-7	Spanish river mouth..... Sable and Spanish Boom, & Slide Co., Ltd., Spanish, Ont.
Clive..... 111993 New Westminster.	35 1902 Wood 24 New Westminster.	Tug.....	New Westminster, B.C. 13-9-17	A. F.	19-9-17 17-9-18	Screw..... 9-1	Fraser River..... Fraser River Pile Driving Co., Ltd., New Westmin- ster, B.C.
Clucas..... 77779 Goderich, Ont.	28 1882 Wood 19 Goderich, Ont.	Fish tug.....	Port Arthur..... 8-11-17	W. J. V.	9-11-17 5 6-18	Screw..... 11-2	Port Arthur and Points in Black Bay. Dominion Fish Co., Ltd., Winnipeg, Man.
Clutha..... 111957 New Westminster.	28 1903 Wood 19 New Westminster, B.C.	Tug.....	New Westminster, B.C. 4-3-18	H. G. R.	7-3-18 3-3-19	Screw..... 2-4	Fraser river..... St. Mungo Canning Co., Ltd., New Westminster, B.C.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Port et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Express. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Coaster 13804 Vancouver, B.C.	109	1916 Wood Vancouver and Strs. of 600 ft. length.	Freight.	Vancouver 3-10-17	A. F.	4-10-17 18-9-18	Screw 10-7	Vancouver and Straits of Georgia.	Coast S.S. Co., Ltd., Van- couver, B.C.
Coastguard 116651 Bonnington, N.S.	72 49	1914 Wood Shelburne, N.S.	Wrecking tug.	Halifax, N.S. 5-10-17	N. A. C.	5-10-17 3-10-18	Screw 16-7	Coasting, N.S.	Southern Salvage Co., Liverpool, N.S.
Coban 86071 Montreal, P.Q.	1,063	1882 Steel Sunderland, G.B.	Freight.	Halifax, N.S. 3-8-17 31-7-17	D. J. M. A. McD.	4-8-17 3-2-18	Screw 130-6	Halifax, N.S.	Black Diamond Steamship Co., Montreal.
Collingwood 117089 Collingwood, Ont.	4,529 3,480	1907 Steel Collingwood, Ont.	Freight pass. 10	Collingwood, Ont. 6-4-17	G. M. A.	10-5-17 5-5-18	Screw 163-8	All lakes and rivers	Farrar Transportation Co., Ltd., Collingwood, Ont.
Colomb 120926 Quebec, P.Q.	559 338	1910 Steel. Levis, P.Q.	Freight and pass. 400	Levis, P.Q. 10-17 Quebec, P.Q. 27-10-17	J. A. S. P. D.	20-10-17 9-10-18	Screw 87-1	Quebec harbour	Les Traverses de Levis, Levis, P.Q.
Colonel By. 80911 Prescott, Ont.	9	1880 Wood. Ogdensburg, N.Y.	Tug.	Ottawa, Ont. 18-6-17	J. E. L.	22-6-17 18-6-18	Screw 9-6	Rideau canal.	Jno. Cligh, Kemptville, Ont.
Col. White 138495 Montreal, P.Q.	29	1917 Wood Simcoe, Ont	Warp tug.	Calumet, P.Q. 23-8-17	J. T. G.	Not issued.	Tw. screw 2-7	Calumet and LaRouge P.Q.	Wardon & Co., Calumet, P.Q.
Colonge 113395 Ottawa.	18	1902 Wood Sand Point.	Warp tug.	Brae Side.	J. E. L.	Not issued.	Fiddle 2-9	Brae Side Boom.	Gillies Bros., Brae Side.
Columbia 103822 New Westminster.	50 34	1896 Wood. 1913 Nakusp, B.C.	Tug and pass. 9	Arrowhead, B.C. 11-5-17	W. J. C.	12-5-17 10-5-18	Screw 19-5	Arrowhead and Beaton Co., Montreal.	Canadian Pacific Railway, Co., Montreal.
Columbia 127655 Detroit.	969 550	1902 Steel. Detroit, Mich.	Pass. 3,511	Detroit, Mich. 13-6-17 Sault Ste. Marie, Ont. 11-5-17	J. D. W. E. G. M. A.	3-6-17 2-5-18	Screw 151-1	Detroit river.	Detroit and Windsor Ferry Co., Detroit.
Commore. 104787 Sault Ste. Marie.	40	1885 Wood. Manitowac, Wis. 1914 Rebuilt. Sault Ste. Marie.	Tug.	Sault Ste. Marie, Ont. 4-2-18	H. G. R.	22-5-17 11-5-18	Screw 6-5	Batchewana and Thes- salon.	Lake Superior Paper Co. Ltd.
Commore. 122363 Vancouver, B.C.	318 216	1907 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 4-2-18	J. B. S. W. E.	8-2-18 3-2-19	Screw 52-3	Vancouver, B.C., and Coastwise.	B. C. Mills Tug and Barge Co., Vancouver, B.C.
Commodore Jarvis 116257 Toronto, Ont.	287	1903 Wood Bronte, P.Q.	Freight.	Toronto, Ont. 5-6-17 19-6-17	J. B. S. W. E.	3-7-17 19-6-18	Twin screw 11-2	Amherstburg and Ft. Grafton.	Mullen Coal Co., Amherst- burg, Ont.
Comox. 102022 Vancouver, B.C.	101 69	1891 Steel. Vancouver, B.C.	Freight. Pass. 75	Vancouver, B.C. 28-9-17	A. E. H.	29-9-17 31-10-17	Screw 23-6	Vancouver and Butte Inlet.	The Union Steamship Co., Vancouver, B.C.
Compton 130927 Montreal.	1,530 937	1882 Wood. Detroit, Mich.	Freight.	Trenton, Ont. 18-4-17 16-4-17	T. P. T. M. R. D.	28-4-17 16-4-18	Screw 91-5	Ft. William and Facher Point.	Ft. William and Facher Canada Shipping Co.

SESSIONAL PAPER No. 23

Conners Bros 116653 Yarmouth, N.S.	Freight and pass	St. John, N.B.	C. E. D.	30-3-18	Screw	Coasting, N.B.	Maritime Steamship Co., Black's Harbour, N.B.
64 Sheburne, N.S.	19	4-3-18	W. R. B.	4-3-18	24		
1883 Wood	Tug.	Sorel, P. Q.	F. X. H.	25-5-17	Screw		The Sincennes McNaughton Ltd.
91 Buffalo, N.Y.		27-4-17		27-4-18	55-2		Minister of Marine, Ottawa.
185 1917 Sorel, P. Q.	Patrol serv.	Halifax, N.S.	D. J. M.	Not issued.	Screw		
126 Owen Sound		12-7-17			34		
256 1892 Steel.	Freight and pass	Vancouver, B.C.	A. E. H.	7-2-18	Screw	Vancouver and Prince Rupert.	Union Steamship Co., Van- couver, B.C.
166 Vancouver, B.C.	15	7-2-18	A. E. H.	6-25-19	28-6		
588 1874 Iron	Tug.	Portsmouth, Ont.	J. B. S.	28-4-17	Paddle	Inland Waters.	Donnelly Wrecking Co., Kingston.
304 Kingston, Ont.		21-4-17		31-12-17	64-5		
1,274 1896 Steel.	Pass.	Toronto, Ont.	J. B. S.	14-5-17	Paddle	Toronto and Lewiston.	Canada S. S. Lines, Ltd., Montreal, P.Q.
649 Toronto, Ont.	1,456	9-5-17	W. E.	11-5-18	300-8		
74 1895 Steel.	Tug.	Pt. Dalhousie, Ont.	J. B. S.	28-6-17	Screw	Welland canal and Lake Ontario.	John Harrigan, Pt. Dalhou- sie, Ont.
37 Buffalo, N.Y.		27-6-17		27-6-18	25-7		
1,269 1901 Steel.	Freight.	Halifax, N.S.	N. A. C.	28-9-17	Screw	Halifax and coastwise.	Coranna Shipping Co., Halifax.
752 Leigh, G.B.		28-9-17	A. McD.	28-9-18	98-5		
Not registered.	Pass.	Lowbusht.	J. E. L.	Not issued.	Twin screw	Lake Abitibi.	Abitibi Power & Paper Co.
		28-7-17			1-6		
111 1896 Composite	Pass. Yacht	Quebec.	J. A. S.	27-6-17	Screw	Montreal and Gulf of St. Lawrence.	The Canadian Salvage Asso- ciation, Montreal.
138068 Ottawa.		14-5-17	P. D.	14-5-18	35-6		
99 1904 Wood	Tug.	North Vancouver.	H. G. R.	30-5-17	Screw	Vancouver and Straits of Georgia.	Contil Shipping Co., North Vancouver, B.C.
68 Vancouver, B.C.		28-5-17		5-5-18	28-2		
962 1908 Steel.	Pass.	Vancouver, B.C.	A. E. H.	30-7-17	Twin screw	Vancouver and King- come Inlet.	G. T. Legg, Vancouver, B.C.
520 Ayr, G.B.	165	28-7-17		27-7-18	130-8		
50 1905 Composite.	Tug.	Wartton, Ont.	G. M. A.	Not issued.	Screw	Georgian bay.	Peninsula Tug and Towing Co., Wartton, Ont.
37 Wartton, Ont.		11-8-17			30-8		
44 1910 Wood	Freight.	Nanaimo, B.C.	W. J. C.	25-6-17	Screw	Coasting	J. Kitchen et al, Victoria, B.C.
30 Vancouver, B.C.		21-6-17		20-6-18	4		
162 1916 Wood	Freight & tug	Sorrento, B.C.	W. J. C.	30-5-17	Stern wheel.	Shuswap lake.	Adams river Lumber Co., Chase, B.C.
102 Chase, B.C.		26-5-17		25-5-18	6-6		
380 1895 Steel.	Tug.	Halifax, N.S.	N. A. C.	28-9-17	Screw	Coasting, N.S.	Brister & Son, Halifax, N.S.
24 Port Glasgow, G.B.		24-9-17	A. McD.	21-9-18	153-4		
11 1906 Wood	Tug.	Prince Rupert, B.C.	A. E. H.	23-5-17	Screw	Prince Rupert harbour.	C. C. Ketchum, Prince Rupert, B.C.
7 Winslow, Wash.		17-5-17		16-5-18	2		
14 1916 Wood	Prt. Pass.	Anyox, B.C.	A. F.	Not issued.	Screw	Anyox to points in Ob- servatory Inlet.	Granby Consolidated Min- ing, Smelting & Power Co., Vancouver, B.C.
10 Vancouver, B.C.	23	18-3-18			3		Great Lakes Dredging Co., Port Arthur, Ont.
85 1896 Steeple Comp.	Tug.	Port William, Ont.	W. J. V.	31-7-17	Screw	Thunder Bay.	
63 Ogdensburg, N.Y.		23-7-17		28-7-18	24		
1907 Port Arthur, Ont.							

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat—Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Carlew 10413 Ottawa, Ont.	158 96	1892 Steel Owen Sound, Ont.	Naval service.	Halifax, N.S. 5-6-17	N. A. C.	Not issued.	Screw 54	Coasting	Minister of the Naval Service, Ottawa.
Cyrenet 11290 Winnipeg, Man.	37 25	1905 Wood Selkirk, Man.	Tug.	Selkirk, Man. 14-6-17	W. J. V.	30-6-17 14-6-18	Screw 2-1	Red river.	Northwest Navigation Co., Selkirk, Man.
Cyrenet (Not registered).		1907 Wood New Westminster, B.C.	Snag boat	Port Essington, B.C. 22-5-17 2nd inspection—Prince Rupert, B.C. 21-3-18	A. E. II A. E.	30-3-18 20-3-19	Stern wheel 9-6	Skeena river.	Minister Public Works, Ottawa.
Czar 10397 Victoria, B.C.	152 93	1897 Wood Victoria, B.C.	Tug.	Vancouver, B.C. 13-3-17	A. E. II	16-8-17 12-8-18	Screw 50-4	Vancouver and Straits of Georgia.	G. F. Payne, Saturna, Isd. and E. J. Coyle, Vancouver, B.C.
D. A. Gordon 12979 Glasgow, G.B.	2,200 1,434	1910 Steel Port Glasgow, G.B.	Freight.	Louisburg, N.S. 15-4-16	D. J. M. A. M. D.	26-5-17 26-5-18	Screw 124-1	Foreign-going.	Canada Steamship Lines, Montreal.
D. A. Thomas Winnipeg (intended).	1,114 798	1916 Wood Peace River.	Freight and Pass. 300	Peace River, Alta. 26-5-17	J. T. M. J. T. M.	26-5-17 17-7-18	Stn. Paddle 21-6	Hudson's Hope—Vermilion chutes.	Peace River Tramway & Dunslop Co., Ltd., Peace River, Alta.
D. D. Mann 12283 Sheburne, N.S.	130 89	1907 Wood Sheburne, N.S.	Pass. 34	Lockeport, N.S. 17-7-17	N. A. C. A. M. D.	19-7-17 17-7-18	Screw 13-6	Lockeport harbour—Lockeport.	Town of Lockeport.
D. J. Burke 88415 Midland, Ont.	97 47	1882 Wood St. Catharines, Ont.	Tug.	Toronto, Ont. 24-10-17	G. M. A. J. B. S.	25-10-17 24-10-18	Screw 28-16	Toronto and Frenchman's Bay.	The Ontario Roche Co., Ltd., Toronto, Ont.
D. J. Purdy 100725 Montreal, P. Q.	683 430	1893 Steel Montreal, P. Q. 1911 rebuilt St. John, N.B.	Pass. 400	St. John, N.B. 3-5-17	C. E. D.	19-5-17 3-5-18	Paddle 34-1	St. John river and tributaries.	Crystal Stream S.S. Co., St. John, N.B.
D. P. Russell		Wood	Pass. Tug.	Matheson, Ont. 24-8-17	M. R. D.	Not issued.	Screw	Matheson and TurnFalls	
D. R. Van Allen 71104 Ft. William, Ont.	318 216	1874 Wood Chatham, Ont.	Freight	Fort William, Ont. 19-9-17 15-9-17	W. J. V. W. J. V.	17-9-17 13-9-18	Screw 34-6	Port Arthur and Fort William.	N. M. Paterson, Fort William, Ont.
D. S. Pratt 126955 Midland, Ont.	161 74	1911 Steel Midland, Ont.	Tug.	Midland, Ont. 31-10-17	G. M. A.	Not issued.	Screw 42-6	Georgian bay.	Canadian Dredging Co. Ltd., Midland, Ont.
D. W. Crow 90530 Chatham, Ont.	31 18	1902 Wood Chatham, Ont.	Tug.	Little Current, Ont. 17-7-17	G. M. A.	31-7-17 17-7-18	Screw 13-5	North channel, Lake Huron.	N. Trotter, Little Current, Ont.
D. McLeod 116361 Goderich, Ont.	86 25	1903 Wood Goderich, Ont.	Fishing boat	Southampton, Ont. 27-8-17	J. D.	21-9-17 27-8-18	Screw 10-7	Lake Huron.	Dominion Fish Co., Winnipeg.
Daek 107682 Prescott, Ont.	18 12	1897 Wood Clayton, N.B. 1909 rebuilt.	Fishing boat	Belleville, Ont. 25-5-17	T. P. T.	31-5-17 28-5-18	Screw 1-2	Bay of Quinte.	Wm. Black & Son, Belleville, Ont.

SESSIONAL PAPER No. 23

Daisy 88375	Vancouver, B.C.	47	1885 Wood	Tug	Vancouver, B.C.	A. E. H.	30-10-17 16-10-18	Screw	Vancouver harbour & Straits of Georgia.	Wm. Ed. Brown, Vancouver, B.C.
Daisy 111457	Winnipeg, Man.	25	Comox, B.C.	Fish. tug	Selkirk, Man.	W. J. V.	29-5-17 19-5-18	Screw	Standy Island and Poplar Pt.	Northern Fish Co., Selkirk, Man.
Dalhousie City 130312	Toronto, Ont.	1, 258 750	1911 Steel Collingwood, Ont.	Pass. 1093, 120.	Port Dalhousie, Ont.	J. B. S.	7-5-17 31-3-18	Screw	Toronto and Pt. Dalhousie.	McKenzie & Mann, Co. Toronto, Ont.
Dalton K. 138063	Ottawa, Ont.	21	1915 Wood	Tug pass.	Sturgeon Falls, Ont.	J. T. G. M. R. D.	31-8-17 14-7-18	Screw	Lake Nipissing.	Charles Williams et al, Sturgeon Falls, Ont.
Dandy 116805	Sorel, P.Q.	77	1905 Steel	Tug	Sorel, P.Q.	F. X. H.	21-5-17 5-5-18	Screw	Montreal and Quebec.	J. Larivière, St. Anne, P.Q.
Daniel 116726	St. John, N.B.	28	1904 Wood	Tug	St. John, N.B.	C. E. D.	19-4-17 13-4-18	Screw	Inside line through Musquash Hdt. Cape-Spence	River Valley Lumber Co., Oronotoct, N.B.
Daniel M. Munro 112065	Windsor, N.S.	1, 196 1, 138	1892 Iron Dumbarton, Scot.	Freight	Wentworth, N.S.	N. A. C. A. McD.	27-6-17 21-6-18	Tw. screw	Windsor, N.S. and New York.	Newport Plaster Mining Co., Windsor.
Daring 122375	Vancouver, B.C.	81 55	1907 Wood	Tug	Vancouver, B.C.	A. E. H.	23-6-17 21-6-18	Screw	Vancouver and Strait of Georgia.	W. W. White, Vancouver, B.C.
Dartmouth 90889	Halifax, N.S.	311 196	1888 Wood Yarmouth, N.S.	Ferry	Dartmouth, N.S.	N. A. C. A. McD.	24-5-17 25-5-18	Paddle	Halifax harbour.	Dartmouth Ferry Comm'n, Dartmouth, N.S.
Daughter of the Peaks 134314	Kenora, Ont.	17	1910 Wood	Pass.	Minniwaniki, Alta.	J. T. M. J. T. M.	20-8-17 17-8-18	Screw	Lake Minniwaniki.	John Standley, Banff, Alta.
Dauntless 111599	New Westminster	138 89	1901 Wood New Westminster	Tug	Vancouver, B.C.	H. G. R.	30-5-17 24-5-18	Screw	Vancouver, B. C. and Straits of Georgia.	Westminster Towing & Fish Co., New Westminster.
David G. Thomson 53506	Montreal, P.Q.	185 78	1883 Wood Kingston, Ont.	Tug	Kingston, Ont.	T. P. T.	19-7-17 15-4-18	Screw	Lake Ontario and Quebec.	Montreal Transportation Co. Montreal, P.Q.
David Ritchie 12168	Chatham, N.B.	25 16	1903 Wood Newcastle, N.B.	Tug	Newcastle, N.B.	C. E. D. C. E. D.	30-7-17 27-7-18	Screw	Inside Esquimaux Village and north-east of Portage Hdt.	Allan Ritchie, Newcastle, N.B.
David Seath 134487	Montreal, P.Q.	111 52	1915 Wood Montreal, P.Q.	Tug	Montreal, P.Q.	J. T. G.	26-4-17 19-4-18	Screw	Harbour Commissioners, Montreal, P.Q.	Harbour Commissioners, Montreal, P.Q.
Dawson 107836	Victoria, B.C.	779 491	1901 Wood White Horse, Y.T.	Freight and pass.	Dawson, Yukon.	A. F. A. F.	6-7-17 5-7-18	Stern wheel	Yukon river.	British Yukon Navigation Co., Ltd., Victoria.
Day Star 116695	Kenora, Ont.	13 9	1903 Wood Kenora, Ont.	Fishing tug	Norman, Ont.	W. J. V.	28-5-17 15-5-18	Screw	Lake of the Woods.	Marcus Malmo, Kenora, Ont.
Defiance 107717	Vancouver, B.C.	90 61	1897 Wood Tacoma, Wash.	Tug	Vancouver, B.C.	H. G. R.	25-5-17 1-5-18	Screw	Vancouver harbour.	Frank Monk, Vancouver B.C.
Defiance 116744	Halifax, N.S.	38 20	1904 Wood Shelburne, N.S.	Fishing boat	Lockeport.	N. A. C.	19-7-17 16-7-18	Screw	Coasting.	Frank Roberts, Halifax.
Delbert D. 126806	Yarmouth, N.S.	44 10	1910 Wood Yarmouth, N.S.	Tug	Halifax, N.S.	N. A. C.	24-5-17 23-5-18	Screw	Halifax harbour.	Southern Salvage Co., Liverpool, N.S.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
<i>Delilah C</i> 130532 Montreal, P.Q.	23	1907 Wood Bayonne, U.S.A.	Pass. 40	St. Denis, P.Q. 20-7-17	F. X. H.	31-7-17 20-7-18	Tw. screw 6-6	Beloeil and Sorel	Louis E. Carron, St. Denis P.Q.
<i>Delisle</i> 61134 Montreal, P.Q.	46	1869 Wood Buffalo, N.Y.	Tug.	Ottawa, Ont. 20-7-17	I. E. L.	Not issued	Screw 10-8	Fraser river	Minister of Public Works, Ottawa.
<i>Della</i> 100644 Vancouver, B.C.	15	1889 Wood Victoria, B.C.	Tug.	New Westminster 20-10-17	A. E. H.	30-10-17 26-10-18	Screw 6-3	Fraser river	Abernethy & Loughheed, Ltd, Port Haney, B.C.
<i>Donna</i> 121660 Quebec, P.Q.	35	1906 Wood Portneuf, P.Q.	Tug.	Three Rivers, P.Q. 17-9-17	F. X. H.	19-9-17 17-9-18	Screw 9-8	Three Rivers harbour	La Cie Gen. d'Ent. Public, Levis, P.Q.
<i>Des Brisay</i> 126554 Vancouver, B.C.	33	1909 Wood Vancouver, B.C.	Tug.	Victoria, B.C. 14-14-17	A. E. H.	24-4-17 12-4-18	Screw 8	Coasting	Genoa Bay Lumber Co., Genoa Bay.
<i>Deechailions</i> 133953 Sorel, P.Q.	214	1914 Steel Sorel, P.Q.	Tug.	2nd inspection Sorel, P.Q. 13-12-17	W. J. C.	14-12-17	Twin screw 54-6	St. Lawrence river	Minister of Marine & Fish- eries, Ottawa.
<i>Detector</i> (Not registered.)	607	1915 Steel Sorel, P.Q.	Govt. Serv.	Sorel, P.Q. 5-4-17	F. X. H.	Not issued	Twin screw 65-3	Montreal & Quebec	Minister of Marine & Fish- eries, Ottawa.
<i>Detroit</i> 201607 Detroit, Mich.	2089	1904 Steel Ecorse, Mich.	Car ferry	Detroit, Mich. 27-11-17	J. D. W. E.	30-11-17 30-10-18	Screw 384	Windsor and Detroit	Wabash R.R. Co., St. Louis, Ill.
<i>Diamond</i> 100695 Parrsboro, N.S.	23	1894 Wood Pictou, N.S.	Tug.	Hantsport, N.S. 21-6-17	N. A. C.	22-6-17 21-6-18	Screw 9-9	Minas Basin ports	Burpee Tupper, Parrsboro, N.S.
<i>Dick T.</i> 134367 Sorel, P.Q.	44	1914 Wood Sorel, P.Q.	Tug.	Quebec, P.Q. 8-5-17	J. A. S.	10-5-17 8-5-18	Screw 16-7	Quebec harbour	La Cie Sable Union Ltd., Quebec, P.Q.
<i>Digges (ex Princess)</i> 133867 Vancouver, B.C.	64	1888 Wood Victoria, B.C.	Tug.	Vancouver, B.C. 19-5-17	H. G. R.	21-5-17 1-4-18	Screw 18	Vancouver and Straits of Georgia.	A. R. Bissett, Vancouver.
<i>Dirie Baynet</i> 138173 Prince Rupert.	8	1907 Wood Vancouver, B.C.	Pass. 16	Prince Rupert 23-5-17	A. E. H.	27-3-18 25-3-19	Screw 1	Passages inside Tugwell, Digby, Ridley, Souk- ey and Kennedy Isds., Ozden Channel to Spl- cer Isd. and Grenville Channel to Farrant Is.	Reginald I. Newcomb, Prince Rupert, B.C.
<i>Dola</i> 122517 Vancouver, B.C.	176	1907 Wood Vancouver, B.C.	Tug & Pass. 17	Vancouver, B.C. 10-10-17	H. G. R.	20-10-17 15-9-18	Screw 39-1	Vancouver & coasting.	Vancouver Tug & Barge Co., Vancouver, B.C.
<i>Dolura</i> 128167 Glasgow, G.B.	701	1908 Steel Paisley, Scot.	Yacht	Victoria, B.C. 31-5-17	B. M.	31-5-17 30-5-18	Twin screw 154-8	Foreign going	James Dunsmuir, Victoria, B.C.

SESSIONAL PAPER No. 23

Dolphin 111992	Vancouver, B.C.	1922 Wood Land, B.C.	Tug.....	Vancouver, B.C. 19-1-18	H. G. R.....	15-1-18 14-1-19	Screw..... 6-8	Vancouver harbour.....	Pacific Dredging Co., Ltd., Vancouver, B.C.
Dominion 11614	Victoria, B.C.	1904 Wood Victoria, B.C.	Tug.....	Victoria, B.C. 25-9-17	B. M.....	21-9-17 24-9-18	Screw..... 6-9	Victoria harbour.....	W. E. Gardner, Victoria, B.C.
Donald H. McDonald 133947	Ottawa, Ont.	1913 Steel Arnprior, Ont.	Tug.....	Arnprior, Ont. 22-5-17	J. E. L.....	31-5-17 31-3-18	Paddle..... 5-4	Chats lake.....	McLachlin Bros., Arnprior, Ont.
Donald Mac 13452	Toronto, Ont.	1914 Steel Toronto, Ont.	Fishingboat	Pt. Stanley, Ont. 13-10-17	J. B. S.....	Not issued.	Screw..... 13-5	Lake Erie.....	Thor Iron Works, Toronto, Ont.
<i>Donatella</i> 131634	Vancouver, B.C.	1908 Wood Tacoma, Wash.	Pass. 30 s	Vancouver, B.C. 20-4-17	H. G. R.....	21-4-17 19-4-18	Screw..... 4	Vancouver and West Vancouver.	West Vancouver Ferry Co., Vancouver.
Doric 116203	Toronto.	1903 Steel Toronto, Ont.	Freight	Goderich, 13-4-17	J. D. W. E.	24-7-17 13-4-18	Screw..... 106-3	Coasting and island waters.	Canada S. S. Lines, Mon- treal.
Dorothea D. 130288	St. Catharines, Ont.	1914 Wood Stromness, Ont.	Fishingboat	Port Maitland, Ont. 17-7-17	J. B. S.....	23-7-17 17-7-18	Screw..... 2-7	Lake Erie.....	A. L. Dougher, Stromness, Ont. and and M. Jenkin- son, Dunville, Ont.
<i>Dorothea</i> Prince Rupert (not com- pleted)		1916 Wood Prince Rupert, B.C.	Frt. Pass 18	Alti Inlet 5-3-18	A. F.....	Not issued.	Screw..... 2	Alti Inlet inside Tanoou Isd. to Dana Inlet.	Kelly Logging & Lumber Co., Vancouver, B.C.
Dorothy May 130284	St. Catharines, Ont.	1912 Wood Port Dalhousie.	Tug.....	Port Colborne, Ont. 20-8-17	J. B. S.....	27-8-17 20-8-18	Screw..... 19-4	Welland canal and lakes	Wm. Hand, Port Dalhousie.
Dorothy N. 122497	Chatouan, N.B.	1907 Wood Newcastle, N.B.	Pass..... 121	Newcastle, N.B. 26-7-17	C. E. D. W. R. B.	4-8-17 26-7-18	Twin screw..... 12	Miramichi river and tributaries.	Newcastle Steamboat Co., Newcastle, N.B.
Douglas H. 130237	Port Stanley.	1912 Wood Port Stanley, Ont.	Fishingboat	Port Stanley, Ont. 13-10-17	J. B. S.....	20-10-17 13-10-18	Screw..... 11-2	Lake Erie.....	R. Long, Port Stanley, Ont.
Douglas H. Thomas 101291	Sydney, N.S.	1892 Steel Maryland, U.S.A.	Tug and pass. 30	Sydney, N.S. 10-8-17	D. J. M. A. McD.	26-8-17 8-8-18	Screw..... 56-6	Sydney and N. Sydney	Dominion Coal Co., Glace Bay, N.S.
Douglas M. 126002	Southampton, Ont	1896 Steel Buffalo, N. Y.	Fish tug.....	Southampton, Ont. 28-8-17	J. D.....	18-10-17 28-6-18	Screw..... 14-1	Lake Huron.....	Donald B. McAulay, South- ampton, Ont.
Dreadful 131448	Vancouver, B.C.	1911 Steel South Shields, G.B.	Tug and 17 Pass.	Victoria, B.C. 27-5-17	H. G. R. H. G. R.	26-5-17 6-10-17	Screw..... 74	Foreign going.....	Canadian Tug Boat Co., Ltd., Vancouver, B.C.
Dream 92356	St. John, N.B.	1881 Wood Newark, N.J.	Yacht.....	St. John, N.B. 21-6-17	C. E. D.....	10-7-17 21-6-18	Screw..... 11	Inside Musquash Head and Cape Spencer.	W. H. Thorne, St. John, N.B.
<i>Dr. Rymer</i> Winnipeg (not complete).		1915 Wood Edmonton, Alta.	Yacht.....	Pt. Resolution 25-6-17	J. T. M.....	25-6-17 25-6-18	Twin screw..... 2	Slave and McKenzie rivers.	Bishop Breyn, R.C. Mission Pt. Resolution, N.W.T.
Druid 112393	Ottawa.	1902 Steel Paisley, G.B.	Buoy serv.	Quebec, P.Q. 3-4-17	J. A. S. P. D.	Not issued.	Twin screw..... 117-6	Montreal and Gulf of St. Lawrence.	Minister of Marine and Fish- eries, Ottawa.
Duchess of York 100342	Montreal.	1895 Steel Montreal, P.Q.	Freight and Pass. 650	Lachine, P.Q. 15-5-17	J. F. L. P. D.	13-6-17 30-9-17	Paddle..... 38-5	Montreal and Carillon.....	Central Ry. Co. of Canada, Montreal.
Dufferin 116896	Halifax, N.S.	1905 Wood Sherbrooke, N.S.	Pass. & frt. 96	Halifax, N.S. 10-3-18	W. A. O. A. McD.	19-3-18 19-3-19	Screw..... 41-6	Halifax and Coasting.....	W. J. Murdoch, Sherbrooke, N.S.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires. Ports des propriétaires. Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiates des inspecteurs.	Certificate: Issued—Expises. Certificat: Délivré—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Daval 13396 Chatham, N.B.	28	1910 Wood Campbellton, N.B.	Tug.	Campbellton, N.B. 3-9-17	C. E. D.	10-9-17 5-9-18	Paddle. 3-3	Inside Heron Isd light and Tracadigan Pt.	Restigouche Log Driving and Boom Co., Campbellton.
E. A. Shores Windsor, Ont.	593	1892 Wood Sheboygan, Ont.	Freight.	Ambertsburg, Ont. 19-1-16	J. D. W. E.	Not issued.	Screw. 69-8	Lake Erie and Detroit river.	Mullens Coal Co., Windsor, Ont.
E. B. Osler 12977 Toronto.	6,787 4,561	1908 Steel Bridgeburg, Ont.	Freight and pass.	Port McNeill, 19-4-17 23-4-17	G. M. A. S. D. A.	2-5-17 25-4-18	Screw. 203 6	Inland all lakes and rivers.	Canada S. S. Lines, Montreal, P. Q.
E. C. Osgel 120643 Port Dover.	26	1874 Wood Grand Haven, Mich.	Fishing boat.	Port Dover, Ont. 28-7-17	J. B. S.	30-7-17 28-7-17	Screw. 3-3	Lake Erie.	H. W. Ainsley, Port Dover, Ont.
E. H. Bronson 103445 Ottawa.	285 180	1865 Steel Pembroke, Ont.	Tug.	Pembroke, Ont. 23-5-17	J. E. L.	31-5-17 23-5-18	Paddle. 69	Pembroke and Des Jonchemins.	Upper Ottawa Improvement Co., Ottawa.
E. W. Tobin (Not registered)		1914 Wood Garthby.	Tug.	Lake Aylmer, Garthby, P. Q. 18-7-17	J. A. S.	30-7-17 18-7-18	Screw. 3-3	Lake Aylmer.	Brompton Pulp and Paper Co., East Angus.
E. Ross. 190883 St. John, N.B.	30	1894 Wood St. John, N.B.	Ferry.	St. John, N.B. 19-10-17 19-10-17	C. E. D. W. R. B.	23-10-17 19-10-18	Screw. 7-3	Indiantown to Pleasant Pt.	James Leonard, St. John, N.B.
Earl 94906 New Westminster	71 41	1890 Wood Van- couver.	Tug.	Victoria, B. C. 11-4-17	W. J. C.	12-4-17 10-4-18	Screw. 20	Vanconver, B. C. and Straits of Georgia.	Victoria Transportation Co., Ltd., Victoria.
Eastern Passage. 131262 Liverpool, N.S.	36 17	1913 Wood Liverpool, N.S.	Tug.	Halifax, N.S. 20-9-17	N. A. C.	20-9-17 20-9-18	Screw. 10-6	Halifax harbour.	N. S. Construc tion Co., Sydney, N. S.
Eastholm. 134971 Vancouver, B.C.	197 118	1913 Wood Vancouver, B.C.	Freight.	Vancouver, B.C. 13-12-17 12-12-17	H. G. R. H. G. R.	13-12-17 8-11-18	Screw. 16	Vancouver, B. C. & Puget Sound.	Lincoln Steamship Co., Ltd., Vancouver.
Easton. 132069 Sunderland, G.B.	1,757 1,129	1912 Steel Sunderland, G.B.	Freight.	Montreal, P. Q. 10-4-17 17-4-17	J. T. G. P. D.	17-4-17 10-4-18	Screw. 106-3	Duluth & Father Point.	Matthews Steamship Co., Ltd., Toronto, Ont.
Eastport. 136912 Lubec, Me.	64 33	1901 Wood Dennysville, Me.	Ferry.	Eastport, Me. 17-7-17 17-7-17	C. E. D. W. R. B.	17-7-17 9-7-18	Screw. 19-5	Passamaquoddy bay.	B. M. Pike, Lubec, Me.
Eastside. 130239 Port Stanley, Ont.	50 61	1912 Wood Collingwood, Ont.	Fishing	Port Stanley, Ont. 15-10-17	J. B. S.	23-10-17 15-10-18	Screw. 13-5	Lake Erie.	C. Thorne et al, Port Stanley, Ont.
Ebess. 137326 Chatham, N.B.	16	1915 Wood Chatham, N.B.	Tug.	Chatham, N.B. 24-7-17	C. E. D.	13-9-17 24-7-18	Screw. 16-7	Inside Essequime vil- lage and end of Por- tage Isd.	F. Tweedie, Chatham, N.B.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números oficiales—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Part et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Elenor 97017 St. Catharines, Ont.	26 18	1895 Wood Port Matiland, Ont.	Fishing boat.	Toronto, Ont. 23-3-17	J. B. S.	27-8-17 23-8-18	Screw	Lake Conasting	Steve P. Ahern & Wm. Jos. Howe, et al, Port Dalhousie.
Electric. 92449 Toronto, Ont.	49 29	1899 Composite Toronto.	Pass. 40	Penctang, Ont. 11-8-17	S. D. A.	23-8-17 11-8-18	Screw	Penctang, Honey Hbr. and vicinity	Guidley Boat Co., Ltd., Penctang, Ont.
Electronic 131220 Sydney, N.S.	231 157	1913 Wood Portland, Me.	Pass. 400	Sydney, N.S. 3-9-17 5-9-17	D. J. M. A. McD	16-5-17 20-10-17 12-10-18	Screw 46-8 20-2	Sydney and No. Sydney Lake Erie	Cape Breton Electric Co., Sydney, N.S. C. Thorn, et al. Port Stanley, Ont.
Elgin E. 12937 Port Stanley, Ont.	66 45	1908 Wood Collingwood, Ont.	Fishing tug	Port Stanley, Ont. 12-10-17	J. B. S.	Not issued	Screw	Lake Erie	J. Mossip and G. Gorrell, Port Matiland, Ont.
Ellen V. 130285 St. Catharines.	43 29	1913 Wood Port Matiland.	Fishing boat.	Port Matiland, Ont. 18-7-17	J. B. S.	Not issued	Screw	Lake Erie	J. Mossip and G. Gorrell, Port Matiland, Ont.
Ellison. 133843 Vancouver, B.C.	49 33	1913 Wood Vancouver, B.C.	Tug.	Vancouver, B.C. 26-10-17	H. G. R.	27-10-17 22-10-18	Screw	Vancouver and Strs. of Georgia.	Walkem Tow Boat Co., Ltd. Vancouver.
Eloise 107690 Prescott, Ont.	41 28	1881 Wood Athens, N.Y. 1914 Cornwall, Ont.	Pass. 40	Morrisburg, Ont. 23-6-17 27-6-17	T. P. T. M. R. D.	29-6-17 23-6-18	Screw	Morrisburg Waddington Ont.	Simon Salmon, Morrisburg, Ont.
Elsie. 117012 Vancouver, B.C.	33 22	1908 Wood Vancouver, B.C.	Tug.	Vancouver, B.C. 30-5-17	H. G. R.	31-5-17 22-5-18	Screw	Vancouver and Strs. of Georgia.	Vancouver Timber & Trading Co., Vancouver, B.C.
Elsie Bradford. 100862 Victoria, B.C.	23 10	1893 Wood Victoria, B.C.	Tug and Cannery tender.	Nanaimo, B.C. 22-6-17	W. J. C.	25-6-17 21-6-18	Screw	Nanaimo harbour	A. Bradford, Nanaimo, B.C.
Elsie. 122071 Toronto, Ont.	48 33	1906 Wood Trenton, Ont.	Pass 130. Frt.	Toronto, Ont. 25-9-17 2-7-17	J. B. S. W. B.	24-7-17 25-6-18 7-9-17	Screw 10-6 Paddle	Toronto bay	Margaret A. Clark, Toronto, Ont.
Elsie McDonald. 134591 Pasphebae, P.Q.	54 33	1916 Wood Cross Point, P.Q.	Pass 40	Cross Point P.Q. Campbellton, P.Q. 6-9-17	J. A. S. P. D.	23-7-17 23-7-18	Screw 5-4	Cross Point and Campbellton.	John L. McDonald, Cross Point, P.Q.
Emmerson 116592 Montreal, P.Q.	276 188	1893 Steel Collingwood, Ont.	Tug.	Kingston, Ont. 24-4-17	T. P. T.	28-4-18 1-4-18	Screw 90-8	Lake Erie & Quebec	Montreal Transportation Co., Montreal, P.Q.
Emilia. 131050 Sorel, P.Q.	89 30	1897 Wood Sorel, P.Q.	Tug.	Sorel, P.Q. 14-4-17	F. X. H.	Not issued	Screw	St. Lawrence river	Dept. Marine and Fisheries, Ottawa, Ont.
Emily May. 117083 Collingwood, Ont	30 20	1906 Wood Collingwood, Ont.	Fishing boat.	Killarney, Ont. 20-7-17	G. M. A.	20-8-17 20-7-18	Screw 9-6	Georgian bay	D. Malcolm, Collingwood, Ont.
Emily Stewart. 13458 Toronto, Ont.	104 48	1914 Steel Toronto, Ont.	Pass. tug. 29	Toronto, Ont. 21-4-17 14-5-17	J. D. W. E.	26-5-17 21-4-18	Screw 10-8	Toronto harbour	Glin Osler et al, Toronto, Ont.

9 GEORGE V, A. 1919

SESSIONAL PAPER No. 23

Emerillo Quebec	13 8	1916 Wood Chicoitimi.	Chicoitimi, P.Q.	J. A. S. P. D.	Not issued.	Chicoitimi and St. Al- phonse.	La Cie General du Port de Chicoitimi, P.Q.
Emma E. 130839 Port Arthur, Ont.	19	1910 Wood Collingwood, Ont.	The Pas, Man.	W. J. V.	Not issued.	Saskatchewan rivet.	Finger Lumber Co., The Pas, Man.
Emma L. 116543 Montreal, P.Q.	53	1903 Wood Farrans Pt., Ont.	Sorel, P.Q.	F. X. H.	10-5-17 23-4-18	Montreal harbour.	The Sin-McNaughton Line, Montreal, P.Q.
Emma Mae. 130296 Ottawa, Ont.	57	1910 Wood Kipawa, Que.	Kipawa, Que.	J. E. L.	Not issued.	Lake Kipawa.	John Lumsden, Ottawa, Ont.
Emperor 126654 Midland, Ont.	7,031 4,641	1910 Steel Collingwood, Ont.	Port McNeill, Ont.	G. M. A. S. D. A.	23-4-17 19-4-18	Port Colborne, Ft. Wil- liam and Duluth.	Canada Steamship Co., Montreal, P. Q.
Empress 73086 Montreal, P.Q.	678 372	1886 Iron Ottawa, Ont.	Lachine, Que.	J. E. L. P. D.	19-6-17 15-5-18	Cartillon to Montreal.	Ottawa River Nav. Co.
Empress 107815 Peterboro, Ont.	84 57	1899 Composite Lakelife, Ont.	Lakelife, Ont.	T. P. T. W. E.	23-8-17 10-7-18	Trent Valley canal.	P. F. Young, Youngs Point, Ont.
Empress 116309 Charlottetown, P.E.I.	1,341 612	1906 Steel Newcastle-on-Tyne, G.B.	St. John, N.B.	C. E. D. W. R. B.	23-5-17 23-6-18	Coasting.	Can. Pac. Ry. Co., Mon- treal, P.Q.
Empress of Asia 135226 London.	16,909 8,883	1913 Steel Govan	Vancouver, B.C.	H. G. R.	Not issued	Foreign going.	Canadian Pacific Railway Co., Montreal, P.Q.
Empress of Japan 98911 Vancouver, B.C.	5,940 3,039	1891 Steel Barrow in Furness.	Vancouver, B.C.	A. E. H.	Not issued	Vancouver and Hong Kong.	Can. Pac. Ry. Co., Mon- treal, P.Q.
Empress of Russia 135197 Vancouver, B.C.	16,810 8,789	1913 Steel Govan	Vancouver, B.C.	H. G. R.	Not issued	Foreign going.	Canadian Pacific Ry. Co., Montreal, P.Q.
Enlida 124432 Victoria, B.C.	57 39	1909 Wood Vancouver, B.C.	Vancouver, B.C.	H. G. R. H. G. R.	31-5-17 18-5-18	Vancouver and Indian river.	Harbour Shipping Co., Ltd., Vancouver.
Enola 130808 Vancouver.	26 18	1902 Wood Ballard, Wash.	Vancouver, B.C.	A. F.	Not issued	B. C. coast.	Colonial Lumber & Paper Mills, Ltd., Vancouver, B.C.
Enterprise 122460 Charlottetown, P.E.I.	211 76	1907 Wood Shelburne, N.S.	Pictou, N.S.	N. A. C. A. McD.	9-7-17 3-7-18	Pictou and Montague.	Three Rivers Steamship Co., Montague, P.E.I.
Eric R. 134380 Montreal, P.Q.	47 22	1914 Wood Three Rivers, P.Q.	Sorel, P.Q.	F. X. H.	27-9-17 25-9-18	Three Rivers harbour.	The Wayagamack Pulp & Paper Co., Three Rivers, P.Q.
Erin 117194 Kenora, Ont.	14 9	1905 Wood Port Frances, Ont.	Rainy River, Ont.	W. J. V.	31-8-17 27-8-18	Rainy River & Lake of the Woods.	Geo. Brownlee, Rainy River, Ont.
Erin 121761 N. Vancouver, B.C.	135 91	1889 Wood Port Blakely.	N. Vancouver, B.C.	A. F.	25-9-17 4-9-18	Vancouver and Straits of Georgia.	Achates Tow Boat Co., Vancouver, B.C.
Eril Boss 137892 Toronto, Ont.	118 65	1914 Wood Wallaceburg, Ont.	Port Burwell, Ont.	J. B. S.	8-12-17 30-9-18	Lake Erie.	Jas. Albert, Henning, Port Burwell, Ont.
Earl King 126270 Toronto, Ont.	45 24	1909 Steel frame Toronto, Ont.	Toronto, Ont.	J. B. S.	28-6-17 26-6-18	Toronto bay and Lake Ontario.	John E. Russell, Toronto, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Ports officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivré—Expiration.	Propulsion—N. H. P. Propulsion—N. ou H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Erniee 125367 Peterboro, Ont.	9	Wood Unknown.	Tug.	Frankford, Ont. 27-5-17	P. P. T.	31-5-17 29-5-18	Screw.	Trent canal	Brown, J. Almyer, Campbellford, Ont.
Ernaud Boy 130838 Victoria, B.C.	12	1902 Wood Bonners Ferry, U.S.A.	Tug.	Nelson, B.C. 21-5-17	W. J. C.	29-5-17 20-5-18	Screw. 21	Kootenay lake.	W. W. West, Nelson, B.C.
Escaut 97010 St. Catharines, Ont.	40	1894 Wood Port Robinson.	Tug.	Port Dalhousie 23-8-17	J. B. S.	4-9-17 23-8-18	Screw. 112	Welland canal.	Welland Canal Tug Co., Ltd., Port Colborne, Ont.
Escoumins 129000 Quebec, P.Q.	104	1908 Wood Escoumins, P.Q.	Tug.	Les Escoumins, P.Q. 22-10-17	J. A. S.	26-10-17 22-10-18	Screw. 167	Montreal and Escoumins.	J. A. Mercier, Les Escoumins, P.Q.
Esquimaux 134650 Victoria, B.C.	1,373	1917 Wood Victoria, B.C.	Freight.	Victoria, B.C. 31-7-17	W. J. C. W. J. C.	31-7-17 30-7-18	Twin screw.	Canadian and foreign ports.	Canada West Coast Nav. Co., Vancouver, B.C.
Estevan 131136 Ottawa, Ont.	1,161	1912 Steel. 606 Collingwood, Ont.	Pass.	Victoria, B.C. 14-11-17 19-11-17	W. J. C. W. J. C.	24-4-17 14-11-18	Twin screw. 174	Coastwise.	Minister of Marine and Fisheries, Ottawa.
Essex 211553 Detroit, Mich.	266	1913 Steel. 181 Toledo, Ohio.	Ferry.	Walkerville, Ont. 6-6-17	J. D.	16-6-17 3-5-18	Screw. 26-1	Detroit and Walkerville.	Detroit and Walkerville Ferry Co., Detroit Mich.
Ethel. 106332 Montreal, Que.	72	1895 Steel. 49 Sorel, P.Q.	Tug.	Sorel, P.Q. 1-5-17	F. X. H.	21-5-17 1-5-18	Screw. 51-6	Montreal harbour.	Sin-McNaughton Line, Montreal.
Ethyl Reid 112334 Collingwood, Ont.	36	1904 Wood 25 Collingwood, Ont.	Fishing tug.	Killarney, Ont. 20-7-17	G. M. A.	20-8-17 20-7-18	Screw. 10-6	Georgian bay.	W. A. Clark, Collingwood, Ont.
Etoile 77874 Quebec, Que.	591	1879 Composite. 317 Sorel, P.Q.	Freight. Pass. 500 Ex.	Quebec, Que. 24-4-17 15-5-17	J. A. S. P. D.	22-6-17 24-4-18	Pd. 30	Montreal and Ste. Anne.	F. Boisvert, St. Croix, P.Q.
Elna White 64154 Vancouver, B.C.	111	1871 Wood Freeport, U.S.	Tug.	Vancouver, B.C. 15-21-18	A. E. H.	19-2-18 14-2-19	Screw. 36-3	Vancouver & points on Straits of Georgia.	J. D. McNeill et al, Vancouver, B.C.
Eu Jennie 116367 Goderich, Ont.	22	1905 Wood Goderich, Ont.	Fishing boat.	Little Current, 16-7-17	G. M. A.	31-7-17 16-7-18	Screw. 8-4	Killarney & Sault Ste. Marie, N. Channel.	Jno. Lapointe, Sault Ste. Marie, Ont.
Euphemia 112054 St. Catharines, Ont.	29	1903 Wood Port Dalhousie, Ont.	Tug.	Lauzon, P.Q. 26-4-17	J. A. S.	27-4-17 26-4-18	Screw. 13-5	Quebec harbour.	M. P. and J. T. Davis.
Eureka 93940 Quebec, Que.	170	1893 Steel. 19 Glasgow, G.B.	Pilot boat tender.	Quebec, Que. 30-4-17 4-9-17	J. A. S.	Not issued.	Screw. 60-1	Father Point.	Dept. Marine and Fisheries, Ottawa.
Eva 96991 Vancouver, B.C.	34	1891 Wood. New Westminster.	Tug.	Vancouver, B.C. 12-7-17	A. E. H.	12-7-17 11-7-18	Screw. 11-8	Vancouver, B. C. and Straits of Georgia.	Eugène McMullin, Vancouver, B.C.

SESSIONAL PAPER No. 23

Eva Johnson 80706 St. John, N.B.	16 1887 Wood 7 Yarmouth, N.S.	Tug.	St. John, N.B. 21-5-17	C. E. D.	5-6-17 21-5-18	Screw.	Inside Musquash and C. Spencer.	Hld. Martin Carrier, Oromocto, N.B.
Everard 107487 Sault Ste. Marie.	25 1900 Wood 17 Gore Bay, Ont.	Fishing boat.	Kagawong, Ont. 23-7-17	G. M. A.	7-8-17 23-7-18	Screw.	Sheltered waters Kagawong.	off M. R. W. and G. Graham, Kagawong, Ont.
Ewayea 131004 St. John, N.B.	15 1912 Wood 10 St. John, N.B.	Yaelt.	St. John, N.B. 9-6-17	C. E. D.	18-6-17 9-6-18	Screw.	Inside Musquash & C. Spencer.	Hld. J. F. Williamson, St. John, N.B.
F. Dupre 116563 Montreal, P.Q.	114 1904 Steel 70 Sorel, P.Q.	Tug.	Sorel, P.Q. 4-5-17	F. X. H.	21-5-17 4-5-18	Screw.	Montreal harbour.	Sin-McNaughton Line, Montreal, P.Q.
F. Paul 126150 Sorel, P.Q.	13 1908 Wood 13 Sorel, P.Q.	Tug.	Sorel, P.Q. 26-4-17	F. X. H.	21-5-17 26-4-18	Screw.	Montreal harbour and canal.	A. Desrosiers, Sorel, P.Q.
F. B. Stevens 134517 Sarnia, Ont.	516 1867 Wood 289 Buffalo, N.Y.	Freight	Port Huron 10-10-17	J. D. J. D.	19-10-17 10-10-18	Screw.	Point Iroquois and Father Point.	American Transit Co., Sar- nia, Ont.
F. N. McCrea 126122 Kingston, Ont.	19 Wood 10	Tug.	Lake Aylmer, P.Q. 18-7-17	J. A. S.	Not issued.	Screw.	Lake Aylmer.	Brompton Pulp & Paper Co., East Angus.
Fred. J. M. Paint 111791 Port Hawkesbury N.S.	88 1903 Wood 39 Port Hawkesbury, N.S.	Tug.	Clatham, N.B. 25-6-17	C. E. D.	28-6-17	Screw.	Coasting, N.B., and Ba- thurst harbour.	Northern Dredging Co., Loggieville, N.B.
F. W. Avery 103639 Ottawa, Ont.	14 1895 Wood 9 Simcoe, Ont.	Warptug.	Hawkesbury, Ont. 30-8-16	J. T. G.	25-6-18	Puddle.	Ottawa river.	Riordan P. & P. Co., Ot- tawa, Ont.
F. W. Grant 134262 Midland, Ont.	119 1914 Steel 45 Midland, Ont.	Tug.	Port Arthur, Ont. 13-9-12	W. J. V.	18-9-17 13-9-18	Screw.	Thunder bay.	Canadian Dredging Co., Midland, Ont.
F. W. Roebling 113782 Halifax, N.S.	162 1890 Wood 75 Milford, U.S.S.	Tug.	Dartmouth, N.S. (1st Insp.) 30-11-17 (2nd Insp.) 30-3-18 Halifax 1-12-17	D. M. A. N. A. C. A. Med. J. B. S. W. E.	30-3-18 30-3-19	Screw.	Halifax and coastwise	F. W. Roebling Co., Ltd., Halifax, N.S.
Fairfax 119966 Picton, Ont.	1-367 1890 Wood 1-919 Grand Haven, Mich.	Freight.	Toronto, Ont. 7-4-17 19-4-17		7-5-17 9-4-18	Screw.	Lake Erie and Quebec	Canada S.S. Lines Ltd., Mon- treal, P.Q.
Fairy 80764 Sydney, N.S.	16 1881 Wood 9 Quebec, P.Q.	Water boat.	Sydney, N.S. 4-3-17	D. J. M.	16-5-17 4-5-18	Screw.	Sydney harbour.	G. M. Fraser, Edwardsville, N.S.
Fannie 90943 St. John, N.B.	34 1875 Wood 23 Philadelphia, 1906, Reault, St. John, N.B.	Tug.	St. John, N.B. 19-5-17	C. E. D.	5-6-17 19-5-18	Screw.	Inside Musquash & C. Spencer.	Hld. J. F. Bridges Tug Boat Co., Gagetown, N.B.
Fanny Arnold 85322 Owen Sound, Ont.	73 1882 Wood 50 Owen Sound, Ont. 1911, Gouffle, Winton, Ont.	Tug and Pass.	Cutler, Ont. 19-9-17	G. M. A. S. D. A.	10-9-17 27-8-18	Screw.	North Channel.	B. W. Arnold, Albany, N.Y.
Furcular 126206 Vancouver, B.C.	79 1908 Wood 49 Vancouver, B.C.	Tug.	Marsh Mills 27-8-17	A. E. H.	9-8-17 1-8-18	Screw.	Vancouver and Powell River.	Kingcome Nav. Co., Van- couver, B.C.
Faultless 122197 New Westminster	145 1908 Wood 95 New Westminster...	Tug.	Vancouver, B.C. 1-3-17 18-2-18	H. C. R. A. E. H.	19-2-18 17-2-19	Screw.	Vancouver and straits of Georgia.	Westminster Towing and Fishing Co., New West minster.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Ports officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Antée et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate Issued—Expres. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Fearful 130494 New Westminster.	80 42	1912 Wood. Fraser Mills, B.C.	Tug.	Vancouver, B.C. 1st inspection. 18-6-17 2nd inspection. 25-3-18 New Westminster. 12-6-17	H. G. R. H. G. R. H. G. R.	26-3-18 24-3-19 14-6-17	Screw 28-2	Vancouver and Straits of Georgia.	Canadian Tug Boat Co. Vancouver, B.C.
Fearless 107247 New Westminster.	53 36	1893 Wood. New Westminster.	Tug.	Quebec, P.Q. 19-4-17	J. A. S.	30-4-17 19-4-18	Screw 54	Fraser river and straits of Georgia.	Joseph Mayers, New Westminster, B.C.
Felicia D. 134358 Montreal, P.Q.	161 89	1914 Steel. Sorel, P.Q.	Tug.	Quebec, P.Q. 19-4-17	J. A. S.	30-4-17 19-4-18	Screw 54	Quebec & St. Lawrence	Sin-McNaughton Line, Montreal, P.Q.
Flamingo 91527 Yarmouth.	266 125	1885 Steel. Hull, G.B.	Fishing boat.	Vancouver, B.C. 9-2-18	H. G. R.	9-2-18 24-1-19	Screw 81-6	Vancouver and Coasting, B.C.	Canadian Fishing Co., Vancouver, B.C.
Florence. 89072 Ottawa, Ont.	62 24	1881 Wood. Roekland, Ont.	Tug.	Hull, Que. 19-4-17	J. E. L.	23-4-17 19-4-18	Screw 34-7	Ottawa and Montreal.	Ottawa Transportation Co., Ottawa, Ont.
Florence. 88309 Montreal, P.Q.	113 36	1885 Wood. Levis, P.Q.	Tug.	Trenton 19-4-17	T. P. T.	30-4-17 1-4-18	Screw 54	Laake Erie & Father Pt.	Canada Shipping Co., Montreal, P.Q.
Florence J. Graham 122916 Goderich, Ont.	38 26	Wood. Goderich, Ont.	Fish. tug.	Goderich, Ont. 30-8-17	J. D.	6-9-17 30-8-18	Screw 30-8-18	Laake Huron.	John Andrew Graham, Goderich, Ont.
Florzel 125957 Liverpool, G. B.	3,081 1,980	1909 Steel. Glasgow, G.B.	Pass. 220	New York, U.S.A. 5-11-17 Hullfax. 10-11-17	N. A. C. A. McD.	5-11-17 5-11-18	Screw 217-4	Foreign and Canadian.	N. Y. Newfoundland and Halifax S. S. Co., Liverpool, G.B.
Flushing. 90751 St. John, N.B.	178 121	1882 Wood. St. John, N.B.	Tug.	St. John, N.B. 14-4-17	C. E. D.	4-5-17 14-4-18	Screw 61-1	St. John river.	D. Glasier and Son, St. John, N.B.
Flyer 107712 New Westminster, B.C.	37 45	1899 Wood. Vancouver, B.C.	Tug.	New Westminster. 80-5-17	H. G. R.	31-5-17 29-5-18	Screw 13-5	Fraser river.	Monarch Towing and Trading Co., New Westminster, B.C.
Forager 116412 Victoria, B.C.	90 57	1904 Wood. Victoria, B.C.	Freight.	Victoria, B.C. 12-3-18	B. M.	14-3-18 11-3-19	Screw 13-3	Victoria-Vancouver and Puget Sound ports.	Forager Trans. Co., Ltd., Victoria, B.C.
Forest City 113897 St. Johns, Nfld.	571 449	1891 Steel. Wilmington, Del.	Pass. 416	Port Arthur. 27-6-17 24-7-17	W. J. V. W. J. V.	30-7-17 24-9-17	Paddle 48	Port Arthur and Silver Islet.	Silver Islet Nav. Co., Fort William.
Fort Langley 130877 New Westminster.	34 23	1913 Wood. Vancouver, B.C.	Pass. 40	New Westminster. 29-6-17	A. E. H. A. E. H.	30-6-17 18-6-18	Screw 4	New Westminster and Ruskin.	Brown, Headley and Stalker New Westminster.
Fort McMurray 134605 Winnipeg intended.	661 397	1915 Composite. Fort McMurray.	Freight and Pass. 40	Vermilion Chutes, N.W.T. 6-6-17 6-6-17	J. T. M. J. T. M.	6-6-17 6-6-18	Sternwheel 9-6	Vermilion Chutes to Fort McMurray.	Hudson's Bay Co., London, Eng.

SESSIONAL PAPER No. 23

Frances Martin, 12651 Midland, Ont.	27	1909 Wood	Tug.	Penetang, Ont.	G. M. A.	28-9-17 25-9-18	Screw.....	3-3	Penetang and Parry Sound, inside channel.	Wm. Martin, Penetang, Ont.
Francis Cutting, 12687 Vancouver, B.C.	91	1887 Wood	Tug.	Vancouver, B.C.	H. G. R.	28-2-18 15-2-19	Screw.....	14-3	Vancouver and Straits of Georgia.	Pulp & Paper Mills, Ltd., Vancouver, B.C.
Francis Idaho, 130816 Vancouver, B.C.	14	1911 Wood	Tug.	New Westminster.	H. G. R.	8-3-18 17-2-19	Screw.....	6-5	Fraser river and New Westminster.	A. Gill et al, Vancouver, B.C.
Francis C. 126451 Sorel, P.Q.	136	1909 Steel	Perry	Sorel, P.Q.	F. X. H. P. D.	30-4-17 16-4-17 16-4-16	Screw.....	13-5	Sorel and Berthier.....	François Crépéau, Sorel, P.Q.
Frank B. Stevens 134517 Sarnia, Ont.	516	1867 Wood	Freight	Pt. Huron, Ont.	W. E.	17-10-17 13-10-18	Screw.....	47-1	Point Iroquois and Father Pt.	American Transit Co., Ltd., Sarnia, Ont.
Frank G. McAnley 1071 Saugeen, Ont.	43	1898 Wood	Fishing boat.	Port Stanley, Ont.	J. B. S.	25-10-17 12-10-17	Screw.....	18-7	Lake Erie.....	N. S. Cornell, Port Stanley, Ont.
Frank H. Stanley 130258 Port Stanley, Ont	29	1912 Wood	Fishing boat.	Port Stanley, Ont.	J. B. S.	20-10-17 13-10-18	Screw.....	10-6	Lake Erie.....	Moore and Stanton, Port Stanley, Ont.
Frank Marshall 12083 Kenora, Ont.	40	1903 Wood	Tug.	Dryden, Ont.	W. J. V.	29-10-17 8-10-18	Screw.....	13-5	Lake Wabigoon.....	Dryden Lumber and Power Co., Dryden, Ont.
Frank Perew 70257 Montreal, P.Q.	23	1867 Wood	Tug.	Montreal, P.Q.	J. T. G.	7-5-17 26-4-18	Screw.....	15-4	Montreal hbr. and canal.	Railways and Canals Dept., Ottawa.
Frankie H. 116225 Quebec, P.Q.	17	1903 Wood	Tug.	Restigouche	J. A. S.	3-7-17 23-7-18	Screw.....	14-1	Restigouche river.....	Chalour Bay Mills, C. Point.
Fraserville 116715 Quebec.	51	1904 Steel	Tug.	Quebec, P.Q.	J. A. S.	1-5-17	Screw.....	16-6	Quebec harbour La Cie. P.Q.	Sable Union Ltd., Quebec, P.Q.
Fred A. Lee 134379 Sault Ste. Marie, Ont.	62	1886 Wood	Tug.	Sault Ste. Marie, Ont.	G. M. A.	Not issued.	Screw.....	14	St. Marys river.....	S. L. Penlorwood, Sault Ste. Marie, Ont.
Freddie V. 80261 Yarmouth, N.S.	26	1881 Wood	Fishing boat.	Yarmouth, N.S.	N. A. C.	10-5-17 5-5-18	Screw.....	13-5	Coasting.....	H. J. Garrison, St. John, N.B.
Fredericton 13137 Ottawa, Ont.	109	1913 Steel	Tug.	Shiipogan, N.B.	C. E. D.	20-9-17 18-9-18	Screw.....	27-3	Coasting.....	Public Works Dept., Ottawa, Ont.
Fred Glasgow 103260 St. John, N.B.	7	1896 Wood	Tug.	St. John, N.B.	C. E. D.	28-5-17 25-4-18	Screw.....	6	Inside Musquash Hbr. and C. Spencer.	P. Glasier, Lincoln, N.B.
Frederick 112301 Winnipeg, Man.	36	1901 Wood	Tug.	Port Frances	W. J. V.	31-8-17 28-8-18	Screw.....	10-6	Rainy River and Rainy Lake.	Shewlin Clark Lumber Co., Port Frances.
Freno. 133750 Vancouver, B.C.	94	Wood	Tug.	Vancouver, B.C.	A. E. H.	6-3-18 28-2-19	Screw.....	24	Vancouver and Points on Straits of Georgia.	Alfred Wallace, North Van- couver, B.C.
Friday (not registered), Winnipeg, S.	39	1911 Wood	Dredge Tender	Selkirk, Man.	W. J. V.	28-5-17 17-5-18	Screw.....	4-8	Red river.....	Dept. of Public Works, Ottawa, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate Issued—Expire. Certificat—Délivrance—Expiration.	Propulsion—N.I.P. Propulsion—N. en I.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Frontenac..... 107608 Quebec, P.Q.	1899 Steel. Levis, P.Q.	Ferry..... 550	Quebec, P.Q. 17-4-17 23-4-17	J. A. S. P. D.	27-4-17 17-4-18	Screw..... 41-6	Quebec and Isle of Orleans.	La Cie Maritime Industrielle de Levis, P.Q.
Frontenac..... 11707 Kingston, Ont.	1901 Wood. Garden Isd., Ont. 1913 Rebuilt. Garden Island.	Tug.....	Portsmouth, Ont. 25-9-17	T. P. T.	Not issued.	Screw..... 17-3	Montreal and Quebec.	Jno. Donnelly, Kingston, Ont.
Frontenac..... 133909 Sorel, P.Q.	1901 Composite. Sorel, P.Q.	Tug.....	Sorel, P.Q. 7-1-17 1-1-17	F. X. H.	Not issued.	Twin screw..... 63	Montreal and Quebec.	Dept. of Marine and Fisheries, Ottawa.
G. B. Greene..... 103852 Ottawa, Ont.	1896 Steel 1917. Queen, Que.	Pass. Tug..... 370	Queen, Que. 6-7-17 13-7-17	P. D. J. E. L. P. D.	23-7-17 6-7-18	Paddle..... 34-1	Lake Deschênes.	Upper Ottawa Improvement Co., Ottawa.
G. D. Hunter..... 66912 St. John, N.B.	1873 Wood. St. John, N.B. 1901 Rebuilt. St. John, N.B.	Tug.....	St. John, N.B. 13-4-17	C. E. D.	21-4-17 13-4-18	Screw..... 20	Inside C. Spenser and Munsquash Htd.	Miss A. F. Gregory, St. John, N.B.
G. E. Foster..... 134744 Grimsby, Eng.	1912 Steel. Selby, Eng.	Fishing boat.	Prince Rupert. 18-9-17 18-5-17 2nd inspection— 8-1-18 28-2-18	A. E. H. A. E. H.	Not issued.	Screw..... 58	Prince Rupert & Class in Coasting, B.C.	Alfin Construction Co., Victoria, B.C.
G. H. Harris..... 85353 Ottawa, Ont.	1882 Wood. Hull, Que.	Tug.....	Hull, Que. 19-4-17	A. F. J. E. L.	23-4-17 19-4-18	Screw..... 37	Ottawa and Montreal.	Ottawa Transportation Co., Ottawa.
G. H. Noffer..... 130935 Montreal, Que.	1882 Wood. Hull, P.Q. 1912 Rebuilt. Greenville, P.Q.) 1897 Wood. 31 Gondola Pt. 1908 Rebuilt. St. John, N.B.	Tug.....	Ottawa, Ont. 19-4-17	J. E. L.	8-9-17 19-4-18	Screw..... 4-8	Ottawa harbour.	W. C. Edwards Co., Ottawa, Ont.
G. M. Stearns..... 134330 Chatham, N.B.	1914 Wood. Chatham, N.B.	Tug.....	St. John, N.B. 27-8-17	C. E. D.	28-8-17 27-8-18	Screw..... 15-5	Coasting.	Mrs. C. A. Waring, St. John, N.B.
G. R. Crowe..... 123324 Toronto, Ont.	1907 Steel. Dunee, G. B. 1910 Rebuilt. Collingwood, Ont.	Freight	Halifax, N.S. 24-4-17 26-6-17	C. E. D. N. A. C. A. McD.	30-7-17 25-7-18	Screw..... 16-7	Essex-Esquinnae village and north end of Portage Isd.	J. W. Brankley, Chatham, N.B.
G. R. Geary..... 130313 Toronto, Ont.	1912 Steel. Toronto, Ont.	Tug. Pass. 60	Toronto, Ont. 17-8-17 1-9-17	J. B. S. W. E.	17-9-17 1-9-18	Screw..... 8-5	Toronto bay & Coasting.	Monteyama Transportation Co., Ltd. Toronto, Corporation of the City of Toronto, Ont.

SESSIONAL PAPER No. 23

G. R. Gray, 134620 Sault Ste. Marie	268 121	1917 Wood Collingwood, Ont.	Freight.....	Collingwood 19-6-17	G.M.A.	22-6-17	Screw.....	All lakes and Rivers...	Lake Superior Paper Co., Ltd., Sault Ste. Marie.
G. S. Mayes, 133756 St. John, N.B.	110 75	1913 Wood St. John, N.B.	Tug. Pass. 15	Halifax, N.S. 23-10-17	S.D.A. J. D. M. A. McD.	22-6-17 25-10-7 25-10-18	Screw.....	Coasting.....	Beaver Dredging Co. St. John, N.B.
Gaetan, 133829 Montreal, P.Q.	22 12	1913 Wood Greenville, P.Q.	Tug.....	Montreal, P.Q. 21-6-17	J. T. G.	Not issued.	Screw.....	Grenville & Ia Rouge..	George Dansereau, Green- ville, P.Q.
Gale Staple, 134518 Sarnia	2,167 1,293	1888 Wood Marine City, Mich.	Freight.....	Port Arthur 4-8 5-9-17	W. J. V. W. J. V.	10-9-17 5-9-18	Screw.....	Duluth & Port Colborne	John R. Smith, Fort Wil- liam.
Gambler, 126642 Port Dover, Ont.	25 17	1909 Wood Port Dover, Ont.	Fishing tug.	Port Dover, Ont. 13-11-17	J. B. S.	15-11-17 13-11-18	Screw.....	Lake Erie.....	H. W. Ainsley, Port Dover, Ont.
Garland, 85619 Detroit, Mich.	248 172	1880 Wood Detroit, Mich.	Ferry pass. 700	Detroit..... 9-5-17	J. D. W. E.	16-6-17 12-4-18	Screw.....	Windsor and Vicinity...	Detroit and Windsor Ferry Co., Detroit.
Garry, 134253 Winnipeg, Man.	120 81	1914 Wood Selkirk, Man.	Fish. tug 15	Windsor, Ont. 13-6-17	W. J. V.	29-5-17 22-5-18	Screw.....	Selkirk & Poplar Point.	Northwest Nav. Co., Sel- kirk, Man.
Gaspasian, 70228 Quebec	490 3	1874 Iron Newcastle, Eng. 1907, 11 repaired. 1911 Wood Verlun, P.Q.	Pass. 32 freight	Quebec..... 9-4-17 14-4-17	J. A. S. P. D. J. A. S.	14-4-17 9-4-18	Screw.....	Montreal and Bay de Chaleur.	The Gaspé & Baie des Cha- leurs S.S. Co., Ltd., Quebec
Gem, 103684 Toronto, Ont.	35 24	1897 Wood Port Sydney, Ont. 1912 Rebuilt.	Pass..... 40	Port Sydney, Ont. 2-8-17	S. D. A.	3-8-17 2-8-18	Screw.....	Port Sydney & Itunss- ville.	A. S. Smith, Port Sydney, Ont.
General Weitzel, 107482 Sault Ste. Marie, Ont.	32 23	1881 Wood Buffalo, N.Y. 1914 Rebuilt. Wood.	Tug.....	Sault Ste. Marie, 12-5-17	G.M.A.	12-5-17 12-5-18	Screw.....	St. Marys river, Thies- sahon.	E. Owen, Sault Ste. Marie. Ont.
Gasoline Geneva, 116966 St. Andrews, N.B.	14 6	1904 Wood Belast, Me.	Pass.....	St. John, N.B. 9-6-17	C. E. D.	18-7-17 9-6-18	Twin screw.....	St. John river & Trib... N.B.	Cobwell Bros., St. John, N.B.
Geneva 117071 Toronto, Ont.	92 58	1905 Composite Orillia, Ont.	Pass..... 215	Peterboro, Ont. 2-8-17	W. R. B. T. P. T. W. F.	25-8-18 10-7-18	Screw.....	Trent Valley canal.....	W. Thomson, Orillia, Ont.
Geo. H. Jones, 130221 Owen Sound.	71 48	1910 Wood Owen Sound.	Tug.....	Owen Sound 2-5-17	G.M.A.	Not issued.	Screw.....	Georgian Bay.....	A. W. Hopps & J. D. Hoytt
Geo. W. Smith, 131014 Quebec	25 14	1903 Composite. Levis.	Tug.....	Val. Brillante, 28-8-17	I. A. S.	10-9-17 10-10-17	Screw.....	Lake Matapedia.....	J. Henderson Co., Sorebec.
George A. Graham, 131051 Port Arthur.	2,410 1,498	1891 Steel Chicago, Ill.	Freight.....	Port William, Ont. 26-5-17	W. J. V. S. D. A.	31-5-17 26-5-18	Screw.....	Port Colborne and Duluth.	Montreal Transportation Co., Montreal, P.Q.
George Rothwell, 133933 Ottawa, Ont.	42 71	1913 Wood Buckingham, Que.	Pass. frt. 40	Buckingham, P.Q. 20-8-17	T. G. P. D.	27-8-18 20-8-18	Screw.....	Buckingham to High Falls.	Lievre River Nav. Co., Buckingham, P.Q.
George Emmerson, 122437 Sault Ste. Marie	32 21	1888 Wood Buffalo, N.Y. 1916 rebuilt, S. Ste-Marie	Tug.....	Sault Ste. Marie, 12-5-17	G. M. A.	6-6-17 12-5-18	Screw.....	Thessalon to Goulais bay	The Lake Superior Paper Co., Ltd.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Part of Registry. Noms des navires—Numéros officiels—Parts d'enregistrement.	Where and when Built—Material. Amée et lieu de construction—Matériau de la coque.	Tonnage.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. on H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
George D. Morrison 11197 Southampton, Ont.	1905 Wood Kincairdine, Ont.	23	Fishing boat.	Port Stanley, Ont. 12-9-17	J. B. S.	Not issued.	Screw 3-08	Lake Erie.	Wm. Morrison, Kincairdine, Ont.
George F. Finer 116411 Victoria, B.C.	1904 Wood Nakusp, B.C.	70	Tug.	Arrowhead, B.C. 21-5-17	W. J. C.	30-5-17 23-5-18	Screw 16-7	Arrowlakes.	Bowman Lumber Co., Comatlin, B.C.
George W. Cuyler 111809 Sault Ste. Marie.	1880 Wood West Bay City, 1910 Rebuild. West Bay City.	56 38	Tug.	Little Current, Ont. 16-7-17	G. M. A.	Not issued.	Screw 6-5	Beaverstone & Sault Ste. Marie, North channel.	B. H. Turner, Little Current, Ont.
Georges William Chicoutimi	1913 Wood Escoumamin.	52 26	Tug.	Chicoutimi Basin 11-8-17	H. A. S.	Not issued.	Screw 19-9	Saguenay River.	J. Tremblay & A. Chico.
Geraldine Wolvin 138351 Vancouver.	1917 Wood N. Vancouver.	1,472	Freight.	Vancouver. 19-5-17	H. G. R.	19-5-17 17-5-18	Twin screw 18	Foreign going Trade.	Canadian W. Coast Nav. Co. Vancouver, B.C.
Germania 131310 Liverpool.	1903 Steel Christiana, Nor.	106	Tug.	Vancouver, B.C. 21-9-17	H. G. R.	26-9-17 12-9-18	Screw 30-4	Port Mann and Patricia Bay.	The Victoria Whaling Co., Toronto, Ont.
Ginsey 122074 Toronto, Ont.	1906 Wood Toronto, Ont.	35 24	Tug.	Charlton, Ont. 27-5-17	J. E. L.	Not issued.	Screw 2-4	Long lake.	Dominique Legault, Charlton, Ont.
Ginzy 112386 Toronto.	1902 Composite Toronto.	12 8	Yacht.	Killarney 19-7-17	G. M. A.	19-7-17 19-7-18	Screw	Collins Inlet & Vicinity.	Collins Inlet Lumber Co., Toronto.
Gladiator 61393 Sydney, N.S.	1864 Wood Brooklyn, N.Y. 1892 Rebuild. Sydney, N.S.	70 37	Pass. tug. 100 hbr.	Dartmouth, N.S. 7-11-17 28-11-17	D. J. M. A. Me D.	28-11-17 17-11-18	Screw 27-8	Coasting and Halifax harbour.	Gladiator Company, Hali- fax.
Gladys 107722 Vancouver, B.C.	1899 Wood Jersey City, U.S.A.	9 6	Tug.	Atlin, B.C. 13-6-17	A. F.	19-6-17 18-6-18	Screw 4-1	Atlin lake.	Inland Trading Co., Vie- toria, B.C.
Gleauer 107526 Victoria, B.C.	1899 Wood Bennet lake.	241 149	Pass. frt. 100	Careross, T. T. 21-7-17 21-7-17	A. F. A. F.	21-7-17 20-7-18	Stern wheel 8	Careross and Taku Lake.	British Yukon Nav., Ltd., Victoria, B.C.
Glesford 130876 New Westminster, B.C.	1913 Wood Vancouver, B.C.	88 44	Tug.	Vancouver, B. C. 4-3-18	H. E. H.	4-3-18 1-3-19	Screw 22-5	Vancouver and Straits of Georgia.	Canadian Tug boat Co. Vancouver.
Glenada 116768 Toronto, Ont.	1905 Wood Magnadawan, Ont.	65 44	Pass. frt. 47	Burks Falls, Ont. 19-7-17 1-8-17	J. T. G. S. D. A.	6-8-17 19-7-18	Screw 10-6	Magnetawan river.	A. A. Agar, Burks Falls, Ont.
Glon Allan 130645 Ottawa, Ont.	1912 Composite. Ottawa, Ont.	276 112	Freight.	Hull, P. Q. 19-4-17 Point Fortune. 10-7-17	J. E. L. P. D.	19-7-17 19-4-18	Screw 20-2	Lake Ontario and St. Lawrence river.	Ottawa Transportation Co., Ottawa, Ont.

SESSIONAL PAPER No. 23

Glenboro 130800 Vancouver, B.C.	74 50 Vancouver, B.C.	1912 Wood Vancouver, B.C.	Tug.....	Vancouver, B.C. 13-2-18	H. G. R.	14-2-18 1-2-19	Screw..... 13-5	Vancouver and Straits of Georgia.	II. Wilbur and J. Speedy, Vancouver, B.C.
Glen Erie 121958 Port Stanley, Ont.	43 29 Port Stanley, Ont.	1909 Wood Port Stanley, Ont.	Fishing tug.	Port Stanley, Ont. 11-9-17	J. B. S.	21-9-17 11-9-18	Screw..... 16-6	Lake Erie	John Price, Port Stanley, Ont.
Glen Finnan 126659 Midland, Ont.	2,406 1,472 Cleveland, Ohio.	1893 Steel Cleveland, Ohio.	Freight.....	Midland, Ont. 13-4-17	G. M. A.	5-5-17	Screw..... 195-4	All lakes and rivers	Great Lakes Trans. Co., Midland, Ont.
Glenlivet 134261 Midland, Ont.	1,869 1,080 Cleveland, Ohio.	1891 Steel Cleveland, Ohio.	Freight.....	Port Stanley 9-4-17	J. B. S.	7-5-17	Screw..... 111-3	All lakes and rivers.	Great Lakes Trans. Co., Midland, Ont.
Glen Jayon 129660 Midland, Ont.	2,759 1,644 West Bay City, Mich.	1893 Steel West Bay City, Mich.	Freight.....	Collingswood, Ont. 12-4-17	W. E.	23-4-17	Screw..... 144-6	Lakes and rivers.	Great Lakes Trans. Co., Midland, Ont.
Glenmount 122408 Montreal, P.Q.	1,957 1,246 Dumbarton, G.B.	1907 Steel Dumbarton, G.B.	Freight.....	Cleveland 6-4-17	G. M. A.	14-4-18	Screw..... 132	Duluth and Port Col- borne.	Montreal Trans. Co., Mon- treal.
Glenosce 134511 Sarnia, Ont.	5,667 3,788 Cleveland, U.S.A.	1908 Steel Cleveland, U.S.A.	Freight.....	Tiffin, Ont. 13-4-17	G. M. A.	23-4-17	Screw..... 180	Port Colborne and Port William.	Great Lakes Trans. Co., Midland.
Glenora 107941 St. Catharines	17 10 Port Erie.	1900 Wood Port Erie.	Fishing tug	Rosspport 20-4-17	T. P. T.	Not issued.	Screw..... 1-8	Jackfish & Nipigon Straits.	Eli Bruley, Rosspport.
Glide 169 Kingston, Ont.	78 37 Kingston, Ont.	1882 Wood Kingston, Ont.	Tug.....	Kingston, Ont. 25-4-17	T. P. T.	28-4-17 1-4-18	Screw..... 32-7	Sheltered waters of Hiver St. Lawrence and Bay of Quinte.	Montreal Trans. Co., Mon- treal, P.Q.
Glide 85368 Ottawa, Ont.	80 59 Ottawa, Ont.	1883 Wood Ottawa, Ont.	Tug.....	Calumet, Que. 23-8-17	J. T. G.	31-8-17 23-8-18	Screw..... 4-8	Hawkesbury and La Rouge.	Wm. Lawlor, Hawkesbury, Ont.
Gasoline Glympse 126123 Kingston, Ont.	9 6 Kingston, Ont.	1908 Wood Kingston, Ont.	Pass. 10.	Sparrow lake 21-8-17	S. D. A.	22-8-17 21-8-18	Screw..... 3-6	Sparrow lake and Severn river.	F. & A. Stanton, Sparrow lake, Ont.
Goldfield 134252 Winnipeg.	56 38 Selkirk.	1912 Wood Selkirk.	Fishing tug	Winnipeg 18-5-17	W. J. V.	28-5-17 18-5-18	Screw..... 13-5	Lake Winnipeg.	Chas. Finlay, Port Stanley.
Gopher 131308 Quebec, P.Q.	198 4 Gaxton, G.B.	1910 Iron Gaxton, G.B.	Tug.....	Halifax, N.S. 19-7-17	D. J. M.	26-7-17	Screw..... 89-8	Coasting and Halifax.	Quebec Salvage & Wrecking Co., Montreal, P.Q.
Gordon Brown 94716 Port Stanley, Ont	33 22 Port Stanley, Ont.	1901 Wood Port Stanley, Ont.	Tug.....	Port Stanley, Ont. 11-9-17	A. McD.	19-7-17 21-9-17	Screw..... 13	Lake Erie.	G. H. Jackson, et al, Port Stanley, Ont.
Governor 204314 New York, N.Y.	5,250 2,401 Camden, N.J.	1907 Steel Camden, N.J.	Freight pass.	Victoria, B.C. 15-3-18	B. M.	18-3-18 12-12-18	Twin screw 479-7	Seattle-Victoria Sun Francisco.	Pacific Coast S.S. Co., New York, N.Y.
Governor Carleton 130631 St. John, N.B.	581 395 Saunderson, R.I.	1907 Wood Saunderson, R.I.	Ferry 502 pass.	St. John, N.B. 5-6-17	C. E. D. W. R. B.	13-7-17 5-6-18	Screw..... 52-8	St. John and St. John west.	City Corporation, St. John, N.B.
Governor Dingley 96483 Bath, Me.	3826 2856 Chester, Pa.	1899 Steel Chester, Pa.	Pass. 812	Boston, Mass. 1-6-17	C. E. D. W. R. B.	7-6-17 6-6-18	Screw..... 254-9	St. John to Boston and coastwise.	Eastern S.S. Co., Boston, Mass.
Grace Dormer 10997 Port Huron, Mich.	66 49 Buffalo, N.Y.	1868 Wood Buffalo, N.Y.	Pass. 170	Port Huron, Mich 18-9-17	J. T. G. W. E.	27-9-17 8-9-18	Screw..... 5-6	Sarnia and Pt. Huron.	Port Huron & Sarnia Ferry Co., Port Huron, Mich.
Graco M 121703 Toronto, Ont.	61 27 Gravenhurst, Ont.	1905 Wood Gravenhurst, Ont.	Tug.....	Gravenhurst, Ont. 29-5-17	J. T. G.	22-6-17 29-5-18	Screw..... 10-6	Muskoka lakes.	Mickle & Dymont, Graven- hurst, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature du Matériau.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Gracie, 116366 Port Arthur, Ont.	41	1906 Wood—Goderich, Ont.	Tug Fishing	Port Arthur, Ont. 3-8-17	W. J. V.	6-8-17 3-8-18	Screw 13-5	Port Arthur and Rossport.	Jno. Maloney, Port Arthur, Ont.
Gracie, B. 116686 Kenora.	20	1904 Wood—Kenora.	Tug.	Fort Francis, 29-8-17	W. J. V.	16-10-17 29-8-18	Screw 1-56	Rainy River & Lake.	Jas. Hart, Fort Francis
Grainer, 126596 Victoria, B.C.	144	1909 Wood—Victoria, B.C.	Freight.	Victoria, B.C. 22-9-17	W. J. G.	21-9-17 21-9-18	Screw 18-8	Victoria and Fraser river	Butler Freight Towing Co., Victoria, B.C.
Grand No. 1, 138879 Vancouver, B.C.	88	1875 Wood—Bath, Maine, U.S.A.	Tow.	Myers, B.C. 5-12-17	A. P.	Not issued.		B.C. Coast, C.T., No. 4	Granby Consol. & Smelt Co.
Grand Island, 207917 Buffalo	121	1910 Steel—Buffalo.	Pass. Ferry.	Grand Isl. Tonawanda 5-7-17	J. B. S.	11-7-17 27-1-17	Twin Screw 15	Niagara River.	Grand Island Ferry Co. Grand Island.
Grand Ligne, 126153 Montreal.	70	1907 Wood—	Tug.	Quebec 1-6-17	J. A. S.	Not issued.	Screw.	Maitland & Father Pt.	Ess. Lemoine, Maitland.
Grand Manan, 130245 Liverpool, N.S.	363	1911 Wood—Liverpool, N.S.	Pass. Frt. 173	St. Stephen, N.B. 21-5-17	G. E. D.	25-5-17	Screw 31-8	Coasting.	Grand Manan S.S. Co., Grand Manan.
Grand Rapids, 112908 Winnipeg, Man.	438	1905 Wood—Selkirk, Man.	Freight.	Selkirk, Man. 22-5-17	W. J. B.	24-5-18		Selkirk and Warren Ldg.	North West Nav. Co., Winnipeg, Man.
Gravesend, 122587 Yarmouth, N.S.	297	1913 rebuilt—Selkirk, Man.	Pass. 90	Selkirk, Man. 22-5-17	W. J. V.	20-5-17 22-5-18	Screw 39-8		
Gravenhurst, 102172 Toronto, Ont.	140	1909 Wood—Shelburne, N.S.	Pass. 12	Annapolis, N.S. 12-4-17	N. A. C.	16-4-17 19-4-18	Screw 24	Annapolis and St. John, N.B. Coasting.	Valley Steamship Co., Grandville Ferry, N.S.
Gravel King, 112195 Chatham.	59	1902 Wood—Chatham.	Tug.	Burks Falls, Ont. 19-7-17	A. McD. J. T. G.	24-7-17 19-7-18	Screw 8-3	Magnetawan river.	A. Agar, Burks Falls, Ont.
Gray, 124395 Workington, U.K.	20	1915 Wood—Workington, U.K.	Sand Sucker	Chatham 20-9-17	J. D.	Not issued.	Screw 4-8	Thames River.	
Great Western, 80576 Windsor, Ont.	707	1909 Steel—Walskerville, Ont.	Freight and passengers 280	Victoria 7-4-17	B. M.	12-4-17 6-4-18	Screw 85	Victoria & Queen Charlotte Isl.	Victoria Whaling Co., Ltd., Toronto.
Guiana, 125003 London, G.B.	1080	1866 Iron—Walskerville, Ont.	Car ferry 287	Windsor, Ont. 6-10-17	J. D.	18-10-17 5-10-18	Paddle 129	Windsor and Detroit	Grand Trunk Ry., Montreal, P.Q.
Gumbold, 130757 Vancouver, B.C.	662	1907 Steel—Sunderland, G.B.	Passenger 152	Windsor, Ont. 11-10-17	W. E.	31-10-17 31-10-18	Screw 252	New York and West Indies.	Canada S.S. Co.
	294	1906 Wood—	Govt. serv.	Victoria, B.C. 1-7-18	N. A. C. A. M.	18-1-18 12-1-19	Screw 10	Victoria Williams Head Quarantine Tonder.	Dept. of Agriculture, Ottawa.

SESSIONAL PAPER No. 23

Gypsy, 11720	Vancouver, B.C.	1905 Wood, Vancouver, B.C.	Vancouver, B.C. 30-1-18	II. G. R.	31-1-18	Screw	5-6	Rock bay and Granito Point.	B. C. Mels, Tug & Barge Co., Ltd., Vancouver, B.C.
H. F. Brownson, 43 of 1870,	Montreal, P.Q.	1870 Wood Montreal, Que. 1899 rebuilt, Kingston, Ont.	Kingston, Ont. 9-5-18	T. P. T.	12-5-17 15-4-18	Twin screw	37-2	Brighton and Montreal sheltered waters.	Montreal Transportation Co., Montreal.
H. M. Pellatt, 114446	Newcastle, G.B.	1903 Steel, Port Glasgow, G.B.	Godrich, Ont. 14-4-17 24-4-17	J. D. W. E.	12-5-17 15-4-18	Screw	163-7	Lakes, &c.	Wm. Peterson, Newcastle-on-Lyne, G. B.
H. N. Jess, 137382	Kingston, Ont.	1868 Wood Kingston, U.S.A. 1917 rebuilt, Kingston, Ont.	Kingston, Ont. 14-4-17 14-4-17 14-4-17	T. P. T. M. R. D.	28-4-17 14-4-18	Screw	35-9	Lake Ontario ports and Kingston.	Jno. Sowards, Kingston, Ont.
H. P. Bigelow, 90239	Ogdensburg, N.Y.	1893 Wood, Baldwinsville, N.Y. 1912 rebuilt, Alexandria Bay, N.Y.	Monstown, N.Y. 12-7-17 12-7-17 12-7-17	T. P. T. M. R. D.	24-7-17 29-6-18	Screw	8-4	Morristown and St. Lawrence river.	Brookville and Morristown Transp. Co., Morristown.
H. Pors, 138063	Port Arthur, Ont.	1915 Wood, Rossport, Ont.	Port Hope, Ont. 21-8-17	T. P. T.	25-8-17 1-7-18	Screw	8-4	Not more than 1 hour's run out of Port Hope.	Inkster & Misner, Collingwood, Ont.
Haddockton, 116761	Toronto, Ont.	1904 Steel Toronto, Ont.	Toronto, Ont. 6-4-17 10-4-17	J. B. S. W. E.	7-5-17 10-4-18	Screw	87	Coasting and inland.	Matthews S.S. Co., Toronto, Ont.
Ho Ha, 131017	Quebec, P.Q.	1913 Wood, St. Alphonse, Que.	Chicoutimi, P.Q. 11-5-17	J. A. S.	Not issued.	Screw	16-6	Saguenay river.	Jos. Page, Chicoutimi, P.Q.
Halifax, 39959	Halifax, N.S.	1888 Steel Glasgow, G.B.	New York, N.Y. 10-5-17 10-5-17	C. E. D. W. R. B.	20-4-17 19-5-18	Screw	350	Halifax and Boston.	Canada Atlantic and Plant S.S. Co., Halifax, N.S.
Halifax (lights), 116991	Ottawa.	1904 Steel Toronto.	Dartmouth, 31-10-17 8-11-17	D. J. M. D. J. M.	Not issued.	Screw	17-6	Coasting.	Minister of Marine.
Halifax, 125590	Halifax, N.S.	1911 Steel Old Kilpatrick, Scot.	Dartmouth, N.S. 17-10-17	A. M. D.	20-10-17 17-10-18	Twin screw	48	Halifax harbour.	Dartmouth Ferry Co., Dartmouth, N.S.
Hall, 96715	Ottawa, Ont.	1889 Composite, 1902 rebuilt, Ottawa.	Montreal, Que. 27-4-17	J. E. L. P. D.	10-5-17 27-4-18	Screw	7-5	Ottawa and Montreal.	Ottawa Transportation Co., Ottawa.
Hamilton 108842	Ottawa.	1896 Steel Sand Point, Ont.	Cheneaux Boom, Ont. 22-5-17	J. E. L.	Not issued	Paddle	61-4	Chats lake.	Upper Ottawa Improvement Co., Ottawa Ont.
Hamiltonian, 131052	Port Arthur, Ont.	1912 Steel Port Arthur, Ont.	Port Arthur, Ont. 11-4-17	W. J. V.	30-1-17 30-1-18	Screw	119-10	Duluth & Father Pt.	Western Drydock and Shipbuilding Co., Ltd., Port Arthur, Ont.
Hamonic 122553	Collingwood, Ont.	1909 Steel Collingwood, Ont.	Sarnia, Ont. 30-4-17 26-4-17	J. D. W. E.	12-5-17 25-4-18	Screw	363-5	Duluth & Port Colborne.	Canada Steamship Lines Ltd., Montreal, P.Q.
Hampton, 121837	St. John, N.B.	1906 Wood, St. John, N.B.	St. John, N.B. 25-4-17 25-4-17	C. E. D. W. R. B.	26-4-17 25-1-18	Stern wheel.	34	St. John River & tributaries.	P. B. Belyea, M.O.
Harbinger, 107318	Yarmouth, N.S.	1901 Wood Stelburne, N.S.	St. John, N.B. 14-4-17 14-4-17	C. E. D. W. R. B.	18-1-17 11-4-18	Screw	16-7	Coasting.	C. W. Rockwell, R. Hebert.
Harland 122580	Yarmouth, N.S.	1908 Wood Stelburne, N.S.	Charlottetown, 4-7-17 4-7-17	C. E. D. W. R. B.	10-7-17 4-7-18	Twin screw	33-3	Charlottetown to Cranston pond.	Island Tug Co., Charlottetown, P.E.I.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature du matériau.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Haro 130304 Vancouver, B.C.	233 159	1908 Wood Vancouver, B.C.	Tug.	Vancouver, B.C. 5-1-17	W. J. C.	5-11-17 4-11-18	Screw 39-1	Vancouver and Straits of Georgia.	B. C. M. T. and B. Co., Vancouver, B.C.
Harold Dollar 129531 Victoria, B.C.	4,377 2,823	1910 Steel Dumbarton, G.B.	Freight— Pass. 8	Vancouver, B.C. 30-8-17 30-8-17	H. G. R. H. G. R.	6-9-17 28-8-18	Screw 231	Vancouver and foreign ports.	Dollar Steamship Lines Ltd. Victoria, B.C.
Harrison 129053 Owen Sound, Ont.	221 119	1909 Wood Owen Sound, Ont.	Pass. Tug. 15	Owen Sound 3-5-17 3-5-17	G. M. A. S. D. A.	17-5-17 3-5-18	Screw 46-4	All Lakes and rivers.	Jno. Harrison and Sons, Owen Sound, Ont.
Harry E. Packer 116845 Cobourg, Ont.	183 810	1882 Wood Cleveland, Ohio.	Freight.	Montreal, P.Q. 10-4-17 26-9-17	J. T. G. P. D.	1-10-17 10-4-18	Screw 99-1	Great Lakes.	Chatham S.S. Co., Quebec, P.Q.
Harry S. 130918 Vancouver, B.C.	20 14	1897 Wood Seattle, U.S.A.	Tug.	Vancouver, B.C. 15-2-18	H. G. R.	15-2-18 8-2-19	Screw 8-2	Vancouver and Straits of Georgia.	A. P. Allison, & T. J. Moyes, Green Point Rapids, B.C.
Harvey, H. 134460 Toronto.	53 32	1915 Wood Collingwood.	Tug.	Toronto. 20-4-17	J. D.	27-4-17 20-4-18	Screw 6-53	Toronto Harbour.	Can. Stewart Co., Toronto.
Harwood 130372 Peterboro, Ont.	23 15	1909 Wood Peterboro, Ont.	Tug.	Pendon Falls, 16-8-17	T. P. T.	25-8-17 15-7-18	Screw 1-2	Trent Valley canal.	Railways and Canals Dept., Ottawa.
Hattie Berry 121955 Port Stanley.	42 29	1908 Wood Collingwood, Ont.	Fishing boat	Port Stanley, Ont. 13-10-17	J. B. S.	Not issued	Screw 10-6	Lake Erie.	Wm. Barry, Port Stanley, Ont.
Hazel B. 117101 Ottawa, Ont.	40 25	1904 Wood North Bay, Ont.	Pass. and Freight, 40	Sturgeon Falls, Ont. 14-7-17 21-8-17	J. T. G. M. R. D.	31-8-17 14-7-18	Screw 2-1	Lake Nipissing.	W. T. Windsor, Sturgeon Falls, Ont.
Hazel Dollar 121212 Victoria, B.C.	4,304 2,804	1905 Steel Port Glasgow, G.B.	Freight— Pass. 6	Vancouver, B.C. 13-10-17 13-10-17	A. E. H. A. E. H.	13-10-17 1-10-18	Screw 243-8	Vancouver and foreign ports.	Dollar Steamship Co., Vic- toria, B.C.
Heathcote 129040 Sydney, N.S.	2345 1594	1898 Steel Sunderland, G.B.	Freight.	Halifax, N.S. 15-4-16	N. A. C. A. McD.	11-5-17 23-4-18	Screw 7-5	Coasting.	H. McInnis, Halifax, N.S.
Hebron 107613 Montreal, P.Q.	352 227	1899 Wood Ottawa, Ont. 1910 rebuilt	Freight.	Lachine, P.Q. 25-4-17 10-5-17	J. T. G. P. D.	11-5-17 23-4-18	Screw 12-3	Lachine & Caughnawaga	Montreal, Valleyfield and Soulanges Nav. Co., Lachine, P.Q.
Hector 103962 Montreal.	21 14	1898 Wood Sorel, P.Q.	Tug.	Montreal, P.Q. 25-6-17	J. E. L.	25-6-17 25-6-18	Screw 13-33	Montreal & Oka.	Montreal Sand and Gravel Co., Montreal.
Hector. 112651 St. Catharines.	66 45	1903 Wood Port Colborne.	Tug.	Port Colborne 1-5-17	J. B. S.	27-9-17 1-5-18	Screw 83-9	Welland Canal & Lake Erie Coasting.	M. J. Hogan Port Colborne.
Helena 133758 St. John, N.B.	299 204	1907 Steel Collingwood, Ont.	Tug.	St. John, N.B. 19-5-17	C. E. D.	7-6-17 19-5-18	Screw	Coasting.	Dept. Public Works Ottawa.

SESSIONAL PAPER No. 23

Helen Glasier 112228 St. John, N.B.	12	1903 Wood St. John, N.B.	Tug.....	Fredericton, N.B. 13-8-17	C. E. D.	30-8-17 19-3-18	Screw..... 6	Inside Musquash Hd. & D. D. Glasier & Sons, St. John, N.B.
Helen S. 107695 Toronto, Ont.	86 58	1899 Composite Collins Inlet, Ont.	Tug. Pass.	Killarney, Ont. 19-7-17 8-8-17	G. M. A. S. D. A.	16-8-17 19-7-18	Screw..... 17-3	North-returned and Georgian bay. Collins Inlet Lumber Co., Toronto.
Henniette 112254 Vancouver, B.C.	762 518	1874 Iron. Unknown.	Freight and Pass, 12	Vancouver, B.C. 22-9-17 22-9-17	H. G. R. H. G. R.	30-9-17 18-9-18	Twin screw..... 32	Vancouver and Prince Rupert. Coastwise S.S. & Barge Co., Ltd., Vancouver, B.C.
Henry B. Hall 138094 Montreal, P.Q.	1 618	1881 Wood 1906 Detroit, Mich.	Freight. Mich.	Montreal, P.Q. 27-4-17 17-4-17	J. E. L. P. D.	27-4-17 27-4-18	Screw..... 35-2	Montreal and Lake Erie. Adolf Lomer, Montreal, P.Q.
Henry F. Jelly 133793 Port Stanley, Ont.	30 20	1915 Wood. Port Stanley, Ont.	Fish tug.	Port Burwell, Ont. 15-10-17	J. B. S.	23-10-17 15-10-18	Screw..... 9-4	Lake Erie..... N. S. Cornell, Port Stanley, Ont.
Henry Pedwell 126058 Owen Sound, Ont.	186 156	1909 Wood 1916. Lions Head, Ont.	Pass. Tug 5.	Owen Sound, Ont. 22-10-17 and inspection	S. D. A. S. D. A.	30-10-17 22-10-18	Screw..... 19-9	Owen Sound and Providence Bay. Tyndall & Taekaberry, Lions Head, Ont.
Hercule 116607 Montreal, P.Q.	45 28	1904 Wood. Sorel, P.Q.	Tug.	Melecheville, P. Q. 25-4-17	J. F. G.	Not issued.	Screw..... 13-3	Montreal, Oka & Cadars. Canadian Sand and Gravel Co., Montreal.
Hercules 111448 Ottawa, Ont.	21 19	1901 Wood. Pembroke, Ont.	Warp Tug.	Pembroke. 23-5-17	J. E. L.	31-5-17 23-5-18	Paddle..... 2-7	Port William boom..... Upper Ottawa Improvement Co., Ottawa, Ont.
Hercules 122217 Toronto, Ont.	234 137	1906 Steel. Toronto, Ont.	Tug.	Collingwood, Ont. 8-3-17	G. M. A.	18-5-17 8-5-18	Screw..... 65-9	Great Lakes..... Dept. Public Works, Ottawa, Ont.
Hero 94751 St. John, N.B.	128 81	1889 Wood. St. John, N.B.	Tug.	St. John, N.B. 21-5-17	C. E. D.	14-6-17 21-5-18	Paddle..... 44-9	Inside Musquash harbor and Cape Spencer. D. D. Glasier and Son, St. John, N.B.
Hero No. 1 133861 New Westminster.	31 21	1902 Wood. Ballard, Wash.	Tug.	Vancouver, B.C. 22-2-18	A. E. H.	22-2-18 21-2-19	Screw..... 13-2	Vancouver and Straits of Georgia. Wm. D. Grant and Angus J. Macdonald.
Hiawatha 72982 Sarnia, Ont.	163 110	1874 Wood. Dresden 1887 Rebuilt. 1917 Port Huron, Mich.	Pass. 300	Port Huron, Mich. 26-9-17 26-4-17	J. D. W. E.	28-6-17 26-6-18	Screw..... 14	Amherstburg and Port Huron. Sarnia Tug and Transit Co., Sarnia, Ont.
Hiawatha 106768 Toronto, Ont.	46 31	1895 Steel. Toronto, Ont.	Yacht.	Toronto, Ont. 19-6-17	J. B. S.	19-6-17 19-6-18	Screw..... 8-1	Toronto bay..... Royal Canadian Yacht Club, Toronto, Ont.
Hiawatha 103801 Pictou, N.S.	49 34	1904 Wood. Pictou, N.S.	Pass Ferry. 40	Pictou, N.S. 7-5-17	N. A. C. A. McD.	9-5-17 7-5-18	Screw..... 8-2	Pictou and Pictou Landing. T. R. Powell, Pictou, N.S.
Hilda 110783 Vancouver, B.C.	33 22	1904 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 25-8-17	H. G. R.	29-8-17 17-8-18	Screw..... 8-2	Vancouver and Straits of Georgia. Champion and White, Vancouver, B.C.
Hilma 130252 Windsor, N.S.	31 21	1913 Wood. Hantsport, N.S.	Freight tug.	Hantsport, N.S. 21-6-17	N. A. C.	22-6-17 21-6-18	Screw..... 13-5	Mtias Basin, not beyond Cape Sphl. W. H. McKinley, Hantsport, N.S.
Hilford 122425 Halifax, N.S.	38 26	1908 Wood. Tancook, N.S.	Tug.	North Sydney, N.S. 19-6-17	D. J. M.	27-6-17 9-5-18	Screw..... 8-2	Sydney harbour Quarantine service. Alex. Gordon, North Sydney, N.S.
Hillsborough 97079 Charlottetown.	229 66	1894 Wood. Mt. Stewart, P.E.I.	Ferry Pass. 106	Charlottetown, P.E.I. 4-7-17 4-7-17	C. E. D. W. R. B.	10-7-17 4-7-18	Paddle..... 30-4	Charlottetown to Rocky Point. Provincial Govt., Charlottetown, P.E.I.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
<i>Hypolyta II</i> 134165 Yarmouth, N.S.	14	1915 Wood. 12 Connewville, N.S.	Pass Ferry. 78	Yarmouth, N.S. 10-7-17 9-7-17	N. A. C. A. MeD.	10-7-17 9-7-18	Screw. 2	Halifax and Woodside N.S.	Imperial Oil Co., Halifax, N.S.
Hiram Robinson. 126530 Ottawa, Ont.	203	1910 Steel. 118 Sand Point, Ont.	Tug.	Armprior, Ont. 22-5-17	J. E. L.	31-5-17 31-5-18	Screw. 37-5	Chats lako.	Upper Ottawa Improvement Co., Ottawa.
Hochelega. 132818 Montreal.	4,681 2,601	1912 Steel. Middleboro, G.B.	Freight.	St. Johns, Nfld. 9-2-18 7-2-18	D. J. M. A. MeD.	22-2-18 7-2-19	Screw. 264-7	Foreign going.	Hochelega S.S. Co., Sydney, N.S.
Home 113024 St. Johns, Nfld.	439	1900 Steel. 200 Glasgow, G.B.	Pass.	Halifax, N.S. 28-8-16	A. MeD.	Screw. 99	Screw. 16-1	Sydney and Pt. au Bas- que.	St. Johns, Nfld.
Home Rule. 97001 St. Catharines.	81 45	1890 Wood. Thorold, Ont. 1914 Rebuilt.	Tug.	Port Colborne, Ont. 26-11-17	J. B. S.	Not issued.	Screw. 16-1	Toronto to Lako Erie Ports.	Canada Steamship Ltd., Montreal.
Homer Warren. 130222 Owen Sound, Ont.	447 304	1863 Wood. Cleveland, Ohio. 1901 Rebuilt.	Freight.	Warton, Ont. 15-8-17	G. M. A. S. D. A.	11-9-17 15-8-18	Screw. 73-5	Great Lakes.	Peninsula Tug and Towing Co., Warton, Ont.
Hong Kong. 103897 New Westminster.	36 25	1897 Wood. New Westminster.	Fish Tug.	West Bay City, Mich. 23-6-17 28-5-17	A. E. H.	25-9-17 26-5-18	Screw. 9-1	Rivers Inlet, B.C.	Kildala Packing Co., Van- couver, B.C.
Hooster.		Wood.	Tug.	Baldwinville. 25-3-17	T. P. T.	Not issued.	Screw. 4		Stewart & Co., Baldwin- ville.
Hope.	12	1910 Peterboro Boat Co. 1916 L. G. Con- services.	Fire Patrol	Fort Smith, N.W.T.		Not issued.	Screw.	Slave River, Class IV.	Dom. Govt. Forestry Branch
Hope. 85368 Victoria, B.C.	8 78 45	Wood. 1882 Wood. Seattle, U.S.A. 1906-16, Victoria, B.C.	Tug.	21-6-17 Esquimalt B.C. 18-2-18	J. T. M. W. J. C.	28-2-18 17-2-19	Screw. 8-2	Coasting.	Vancouver Ltd. Towing Co., Victoria, B.C.
Hope. 117907 Victoria, B.C.	26 18	1912 Wood. Richardson, U.S.A.	Tug.	Rivers Inlet. 26-5-17	A. E. H.	29-5-17 25-5-18	Screw. 8-2	Rivers Inlet, B.C.	C. F. Todd, Victoria, B.C.
Hopkins. 130294 Vancouver, B.C.	62	1910 Wood. 42 Vancouver, B.C.	Tug.	Vancouver. 35-3-18	A. E. H.	26-3-18 2-3-19	Screw. 14-1	Vancouver and South Vancouver Isd.	G. S. Hopkins et al, Van- couver, B.C.
Hosmet. 126551 Vancouver, B.C.	154 105	1909 Wood. Nelson, B.C.	Tug. Pass. 7	Nelson, B.C. 16-5-17 15-5-17	W. J. C. W. J. C.	16-5-17 14-5-18	Screw. 36	Nelson and Keslo.	Can. Pacific Ry., Montreal.
Howard, W. 133821 Montreal.	1,517 924	1891 Wood. Green Bay Mich.	Freight.	Quebec. 12-4-17 23-4-17	J. A. S. P. D.	24-4-17 12-4-18	Screw. 96	Lake Erie & Father Pt.	L. C. Webster, Montreal

SESSIONAL PAPER No. 23

Hudson, 100181	Montreal, P.Q.	1581 80	1891 Composite Sorel, P.Q.	Tug.....	Sorel, P.Q.	F. X. H.	18-6-17 25-4-18	Paddle 74-7	Montreal and Quebec....	Sin-McNaughton Line, Mon- treal, P.Q.
Hugh D. 122582	Yarmouth, N.S.	71 20	1908 Wood Stalburne, N.S.	Freight.....	Yarmouth, N.S. 15-3-17	N. A. C.	21-8-17 18-3-18	Screw..... 24	Coasting and Yarmouth, H. Cann and Sons, Yar- mouth, N.S.	
Hugh Stalker, 122558	Collingwood, Ont	43 29	1911 Wood, Collingwood, Ont.	Fishing tug.....	Collingwood, Ont. 30-11-17	G. M. A.	Not issued.	Screw..... 10-9	Georgian bay.....	Geo. Stalker, Collingwood, Ont.
Huron, 71216	Sarnia, Ont.	1,052 688	1875 Iron Pt. Edward.	Car Ferry.....	Windsor, Ont. 6-10-17 11-10-17	J. D. W. E.		Twin screw..... 60-8	Windsor and Detroit.....	G. T. Railway, Montreal.
Huronic, 107168	Collingwood, Ont	3,329 2,211	1902 Steel, Collingwood, Ont.	Pass..... 355 R. 355 R.	Pt. Edward, Ont. 20-4-17 27-4-17	J. D. W. E.	12-5-17 25-4-18	Screw..... 245	Duluth and Port Col- borne.	Canada S.S. Lines, Ltd., Montreal, P.Q.
Havasia, 100460	Sydney, N.S.	58 39	1886 Wood, Levis, P.Q.	Pass Ferry..... 125	Sydney, N.S. 4-5-17 4-5-17	D. J. M. A. McD.	16-5-17 4-5-18	Screw..... 30	Sydney and N. Sydney.	Cape Breton Electric Co., Sydney, N.S.
Iagara, 111761	Kingston, Ont.	7 5	1901 Wood, Kingston, Ont.	Yacht.....	Port Carling, Ont. 17-8-16	G. M. A.		Screw..... 5	Muskoka lakes.....	Geo. V. Forman, Buffalo, N.Y.
Iberville, 133908	Sorel, P.Q	121 43	1806 Steel, Sorel, P.Q.	Tug.....	Sorel, P.Q. 14-4-17	F. X. H.	Not issued.	Screw..... 43-6	St. Lawrence river.....	Dopt. Marine and Fisheries, Ottawa.
Ida E. 126222	Montreal, P.Q.	285 135	1887 Wood, Osakosh, Wis.	Freight.....	Montreal, P.Q. 29-4-16 17-5-16	J. T. G. P. D.		Screw..... 10-8	Montreal and Ottawa river.	River Sand Co., Ltd., Montreal, P.Q.
Ida H. 122634	Kingston.	17 11	1906 Wood, Kingston.	Yacht.....	Beauvais, 31-5-17	J. T. G.	5-9-17 31-5-18	Screw..... 9	Muskoka Lakes.....	Isaac Fairhall.
Ida Luc. 103188	Yarmouth.	45 30	1896 Wood, Stelburne...	Tug.....	Sydney. 23-9-17	D. J. M.	28-9-17 23-9-17	Screw..... 11	Sydney Harbot.....	A. M. Fraser Edwardville, C.B.
Idell, 100135	Winnipeg, Man.	54 37	1893 Wood, Selkirk, Man. 1913 Rebuilt. Selkirk, Man.	Fishing tug.....	Selkirk, Man. 22-5-17	W. J. V.	7-6-17 22-5-18	Screw..... 16-7	Selkirk and Norway House.	North West Nav. Co., Sel- kirk Man.
Idler, 11685	Ottawa, Ont.	51 32	1904 Wood, Hawkesbury, Ont.	Tug & Sand Pump.	Montreal, P.Q. 27-4-16	J. T. G.		Stern wheel..... 4-2	Ottawa river.....	The River Sand Co., Mon- treal, P. Q.
Imbriaria, 99710	Vancouver.	150 66	1893 Beverly York.	Fishing Boat.	Vancouver. 11-9-17	H. G. R.	12-9-17 10-9-18	Screw..... 45	Coastal Class IV.....	Can. Fish Co., Ltd., Vanc.
Imp. 122199	Vancouver, B.C.	56 34	1908 Wood, New Westminster.	Tug.....	Vancouver, B.C. 4-9-17	H. G. R.	6-9-17 3-9-18	Screw..... 12-9	Vancouver and points on Straits of Georgia.	C. A. Thompson, Vancouver B.C.
Imperial, 108316	Sarnia, Ont.	796 412	1898 Steel, Wellington-on-Tyne.	Freight.....	Collingwood, Ont. 11-4-17 17-4-17	G. M. A. S. D. A. G. P. P.	29-3-18 27-3-19	Screw..... 99-6	Lakes and rivers.....	Imperial Oil Co., Sarnia, Ont.
Imperial, 121945	Sorel, P. Q.	1,099 578	1906 Steel, Sorel, P.Q.	Pass..... 835	Sorel, P.Q. 11-5-17	F. X. H. P. D.	18-5-17 3-5-18	Paddle..... 38-5	Montreal and Three Riv- ers.	Charles Migneault Montreal, P.Q.
Imperial, 135209	Sarnia, Ont.	2,253 1,381	1913 Steel, Grangemount, G.B.	Freight.....	North Vancouver, B.C. 21-1-18	J. G. R. H. G. R.	24-1-18 20-1-19	Screw..... 157-7	Vancouver, B. C., and foreign ports.	Imperial Oil Co., Sarnia, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Ina 111577 Toronto, Ont.	14	1901 Composite. Toronto, Ont.	Freight. Supply boat	Gravenhurst, Ont. 24-5-17	J. T. G.	22-9-17 29-5-18	Screw 2-6	Muskoka lakes.	R. Lazzaro, Bracebridge, Ont.
Ina 116759 Parry Sound, Ont.	27	1904 Wood. Parry Sound, Ont.	Tug.	Parry Sound, Ont. 19-7-16	G. M. A.	28-4-17 2-4-18	Screw 6	Parry Sound and Midland.	Gains and Danta, Parry Sound, Ont.
India 107735 Montreal, P.Q.	976	1899 Wood. Steele Island.	Freight.	Kingston, Ont. 2-4-17	T. P. T.	118	Screw	Pt. William and Father Pt.	Montreal Trans Co., Montreal, P.Q.
Inland 130440 Sarnia, Ont.	1,098	1894 Steel. Cleveland, Ohio	Freight.	Port Huron 13-4-16	M. R. D.	146-8	Screw	Gt. Lakes and Sydney.	Lake and River Trans. Co., Montreal, P.Q.
International 96849 Sarnia, Ont.	851	1872 Iron. Pt. Huron, Mich.	Car ferry. 10	Sarnia, Ont. 18-9-17	J. D. W. E.	60	Twin screw	Sarnia and Pt. Huron.	J. H. Walker, Walkerville, Ont.
Inverness 107323 Halifax, N.S.	559	1895 Wood. Pt. Erie, Ont.	Fishing tug.	Canso, N.S. 24-9-17	J. D. W. E.	18-4	Screw	Coasting.	Maritime Fish Co., Canso, N.S.
Iocelite 134514 Sarnia, Ont.	2,069	1916 Steel. West Mystic, U.S.	Freight.	Sarnia, Ont. 10-11-17	S. D. A.	95-6	Screw	Inland and Coasting.	Imperial Oil Co., Toronto Ont.
Iocoma 132745 Sarnia, Ont.	1,689	1912 Steel. Dundee, Scot.	Freight.	Sarnia, Ont. 2-4-17	J. D. W. E.	84	Screw	Lakes and rivers.	Imperial Oil Co, Sarnia, Ont.
Iona 112338 Collingwood, Ont.	29	1904 Wood. Meaford, Ont.	Fishing boat.	Meaford, Ont. 13-9-17	G. M. A.	9-6	Screw	Georgian bay.	H. McInnes, Meaford, Ont.
Ionia 116954 Sarnia, Ont.	1,708	1872 Iron. Buffalo, N.Y.	Freight.	Sorel P. Q. 28-4-17	F. X. H. P. D.	123-9	Twin screw	Father Point & Duluth.	Northern Nav. Co., Collingwood, Ont.
Irons 103932 Chatham, N.B.	10	1897 Wood. Pt. Hawkesbury.	Tug.	Newcastle, N.B. 20-7-17	C. E. D.	6	Screw	Inside/Esquimaie Village and north end of Portage Escl.	Jas. Robinson, Derby, N.B.
Iroquois 111855 Toronto, Ont.	2,959	1902 Steel. Toronto, Ont.	Pass. Freight. 8	Collingwood, Ont. 10-4-17	G. M. A.	107	Screw	Lakes and rivers.	Canada Steamship Lines Ltd., Montreal, P.Q.
Iroquois 116850 Owen Sound, Ont.	307	1907 Composite. Portage Lake of Bays, Ont.	Pass.	Lake of Bays, Ont. 2-6-17	S. D. A.	38-1	Screw	Lake of Bays.	Lake of Bays and G. S. Nav. Co., Huntsville, Ont.
Iroquois 100730 Port Townsend.	1,170	1901 Steel. Toledo, U.S.A.	Freight Pass. 515	Victoria, B.C. 11-4-17	J. T. G. W. J. C.	100-6	Screw	Victoria and Seattle.	Puget Sound Nav. Co., Seattle, U.S.A.
	796			2nd inspection 23-1-18	W. J. C.				

SESSIONAL PAPER No. 23

Isaac, 117002 New Westminster, B.C.	14	1904 Wood Port Gutcheon, B.C.	Tug.....	New Westminster, 12-9-17	A. F. H.	12-9-17 11-9-18	Screw.....	Fraser river.....	Avery and Holmes, New Westminster, B.C.
Island Belle, Alexandria Bay, N. Y.	89	1879 Wood 1915 Alexandria Bay.	Pass.....	Ogdensburg, N. Y. 25-6-17	T. P. T. M. R. D.	24-7-17 8-6-18	Screw.....	St. Lawrence, Cape Vin- cent and Mussena	Holmes Bros., Redwood, N. Y.
Islander, 111567 Toronto, Ont.	165	1900 Wood Port Gravenhurst, Ont.	Pass.....	Gravenhurst, Ont., 25-4-17	J. D.	24-7-17 23-4-18	Screw.....	Muskoka lakes.....	Muskoka Lakes Nav. Co., and Hotel Co., Toronto, Ont.
Island Queen, 75642 Toronto, Ont.	129	1905 Wood Bronte, Ont.	Ferry pass.....	Toronto, Ont., 29-5-17	S. D. A.	29-5-17 9-5-18	Screw.....	Toronto bay.....	Toronto Ferry Co., Toronto, Ont.
Isobel, 111796 Pictou, N.S.	20	1906 Wood Port Hawkesbury.	Pass.....	Pictou, N.S., 9-5-17	J. B. S. W. E.	4-7-17 1-6-18	Twin screw.....	Pictou and New Glas- gow.	G. Fraser, New Glasgow, N.S.
Ivanhoe, 122547 Vancouver, B.C.	181	1908 Wood Vancouver, B.C.	Tug.....	Vancouver, B.C., 3-7-17	N. A. C. A. Mc'D.	27-8-17 22-8-18	Screw.....	Vancouver and King- come Island.	Kingcome Nav. Co., Van- couver, B.C.
Ivy Clark, 126523 Ottawa, Ont.	28	1907 Wood Sturgeon Falls, Ont.	Tug.....	Sturgeon Falls 17-7-17	H. G. R.	29-9-17 17-7-18	Screw.....	Lake Nipissing.....	C. W. Clark, Sturgeon Falls, Ont.
J. A. McKee, 126442 Sault Ste. Marie, Ont.	2,158	1908 Steel, Newcastle, Eng.	Freight.....	Collingwood, Ont. 9-5-17	G. M. A.	19-5-17 12-5-18	Screw.....	Lakes and rivers.....	Algoma Steel Corp'n. Ltd., Sault Ste. Marie, Ont.
J. A. Mansford, 117167 Windsor, N.S.	16	1903 Wood Spencer Isld., N.S.	Tug.....	Hantsport, N.S., 22-3-16	S. D. A. N. A. C.	.....	Screw.....	Windsor and coastwise	Gypsum Packing Co., Windsor, N.S.
J. B. Ketchum, 2nd, 130435 Montreal, P.Q.	1,109	1892 Steel, Toledo, Ohio.	Freight.....	Trenton, Ont., 18-4-17	T. P. T. M. R. D.	28-4-17 16-4-18	Screw.....	Fort William and Fether Point.	Canada Shipping Co., Montreal, P.Q.
J. B. McGill, 126721 Peterboro, Ont.	24	1908 Wood Lakefield, Ont.	Tug.....	Frankford, Ont., 16-4-17	T. P. T.	11-8-17 10-7-18	Screw.....	Trent canal.....	Dept. Railways and Canals, Ottawa.
J. C. Else, 134267 Midland, Ont.	23	1915 Steel, Midland.	Tug.....	Waubushens, Ont., 18-9-17	G. M. A.	1-10-17 18-9-18	Screw.....	Waubushens harbour and vicinity.	Georgian Bay Lumber Co., Waubushens, Ont.
J. C. Stewart, 137896 Toronto, Ont.	30	1915 Wood Ferryburg, Mich.	Pass, tug.....	Toronto, Ont., 14-5-17	W. E.	14-5-17 14-5-17	Screw.....	Toronto harbour.....	Canadian Stewart Co., Ltd., Toronto, Ont.
J. C. Miller, 12660 Chatham, N.B.	33	1910 Wood Douglastown, N.B.	Tug.....	Chatham, N.B. 24-7-17	C. E. D.	30-7-17 24-7-18	Screw.....	Inside Escumacque village and North end of Port- age Isd.	W. B. Snowball, Chatham, N.B.
J. D. Hamill, 112365 Collingwood, Ont.	111	1904 Wood Meaford, Ont.	Pass, tug.....	Cutler, Ont., 1-9-17	G. M. A.	10-9-17 27-8-18	Screw.....	John Isld., Little Current and Blind river.	John, Island Tug Co., Jolin Island, Ont.
J. D. Morrison, 112179 Port Arthur, Ont.	16	1907 Wood Collingwood, Ont.	Tug.....	Port Colborne, Ont., 7-8-17	S. D. A. J. B. S.	7-8-17 7-8-18	Screw.....	Lake Erie ports.....	Great Lakes Dredging Co., Port Arthur, Ont.
J. D. Schofield, 126089 St. Catharines.	51	1910 Wood Port Robinson, Ont.	Tug.....	Port Colborne, Ont., 22-8-17	J. B. S.	27-8-17 22-8-18	Screw.....	Welland canal and lake.	G. & C. Ross, Port Robin- son, Ont.
J. Frazer Taylor, 130776 Sault Ste. Marie.	3,429	1901 Steel, Loran, Ohio.	Freight.....	Pl. McNicoll, 18-8-17	G. M. A. S. D. A.	5-5-17 27-4-18	Screw.....	All lakes and rivers.....	Algoma Central and Hudson Bay Railway, Sault Ste. Marie.
J. G. Whitebee, 122251 Quebec, P.Q.	164	1872 Iron, Philadelphia, U.S.	Tug.....	Montreal, P.Q., 27-4-17	J. E. L.	.....	Screw.....	St. Lawrence river.....	Dept. Public Works, Ottawa.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Where and when Built—Material. Année et lieu de construction—Matériau de la coque.	Tonnage.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivré—Expiration.	Propulsion—N. I. P. Propulsion—N. en I. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
J. H. G. Hagarty 134230 Toronto, Ont.	1914 Steel. Collingwood, Ont.	7-462 5,704	Freight pass. 10.	Port McNeill, Ont. 17-4-17	G. M. A. S. D. A.	23-4-17 19-4-18	Screw. 217-7	Port Colborne and Duluth.	Canada Steamship Line Ltd., Montreal, P.Q.
J. H. Haekel 11619 Quebec.	1901 Wood. Quebec, P.Q.	117 80	Tug.	Trenton, Ont. 20-4-17	T. P. T.	30-4-17 1-4-18	Screw. 34-6	Lake Erie and Father Pt.	Canada Shipping Co., Montreal, Que.
J. Howard 122526 Chatham, N.B.	1908 Wood. Newcastle, N.B.	16	Fish boat.	Newcastle, N.B. 26-7-17	C. E. D.	30-7-17 26-7-18	Screw. 6	Miramichi river.	T. W. Crocker, Newcastle, N.B.
J. H. McDonald 107170 Collingwood.	1902 Wood. Collingwood, Ont.	41 28	Tug.	Victoria Harbour, Ont. 19-9-17	G. M. A.	13-5-18 19-9-18	Screw. 13-5	Blind river and Killarney.	Waldie Bros., Toronto, Ont.
J. H. Plummer 114447 Newcastle, Eng.	1903 Steel. Low Walker-on-Tyne, G.B.	1,552 992	Freight.	Hamilton, Ont. 16-4-17	J. B. S. W. E.	7-5-17 20-4-18	Screw. 147-5	Duluth and Father Point.	Wm Peterson, Newcastle-on-Tyne, Ont.
J. H. Wade 134616 Sault Ste. Marie, Ont.	1890 Steel. Cleveland, Ohio.	2,301 1,389	Freight.	Tiffin. 13-4-17 Ardland 26-4-18	G. M. A. S. D. A.	5-5-17 26-4-18	Screw. 111-3	All Lakes and rivers.	Jas. Hawson, Treas. Algoma Steel Corp., Sault Ste. Marie, Ont.
J. L. Nelson 107333 Halifax, N.S.	1899 Wood. Yarmouth, N.S.	38 19	Tug.	Halifax, N.S. 27-9-17	D. J. M.	29-9-17 27-9-18	Screw. 8-5	Coasting.	Minister, Marine and Fisheries.
J. M. Diver 116397 Sarnia, Ont.	1904 Wood. Sarnia, Ont.	48 33	Tug.	Quebec, P.Q. 3-7-17	J. A. S.	3-7-17 3-7-18	Screw. 17-06	Quebec harbour.	Quebec Harb. Commissioners, Quebec, P.Q.
J. M. Smith 112309 Winnipeg, Man.	1905 Wood. Winnipeg, Man.	179 330	Pass.	Winnipeg, Man. 13-6-17	W. J. V.	Not issued.	Stern pull. 4	Red river.	W. H. Hall, Winnipeg, Man.
J. O. B. 126607 Chatham, N.B.	1910 Wood. Chatham, N.B.	35 13	Tug.	Newcastle, N.B. 26-7-17	W. J. V. C. E. D.	30-7-17 26-7-18	Screw. 16-3	Inside Examinac village North of Portage Isd.	John O'Brien, Nelson, N.B.
J. R. Binning 138226 Montreal, P.Q.	1916 Wood. Sorel, P.Q.	58 31	Tug.	Port Colborne 10-4-17	J. B. S.	14-5-17 10-4-18	Screw. 24-1	Welland canal and Lake E. 16.	The Canada Steamship Lines.
J. R. Spear 122273 Winnipeg, Man.	1909 Wood. Togoogan, Man.	71 48	Fish tug.	Selkirk, Man. 23-5-17	W. J. V.	29-5-17 22-5-18	Screw. 13-5	Georges Isd. and Poplar Point.	Northern Fish Co., Selkirk, Man.
J. S. Rayside 133336 Ottawa.	1913 Wood. Montebello, P.Q.	49 28	Tug.	Montebello, P.Q. 23-8-17	T. G.	Not issued.	Screw. 17-1	Ottawa & Grenville.	Owens Lumber Co., Ltd., Montebello, P.Q.
J. W. Bennett 131055 Port Arthur, Ont.	1912 Wood. Port Arthur, Ont.	108 61	Tug.	Port Arthur, Ont. 26-7-17	W. J. V.	17-8-17 26-7-18	Screw. 30-6	Not more than 100 miles from Port Arthur or 15 miles off shore.	Superior Sand and Towing Co., Port Arthur, Ont.
J. W. Brankley 134327 Chatham, N.B.	1914 Wood. Chatham, N.B.	61 19	Tug.	Chatham, N.B. 23-7-17	C. E. D.	30-7-17 23-7-18	Screw. 16-7	Miramichi river.	J. W. Brankley, Chatham, N.B.

SESSIONAL PAPER No. 23

James Beard, 80343 Port Huron, Mich.	Ferry Pass. 170	Port Huron, Mich.	J. D.	20-5-17	Screw	Sarnia & Port Huron...	Port Huron and Sarnia, Ferry Co., Port Huron, Mich.
James Carnuthers, 134746 Grimsby, Eng.	Fishing boat.	Sarnia Prince Rupert B.C.	W. E. H. A. E. H. A. E. H.	4-5-17 1-5-17 17-5-17 8-1-18 17-5-17	Screw Not issued	Coasting & Prince Rupert.	Atlin Cons. Co., Victoria, B.C.
James Holly, 111511 St. John, N.B.	Tug.	2nd inspection St. John, N.B.	C. E. D.	12-7-17 12-7-18	Screw	Inside Musquash Id. & Cape Spencer.	James Holly & Sons, St. John, N.B.
James Howden, 133902 Sorel, P.Q.	Tug.	Sorel, P.Q.	F. X. H.	Not issued	Twin screw	Montreal and Quebec...	Dept. Marine and Fisheries, Ottawa.
James H. Shrigley, 134512 Sarnia, Ont.	Freight.	Port Dalhousie, Ont.	J. B. S. W. B.	7-5-17 18-4-18	Screw	All lakes and rivers...	W. C. Thompson,—Port Arthur, Ont.
James McKeown, 96814 Sarnia, Ont.	Tug.	Blind River, Ont.	G. M. A.	Not issued	Screw	Blind river...	Blind River Trans. Co., Blind River, Ont.
James Neilson, 116941 Chatham, N.B.	Tug.	Chatham, N.B.	C. E. D.	30-7-17 27-7-18	Screw	Inside Exacuneac vil- lage, north end of Lake Erie.	J. P. Burehill, Nelson, N.B.
James Playfair, 100943 Port Burwell, Ont.	Fishing boat.	Pt. Burwell, Ont.	J. B. S.	Not issued	Screw	Lakes, etc.	Reid Wrecking Co., Ltd., Sarnia, Ont.
James Reid, 116398 Sarnia, Ont.	Tug.	Sarnia, Ont.	J. D.	12-5-17 4-3-18	Screw	Lakes, etc.	Reid Wrecking Co., Ltd., Sarnia, Ont.
Jas. W. Follotte, 116816 Cobourg, Ont.	Freight.	Cobourg, Ont.	T. P. T. M. R. D.	15-10-17 1-5-18	Screw	Erie and Saguenay...	The Plunkett Nav. Co., Cobourg, Ont.
James Whalen, 121700 Port Arthur, Ont.	Tug.	Fort William, Ont.	W. J. V. G. P. P.	Not issued	Screw	Father Pt. & Duluth...	Canadian Towing & Wreck- ing Co., Port Arthur, Ont.
Jean Macnamara, 138069 Ottawa.	Warp Tug.	Arnprior, Ont.	J. E. L.	28-6-17 22-5-18	Screw	Chat Lake.	McLachlin Bros., Arnprior.
Jean Steedman, 134658 Victoria, B.C.	Freight.	Victoria	B. M. B. M.	19-2-18 22-1-19	Twin screw	Can. and Foreign Ports.	Canada West Coast Nav. Co., Vancouver.
Jeanne Alice, 138103 Montreal, P.Q.	Freight.	Montreal, P.Q.	P. D.	Not issued	Screw	Verdun & Le Torture...	Leon Lewis and Algidie Alie Valleyfield, P.Q.
Jericho, 130791 Vancouver.	Tug.	Vancouver, B.C.	A. D. H.	8-2-18 5-2-19	Screw	Vancouver Harbour, Class IV, C.T.	A. G. Balkwill, Vancouver.
Jeska, 126128 Kingston, Ont.	Freight.	Kingston, Ont.	T. P. T. M. R. D.	12-6-17 21-4-18	Screw	Oswego and Ottawa...	McKenzie & Sowards, King- ston, Ont.
Jessie Hall, 70288 Port Arthur.	Tug.	Fort William, Ont.	W. J. V.	11-6-17	Screw	Port Arthur and Jack- fish.	Hugh Keeler, Port Arthur.
Jessie Hume, 97009 St. Catharines, Ont.	Tug.	Sorel, P.Q.	F. X. H.	Not issued	Screw	St. Lawrence river...	Marine and Fisheries Dept., Ottawa.
Jessie Mac 117115 Vancouver, B.C.	Tug.	Vancouver, B.C.	H. G. R.	19-4-17 1-4-18	Screw	Vancouver & Georgia Sta., Class IV, C.T.	McDowell, Vancouver B.C.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Jessie Norcross. 138368 Vancouver, B.C.	1,481 1,268	1917 Wood. N. Vancouver, B.C.	Freight. 25	N. Vancouver. 25-27-6-17	H. G. R. H. G. R.	27-6-18 24-4-18	Twin screw 36-4	Foreign Trade	Canada West Navigation Co., Vancouver.
Jim and Tom. 100268 Port Dover, Ont.	33 22	1907 Wood. Collingwood, Ont.	Fishing tug 9	Port Dover, Ont. 26-7-17	J. B. S.	30-7-17 26-7-18	Screw 10-6	Lake Erie	T. H. Low, Port Dover, Ont.
Joe. 115572 Toronto, Ont.	57 39	1890 Wood. Huntsville, Ont.	Pass. 9	Lake of Bays, Ont. 18-7-17	J. F. G. S. D. A.	25-7-17 1-6-18	Screw 8-8	Lake of Bays	Huntsville, Lake of Bays and Lake Simcoe, Nav. Co., Huntsville, Ont.
Joffre. 19 Btc.	32	1916 Wood. Btc.	Tug.	Rimouski River 25-8-17	J. A. S.	Not issued.	Screw 9-7	Rimouski Wharf and River.	G. Gamache Btc.
Joffre D. 132367 Sorel, P.Q.	38 18	1914 Wood. Sorel, P.Q.	Tug.	Sorel, P.Q. 25-4-17	F. X. H.	21-5-17 25-4-18	Screw 13-6	Montreal hbr. & canals.	A. Desrochers, Sorel, P.Q.
John. 111670 Montreal, P.Q.	19 13	1885 Steel Point Fortune, P.Q.	Ferry. 10	Carillon, P.Q. 10-7-17	J. E. L. P. D.	17-7-17 10-7-18	Screw 2-1	Carillon and Pt. Fortune	T. Martin, Pt. Fortune, P.Q.
John A. Minor 130714 Kemora	40 27	1913 Wood. Kenora.	Tug.	Pt. Fortune 10-7-17 Keewatin 15-5-17	W. J. V.	28-5-17 15-5-17	Screw 3-3	Lake of the Woods.	Keewatin Lumber Co., Keewatin.
John E. Monk 130387 Amherstburg	58 40	1908 Wood. Amherstburg.	Tug.	Amherstburg. 16-8-17	J. D.	20-8-17 16-8-18	Screw 9-9	Hours run from sheltered waters.	Chas. R. Hackett, Amherstburg.
John E. Russell. 111805 Toronto, Ont.	26 17	1902 Wood. Sault Ste. Marie.	Tug.	Toronto, Ont. 24-10-17	V. B. S.	25-10-17 24-10-18	Screw 10-2	Toronto harbour & Vicinity.	Toronto Harbour Commissioners, Toronto.
John Haggart. 130758 Vancouver, B.C.	110 75	1911 Wood. Victoria, B.C.	Ferry. 40	Mission, B.C. 2-10-17	H. G. R. H. G. R.	3-10-17 1-9-18	Screw (Turn) 4	Fraser river at Mission, B.C.	Dept. Public Works, Victoria, B.C.
John Haggart. 92387 Kingston, Ont.	184 104	1887 Wood. Perth, Ont.	Frt.	Little Current, Ont. 17-7-17	G. M. A.	Not issued.	Screw 8	North channel.	T. C. Sims, Little Current, Ont.
John Hancock. 126013 Annapolis, N.S.	43 30	1908 Wood Granville, N.S.	Pass. 25	Granville, N.S. 12-4-17	N. A. C. A. Med.	16-4-17 12-4-18	Screw 3-3	Annapolis and Granville-Perry.	B. Dolan, Annapolis, N.S.
John Hanlan. 85519 Toronto, Ont.	37 25	1884 Wood. Pt. Dalhousie, Ont.	Pass. 175	Toronto, Ont. 25-4-17	J. B. S. W. E.	9-6-17 16-6-18	Screw 4	Toronto bay.	L. Solman, Toronto, Ont.
John J. Noble. 107136 Goderich, Ont.	33 23	1901 Wood Goderich, Ont.	Fishing tug	Sault Ste. Marie 10-5-17	G. M. A.	Not issued.	Screw 13-8	Lake Superior.	Dominion Fish Co., Winnipeg, Man.
John L. Cann. 97037 Yarmouth, N.S.	166 84	1891 Wood Yarmouth, N.S.	Pass. 19	Yarmouth, N.S. 14-7-17	N. A. C. A. Med.	19-7-17 14-7-18	Screw 34-6	Yarmouth and St. John	W. Cann & Son, Yarmouth, N.S.

SESSIONAL PAPER No. 23

John Logie, 94917 Saugean.	1893 Wood 25 Goderich, Ont. 1900 Rebuilt, Warton, Ont.	Fishing tug Southampton, Ont. 27-8-17	J. D.	2-10-17 27-8-18	Screw 13-5	Lake Huron..... Ont.	Juo. Logie, Southampton, Ont.
John McRae, 112539 Collingwood, Ont	1905 Wood, 23 Meaford, Ont.	Fishing tug, Killarney, Ont. 19-7-17	G. M. A.	Not issued	Screw 10-6	Georgian bay.....	A. J. Lowe, Killarney, Ont.
John Pratt, 130521 Montreal, P. Q.	1910 Steel, 79 Sorel, P. Q.	Tug..... Sorel, Que. 23-4-17	F. X. H.	9-5-17 23-4-18	Screw 54	Montreal harbour.....	Sinennes-McNaughton Line, Montreal.
John R. Moore.....	1911 Wood 43 Port Stanley, Ont.	Fishing boat. Port Stanley, Ont. 15-10-17	J. B. S.	Not issued	Screw 6-5	Lake Erie.....	J. R. Moore, Port Stanley, Ont.
John E. Stover.....	1911 Steel 45 Collingwood, Ont.	Tug, Pass 7 Blind River, Ont. 31-8-17	G. M. A.	27-8-18 27-8-18	Screw 27-3	Blind River and Sault St. Marie.	Blind River Towing Co., Blind River.
John Randall.....	1905 Composite, 53 Kingston, Ont.	Freight..... Kingston, Ont. 27-8-17	S. D. A.	4-5-17 15-4-18	Screw 13-5	Lake Ontario and Rideau canal.	Harold F. Randall, Seeley Bay, Ont.
John Rolph.....	1882 Wood, 212 Deseronto, Ont. 1908 Rebuilt, Toronto.	Freight..... Toronto, Ont. 26-4-17	T. P. T.	15-5-17 12-5-18	Twin screw..... 51-4	Soo and Quebec.....	M. J. Haney, Toronto, Ont.
John S. Thom.....	1,440 Wood, 911 Detroit, Mich.	Car ferry, Freight. Quebec, P. Q. 30-6-16	J. A. S.	29-6-17 15-11-17	Screw 111	Lake Erie and St. Law- rence river.	Quebec and Levis Ferry Co., Quebec.
Johanne W. 107666 Quebec, P. Q.	1899 Wood, 9 1912 Rebuilt, Quebec.	Tug..... Quebec, P. Q. 29-6-17	J. A. S.	29-6-17 29-6-18	Screw 2-7	Quebec harbour.....	J. S. Thom, Quebec, P. Q.
John Webster 214973 Morristown.	1917 Wood, 102 Morristown, N. Y.	Passenger, 337 Morristown, 12-7-17	T. P. T.	29-7-17 6-6-18	Screw 14	Morristown & St. Law- rence.	Brookville, Morristown Trent Co.
Joseph. 107804 St. John, N. B.	1899 Wood, 37 St. John, N. B.	Tug..... St. John, N. B. 12-7-17	M. R. D.	27-4-17 25-4-18	Screw 17	Coasting.....	Beaver Dredging Co., St. John, N. B.
Joyland 138108 Montreal.	1884 Wood, 1,070 Detroit, Mich.	Freight..... Toronto, 6-4-17	J. B. S.	7-5-17 19-4-18	Screw 88-8	Duluth & Father Point. Lake & River Trans. Co.	Lake & River Trans. Co. Montreal.
John Young 136521 Montreal, P. Q.	1910 Steel, 77 Sorel, P. Q.	Tug..... Montreal, P. Q. 19-4-17	M. E.	4-5-17 25-4-18	Twin screw..... 48	Montreal harbour.....	Harbour Commissioners, Montreal, P. Q.
Jubilee.....	1897 Wood, 11 Chatham, N. B.	Tug..... Chatham, N. B. 23-7-17	J. E. L.	30-7-17 23-7-18	Screw 8-2	Inside Escuminac vil- lage and north end of Portage Isd.	Wm. Anderson, Church Pt., N. B.
Julia V. 126445 Kenora..	1908 Wood, 22 Kenora.	Tug..... Kenora 15-5-17	C. E. D.	25-5-17 15-5-18	Screw 2-7	Winnipeg, River.....	Patrick Villeneuve, Kenora.
Julian V. O'Brien.....	1888 Wood, 31 Buffalo, N. Y. 1907 Rebuilt, Collingwood, Ont.	Tug..... Pt. Colbourne, Ont. 27-11-17	J. B. S.	Not issued.	Screw 29	Welland canal and lake Pt. Colborne	Pt. Colborne Tug Co., Port Colborne, Ont.
"Julienne" ex 138131	1914 Steel, 790 Garth Bank on Tugs.	Freight..... Quebec 1-12-17	J. A. S.	1-12-17 On arrival, Halifax.	Screw 36	Quebec & Halifax (one passage).	Cap. Maritime Co., Ltd., Montreal.
Junco. 90674 Goderich, Ont.	1887 Wood, 19 Goderich, Ont.	Fishing tug, Port Barwell, Ont. 12-10-17	J. B. S.	23-10-17 17-10-18	Screw 4-8	Lake Erie.....	Dominion Fish Co., Win- nipeg, Man.
Katherine K. 137969 Montreal, P. Q.	1915 Wood, 22 Montreal, P. Q.	Tug..... Lauzon, P. Q. 13-9-17	J. A. S.	18-9-17 13-9-18	Screw 6-5	Quebec Harbour.....	Mosses Quinlan and Robert- son, Montreal, P. Q.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—N ^{os} officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Kathleen 90574 Toronto, Ont.	110	1895 Wood. Toronto, Ont.	Pass. 200.	Toronto, Ont. 28-5-17 9-5-17	J. B. S. W. E.	28-5-17 9-5-18	Screw. 13-5	Toronto bay.	Toronto Ferry Co., Toronto, Ont.
Kawiganog 134459 Toronto, Ont.	85	1913 Toronto Rebuilt. Loring, Ont.	Tow boat	Loring, Ont. 16-9-17	S. D. A.	Not issued	Screw. 8-1	Kawiganog Lake and Wakimago.	A. Walton & Sons, Loring, Ont.
Keenan 122414 Owen Sound, Ont.	133	1907 Wood. Midland, Ont.	Tug	Owen Sound, Ont. 2-5-17	G. M. A.	7-5-17 2-5-18	Screw. 37-5	Georgian bay and lake Huron.	Keenan Towing Co., Ltd., Owen Sound, Ont.
Keenora 103680 Toronto.	535	1917 Composite. Owen Sound, Ont.	Passenger. 230	Winnipeg. 12-6-17	W. J. V. W. J. V.	23-6-17 12-6-17	Twin screw. 38	Red River & Victoria Beach.	Lake Winnipeg Navigation Co.
Keewatin 125985 Montreal, P.Q.	3,856 2,470	1897 Kenora. 1907 Steel. Govan, G.B.	Pas. 246.	Port McNicoll, Ont. 20-4-17 29-5-17	G. M. A. S. D. A.	5-6-17 12-6-18	Screw. 298-6	Fort William and Pt. McNicoll.	Can. Pac. Railway Co., Montreal, P.Q.
Keith Cann. 13170 Yarmouth.	299	1917 Wood. Shelburne, N.S.	Freight and Passenger. 28	Yarmouth. 27-18-12-17 4-1-18	N. A. C. A. M.	28-12-17 28-12-18	Screw. 53	Yarmouth & St. John.	Hugh Cann & Sons, Yarmouth.
Kenirving 107745 Kingston, Ont.	145	1900 Wood. Smith Falls, Ont.	Freight and sand sucker	Hall, P.Q. 18-6-17	J. E. L.	Not issued.	Screw. 4	Ottawa and Rockland.	H. Dupuis & Son, Hull, P.Q.
Kenogami Alligator No. 117		1911 Wood. Lako Kenogami.	Tug	Lake Kenogami. 17-5-17	J. A. S.	Not issued.	Paddle 3	Lake Kenogami.	Chicoutimi Pulp Co., Chicoutimi.
Kenogami 88329 Quebec, P.Q.	27	1886 Wood. Quebec, P.Q.	Tug.	Montmaguy, P.Q. 28-5-17	J. A. S.	Not issued.	Screw. 17	Saguway river.	Messrs Price & Bros., Quebec, P.Q.
Kenozha. 85542 Toronto, Ont.	225	1918 Montmaguy. 1883 Wood. Gravenhurst, Ont.	Pass 300.	Gravenhurst, Ont. 23-4-17	J. D. S. D. A.	24-7-17 23-4-18	Screw. 20-9	Muskoka lakes.	Muskoka lakes Nav. Co., and Hotel Co., Gravenhurst, Ont.
Kenton 103773 St. John, N.B.	46	1909 Wood. St. John, N.B.	Tug.	Pt. Carling. 13-5-17 St. John, N.B. 14-4-17	C. E. D.	21-4-17 14-4-18	Screw.	Inside Musquash Ild. and Cape Spencer.	J. S. Gregory, St. John, N.B.
Keybell 131111 Montreal, P.Q.	1,730	1912 Steel. Collingwood, Ont.	Freight.	Kingston, Ont. 21-4-17	T. P. T. M. R. D.	28-4-17 18-4-18	Screw. 95-5	Ft. William and Father Pt.	Keystone Trans. Co., Montreal, P.Q.
Keynor 133558 Newcastle, G.B.	1,806	1914 Steel. Londonderry, G.B.	Freight.	Kingston, Ont. 21-4-17	T. P. T. M. R. D.	30-4-17 13-4-18	Screw. 95-5	Ft. William and Father Pt.	Keystone Trans. Co., Montreal.
Keyport 125459 Newcastle, Eng.	1,721	1909 Steel. Newcastle-on-Tyne.	Freight.	Kingston, Ont. 17-4-17	T. P. T. M. R. D.	28-4-17 18-4-18	Screw. 87-1	Ft. William and Father Point.	Swan Hunter and others, Wallsend, Eng.
Keywest. 125458 Newcastle, Eng.	1,725	1909 Steel. Newcastle-on-Tyne.	Freight.	Kingston, Ont. 17-4-17	T. P. T. M. R. D.	30-4-17 17-4-18	Screw. 87-1	Ft. William and Father Pt.	Swan Hunter <i>et al</i> , Wallsend, Eng.

SESSIONAL PAPER No. 23

Kildala 188162	Vancouver, B.C.	Tug.....	Vancouver, B.C. 10-5-17	H. G. R.....	11-5-17 9-5-18	Screw.....	Head of Dean canal (sheltered waters), B.C.	Kildala Boeking Co., Van- couver, B.C.
Kildonan 90888	Vancouver, B.C.	Tug.....	Vancouver, B.C. 11-3-18	A. E. H.....	12-3-18 16-2-19	Screw.....	Vancouver & Straits of Georgina.	Eyans Coleman & Evans, Vancouver, B.C.
Kinburn 126828	Lambert, N.S.	Pass.....	Halifax, N.S. 20-4-17	N.A.C. A. McD.	20-4-17 20-4-18	Screw.....	Mudgrave & Pleasant bay.	North Bay Steamship Co., Port Hood, N.B.
King Albert Charlottetown.	Wood.....	Passenger.....	Summerside 25-9-17	G. F. D. W. R. B. J. T. G.	Not issued.	Screw.....	Summerside to Beloeue	P.C. Gallant, Summerside
King Edward 103818	Bellefleur, Ont.	Tug.....	Callander, Ont. 25-9-17	J. T. G.	25-7-17 18-7-18	Screw.....	Lake Nipissing.....	Mrs. Emma J. Darling, Call- ender.
Kinston 111654	Toronto, Ont.	Pass.....	Toronto. 23-5-17	J. B. S. W. D.	5-6-17 5-6-18	Paddle.....	Toronto and Prescott via Charlottet.	Belchell and Ontario Nav. Co., Montreal.
Kingsway 122938	Vancouver.	Fishing boat.....	Vancouver. 1-4-17	A. F. H. A. E. H.	22-3-18 20-2-19	Screw.....	Vancouver & Coast Class IV, C. T.	Can. Fish Co., Ltd., Van- couver.
Kingsville 94700	St. John, N.B.	Tug.....	2nd Insp. St. John, N.B. 18-7-17	A. E. H. C. E. D.	18-7-17 18-7-18	Screw.....	Inside Musquash Hd. Hd. and Cape Spencer	A. Sewell, Gibson, N.B.
Klulane 126942	Victoria, B.C.	Freight pass. 10.	White Horse, Y.T. 23-6-17	A. F. A. F.	23-6-17 22-6-18	Stern wheel.....	Yukon river.....	Taylor & Drury, White Horse, Y.T.
Kokanee 103305	New Westminster.	Freight pass. 186.	Nelson, B.C. 19-5-17	H. G. R. W. J. C.	16-5-17 11-5-18	Stern wheel.....	Nelson and Kaslo.....	Canadian Pacific Railway, Montreal, P.Q.
Konstanz 103104	Vancouver, B.C.	Freight pass. 222.	Nakus, B.C. 23-5-17	W. J. C. W. J. C.	31-5-17 10-5-18	Stern wheel.....	Arrowhead and Robson Montreal, P.Q.	Canadian Pacific Railway, Montreal, P.Q.
Kushnook 121758	Vancouver, B.C.	Freight pass. 270.	Nelson, B.C. 11-5-17	W. J. C. W. J. C.	21-5-17 18-5-18	Stern wheel.....	Nelson and Kaslo.....	Canadian Pacific Railway, Montreal.
Kyle 135532	St. John's, Nfld.	Pass.....	North Sydney, N.S. 8-5-17	D. J. M. A. Mc. D.	16-5-17 7-5-18	Screw.....	North Sydney and St. Johns, Nfld.	Reid, Nfld. S.S. Co., St. Johns, Nfld.
L. C. L. V. 126510	Victoria, B.C.	Fishing tug.....	Victoria, B.C. 24-7-17	B. M.	25-7-17 23-7-18	Screw.....	Victoria-Nanaimo.....	F. L. Smith, Victoria, B.C.
L. O. B. Co. 131730	Deck Island.	Tug.....	Ottawa. 21-5-17	J. E. L.	24-8-17 21-5-18	Screw.....	Ottawa & Grenville.	Lower Ottawa Boom Co
L. Paul 126453	Sorel, P.Q.	Tug.....	Sorel, P.Q. 4-9-17	F. X. H.	6-9-17 4-9-18	Screw.....	Sorel harbour.....	A. Durochers, Quebec, P.Q.
L. Robidoux 126890	Sorel, P.Q.	Tug.....	Sorel, P.Q. 9-6-17	F. X. H.	14-6-17 9-6-18	Screw.....	Montreal & St. Francois river.	M. Robidoux, Yamaska, P.Q.
La Belgique 11	Toronto.	Tug.....	Shawinigan Falls 5-9-17	F. X. H.	Not issued.	Paddle.....	Shawinigan Falls.....	The Belge Co., Shawinigan Falls.
Le de Bonnet 11	Wood. Simcoe, Ont.	Tug.....	Sawridge Lbr. Camp. 17-5-17	J. T. M.	Paddle.....	Paddle.....	Lesser Slave Lake, (Class IV).	Northwest Lumber Co. Edmonton.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms des officiers—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Anciè et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expire. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Lachine 13125 Ottawa, Ont.	26 15	1912 Wood Ottawa, Ont.	Tug. Tug.	Montreal, P.Q. 29-9-17	J. E. L.	24-9-17 31-3-18	Screw 16-6	Lachine canal Ottawa.	Dept. Railways and Canals, Ottawa.
Lady Evelyn 109680 Quebec.	483 39	1901 Steel Tanners, G.B.	Pass. Ice-breaker.	Quebec, P.Q. 8-5-17	J. A. S.	Not issued	Twin screw 151-6	Mail tender at Rimouski Post Office Dept., Ottawa.	Post Office Dept., Ottawa.
Lady Grey 122014 Ottawa.	733 65	1905 Steel Barrow-in-Furness, G.B.	Ice-breaker.	Sorel 22-11-16	F. X. H.	Not issued	Twin screw 246-1	All Canadian ports.	Minister of Marine and Fisheries, Ottawa.
Lady Laurier 112399 Ottawa.	1,051 413	1902 Steel Paisley, G.B.	Buoy service	Dartmouth, N.S. 24-4-18	N. A. C. A. McD.	25-2-18 24-1-19	Twin screw 186-4	Coasting, N.S.	Minister of Marine and Fisheries, Ottawa.
Lady Mackworth Winnipeg (intended).	21 14	1916 Wood Peace River, Alta.	Freight Pass, 10	Peace River, Alta. 1-6-17	J. T. M. J. T. M.	1-6-17 1-6-18	Twin screw 3-7	Hudson's Hope to Ver- million Chutes.	Peace River Tramway and Nav. Co., Peace River, Alta.
Lady Minto 11681 Ottawa	403 251	1903 Steel Temiscaming	Tug.	White River, 25-5-17	J. E. L.	31-5-17 25-5-18	Puddle 61-4	Lake Temiscaming.	Upper Ottawa Improv. Co Commission.
Lady of Gaspe 78554 Quebec, P.Q.	1,237 774	1877 Iron. Port Glasgow, G.B.	Freight	Stamford, Conn. 15-8-17 14-8-17	N. A. C. A. McD	15-8-17 15-8-18	Screw 115-3	New York and Foreign.	Nova Scotia S.S. Co, Ltd., New York, N.Y., U.S.A.
La Have 1,6742 Halifax, N.S.	88 60	1888 Wood Pocomoke, U.S.A.	Tug & Pass. 16	Halifax, N.S. 8-7-17	D. J. M. A. McD.	10-7-17 7-7-18	Screw 24	Halifax and La Have, N.S.	Halifax and La Have S.S. Co., Halifax, N.S.
Laird MacAulay 111975 Southampton, Ont.	88 60	1907 Wood Wallaceburg, Ont.	Tug.	Midland, Ont. 9-7-17	A. McD. G. M. A.	Not issued.	Screw 24-8	Georgian Bay.	Can. Dredging Co., Ltd., Midland, Ont.
Lake Bonaventure 134084 Vancouver.	28 16	1914 Wood Vancouver, B.C.	Pass. 60	Vancouver, B.C. 24-4-17	A. E. H.	28-4-17 8-4-18	Screw 2-5	Vancouver and Indian river.	Harbour Shipping Co., Ltd., Vancouver, B.C.
Lake Michigan 88557 Hamilton, Ont.	492 157	1873 Wood Hamilton, Ont.	Freight.	Toronto, Ont. 1-9-17	J. B. S. W. E.	4-9-17 3-9-18	Screw 51-8	Sault Ste. Marie and Quebec.	Pt. Anne Quarries Ltd., Toronto, Ont.
Lakeside 90778 Windsor, Ont.	348 220	1888 Wood Windsor, Ont.	Tug.	Pt. Colborne, Ont. 2-5-17	J. B. S.	9-6-17 2-5-18	Screw 43-76	Port Colborne and Pt. Stanley.	Michael Jos. Hogan, Port Colborne, Ont.
Lambton 126409 Ottawa, Ont.	323 182	1908 Steel Sorel, P.Q.	Tug. Pass.	Parry Sound, Ont. 10-4-17	J. D.	Not issued.	Twin screw 89-6	Rivers and lakes.	Minister M. and F., Ottawa.
Lanoraie 126858 Sorel, P.Q.	90 31	1899 Wood Sorel, P.Q.	Tug.	Sorel, P.Q. 2-5-17	F. X. H.	Not issued.	Screw 17-5	St. Lawrence river.	Minister M and F., Ottawa.
Lanudo 134519 Narnia.	2,292 1,656	1890 Wood West Bay City	Freight.	Buffalo 29-5-17	W. E.	31-5-17 29-5-17	Screw	All Lakes and Rivers.	Thos. Lamman Port Colborne
		1917 Repairs Buffalo.							

SESSIONAL PAPER No. 23

Location	Number	Year	Material	Weight	Class	City	Not issued	Screw	Coasting	Minister of Marine
Lansdowne 90664 Ottawa.	680	1889 Wood	Govt. Soc.	10-15-5-17	N.A.C.	Halifax	Not issued.	Screw 81	Coasting.....	Minister of Marine.
Lansdowne 88629 Windsor, Ont.	463	1884 Iron	Car ferry	8-10-17	J. D.	Windsor, Ont.	18-10-17	Paddle.....	Windsor and Detroit.....	Grand Trunk Ry. Co., Montreal, Que.
Lansdowne 11225 St. John, N.B.	907	1884 Iron	Pass. 287	12-10-17	W. E.	Windsor, Ont.	5-10-18	166		
Lansdowne 90884 Yarmouth, N.S.	29	1902 Wood	Tug.	21-5-17	C. E. D.	St. John, N.B.	25-5-17	12	Inside Musquash Head and Cape Spencer.	St. John River Log Driving Co., Fredericton, N.B.
Lansdowne 116989 Kenora, Ont.	155	1888 Wood	Pass & Frt.	29-6-17	N. A. C.	Yarmouth, N.S.	5-7-17	49-7	Coasting.....	H. Cann and Sons, Yar- mouth, N.S.
Lansdowne 107171 Port Arthur, Ont.	17	1905 Wood	Tug.	29-8-17	W. J. V.	Fort Frances, Ont.	31-8-17	6	Rainy River.....	Geo. Allen, Fort Frances,
Lansdowne 135867	86	1900 Wood	Pass. & Tug	6-7-17	W. J. V.	Port Arthur, Ont.	7-7-17	31-8	From Port Arthur not to exceed 100 miles.	Lake Superior Tug Co., Port Arthur.
Laurencia 126485 Montreal, P.Q.	1,357	1917 Wood	Freight.	25-5-17	B.M.	Victoria	12 6 17	18	Can. & Foreign Ports	Canada West Coast Nav. Co., Vancouver.
Laurentian 113641 Quebec, P.Q.	346	1909 Wood	Pass. 300	3-5-17	J. D.	Montreal, P.Q.	4-5-17	26	Montreal and Valleyfield	H. Sioctie, Valleyfield, P.Q.
Laurois 126843 Quebec.	355	1902 Steel	Patrol boat	27-4-17	J. A. S.	Quebec	Not issued.	64-9	Coasting	Naval Service, Ottawa.....
Lavolette 133906 Sorel, P.Q.	155	1910 Steel	Freight and pass. 400	11-4-17	J. A. S.	Quebec	26-4-17	7	Quebec and Lévis.....	La Traversée de Lévis, Lévis, P. Q.
Lavolette 122994 Victoria, B.C.	281	1912 Steel	Tug.	13-4-17	F. X. H.	Sorel, P.Q.	Not issued.	40-3	St. Lawrence river.....	Minister M. and F., Ottawa.
Lavolette 112933 Collingwood.	213	1912 Steel	Tug.	10-4-17	F. X. H.	Sorel, P.Q.	Not issued.	40-3	St. Lawrence river.....	Minister M. and F., Ottawa.
Lavolette 138064 Ottawa.	213	1911 Steel	Tug.	10-4-17	F. X. H.	Sorel, P.Q.	Not issued.	40-3	St. Lawrence river.....	Minister M. and F., Ottawa.
Lavolette 129904 Victoria, B.C.	323	1908 Wood	Light house (tender and pass. 10	26-7-17	B. M.	Victoria	30-7-17	32-5	Victoria and Queen Charlotte Islds.	Crescent Shipping Co. Ltd., Victoria, B.C.
Lavolette 112933 Collingwood.	198	1904 Wood	Fishing tug	20-7-17	G. M. A.	Killamey, Ont.	25-7-18	10-6	Georgian bay.....	T. and S. Dreyer, Colling- wood, Ont.
Lavolette 138064 Ottawa.	36	1904 Wood	Ferry & Pass	23-5-17	J. E. L.	La Pas, P.Q.	Not issued.	10-6	Georgian bay.....	T. and S. Dreyer, Colling- wood, Ont.
Lavolette 134138 Quebec.	17	1909 Wood	Pass and freight 510	15-9-17	F. N. H.	Three Rivers, P.Q.	17-9-17	37-5	Three Rivers and Ste. Angèle	Corporation of the Town of Three Rivers.
Lavolette 117112 Vancouver, B.C.	465	1914 Steel	Tug.	29-2-18	H. G. R.	N. Vancouver, B.C.	15 9-18	51-5	Vancouver and Straits of Georgia.	T. J. Kieklam, Vancouver, B.C.
Lavolette 126842 Quebec.	242	1905 Wood	Passenger & freight 400	11-4-17	J. A. S.	Quebec, P.Q.	1-3 18	7	Quebec and Lévis ferry.	La Traversée de Lévis, Lévis, P.Q.
Lavolette 133904 Sorel, P.Q.	281	1910 Steel	Tug.	25-4-17	F. X. H.	Sorel, P.Q.	18-2 19	48	Montreal and Quebec.	Minister, Marine and Fish- eries, Ottawa.
Lavolette 133904 Sorel, P.Q.	185	1902 Wood	Tug.	13-4-17	F. X. H.	Sorel, P.Q.	11-4-18	7	Montreal and Quebec.	Minister, Marine and Fish- eries, Ottawa.
Lavolette 133904 Sorel, P.Q.	88	1902 Wood	Tug.	18-7-17	F. X. H.	Sorel, P.Q.	Not issued.	48	Montreal and Quebec.	Minister, Marine and Fish- eries, Ottawa.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Nombres officiels—Ports d'enregistrement.	Where and when Built—Material. Année et lieu de construction—Matériau de la coque.	Tonnage.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificates Issued—Expire. Certificats Délivrés—Expiration.	Propulsion—N. I. P. Propulsion—N. en H. P.	Routes.	Name and Address of Owners. Noms et adresses des propriétaires.
Liberty. 116279 Halifax, N.S.	1903 Wood. Shed Hbr., N.S.	96	Tug.	Dartmouth, N.S. 21-9-17	D. J. M.	29-9-17 21-9-18	Screw. 18-3	Halifax hbr.	Standard Construction Co., Halifax, N.S.
Lilla. 85943 Chatham, N.B.	1883 Wood. Yarmouth, N.S.	72	Tug.	St. John, N.B. 15-10-17	C. E. D.	17-10-17 15-10-18	Screw. 24	Coasting	R. C. Hendry, Ltd., Halifax, N.S.
Liliasst. 12236 Victoria, B.C.	1908 Steel. Esquimalt, B.C.	575	Survey boat	Esquimalt, B.C. 2-4-17	W. J. C.	12-4-17 1-4-18	Twin screw. 91-5	Pacific coast.	Minister M. and F., Ottawa.
Lily. 94985 Toronto, Ont.	1800 Wood. Oakville, Ont. 1909 Victoria.	311	Tug.	Victoria, Harbour. 19-9-17	G. M. A.	1-10-17 19-9-18	Screw. 3-3	Victoria harbour.	Victoria Harbour Lumber Co., Toronto, Ont.
Lilly Glazier. 80020 St. John, N.B.	1880 Wood. Halifax.	209	Tug.	St. John, N.B. 21-5-17	C. E. D.	28-5-17 21-3-18	Paddle. 41-9	Inside Musquash Cape Spencer.	D. D. Glazier and Sons, Lincoln, N.B.
Lilly May 103574 Midland.	1905 Wood. North River, Ont.	11	Tug.	Ponchartraine. 25-5-17	G. M. A.	20-10-17 25-3-18	Screw. 1	Ponchartraine & Killarney.	Geo. Donis, Ponchartraine.
Lina. 102723 Chatham, N.B.	1894 Wood. Black Brook, N.B.	26	Tug.	Chatham, N.B. 25-7-17	C. E. D.	30-7-17 23-7-18	Screw. 10-7	Inside Esquimaux and north of Portage Isd., N.B.	A. R. Loggie, Loggieville, N.B.
Linda. 110008 New Westminster.	1904 Wood. Vancouver, B.C.	37	Tug.	New Westminster. 16-7-17	A. E. H.	18-7-17 30-9-17	Screw. 9-1	Fraser river.	Canada Fish Products Co., London.
Lingan, Montreal 132840	1911 Steel. Middlesborough, C.B.	4,677	Freight.	Louisburg, N.S. 17-1-18 17-1-18	N. A. C. A. McD.	19-1-18 17-1-19	Screw. 347	Coasting and foreign.	Lingan Steamship Co. Ltd., Halifax.
Lintonia 126723 Peterboro, Ont.	1910 Wood. Lakefield, Ont.	58	Pass. 196	Lindsay, Ont. 18-8-17 18-8-17	A. McD. T. P. T. W. E.	25-8-17 10-7-18	Screw. 8-2	Pont Valley canal.	C. F. Grey, Lakefield, Ont.
Lisgar. 122772 Winnipeg, Man.	1910 Wood. Selkirk, Man.	46	Tug.	Selkirk, Man. 19-5-17	W. J. V.	28-5-17 19-5-18	Screw. 2-7	Red river.	Minister Public Works, Ottawa, Ont.
Lisgar. 126483 Montreal, P.Q.	1909 Steel. Sorel, P.Q.	210	Tug.	Halifax, N.S. 30-1-17 12-5-17	D. J. M. A. McD.	28-5-17 30-4-18	Screw. 46-8	Coasting.	Minister Public Works, Ottawa, Ont.
Lizbeth. 126447 Kenora, Ont.	1909 Wood. Fort Frances, Ont. 1902 Rebuilt.	17	Tug.	Fort Frances, Ont. 29-8-17	W. J. V.	31-8-17 29-8-18	Screw. 3-5	Rainy river and Rainy lake.	Peter L. Calder, Fort Frances, Ont.
Lloyd, S. Porter. 94927 Montreal, P.Q.	1883 Wood. Port Huron, Mich. 1900 Picton, Ont.	489	Freight.	Sorel, P.Q. 17-4-17 Montreal, 9-5-17	E. X. H. P. D.	15-5-17 17-4-18	Screw. 42-6	Prie and River St. Law- rence.	A. Larock, Montreal, P.Q.

SESSIONAL PAPER No. 23

Long Sault..... 129853 Sorel.....	69 1911 Wood..... 29 Sorel, P.Q.	Tug..... 10-5-17	J. E. L.	10-5-17 10-5-18	Screw..... 28-1	Ottawa and Oka..... P.Q.	Geo. Dansereau, Grenville, P.Q.
Louguail..... 90531 Montreal, P.Q.	365 1884 Wood..... 220 Montreal, P.Q.	Ferry..... 800	F. N. H. P. D.	29-5-17 14-5-18	Paddle..... 43-2	Montreal and Ste-Helene Island..... Montreal, P.Q.	Canada Steamship Line., Montreal, P.Q.
Lo Olbec..... 130856 Vancouver, B.C.	40 1911 Wood..... 27 Vancouver, B.C.	Pass..... 40	H. G. R.	30-3-18 15-3-19	Screw..... 2-6	Vancouver and Indian River..... Vancouver, B.C.	Harbour Shipping Co., Ltd., Vancouver, B.C.
Lord Beresford..... 126716 St. John, N.B.	112 1909 Steel..... 18 Pausley, G.B.	Tug..... 30-17-17	D. J. M.	30-7-17 30-7-18	Screw..... 32-6	Halifax to England..... Camadan and Foreign Ports..... Paris.	Maritime Dredging and Cons. Co., St. John, N.B. Gaston, Wignore & Wil- liams, Toronto.
Lord Dufferin..... 108624 Montreal.....	4,664 1898 Steel..... 3,097 Newcastle, Eng.	Freight..... 12-4-18	W. R. B.	13-4-18 13-4-18	Screw..... 13-4-18	Canadian and Foreign Ports..... Paris.	Gaston, Wignore & Wil- liams, Toronto.
Lord Strachona..... 99478 Quebec, P.Q.	465 1902 Steel..... 76 South Shields, G.B.	Tug..... 378	J. A. S. P. D.	30-5-17 30-5-18	Twin screw..... 212-46	Montreal and Gulf..... Coasting.....	Quebec Salvage and Wreck- ing Co., Quebec.
Lord Woolsey..... 116723 St. John, N.B.	73 1905 Wood..... 50 Parrsboro, N.S.	Tug..... 19-12-17	C. E. D.	24-12-17 24-12-18	Screw..... 17	Coasting.....	Maritime Dredging and Cons. Co., St. John, N.B.
Loretta..... 122480 Ottawa.....	75 1907 Composite..... 31 Toronto, Ont.	Tug..... 19-4-17	J. E. L.	23-4-17 19-4-18	Screw..... 13-4	Rideau canals..... Montreal and Valley- field.....	Minister of Railways and Canals, Ottawa, Ont.
Lorance..... 126485 Montreal, P.Q.	346 1909 Wood..... 205 Valleyfield, P.Q.	Pass freight..... 330	J. E. L. P. D.	4-5-17 3-5-18	Twin screw..... 26	Montreal and Valley- field.....	Horace Scotte, Valleyfield, P. Q.
L'Orignal Bay..... 152931 Montreal.....	33 1912 Wood..... 16 L'Orignal.	Tug..... 27-6-17	J. E. L. M. R. D.	4-9-17 27-7-18	Screw..... 5	Twin Falls & Mathewson..... Vancouver & Prince Rupert, Class IV, C.T.	Abitibi Power and Pulp Co. G.T.P.Ry., Montreal.
Lorne..... 94809 Victoria.....	288 1889 Wood..... 150 Victoria.	Tug..... 11-2-18	A. E. H.	15-1-18 13-12-18	Screw..... 13	Rule B..... Montreal and Lac St. Pierre.....	A. McKenzie, Victoria, B.C. Minister of Marine and Fish- eries, Ottawa.
Lornet Ex "Wezia" 133696 Victoria.....	79 9001 Wood..... 39 Ballard.	Tug..... 14-12-17	B. M.	Not issued.	Twin screw..... 40	Weymouth & Tiverton Pier.....	St. Mary's Bay S.S. Co. Little River.
Lothaire..... 126458 Sorel.....	446 1902 Wood..... 47 Sorel, P.Q.	Tug..... 13-5-17	F. N. H.	13-5-17	Screw..... 8-2	Weymouth & Tiverton Pier.....	St. Mary's Bay S.S. Co. Little River.
Lottie and Marguerite..... 126341 Barrington, N.S.	32 1908 Wood..... 22 Shelburne, N.S.	Frt & pass..... 12	N. A. C. A. M. D.	19-7-17 13-7-18	Screw..... 8-2	Weymouth & Tiverton Pier.....	St. Mary's Bay S.S. Co. Little River.
Louis Joseph..... 126931 Quebec.....	61 1911 Wood..... 40 St. Anne.	Pass..... Freight..... 2	J. A. S. P. D.	22-6-17 21-5-18	Twin screw..... 4-2	Chicoutimi and Les Terres Rompuces, Saguenay River, Montreal and Longueuil	Les E. Gagnon, Ste. Anne. The Canada S.S. Lines, Ltd.
Louis Philippe..... 134491 Quebec.....	600 1914 Steel..... 21 Levis, P.Q.	Pass..... Freight..... 500	J. E. L. P. D.	12-5-17 3-5-18	Screw..... 58-4	Foreign going.....	Dominion S.S. Louisburg Co., Ltd., Montreal, P.Q.
Louisbourg..... 75852 Montreal.....	1816 1881 Steel..... 1182 Sunderland, G.B.	Freight..... 8-8-17	D. J. M. A. M. D.	20-8-17 8-8-18	Screw..... 175	Station Lower Traverse..... Roberval & St. Melchior, Jos. Matte, St. Melchior.	Minister of Marine & Fish- eries.
Lower Traverse No. 20 Ex. "Article" 116992 Quebec.....	762 1901 Wood..... 518 Kiel Germany.	Light ship..... Pass & 10 Tug.....	J. A. S. P. D.	Not issued. 15-8-17	Screw..... 45-3	Station Lower Traverse..... Roberval & St. Melchior, Jos. Matte, St. Melchior.	Minister of Marine & Fish- eries.
Loop Marlon..... Quebec.....	18 917 Wood..... 12 St. Melchior	Pass & 10 Tug.....	P. D.	Not issued.	Twin screw..... (Gasoline)	Roberval & St. Melchior, Jos. Matte, St. Melchior.	Minister of Marine & Fish- eries.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Tug.—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Lowmoore..... 126297 Sorel, P.Q.	14 10	Iron.....	Tug.....	Cedars, P.Q. 1-10-16	J. E. L.	.....	Screw..... 3-3	Inlet, Cedars Rapid Power House.	T. C. Simpson, Montreal P.Q.
Loyalist..... 89947 Chatham, N.B.	18 11	1884 Wood Chatham, N.B.	Tug.....	Newcastle, N.B. 27-7-17	C. E. D.	30-7-17 27-7-18	Paddle..... 4-2	Inside Escominac Village and north end of Portage Isd.	L. A. Fleck, Nelson, N.B.
Lucina..... 103969 Montreal.	11 28	1898 Wood. Sorel.	Tug.....	Montreal. 1-4-17	J. E. L.	31-4-17 4-4-18	Screw..... 28	Montreal & Prescott.....	Plantyne Transp. Co.
Lucina..... 121668 Quebec.	31 22	1905 Wood. Portland, P.Q.	Tug.....	Three Rivers, P.Q. 6-8-17	F. X. H.	11-8-17 6-8-18	Screw..... 3-3	Three Rivers harbour.	L. E. Dufresno and Marchildon, St. Maurice, P.Q.
Lucnow..... 88623 Midland	256 174	Wood. 1870 St. Saginaw, Mich. 1901 Collingwood, Ont.	Tug.....	Midland 14-4-17 2nd Insp., 31-10-17	G. M. A. G. M. A.	26-4-17 14-4-18	Screw..... 69	Georgian Bay & Lake Huron.	Midland Transp. Co., Ltd.
Lucy Clive..... 116646 Ottawa, Ont.	13	1916 Midland, Ont. 1900 Wood. 9 Port Hawkesbury, Ont.	Tug.....	Halifax, N.S. 10-11-17	D. J. M.	13-11-17 13-11-18	Screw..... 1-2	Halifax harbour.....	F. W. Mosher, Halifax, N.S.
Ludlow..... 121831 St. John, N.B.	534 363	1905 Steel. St. John, N.B.	Ferry..... 487	St. John, N.B. 16-11-17 2-11-17 25-4-17	C. E. D. W. R. B.	22-11-17 15-5-18	Screw..... 33-2	St. John and St. John West.	Corporation of the City of St. John, N.B.
Luella..... 80591 Toronto, Ont.	38 26	1880 Wood. Toronto, Ont.	Ferry.....	Hanlans Pt., Ont. 25-4-17	J. B. S.	Not issued.	Screw..... 2-07	Toronto bay.....	Toronto Ferry Co., Toronto, Ont.
Lulu Eddy..... 116250 Sault Ste. Marie.	18	1909 Wood. Collingwood.	Tug.....	Little Current. 7-7-16	E. W. McK.	.....	Screw..... 6-5	Georgian Bay & North Channel.	C. S. Boon Dredg. & Cons. Co., Toronto, Ont.
Lulu May..... 136323 Port Stanley.	34 23	1910 Wood. Collingwood.	Tug..... (fishing).	Port Stanley. 12-10-17	J. R. S.	20-10-17 12-10-18	Screw..... 4-8	Lake Erie, Class IV Inl.	Albert Vary, Port Stanley.
Lumberman (Allig Tug).....	.....	Wood. Simcoe, Ont.	Tug..... (Allig).	Big River, Sisk. 8-9-17	J. T. M.	Not issued.	Paddle..... 2	Mill Pond, Class IV.....	Ladder Lake Lbr. Co., Sisk.
Lureher..... Ottawa, Ont.	396 229	1903 Steel. Toronto, Ont.	Lightship.....	Yarmouth, N.S. 17-9-17 17-9-18	N. A. C. A. M. C.	27-9-17 17-9-18	Screw..... 16-1	Coasting.....	Minister Marine & Fisheries, Ottawa.
Lynn B..... 139975 Collingwood, Ont.	124 85	1913 Wood. Wood.	Tug.....	Port Dalhousie, Ont. 24-8-17	J. B. S.	Not issued.	Screw..... 37-5	New Welland canal and lake.	C. S. Boon Dredg. & Cons. Co., Toronto, Ont.
M. C. M..... 134119 New Westminster	73 46	1914 Wood New Westminster.	Tug.....	New Westminster. 28-2-18	H. G. R.	28-2-18 27-2-19	Screw..... 16	New Westminster and Straits of Georgia.	Jos. Mayers, New Westminster.
M. T. C. No. 1..... 130797 Vancouver, B.C.	20 14	1900 Wood. Beach, Wash.	Tug.....	Vancouver, B.C. 15-10-17	A. E. H.	15-10-17 14-10-18	Screw..... 6	Vancouver harbour.....	A. M. Snider, Vancouver, B.C.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. ch H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Majestic 107693 Montreal, P.Q.	275 156	1899 Steel Toronto, Ont.	Freight. Pass. 315	St. John, N.B. 3-4-17 20-4-17	C. E. D. W. R. B.	21-4-17 3-4-18	Screw 36-2	St. John river and tributaries.	Crystal Stream S.S. Co., South Bay, N.B.
Majestic 121771 Winnipeg, Man.	127 86	1904 1915, Wood. Selkirk, Man.	Pass. & Pkt. Freight.	Winnipeg, Man. 4-10-17 25-7-16	W. J. V.	Not issued.	Screw 4-5	Winnipeg lake and Red river.	Messrs Bellenillo & Huntehinson, Winnipeg, Man.
Major 134263 Midland, Ont.	2149 1721	1889 Wood. West Bay City.	Freight.	Midland, Ont. 14-4-17 26-4-17	G. M. A. S. D. A.	5-5-17 26-4-18	Screw 137-6	Inland lakes and rivers.	Great Lakes Nav. Co., Midland, Ont.
Mellon 130439 Sarina, Ont.	1650 987	1888 Composite Detroit, U.S.	Freight.	Fort William, Ont. 16-4-17 1-5-17	W. J. V. W. J. V. W. E. E.	22-7-17 16-4-18	Screw 103-3	Duluth and Point.	Father A. T. Matthews, Toronto, Ont.
Manita 107875 Lindsay, Ont.	34 23	1900 Wood Bobbyeagon, Ont.	Pass. 147	2nd Inspection 23-10-17 Lakelield, Ont. 7-8-17 Young's Point 16-8-17	T. P. T. W. E. E.	26-8-17 16-8-18	Screw 8-2	Trent Valley canal.	F. G. Young, Peterboro, Ont.
Manitoba 94876 Montreal, P.Q.	2616 1699	1889 Steel Owen Sound, Ont.	Pass. 232	Port McNicoll, Ont. 19-4-17 17-5-17	G. M. A. S. D. A.	19-5-17 17-5-18	Screw 163-5	Port McNicoll to Fort William.	Canadian Pacific Railway, Montreal.
Manitou No. 138			Tug. (Alligator).	Seven Islands, 16-6-17	J. A. S.	Not issued.	Twin screw. 2	Seven Islands Bay.	Gulf, P. & P. Co., Quebec.
Manitou. 107140 Goderich, Ont.	470 297	1912 Wood. 1903 Wood. Goderich, Ont.	Pass. 124. Freight.	Goderich, Ont. 1-5-17 3-5-17	G. M. A. S. D. A.	8-5-17 3-5-18	Screw 42-7	Owen Sound and Michi- picoon.	Domain Fish Co., Winni- peg, Man.
Manitou. 111451 Winnipeg, Man.	108 59	1910 Wood. Winnipegosis.	Fishing tug.	Winnipegosis, 21-9-17	W. J. V.	24-9-17 24-9-18	Screw 16-7	Lake Winnipegosis.	Armstrong Trading Co., Winnipeg, Man.
Mapleton 123961 Sunderland, Eng.	473 1140	1909 Steel Sunderland, Eng.	Freight.	Kingston 16-4-17 21-4-17	T. P. T. M. R. D.	30-4-17 16-4-18	Screw 106-3	Great Lakes and Coast. ing.	Merchants Mutual Line, Toronto.
Margaret 122123 Halifax, N.S.	195 100	1906 Wood. Sheet Harbour.	Freight. Pass.	Halifax, N.S. 4-10-17 3-10-17	D. J. M. A. McD.	20-10-17 4-10-18	Screw 27-7	Halifax and Sheet Har- bour C. B.	Halifax and Sheet Har- bour S.S. Co., Halifax.
Margaret A. Hackett. 121016 Montreal.	192 83	1913 Wood Quebec.	Tug. 38	Trouton 19-4-17	T. P. T.	30-4-17 1-4-18	Screw 50-5	Lake Erie and Gaspé.	Canada Shipping Co., Mon- treal.
Margaret Haney 138553 Vancouver.	1,372 800	1917 Wood. Victoria.	Freight.	Victoria 6-4-17	B. M.	26-4-17 5-4-18	Twin screw. 36	Canadian and Foreign Ports.	Canada West Coast Nav. Co., Vancouver.
Margaret Annopolis. 126804	107 46	1910 Wood. Margaretville.	Freight.	Margaretville, 12-7-17	N. A. C.	18-7-17 12-7-18	Screw 19-8	Margaretville and Bay of Fundy ports.	Margaretville S.S. Co., Mar- garetville, N.S.
Mario Louise. 92754 Quebec.	99 631	1889 Wood. Levis, P.Q.	Freight.	Ste. Anne de Chicoutimi 21-5-17	J. A. S.	Not issued.	Paddle 28	Saguenay river.	E. Gagnon, St. Ame, P.Q.

SESSIONAL PAPER No. 23

Mariel 130772 Sault Ste. Marie..	481 1833 Wood 7 Chicago, Ill.	Tug.	Sault Ste. Marie.	25-8-17	Screw	Sault Ste. Marie—North S. B. Shipman, Sault Ste. Marie, Ont.
Maries Express No. 1 133884 Vancouver, B.C.	651 1913 Wood 44 Vancouver, B.C.	Pass.	Vancouver, B.C.	25-8-17 12-5-17	Screw	Vancouver and Howe Marine Nav. & Engineering Co., Vancouver, B.C.
Marion 85657 Halifax, N.S.	478 1876 Wood 269 New York, U.S.A.	Pass freight	North Sydney, N.S.	19-9-17 19-9-17	Paddle	Sydney and Bras d'Or Steamboat Co., Sydney, N.S.
Marion E. Trotter 116318 Amherstburg.	40 Wood 36 1881 Detroit	Tug.	Amherstburg	3-5-17 7-5-17	Screw	Detroit River..... F. J. Trotter, Amherstburg.
Marion J. 130283 St. Catharines,	19 1912 Steel 13 Buffalo, N.Y.	Pass	Crystal Beach	16-8-18 20-8-18	Screw	Pt. Abino, and Crystal Beach.
Mariska 130979 Collingwood.	2,502 1800 Steel 1,875 Cleveland, Ohio.	Freight	Midland, Ont.	6-7-17	Screw	All lakes and rivers..... W. J. Bassett, Toronto.
Marrison 102622 Victoria, B.C.	324 1893 Steel & iron 121 Bowling, Scot.	Freight	Victoria, B.C.	5-5-17 26-4-18	Screw	Victoria and Coast- wisc. R. P. Butcher, Victoria, B.C.
Martello 100871 St. John, N.B.	31 1893 Wood 23 1908 Queens Co.	Tug.	St. John, N.B.	5-10-17 12-10-17	Screw	Inside Macquash Harbour and Cape Spencer.
Martian 131057 Fort Arthur.....	3,308 1901 Steel 2,010 Wyanadotte, Mich.	Freight	Goderich, Ont.	25-8-17 13-4-18	Screw	Port Colborne and West- tern lakes. Canada Interlake Line, Toronto, Ont.
Marvis 126220 Vancouver, B.C.	69 1908 Wood 47 Vancouver, B.C.	Tug.	Victoria, B.C.	20-11-17 17-1-17	Screw	Constans..... Pacific Dredging Co., Vancouver, B.C.
Mary 71214 Montreal.	53 1875 Wood 34 Port Huron, Mich.	Tug.	Kingston, Ont.	30-4-17 15-4-18	Screw	Brighton and Quebec... Montreal Trans. Co., Montreal, P.Q.
Mary 117027 Sydney	10 1905 Wood 18 Malone Bay.	Pass	Sydney, N.S.	20-8-17 6-8-18	Screw	Sydney harbour..... J. W. Dobson, Sydney, N.S.
Mary Battle 94911 St. Catharines, Ont.	275 1888 Wood 137 Saugone, Mich.	Frt.	Sarnia, Ont.	16-6-17 5-6-18	Screw	All lakes and rivers.... Reud Wrecking Co., Sarnia, Ont.
Mary Ellen 103821 Cornwall, Ont.	20 1896 Wood 14 Cornwall, Ont.	Tug.	Cornwall, Ont.	17-9-17 17-8-18	Screw	Cornwall canal..... Catherine Jesner, Cornwall, Ont.
Mary I. Robertson 131187 Peterborough, Ont.	8 1914 Wood 3 Glen Ross, Ont.	Tug.	Heazels Isl., Ont.	14-9-17 5-7-18	Screw	Trent canal..... Robertson & Maloney, Cornwall, Ont.
Mary L. 122345 Toronto, Ont.	10 1907 Wood 6 Penetang, Ont.	Tug.	Penetang, Ont.	28-9-17 25-9-18	Screw	Penetang to Pt. au Baril. Theophile Light, Penetang Ont.
Mary P. Hall. 121825 Montreal	104 1898 Wood 43 Ogdonsburg, N.Y.	Tug.	Kingston, Ont.	12-5-17 1-4-18	Screw	Lake Ontario and St. Lawrence river.. Montreal Trans. Co., Montreal, P.Q.
Mary R. 97019 St. Catharines, Ont.	44 1897 Wood 30 Port Colborne.	Tug.	Cornwall, Ont.	7-5-17 26-1-18	Screw	Soulanges canal..... A. G. Castleman, Cornwall.
Mary Sullivan 130331 Chatham, N.B.	29 1910 Wood 10 Donglasstown, N.B.	Tug.	Newcastle, N.B.	30-7-17 25-7-18	Screw	Inside Esquimaux Village and north end of Portage Isd. W. M. Sullivan, Redback, N.B.
Masaba 131088 Toronto, Ont.	1,913 1891 Steel 1,267 Chicago, Ill.	Freight	Pt. McNicoll, Ont.	5-5-17 27-4-18	Screw	All lakes and rivers.... J. and T. Matthews, Toronto, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Portes d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificates Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. on H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Mascotte. 10349 Lunenburg.	35	1896 Wood. Dartmouth, N.S.	Pass tug. 39	Lunenburg, N.S. 17-7-17	N. A. C. A. McD.	19-7-17 17-7-17	Screw. 18-4	Lunenburg and Middle Island.	G. W. Ness, Lunenburg, N.S.
Mashkonge. 131422 Liverpool, G.B.	4,798 2,671	1912 Steel. Sunderland, G.B.	Freight.	New York, U.S.A. 10-5-17 16-5-17	C. B. D. W. R. B.	12-6-17 1-6-18	Screw. 204-7	Foreign.	Mashkonge SS. Co., Liverpool.
Masson. 138076 Ottawa.	14	1917 wood Masson, Que.	Pass. 10	Masson 20-8-17	J. T. G.	Not issued.	Screw. 2-5	Masson and Cumberland.	Alph. Laflamme.
Mathilda. 107416 Montreal.	115 70	1899 Steel. Sorel, P.Q.	Tag.	Sorel, P.Q. 21-4-17	F. X. H.	8-5-17 21-4-18	Screw. 34	Montreal harbour.	Siméon McNaughton Lac, Montreal, P.Q.
Matsqui. 130459 Vancouver, B.C.	113 77	1911 Wood. Vancouver, B.C.	Freight.	Vancouver, B.C. 12-7-17	H. G. R.	13-7-17 11-7-18	Screw. 10-7	Vancouver, Victoria and Fraser river.	Wm. McKenzie <i>et al</i> , Vancouver, B.C.
Maud Allen. 126503 Victoria.	10	1909 Wood. Kalamalka Lake, B.C.	Booming Tug.	Kalamalka Lake 8-5-17	W. J. C.	31-5-17 7-5-18	Screw. 5-5	Kalamalka Lake.	Johnson and Carswell, Vernon, B.C.
Maude Amis. 116456 Vancouver.	23 15	1903 Wood. Amis, B.C.	Tug pass. 20.	Sicamous, B.C. 9-5-17 9-5-17	W. J. C. W. J. C.	31-5-17 8-11-17	Screw. 4-8	Sicamous and Seymour Arm.	Atrow Lakes Lumber Co. Kamloop, B.C.
Maurice. 105513 Gaspe, P.Q.	8	1907 Wood. Barachois, P.Q.	Tug.	Gaspe, P.Q. 25-8-17	J. A. S.	Not issued.	Screw. 2-7	Gaspe basin.	A. H. Rheinlander, Gaspe, P.Q.
Max L. 97109 Port Barwell.	45	1911 Wood. Port Barwell.	Fishing tug.	Port Barwell. 17-10-17	J. B. S.	21-10-17 17-10-18	Screw. 19-4	Lake Erie.	G. A. Van Orden, and S. H. Davis, Port Barwell, Ont.
Mayflower. 9887 Toronto.	189 119	1890 Steel. Toronto.	Ferry 900.	Hanlons Pt., Ont. 25-4-17 6-6-17	J. B. S. W. B.	9-6-17 6-6-18	Paddle. 41-7	Toronto bay.	Toronto Ferry Car Co., Toronto.
Mayqueen. 59243 St. John, N.B.	539 340	1899 Wood. St. John, N.B.	Pass. 725.	St. John, N.B. 23-5-14 15-4-15	C. E. D. W. R. B.	3-5-17 20-11-17	Paddle. 43-2	St. John river and Grand Lake.	May Queen SS. Co., Chipman, N.B.
McCalloch. 117117 Vancouver.	39	1905 Wood. Vancouver, B.C.	Tug.	Prince Rupert. 8-5-17	A. E. H.	23-5-17 7-5-18	Screw. 12-9	Prince Rupert and Georgetown.	Cyrus W. Peck and Donald M. Moore, Prince Rupert B.C.
McKenzie river. 130279 Whinsepig.	412 287	1909 Composite. Fort Smith, N.W.T.	Freight pass. 40.	Fort Smith, N.W.T. 19-6-17 20-6-17	J. T. M. J. T. M.	22-6-17 19-6-18	Stern paddle wheel. 9-6	Slave and McKenzie rivers.	Hudsons Bay Co., London, Eng.
McKinac. 131012 Quebec.	65 23	1912 Wood. Three Rivers, P.Q.	Tug.	Three Rivers, P.Q. 7-8-17	F. X. H.	1-8-17 7-8-18	Paddle. 9-6	Three Rivers harbour.	M. Robert Grant, Three Rivers.
McLean. 138070 Ottawa.	14 9	1916 Steel. Ottawa.	Ferry.	Quyon. 21-5-17	J. E. L.	Not issued.	Paddle L.	Quyon and Fitzroy.	Wm. McLean, Quyon.

SESSIONAL PAPER No. 23

Medea	100734	Toronto	377	1893 Composite	Pass	46 0	Gravenhurst	26-7-17	Screw	29	Muskoka lakes	Muskoka Lakes Nav. and Hotel Co., Toronto.
Meigle	8386	1891	St. Catharines	256	Gravenhurst	29-5-17	J. T. G.	29-5-18	Screw	29	Muskoka lakes	Muskoka Lakes Nav. and Hotel Co., Toronto.
Meigle	8580	St. Johns Nfld	427	Whitcomb G. B.	Pass 100		S. D. A.	28-9-17	Screw	4	N. Sydney and Newfoundland	Reid Mfd. Co. St. Johns Nfld.
Menmaid	11180	Peterboro	11	1901 Wood	Yacht		D. J. M.	24-9-17	Screw	3	Ottomabee river	H. A. Turner and others, Millbrooke.
Menmae	74294	Sydney, N.S.	85	1886 Wood	Tow boat		T. P. T.	16-8-17	Screw	37-5	Halifax harbour	Halifax Tow Boat Co., Halifax, N.S.
Meteor	107084	Ottawa	299	1907 Wood	Freight		N. A. C.	31-8-17	Screw	29-6	Lake Timiseaming	Timiseaming Nav. Co., Marcawa, Ont.
Meteor	107350	Cornwall	47	1902 Wood	Pass 140		J. E. L.	30-8-17	Screw	10-8	Welland canal and lake	Port Colborne Tug Co., Port Colborne.
Miami	116051	Midland, Ont.	32	Port Robinson	Tug		M. R. D.	21-8-17	Screw	39	Not issued	
Miegan	98904	London, Eng.	1,730	1899 Steel	Freight		J. D.	12-12-17	Padille	106-6	Windsor and Detroit	C.P.R., Montreal, P.Q.
Miegan	98904	London, Eng.	498	West Bay City, Mich.	Pass & Ptl	320	W. E.	19-10-18	Padille	34	Georgian Bay	N. America Boat Chair Co.
Miegan	98843	St. Ste Marie	403	1883 Wood	Tug	14 6-17	G. M. A.	Not issued	Screw	16	Georgian bay	Manley Chew, Midland, Ont.
Miegan	116051	Midland, Ont.	55	1896 Wood	Tug		G. M. A.	28-9-17	Screw	130-4	All lakes and rivers	Midland Nav. Co., Midland, Ont.
Miegan	116051	Midland	37	1906 Steel	Freight		J. B. S.	7-5-17	Screw	199-3	Port Colborne and western lakes	Canada Steamship Lines Ltd., Montreal.
Miegan	116051	Midland	3,965	1903 Steel	Freight		W. E.	12-5-17	Screw	13-5	St. John river and harbour	J. E. Moore, St. John, N.B.
Miegan	116051	Midland	2,450	Collingwood	Tug		C. E. D.	26-11-17	Screw	4 8	Montreal harbour	Minister of Public Works, Ottawa.
Miegan	116051	Midland	6,153	1907 Steel	Pass tug	4	J. T. G.	Not issued	Screw	6	Saskatchewan river	Ross Nav. Co., The Pas, Man.
Miegan	116051	Midland	4,560	Collingwood	Warp tug		W. J. V.	28-9-17	Padille	2-1	Quyon boom	Upper Ottawa Improvement Co., Ottawa.
Miegan	116051	Midland	40	1897 Wood	Tug		J. E. L.	31-5-17	Padille	28-4	Great Lakes and Quebec	R. Waddell, Trenton, Ont.
Miegan	103267	St. John	27	Queens Co., N.B.	Tug		T. P. T.	2-5-17	Screw	5-2	Vicinity of Little Current	D. S. Pratt, Midland, Ont.
Mina G.	126229	Ottawa	23	1910 Wood	Tug		G. M. A.	Not issued	Screw	10	Thunder Bay Class IV	Thunder Bay Contract Co Port Arthur.
Minesa	130715	Kenora, Ont.	39	1911 Wood	Pass tug	4	W. J. N.	20-8-17	Screw	32	Coasting	Northern Dredging Co., Loggieville, N.B.
Mink	103881	Ottawa, Ont.	26	The Pas, Man.	Pass tug	4	W. J. V.	18-8-18	Screw			
Mink	103881	Ottawa, Ont.	14	1896 Wood	Warp tug		J. E. L.	21-5-17	Padille			
Minitaga	107361	Toronto, Ont.	73	1898 Wood	Tug		T. P. T.	2-5-17	Screw			
Minitaga	112330	Midland, Ont.	35	1902 Wood	Tug		G. M. A.	16-7-17	Screw			
Minnie W	120672	Port Arthur	57	1911 Composite	Tug		W. J. N.	18-40-17	Screw			
Minoira	126002	Chatham, N.B.	148	1904 Wood	Tug		N. A. C.	29-5-17	Screw			

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Amée et lieu de construction—la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Minto.....	829	1895 Steel and wood	Freight pass. 218	Arrowhead, B.C. 11-5-17	W. J. C.	12-5-17 10-5-18	Stern wheel 17	Arrowhead and Robson P.Q.	Can. Pacific Ry., Montreal, Toronto, Ont.
107453 Vancouver, B.C.	523	Nakusp, B.C. 1916.	Pass.....	Orilia, Ont. 11-5-17	G.M.A.	Not issued.	Screw. 6-0	Not in commission.	Lake Simcoe Nav. Co., Ltd. Toronto, Ont.
Modello, Toronto, Ont.	46	1915 Wood.	Pass.....	26-9-17					
Miramichi, 88666 Chatham, N.B.	75	1885 Wood.	Freight pass Chatham, N.B. 172	27-7-17	C.E. D.	4-8-17 25-7-18	Screw. 18-4	Miramichi river and bay	Miramichi Steam Nav. Co., Miramichi, N.B.
Missisquoi, 112279 Brockville.	152	1903 Chatham, N.B.	Pass. 300.	Kingston, Ont. 19-5-17	T. P. T. M. R. D.	25-5-17 19-5-18	Screw. 16-7	Kingston and Prescott.	Rockport Nav. Co., Rockport, Ont.
Misfold, 134533 Port Burwell.	113	1915 Kingston. 1915 Steel.	Fish tug.....	Pt. Burwell, Ont. 16-10-17	J. B. S.	23-10-17 16-10-18	Screw. 24	Lake Erie.	Misner and Tedford, Port Burwell, Ont.
Miss Vamlebenberg, 107689 Prescott, Ont.	266	1909 Steel.	Pass. 338	Ogdensburg..... 23-8-17	T. P. T. M. R. D.	24-8-17 15-8-18	Screw.....	Prescott and Ogdensburg.	Prescott and Ogdensburg Ferry Co., Prescott.
Modjeska, 96058 Hamilton, Ont.	181	Wilmington, Del.	Pass. 945.	Toronto, Ont. 5-5-17	J. B. S.	22-5-17 21-5-18	Twin screw 160	Toronto and Hamilton.	Canada Steamship Lines, Toronto, Ont.
Mohawk Belle, 133744 Toronto.	678	1889 Steel.	Pass. 95.	Portage Lake of Bays. 2-6-17	W. E. S. D. A.	25-7-17 2-6-18	Screw.....	Lake of Bays to Doucet.	Huntsville, Lake of Bays and Lake Simcoe Nav. Co., Huntsville, Ont.
Montar, 107891 Montreal.	39	1899 Steel.	Tug.....	Ottawa. 27-4-17	J. T. G.	Not issued	Screw. 14-4	Montreal harbour.	Minister of Public Works, Ottawa.
Montargne, 77963 Charlotetown, P.E.I.	130	1878 Wood.	Ferry 21.	Georgetown..... 5-7-17	C. E. D. W. E.	10-7-17 5-7-18	Paddle 16-1	Georgetown to Montague.	Georgetown Ferry Co., Georgetown.
Montcalm, P.E.I., 117069 Ottawa.	1,432	1904 Steel.	Pass. Ice breaker 120	Quebec. 16-7-17	P. D.	27-7-17 16-7-18	Twin screw 406-5	Montreal and gulf.	Minister of Marine and Fisheries, Ottawa.
Montreal, 116660 Montreal.	4,282	1904 Steel.	Pass & Ferry 515	Sorel, P.Q. 25-5-17	F. N. H. P. D.	15-6-17 22-5-18	Paddle 391	Montreal and Quebec.	Canada Steamship Lines, Montreal.
Moonlight, 43107 Vancouver.	63	1912 Wood.	Tug.....	Vancouver, B.C. 9-8-17	A. E. H.	11-8-17 1-8-18	Screw. 11-2	Vancouver & Straits of Georgia.	T. G. McBridge, Vancouver, B.C.
Monton, 139269 Yarmouth, N.S.	53	1913 Wood.	Freight.....	Halifax, N.S. 28-1-18	D. J. M. A. McD.	28-1-18 28-1-19	Screw. 14-7	Coasting and Halifax.	Mrs. Rosanna Neville, Halifax, N.S.

SESSIONAL PAPER No. 23

Mowlitz 122166	Vancouver, B.C.	50	1906 Wood	Yacht	Vancouver, B.C.	H. G. R.	28-3-18	28-3-18	Tw. screw	B.C. Coast waters.	Sheltered	Samuel Hallander, Vancouver, B.C.
Moyie 107154	Vancouver	835	1898 Steel & wood	Freight pass, 263.	Nelson, B.C.	W. J. C.	20-5-17	21-5-17	Stern wheel	Nelson and Lardo		Can. Pacific Ry., Montreal, P.Q.
Mulgrave 103042	Ottawa, Ont.	526	1885 Steel	Tug	Halifax, N.S.	W. J. C.	25-5-17	19-5-18	Screw	Coasting and Halifax		Chas. Brister & Sons, Halifax, N.S.
Murray Bay 101261	Montreal	485	1877 Composite	Pass	Sorel	A. McD.	25-7-17	23-7-17	Paddle			Canada S S Lines, Montreal.
Muscailongo 133752	St. John, N.B.	1907	1896 Wood	Tug	Pt. du Chêne, N.B.	F. N. H.	2-8-17	Not issued.	Screw	Coasting		Roger Miller & Co., Ltd. Shediac, N.B.
Muskat 126524	Quebec	340	1913 St. John	Tug	White River	C. E. D.	24-4-17	24-4-18	Paddle	Lake Temiscaming Shores		Upper Ottawa Imp. Co.
Musquash 131307	Quebec	19	1890 Steel	Tug	Halifax, N.S.	J. E. L.	25-5-17	28-9-17	Screw	Coasting		Quebec Salvage & Wrecking Co., Quebec.
Mystery 94816	Victoria, B.C.	198	1894 Composite	Tug	Halifax, N.S.	N. A. C.	24-9-17	24-9-18	Twin screw	Inside Esquimaux Vil- lage and north end of Portage Isd.		Dominion Pulp Co., Chat- ham, N.B.
N. Dymont 107134	Goderich	15	1884 Wood	Tug	Chatham, N.B.	D. J. M.	1-3-18	30-7-17	Screw	Montreal harbour and Quebec		Sinclair McNaughton Line, Montreal, P.Q.
Naiad 92380	Kingston, Ont.	73	1884 Wood	Tug	Sorel, P.Q.	C. E. D.	25-7-17	14-5-17	Screw	Coasting, B.C.		Producers' Rock and Gravel Co., Victoria, B.C.
Naiad 122539	Vancouver	37	1890 Wood	Tug	Victoria, B.C.	F. N. H.	25-4-17	3-12-17	Screw	Nelsonville, Thessalon N. and A. Dymont, Barrie, Ont.		Wm. Thompson, Mt. Julian, Ont.
Nama 100726	Montreal	65	1890 Wood	Pass, tug	Thessalon, Ont.	B. M.	1-12-17	10-9-17	Screw	Trent Valley canal		Kinnie & Kinnie, Vancouver.
Nanoose 122397	Victoria	30	1887 Composite	Tug	Brockville	G. M. A.	6-6-17	26-8-18	Screw	Brockville and 1 hours run out.		George Weir, Montreal.
Naraula 134271	Victoria	42	1908 Steel	Tug	Vancouver, B.C.	S. D. A.	13-7-17	29-7-17	Screw	Vancouver, Victoria and Ladysmith.		Can. Pacific Ry., Montreal, P.Q.
Narbotham 134216	Prince Rupert	108	1913 Steel	Tug	Okanagan, B.C.	H. G. R.	25-7-17	20-6-18	Screw	Okanagan lakes		Can. Pacific Ry. Co., Mon- treal.
N.A.S.C. O.	Prince Rupert	150	1914 Wood	Pass	Prince Rupert, B.C.	W. J. C.	4-5-17	5-5-17	Screw	Prince Rupert and Port H. K. Freeman, Prince Rupert, B.C.		Monzie Fish Co., Faust, Alta.
		13	1917 Grouard, Alta.	Freight and fishing boat	Grouard	A. E. H.	9-5-17	9-5-17	Screw	Lesser Slave lake		
		8	1917 Grouard, Alta.			J. T. M.	9-5-17	Not issued	Stern paddle			
		41					19-5-17		1-6			

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'entregistrement.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Tonnage.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Nasookin. 133855 Vancouver.	1913 Steel Nelson, B.C.	1,899	Freight pass, 320.	21-5-17	W. J. C.	21-5-17	Stern wheel 102	Nelson and Kisko	Can. Pacific Railway, Montreal, P.Q.
Nasuthin. 133738 Vancouver.	1912 Wood White Horse, Y.T.	405	Freight pass, 90.	18-1-18 30-6-17	W. J. C. A. F.	18-5-18 30-6-17	Stern wheel 9-6	Yukon river	British Yukon Nav. Co., Vancouver.
Nathalie R. 130923 Montreal.	1912 Wood Sorel, P.Q.	55	Tug.	39-6-17 26-4-17	A. F. F. X. H.	29-6-18 14-5-17	Screw 28-1	Montreal harbour and Canada.	Sinclair McNaughton Ltd., Montreal, P.Q.
National. 116255 Toronto.	1903 Wood Toronto, Ont.	18	Tug.	18-7-17	J. B. S.	25-8-17 19-8-18	Screw 1-9	Toronto bay	Corporation City of Toronto, Toronto.
Natronco. 133741 Toronto.	1892 Steel Detroit, Mich.	1,079	Freight.	12-4-17	J. B. S.	Not issued	Screw 144-3	Lakes and rivers	Canada Interbaker Line, Toronto.
Native. 407826 New Westminster.	1900 Wood New Westminster.	52	Tug.	Vancouver, B.C.	J. B. S.	31-7-17 31-12-17	Screw 12-9	Vancouver and Howe Sound.	Edith Cates, Vancouver.
Nellie J. 130711 Kenora.	1911 Wood Kenora, Ont.	30	Tug.	15-5-17	H. G. R.	28-5-17 15-5-18	Screw 3-3	Lake of the Woods	Armstrong Trading Co., Norman, Ont.
Neptune. 130633 St. John, N.B.	1911 Wood Port Greville, N.S.	117	Tug.	10-9-17	W. S. V.	12-9-17 10-9-18	Screw 19-5	Coasting	Messrs W. Thomson & Co., St. John, N.B.
Nereid. 133751 St. John, N.B.	1913 Wood Watersboro.	40	Tug.	22-5-17	C. E. D.	30-5-17 22-5-18	Screw 13-5	Coasting	J. W. Smith, St. John, N.B.
Nevada. 39225 Montreal.	1890 Steel Leith, G.B.	1,276	Freight.	Halifax, N.S.	N. A. C. A. McD.	8-6-17 4-6-18	Screw 99	Sydney and Coasting	Nevada Shipping Co., Montreal.
New Delta. 126894 Vancouver.	1910 Wood Vancouver.	73	Freight 80 Pass.	25-3-18 25-3-18	H. G. R. H. G. R.	26-3-18 11-6-18	Screw 8-2	Vancouver, Indian river and Port Moody.	G. W. Brewster, Vancouver, B.C.
New Era. 111813 Vancouver.	1901 Wood Vancouver, B.C.	56	Tug.	29-11-17	B. M.	30-11-17 28-11-18	Screw 8-7	Victoria-Vancouver	W. T. Cotford, Salt Springs, B.C.
Newington. 110697 Vancouver.	1899 Iron and Steel Hull, Eng.	193	Light house tender and 10 pass.	Victoria, B.C.	B. M. B. M.	7-1-18 3-1-19	Screw 38	Coasting	Minister of Marine and Fisheries, Ottawa.
New Minko. 126413 Toronto.	1909 Composite Gravenhurst, Ont.	128	Pass. 40	4-1-18 4-1-18	B. M. B. M.	20-6-17 28-5-18	Screw 13-5	Muskoka lakes	W. Hanna & Co., Port Carling.
New Success. 126255 Chatham, N.B.	1915 Pt. Carling. 1909 Wood Burnt Church, N.B.	81	Tug.	25-5-17 14-6-17	J. T. G. S. D. A.	30-7-17 24-7-18	Screw 5-4	Inside Escomiac Village and north end of Portage Isd.	J. Anderson, Burnt Church, N.B.
Nipigon. 117090 Collingwood.	1908 Wood Collingwood.	35	Fishing tug.	Port William, Ont. 14-11-17	C. E. D. W. J. V.	14-11-17 14-11-18	Screw	Port William and points in Black Bay.	Thos. Cragie, Port William.

SESSIONAL PAPER No. 23

Nipisicuit, 134329	Chatham, N.B.	Tug.	Bathurst, N.B.	17-9-17	C. E. D.	20-9-17 17-9-18	Screw	18-7	Inside Roehette and Grindstone Point.	Point Bathurst Lumber Co. Bathurst, N.B.
Nishka, 133747	Toronto.	Pass. 17 Tug.	Lake of Bays, Ont. Birkendale.	1-6-17 7-17	J. T. G. S. D. A.	25-7-17 1-6-18	Screw	6	Lake of bays.	S. V. Blake, London, Eng.
Nitinat, 91255	Victoria.	Tug. 16 Pass.	Vancouver, B.C. South Shields, G.B.	24-2-18 29-2-18	A. E. H. A. E. H.	27-2-18 24-2-19	Screw	144-6	Vancouver, B.C., and ports in B.C.	Can. Pac. Ry. Co., Montreal.
No. 3, Montreal.		Tug.	Sannan Que.	30-8-17	F. X. H.	Not issued.	Twin Screw		Sannan and nine miles.	St. Maurice construct. Co.
No. 96, 14291	Quebec.	Tug.	Dalhousie, N.B.	3-9-17	C. E. D.	10-9-17 3-9-18	Screw	28-2	Inside Heron Island light and Frigidigash Pt.	Dalhousie Lumber Co., Dalhousie, N.B.
Nora, 102008	Vancouver, B.C.	Tug.	Vancouver, B.C.	30-3-18	A. E. H.	30-3-18	Screw	6-6	Vancouver harbour inside Pt. Atkinson.	Atta Singh, Victoria, B.C.
Nord, 112044	Quebec, P.Q.	Pass 40. Freight.	Roberval, P.Q.	19-9-17 19-9-17	J. A. S. P. D.	26-5-17 19-5-18	Twin screw	2-81	Roberval and Peribonka Q.	A. Donladson, Roberval, P. Q.
Norseen, 133608	Halifax	Tug.	Halifax	17-10-17	D. J. M.	22-10-17 17-10-18	Screw	17	Halifax Harbour.	A. B. Crosley, Halifax.
Noreg I., 134169	Yarmouth.	Freight.	Wedgeport.	18-8-17	N. A. C.	10-8-17 10-8-18	Screw	34	Coasting.	Westport Transp. Co. Westport.
Norfolk, 97108	Port Burwell.	Fishingboat	Port Mainland, Ont.	17-7-17	J. B. S.	23-7-17 17-7-18	Screw	10-6	Lake Erie.	Chas. Ross, Dunnville, Ont.
Noronie, 134014	Fort Arthur.	Pass. 650	Sarnia, Ont.	9-6-17 11-6-17	J. D. W. E.	11-6-17 8-6-18	Screw	328-4	Port Colborne and Duluth.	Canada Steamship Lines, Montreal, P.Q.
North, 88253	Quebec.	Ferry Frt. 300	Quebec.	15-9-17 25-9-17	J. A. S. P. D.	29-5-17 15-5-18	Paddle		Quebec and Orleans Island.	Quebec and Levis Ferry Co., Quebec.
North American, 211076	Michigan City.	Pass. 620	Port William, Ecorse, Mich.	23-7-17 23-7-17	W. J. V. W. J. V.	23-7-17 7-6-18	Screw	164-4	All Lakes and rivers inland.	Chicago, Duluth and Georgian Bay Transit Co., Chicago, Ill.
North Star, 130924	Boston, Mass.	Frt., Pass. 266	New York, Chester, Pa.	6-4-17 7-4-17	C. E. D. W. R. B.		Screw		St. John to Boston and intermediate.	Eastern Steamship Co., Boston, Mass.
Northwell, 117105	Ottawa, Ont.	Pass. 350	North Bay, Callendar.	16-7-17 7-6-17	J. T. G. M. R. D.	1-8-17 16-7-18	Screw	20-9	Lake Nipissing.	North Bay & French River Nav. Co.
Northland Call., Kenora (138024)		Pass. 40 Freight.	Peace River Crossing, Alta.	23-5-17 23-5-17	J. T. M. J. T. M.	23-5-17 3-2	Stern paddle.	3-2	Hudsons Hope to Vermilion.	Peace River Navigation Co., Peace River.
Northland Trader, 131717	Kenora, Ont.	Freight. 20 Pass.	Fort Smith	21-6-17 21-6-17	J. T. M. J. T. M.	21-6-17 21-6-18	Screw	8-1	Slave and McKenzie rivers.	Northern Trading Co., Edmonton Alta.
Northumberland, 96937	Charlottetown, P.E.I.	Pass. 210	Charlottetown, P.E.I.	18-4-17 17-6-17	C. E. D. W. R. B.	28-1-17 1-17	Twin screw	350	Coasting.	Charlottetown Steam Nav. Co., Charlottetown, P.E.I.
North Vancouver Ferry No. 1, 107725	Vancouver.	Pass. 200	North Vancouver.	28-6-17 28-6-17	A. E. H. A. E. H.	29-6-17 21-6-18	Screw	19	Vancouver and North Vancouver.	Corp. of North Vancouver City.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry.	Tonnage.	Where and When Built—Material.	Trade—No of Pass.	Port and Date of Inspection.	Inspectors' Initials.	Certificate: Expires.	Propulsion—N. H. P.	Route.	Name and Address of Owners.
Noms des navires—Numéros officiels—Ports d'enregistrement.		Année et lieu de construction—Nature de la coque.	Service—Nombre de pass.	Ports et dates d'inspection.	Initiales inspecteurs	Certificat: Délivrance—Expiration.	Propulsion—N. en H. P.		Noms de adresses des propriétaires.
North Vancouver Ferry No. 2 116784 Vancouver.	544 370	1904 Composite Vancouver.	Pass. 584	North Vancouver 19-4-17	H. G. R. H. G. R.	20-4-17 18-4-18	Screw 32-6	Vancouver and North Vancouver.	Corp. of North Vancouver City.
North Wind 138223 Kenora, Ont.	15 10	1904 Wood. Chipewyan	Freight. Tug.	Port Chipewyan 19-4-17 13-6-17	J. T. M.	15-6-17 13-6-18	Screw 2	Chipewyan Class IV	C. Fraser, Fort Chipewyan.
Norway Belle 122911 Ottawa.	46 42	1905 Wood. Bristol, Que.	Ferry.	Norway Bay, Ont. 22-5-17	J. E. L. M. R. D.	20-9-17 22-5-18	Paddle. 1-1	Sand Point and Norway Bay.	A. McFarland, Bristol, P. Q.
Nubartha 130978 Collingwood.	24 16	1914 Wood. Gravenhurst, Ont.	Tug.	Sand Point. 11-9-17	J. T. G.	22-6-17 28-5-18	Screw 6-3	Muskoka lakes.	H. Walker and Son, Walker's Point.
C. L. R. 134562 New Westminster	11 8	1914 Wood. Vancouver, B. C.	Freight. Pass 15.	New Westminster 13-7-17 13-7-17	A. E. H. A. E. H.	16-7-17 12-7-18	Screw 27	New Westminster and Ladner.	Alex. Alwin Murray, Van- couver, B. C.
Oatland 138107 Montreal.	1851 1063	1884 Wood. Detroit.	Freight.	Toronto. 6-4-17	T. B. S.	7-5-17 19-4-18	Screw 88-8	Duluth and Father Point Little River Transp., Co Ltd. Montreal.	
Ocoose 126284 St. John, N. B.	272 221	1908 Wood. Dromococt, N. B.	Freight. Pass 228.	St. John, N. B. 19-4-17	C. E. D. W. R. B.	21-4-17 19-4-18	Paddle. 24	St. John river and Tri- butaries.	Suburban Steamship Browns Flat, N. B.
Odiak 134260 Winnipeg, Man.	37 25	1914 Wood. Winnipegosis, Man.	Fishing tug.	Winnipegosis, Man. 22-9-17	W. J. V.	22-9-17 22-9-18	Screw 2-7	Lake Winnipegosis.	Messrs. Coffey and Grenon, Winnipegosis.
Oiseau. 107087 Ottawa.	148 90	1897 Steel. Pembroke, Ont.	Pass. Freight.	Pembroke, Ont. 23-5-17	J. E. L. M. R. D.	20-9-17 23-5-18	Twin screw 27	Pembroke and Desfoe clim.	Pembroke Transp. Co., Pembroke.
Okanagan 122378 Vancouver.	678 679	1907 Wood. Okanagan Landing.	Freight. 282 Pass.	Okanagan Lake, B. C. 3-5-17	W. J. C.	5-5-17 32-3	Stern wheel. 32-3	Okanagan lake.	Can. Pac. Ry., Montreal, P. Q.
Olalie. 130908 Vancouver.	80 54	1912 Wood. North Vancouver.	Tug.	New Westminster 19-4-17	A. C. H. D. J. M.	23-4-17 18-4-18	Screw 16	New Westminster and Lower Inlet.	Paeker Steamship Co., Van- couver, B. C.
O'Leary, Inc. 131299 Liverpool, N. S.	75 49	1915 Wood. Liverpool, N. S.	Fishing tug.	Yarmouth N. S. 11-8-17 Halifax, N. S. 2-3-17		4-3-18 2-3-19	Screw 16-6	Coasting.	G. S. Lee, Halifax.
Olive. 116277 Halifax, N. S.	35 24	1903 Wood. Dartmouth, N. S.	Pass. 20 Tug.	Louisburg, N. S. 8-3-17	D. J. M. A. M. D.	16-5-17 5-8-18	Screw 8-2	Louisburg and Gabarus. Louisburg.	Atlantic Dredging Co., Louisburg.
Olive M. 130611 Victoria, B. C.	134 71	1911 Wood. Victoria, B. C.	Tug.	Victoria, B. C. 6-8-17	W. J. C.	8-8-17 5-8-18	Screw 21-9	Coasting.	Vancouver Isd. Towing Co., Victoria, B. C.
Omaha. 134350 Montreal, P. Q.	1251 800	1872 Wood. Milwaukee, Wis.	Freight.	Quebec, P. Q. 30-4-17 24-4-17	J. A. S. P. D.	23-4-17 21-4-18	Screw 67-6	Lake Erie and Father Pt.	N. J. Tourgeon Beauceville, P. Q.

SESSIONAL PAPER No. 23

Omar D. Conger 155055 Port Huron.	Ferry pass. 335	Port Huron 28-11-17	J. D. W. E.	30-11-17 12-11-18	Screw 37-5	St. Clair River.....	Port Huron and Sarnia Ferry Co., Port Huron.
Onajig 133791 Port Stanley.	Fishing boat	Port Stanley 13-10-17	J. B. S.	Not issued.	Screw 13-5	Lake Erie.....	Melberson and Wilson, Port Stanley.
Onawana 126712 St. John.	Tug.....	St. John, N.B. 3-5-17	C. E. D.	7-5-17 3-5-18	Screw 13-5	Inside Musquash Hd. and Spencer.	H. G. McKee Co., Ltd., St. John, N.B.
Ondot 130893 Victoria.	Tug.....	Nelson, B.C. 21-5-17	W. J. C.	20-5-17	Screw 9-6	Kootenay lake.....	F. Cogle, Proctor, B.C.
Onigara 90562 Toronto.	Pass.....	Toronto, Ont. 15-8-17	J. B. S.	Not issued.	Screw 6-5	Toronto bay.....	P. J. McSherry, Toronto, Ont.
Ontario 94185 Montreal, P.Q.	Ry. car ferry, Pass. 350	Windsor, Ont. 9-10-17	J. D. W. E.	18-10-17 9-10-18	Paddle 169-6	Windsor and Detroit.....	Can. Pac. Ry., Montreal.
Ontario No. 1 125985 Montreal.	Pass 800 satm. 100 win.	Cobourg, Ont. 28-9-17 27-11-16 2-10-16	J. B. S. M. R. P.	6-10-17 28-9-18	Twin screw 292-8	Lake Ontario and Cobourg.	Ontario Car Co., Ltd., Montreal.
Ontario No. 2 137378 Montreal.	Pass 861-S 674-W.	Cobourg, Ont. 9-11-17 10-5-17	J. B. S. W. E.	10-11-17 9-11-18	Twin Screw 294-3	Cobourg and Lake On- tario ports.	Ontario Car Co., Ltd., Montreal.
Onward 111973 Saugeen, Mich.	Fishing boat	Kincardine, Ont. 20-8-17	J. D.	31-8-17 29-8-18	Screw 3-3	Lake Huron.....	J. McGaw, Kincardine, Ont.
Opeongo 126462 Ottawa.	Tug.....	Arnprior, Ont. 22-5-17	J. E. L.	31-5-17 31-5-18	Paddle 54	Chats lake.....	McLaughlin Bros., Arnprior.
Orchard City 133779 Victoria, B.C.	Tug.....	Kelowna, B.C. 5-5-17	W. J. C.	31-5-17 4-5-18	Twin screw 16-3	Okanagan lake.....	Kelowna Saw Mills Co., Kelowna, B.C.
Orinole 32131 Toronto, Ont.	Pass 40	Gravenhurst, Ont. 23-4-17 13-6-17	J. D. S. D. A.	18-6-17 23-4-18	Screw 13-5	Muskoka lakes.....	Muskoka Lakes Nav. and Hotel Co., Toronto.
Orion 116932 Victoria, B.C.	Whaler	Victoria, B.C. 30-5-18	B. V.	2-4-18 20-3-19	Screw 42	Coasting.....	Victoria Whaling Co., Tor- onto.
Orleans 107235 Toronto.	Pass 650	Port Erie 18-5-17	J. B. S. W. E.	19-5-17 18-5-18	Screw 52-8	Pt. Erie and Buffalo.....	Buffalo and Port Erie S.S. Co., Port Erie.
Orontes 103610 Vancouver, B.C.	Fishing boat.	Halifax, N.S. 1-9-17	N. A. C. A. B. H. V. McD.	12-9-17 10-9-18	Screw 60	Coasting, B.C.....	A. R. Logan & Co. Logan- ville, N.B.
Osprey 107158 Goderich, Ont.	Fishing boat.	Halifax, N.S. 10-9-17	E. W. McK.	Not issued.	Screw 16-6	Lake Huron.....	J. & A. Purvis, Gore Bay, Ont.
Ossifrage 107488 Chatham, Ont.	Pass 724	Chatham, Ont. 8-6-17	J. D. W. E.	11-6-17 7-6-18	Screw 61-5	Amherstburg and Pt Huron.	Win. Ball, Chatham, Ont.
Ossian Bedell 155474 Buffalo, N.Y.	Pass. 650.	Buffalo, N.Y. 25-5-17 25-5-17	J. B. S. W. E.	25-5-17 25-5-18	Screw 19-9	Buffalo harbour and Niagara river.	Buffalo & Erie Reach Trans- Co., Buffalo, N.Y.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. on H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Ostrea 138465 Sand	109	1916 Wood. 31 Soré, P. Q.	Govt. service.	Pictou, N. S. 25-5-17	N. A. C.	28-5-17 25-5-18	Screw. 16-6	Coasting.	Marine and Fisheries Dept. Ottawa.
Oswegatchie (Not registered.)	41	1902 Wood. 1888 Ottawa.	Tender	Quebec, P. Q. 15-5-17	I. A. S.	Not issued	Screw. 9-3	St. Lawrence river.	Minister of Public Works.
Ottawan 116650 Ottawa.	311 167	1904 Composite. 167 Ottawa.	Freight pass. 12.	Montreal, P. Q. 2-5-17	J. E. L.	2-5-17 2-5-18	Screw. 16-5	Montreal and Ottawa.	Ottawa Trans Co., Ottawa.
Other 107832 Victoria.	366	1900 Wood. 232 Victoria, B. C.	Freight pass. 60.	Montreal, P. Q. 2-5-17	P. D.	5-4-17 4-4-18	Screw. 26	Victoria, Vancouver and Gulf Isld. Points.	Can. Pac. Ry., Montreal.
Other 138071 Ottawa, Ont.	221	1895 Wood 12 Kippawa, Ont.	Warp tug.	Esquimaux, B. C. 4-4-17 4-9-17 21-7-17	W. J. C. W. J. C. J. E. L.	Not issued.	Paddle 2-7	Lake Kippawa.	John Lamson, Ottawa.
Other 121911 Kenora, Ont.	16	1905 Wood 11 1916 Kenora, Ont.	Fishing tug	Kenora, Ont 6-10-17	W. A. V.	6-10-17 6-10-18	Screw. 1-8	Lake of the Woods.	The Armstrong Trading Co., Kenora, Ont.
Overland 134320 Sarnia, Ont.	758 348	1881 Wood 308 Bay City, Mich.	Freight	Sarnia, Ont. 3-11-17	J. D. W. E.	5-11-17 3-11-18	Screw. 54	Lakes and rivers.	Reid Wrecking Co., Sarnia, Ont.
Owana 150813 Detroit.	747 420	1899 Steel 420 Wyandotte, Mich.	Pass. 1,335	Detroit, Mich. 3-11-17 9-5-17 12-6-17	J. D. W. E.	5-6-17 15-5-18	Paddle 73-4	Port Huron and Toledo.	White Star Line, Detroit.
Owen 122396 Victoria.	43 30	1901 Wood 30 Tacoma, U. S. A.	Tag.	Vancouver, 7-9-17	A. F. H.	11-9-17 6-9-18	Screw. 10-7	Vancouver and Sts. Georgia.	Marion Tugboat Co., Ltd., Victoria.
Oyana 117047 Barrington, N. S.	44 28	1905 Wood 28 Port Clyde, N. S.	Pass. 39	Barrington Passage, N. S. 14-7-17 14-7-17	N. A. C. A. McD. J. A. S.	19-7-17 14-7-18	Screw. 8-2	Barrington and Cape Island.	Barrington and Cape Isd., Steam Ferry Co., Bar- rington, N. S.
P. B. & Co. Ltd. No. 1		1912 Wood Sturrow.	Tug.	Kenogami 17-5-17	J. A. S.	Not issued.	Twin screw 3	Lake Kenogami.	Rice Bros. & Co. Ltd Quebec
P. B. & Co. Ltd. No. 2		1913 Wood Sturrow	Tug.	Kenogami 17-5-17	J. A. S.	Not issued.	Twin screw 3	Lake Kenogami.	Rice Bros & Co. Ltd. Quebec
P. B. & Co. Ltd. No. 4		1917 Wood Laké Kenogami.	Tug.	Kenogami 17-5-17	J. A. S.	Not issued.	Paddle 4	Lake Kenogami.	Rice Bros & Co. Ltd. Quebec
P. B. McNaughton 134516 Sarnia, Ont.	67 30	1888 Wood 30 East Sarnia, Mich.	Tag.	Port Huron, Ont. 5-5-17	J. D.	12-5-17 4-5-18	Screw. 10-8	Lakes, etc.	Chas. E. Millard, Sarnia, Ont.
P. S. Hilsord 92286 Owen Sound.	45 31	1887 Wood 31 Owen Sound.	Tug.	Cutler, Ont. 1-9-17	G. M. A.	Not issued.	Screw. 14-1	Little Current and Sault Ste. Marie.	W. J. Bell, Sudbury, Ont.

SESSIONAL PAPER No. 23

P. W. D. No. 102	1910 Wood.	Tug.	Chicoutimi.	J. A. S.	Not issued.	Twin screw.	Saguenay River.	Minister of P. W. Dept.
Faiponceg 130840 Port Arthur.	2,517 1888 Steel. 1,565 Cleveland, O.	Freight.	P. L. McNeill, Ont. 18-4-17	G. M. A. S. D. A.	23-4-17 19-4-18	Screw. 185-5	All lakes and rivers.	Canadian Northwest S.S. Co., Toronto.
Papoose 100756 Windsor, Ont.	57 1893 Wood. 39 Bronto, Ont.	Pass. 40.	Amherstburg, Ont. 9-6-17 Detroit. 6-6-17	J. D. W. E.	11-6-17 6-6-18	Screw. 10-7	Amherstburg and Port Huron.	A. H. Clarke, Windsor, Ont.
Gasoline Paridae. 137893 Toronto, Ont.	18 1915 Wood. 8 Toronto, Ont.	Pass. 16	Napance, Ont. 30-5-17 Pictou. 6-7-17	T. P. T. M. R. D.	7-7-17 6-7-18	Screw. 1	Napance and Pictou.	Albert S. Ward, Toronto, Ont.
Parina. 96643 Montreal.	2,900 1889 Steel. 1,874 New Castle Eng.	Pass. 100	New York. 6-7-17 23-11-17	J. E. L.	23-11-17 19-11-18	Screw. 271	New York & West Indies.	Canada S.S. Lines.
Passespartout. 134486 Montreal, P.Q.	29 1912 Wood. 13 Montreal, P.Q.	Tug.	Montreal, P.Q. 19-4-17	J. T. G.	26-4-17 19-4-18	Screw. 2-7	Montreal harbour.	Harbour Commissioners of Montreal.
Pattie H. 116647 Ottawa.	51 1904 Steel. 38 Quyon, P.Q.	Tug.	Quyon, P.Q. 21-5-17	J. E. L.	31-5-17 31-5-18	Screw. 6-5	Aylmer and Quyon.	Upper Ottawa Improvement Co., Ottawa.
Paynce. 111168 Sydney.	67 1890 Wood. 105 Albany, N.Y.	Pass.	Sydney, N.S. 2-5-17	D. J. M.	Not issued.	Screw. 23-9	Sydney and N. Sydney.	Cape Breton Electric Co., Sydney, N.S.
Paystrack. 126279 New Westminster	280 1910 Wood. 129 New Westminster.	Tug.	Vancouver. 25-10-17	A. E. H.	26-10-17 1-3-18	Stern wheel. 9-6	Between Vancouver Isd. Valley, Goleane Mayne and Tender Isds.	Canadian Kelp Products, Ltd., Vancouver, B.C.
Peel. 122983 Montreal.	105 1909 Steel. 117 Sorel.	Tug.	Port Burwell. 30-4-17	J. B. S.	5-5-17 30-4-18	Screw. 46-8	Dredges towing.	P. W. Dept. Ottawa.
Peerless. 97282 Sydney, N.S.	94 1884 Wood. 81 New York, N.Y.	Pass. 320.	Sydney, N.S. 19-6-17 10-6-17	D. J. M. A. McD.	22-6-17 19-6-18	Screw. 32-5	Sydney and N. Sydney.	Cape Breton Electric Co., Sydney, N.S.
Peerless. 111953 New Westminster	128 1904 Wood. 88 New Westminster.	Tug.	Vancouver, B.C. 3-5-17	H. G. R.	4-5-17 14-4-18	Screw. 39-2	Vancouver & Strs. of Georgia.	Westminster Towing & Fish Co., New Westminster.
Pekin. 107228 Liverpool, N.S.	85 1910 Wood. 50 Moss River, N.S.	Tug. Freight.	Georgetown, P.E.I. 5-7-17	C. E. D.	10-7-17 5-7-18	Screw. 16-7	Inside C. Bear and Souris Head.	McKinnon Bros., Montague, P.E.I.
Pelee. 136288 Amherstburg.	538 1914 Steel. 243 Collingwood.	Pass. 300.	Windsor, Ont. 7-6-17	J. D. W. E.	11-6-17 6-6-16	Screw. 58-4	Windsor and Sandusky.	Windsor and Pelee Isd. Steamboat Co., Pelee Island, Ont.
Pembroke 103434 Ottawa.	194 1895 Wood. 122 Pembroke, Ont.	Tug.	Fort Comlunge. 22-5-17	J. E. L.	31-5-17 22-5-18	Paddle. 9-1	Upper Ottawa river.	Upper Ottawa Improvement Co., Ottawa.
Pentang. 111914 Toronto, Ont.	100 1901 Wood. 61 Owen Sound, Ont.	Tug.	Toronto, Ont. 14-8-17	J. B. S.	15-8-17 14-8-18	Screw. 27-3	Laake Ontario and bay.	The Laake Shore Sand & Gravel Co., Toronto, Ont.
Percepsion. 117146 Quebec.	782 1893 Steel. 502 Kinghorn, G.B.	Pass. frt. 68.	Quebec. 9-4-17 4-4-17	J. A. S. P. D.	14-4-17 9-4-18	Screw. 131	Montreal and Baie des Chaleurs.	Gaspé and Baie de Chaleur S.S. Lines, Quebec.
Percy Cann 106531 Digby, N.S.	80 1892 Wood. 56 Meteghan, N.S.	Pass. 20 frt.	Mulgrave. 16-7-17 8-8-17	D. J. M. A. McD.	10-8-17 6-8-18	Screw. 13-5	Yarmouth & Guysboro.	H. Cann & Son, Yarmouth.
Père Marquette H. 200611 Detroit, Mich.	2,531 1901 Steel. 1,656 Wyandotte, Mich.	Ferry.	Windsor, Ont. 11-10-17 12-10-17	J. D. W. E.	18-10-17 11-9-18	Twin screw. 221-9	Windsor and Detroit.	Père Marquette Ry., Detroit, Mich.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Port de l'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. on H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Peter Pan Second. 13857 Windsor.	190 58	1917 Wood. Collingwood.	Freight	Collingwood. 9-10-17	G. M. A.	Not issued.	Screw. 34-6	Windsor etc class IV	Ont. Freight & Gravel Co Ltd, Windsor.
Peter Paul. Midland, Ont.	31 21	1908 Wood Penetang, Ont.	Tug.	Bradleys Bay, Ont. 5-9-17	T. P. T.	14-9-17 5-7-18	Screw. 1-8	Trent canal.	Dredging Dock Co., Toronto, Ont.
Petit Demon. 105829 Paspobiac, P.Q.	7 5	1910 Wood Bonaventure, P.Q.	Tug.	Bonaventure, P.Q. 25-7-17	J. A. S.	31-7-17 25-7-18	Screw. 1-2	Bonaventure bay.	Angus McLean, Montreal, P.Q.
Petrol. 12104 Victoria.	134 58	1906 Steel. Victoria, B.C.	Tug.	Vancouver, B.C. 12-3-18	A. E. H.	18-3-18 10-3-19	Screw. 23-2	Vancouver harbour.	Minister, Public Works, Ottawa.
Phoenix. 111571 Toronto.	19 11	1900 Wood. Huntsville, Ont.	Tug.	Huntsville, Ont. 14-6-17	J. T. G.	7-7-17 4-6-18	Screw. 7-3	Huntsville and vicinity.	Huntsville, Lake of Bays & Lake Simcoe Nav. Co., Huntsville, Ont.
Phoenix. 103480 Vancouver, B.C.	87 54	1896 Wood. Ballard, U.S.A.	Tug.	Victoria, B.C. 15-6-17	W. J. C.	16-6-17 11-6-18	Screw. 10-7	Coasting.	Bell, Irving et al, Vancouver, B.C.
Pierpont. Kingston, Ont.	251 152	1871 Composite. Kingston.	Pass. 375.	Sorel, P.Q. 5-5-17	F. X. H. P. D.	19-7-17 15-5-18	Paddle. 24-4	Montreal and Ile St. Helene.	Canada Steamship Lines, Montreal, P.Q.
Pikouagami. 125991 Quebec.	57 36	1902 Composite. Roberval, P.Q.	Pass. frt.	Montreal, P.Q. Roberval, P.Q. 7-8-17	J. A. S.	14-8-17 9-8-18	Stern wheel. 3-2	Lake St. John.	C. Lindsay, Roberval, P.Q.
Pine Pass. 134606 Winnipeg.	42 29	1915 Wood. Prudce Crossing.	Freight Pass.	Peace River. 29-5-17	J. T. M.	26-5-17 26-5-18	Screw. 4	Hudsons' Hopeto Vermilion Chute.	Snooky & Peare River boat Co.
Pinola. 134387 Sault Ste. Marie.	34 18	1894 Wood. Cleveland, O.	Tug.	Sault Ste. Marie. 27-8-17	G. M. A.	8-11-17 27-8-18	Screw. 4-8	St. Mary river.	Algoma Dredging Co., Ltd., Sault Ste. Marie, Ont.
Pleasure. 150670 Detroit, Mich.	490 293	1894 Wood. West Bay City.	Pass. 1,145. 792 lake.	River Detroit, Mich. 10-5-17	J. D. W. E.	16-6-17 11-5-18	Screw. 96-3	Detroit River.	Detroit and Windsor Ferry Co., Detroit, Mich.
Plessis. 126925 Quebec.	550 338	1910 Steel. Levis, P.Q.	Pass. 410. Frt.	Lauzon, P.Q. 12-10-17 Quebec, B.C. 13-11-17 Vancouver, B.C.	J. A. S. P. D. H. G. R.	14-11-17 12-10-18 27-8-17 24-8-18	Screw. 87-1	Quebec harbour, Quebec & Levis.	Levis Ferry Co., P.Q.
Plunger. Vancouver.	57 38	1912 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 9-10-17	B. M.	31-10-17 8-10-18	Screw. 47	Vancouver & Straits of Georgia.	B. T. Brynolson, Vancouver.
Point Ellice. 130887 Victoria.	163 69	1911 Steel. Vancouver, B.C.	Tug.	Victoria, B.C. 9-10-17	B. M.	31-10-17 8-10-18	Screw. 47	Coasting, B.C.	Minister, Public Works, Ottawa.
Point Grey. Vancouver.	238 162	1912 Steel. North Vancouver.	Tug.	Vancouver. 21-2-18	H. G. R.	23-2-18 8-2-19	Screw. 62-9	Vancouver harbour and Georgia Straits.	Minister, Public Works, Ottawa.
Point Hope. Vancouver.	66 45	1910 Wood. Vancouver, B.C.	Tug.	Victoria, B.C. 19-9-17	B. M.	20-9-17 18-9-18	Screw. 17	Victoria Harbour.	Minister, Public Works, Ottawa.

SESSIONAL PAPER No. 23

Pollux..... 122457 Ottawa.	88	1907 Steel..... Pembroke, Ont.	Tug.....	Pembroke, Ont. 23-5-17	J. E. L.....	Not issued.	31-5-17 23-9-18	Paddle..... 3-3	Pembroke & Des Jouehins.	Upper Ottawa Improvement Co., Ottawa.
Polana..... 126930 Quebec.	296	1911 Steel..... Kingston.	Quarantine tender.	Levis, P.Q. 14-4-17	J. A. S.....	Screw..... 54	Screw..... 54	Screw..... 54	Grosse Ile and Quebec Ottawa.	Minister of Agriculture, Ottawa.
Polarine..... 134407 Vancouver, B.C.	23	1914 Wood..... Vancouver, B.C.	Pass. 20.....	Vancouver, B.C. 8-6-17	H. G. R. H. G. R. J. D.....	Screw..... 4	9-9-17 30-9-18	Screw..... 4	Vancouver and Indian river.	Imperial Oil Co., Ltd., Vancouver.
Pontiac..... 135209 Detroit.....	229	1876 Wood..... Detroit.	Pass.....	Detroit..... 5-4-17	W. J. C.....	Screw..... 16	16-6-17 5-9-17	Screw..... 16	Windsor and Detroit..... Detroit.	Detroit & Windsor Ferry Co., Detroit.
Port Alberni..... 138775 Victoria.	35	1917 Wood..... Port Alberni.	Tug.....	Port Alberni..... 12-12-17	F. X. H.....	Screw..... 7	2-1-18 21-12-17	Screw..... 7	Allerni Canal etc. Class IV.	J. R. Croll, Alberni B.C.
Portneuf..... 133905 Sorel, P.Q.	104	1905 Wood..... Sorel, P.Q.	Tug.....	Sorel..... 12-4-17	N. A. C. A. McD.	Screw..... 20-2	Not issued.	Screw..... 20-2	Montreal & Quebec.....	Minister, Marine and Fish- eries, Ottawa.
Premier..... 98904 London, G.B.	374	1891 Steel..... Ayr, G.B.	Naval Service	Halifax, N.S. 28-5-17	G. M. A. S. D. A. C. E. D.....	Screw..... 80-6	28-5-17 23-9-18	Screw..... 80-6	Halifax and eastwise	Canadian Dredging Co., Midland, Ont.
Premier..... 92735 Toronto.	337	1888 Wood..... Hamilton, Ont.	Pass. 336.....	Sault Ste. Marie. 13-5-17	W. J. C. B. M.	Screw..... 20-1	5-9-17 26-3-18	Screw..... 20-1	Sault Ste. Marie and Thessalon.	The Premier S.S. Line, Sault Ste. Marie.
Premier..... 122441 St. John N.B.	153	1907 Wood..... Chifton N.B.	Freight.....	St. John N.B. 4-10-17	W. J. C. B. M.	Screw..... 20	13-10-17 15-12-17	Screw..... 20	St. John River & Grand Lake.	David Coy. St. John, N.B.
President..... 203813 New York.	5218	1906 Steel..... Camden, N.J.	Freight..... Pass. 531	Victoria, B.C. 23-3-18	J. B. S. W. E.	Screw..... 413	23-3-18 20-1-19	Screw..... 413	Seattle-Victoria-San Francisco.	Pacific Coast S.S. Co., New York.
Primrose..... 94990 Toronto.	189	1890 Steel..... Toronto, Ont.	Ferry..... 900	Hankens Point. 25-4-17	N. A. C.	Paddle..... 41-6	9-6-17 6-6-18	Paddle..... 41-6	Toronto bay.....	Toronto Ferry Co., Toronto.
Prince Albert..... 107849 Yarmouth, N.S.	127	1901 Wood..... Sheburne, N.S.	Pass.....	Toronto 6-6-17 Parrsboro, N.S. 30-4-17	N. A. C.	Screw..... 24	1-5-17 27-4-18	Screw..... 24	Parrsboro and Wolfville. Dominion Atlantic Ry. Co., Kentville, N.S.	Dominion Atlantic Ry. Co., Kentville, N.S.
Prince Arthur..... 110131 Yarmouth, N.S.	2188	1899 Steel..... Hull, G.B.	Pass..... 434	Boston, Mass. 9-4-17	N. A. C. A. McD.	Twin screw..... 341-3	17-4-17 6-4-18	Twin screw..... 341-3	Yarmouth and Boston.....	Boston and Yarmouth S.S. Co., Montreal.
Prince Edward Ferry..... 80955 Pictou, Ont.	18	1885 Wood..... Deseronto, Ont.	Ferry..... Pass. 10	Glenora, Ont. 16-5-17	M. R. D.	Paddle..... 1-6	23-11-17 31-12-17	Paddle..... 1-6	Glenora and Adolphus- town.	Win. Powles, Pictou, Ont.
Prince Edward Island..... 134206 Charlottetown, P. E. I.	2795	1915 Steel..... Newcastle, G.B.	Ferry..... 317	Pictou and Montreal 9-7-17	J. E. L. T. McC.	Twin screw..... 518	12-9-17 9-7-18	Twin screw..... 518	Pictou and Charlottetown.....	Minister of Railways, Ottawa, Ont.
Prince George..... 129748 Newcastle, Eng.	3372	1910 Steel..... Wallscod, Eng.	Freight..... Pass. 381	Prince Rupert, B.C. 19-2-18	A. F. A. F.	Twin screw..... 385-5	18-2-18 18-2-19	Twin screw..... 385-5	Seattle, Victoria, Van- couver, Prince Rupert and Skagway.	Swan-Hunter-Wigham, Wall- send, Eng.
Prince Ho..... 126476 Halifax, N.S.	473	1900 Steel..... Holland	Freight.....	Cornwall, P.Q. 26-1-17	J. E. L. M. R. D.	Screw..... 45-6	14-6-17 26-4-18	Screw..... 45-6	Montreal and Three Rivers.	The W. Popeore Co., Montreal, P.Q.
Prince John..... 129472 Prince Rupert.	904	1910 Steel..... Bowling, Eng.	Freight..... Pass. 174	Prince Albert, B. C. 16-12-18	B. M. F. B. M. F.	Screw..... 103	7-1-18 28-12-18	Screw..... 103	Victoria, Prince Rupert and Skagway.	Grand Trunk Pac. Develop- ment Co., Montreal, P.Q.
Prince Shiel..... 96889 Ottawa.	142	Iron.	Light Ship.	Quebec..... 3-1-17	J. A. S.....	Not issued.	Not issued.	Not issued.		M. & F. Depl.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivré—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Prince Rupert..... 129743 Newcastle.	3379 1626	1910 Steel Wallsend-on-Tyne.	Freight..... Pass. 395	Prince Rupert, B.C. 31-1-18 21-4-18	A. F. A. F.	31-1-18 10-1-19	Twin screw..... 118-8	Victoria, Seattle & Skagway.	Swan-Hunter et al, Newcastle, Eng.
Princess Charlotte town.	542	1896 Steel..... Grangemount, G.B.	Fishery service.	Quebec..... 2-4-17	J. A. S.	Not issued.	Screw..... 90-4	Coasting Canada.....	Minister of Marine and Fisheries, Ottawa.
Princess Adelaide. Victoria, B.C.	3060 1910	1910 Steel..... Glasgow, Scot.	Freight..... Pass. 180	Victoria, B.C. 28-1-18	W. J. C. W. J. C.	29-1-18 27-4-19	Screw..... 274-4	Victoria, Vancouver and Skagway.	Can. Pac. Ry., Montreal, P.Q.
Princess Alice..... Victoria, B.C.	3099 1904	1911 Steel..... Wallsend, Eng.	Freight..... Pass. 402	Victoria, B.C. 16-3-18 11-3-18	W. J. C. W. J. C.	16-3-18 9-3-19	Screw..... 239-9	Victoria, Seattle, Vancouver and Skagway.	Can. Pac. Ry., Montreal, P.Q.
Princess Beatrice..... Victoria, B.C.	1290 633	1903 Wood..... Victoria, B.C.	Freight..... Pass. 146	Victoria, B.C. 16-5-17 18-5-17	B. M. B. M.	21-5-17 15-5-18	Screw..... 124-7	Victoria-Prince Rupert, P.Q.	C. P. Ry. Co., Montreal, P.Q.
Princess Charlotte..... Victoria, B.C.	3844 1909	1908 Steel..... Glasgow, Scot.	Freight..... Pass. 215	Victoria, B.C. 27-4-17 28-4-17	W. J. C. W. J. C.	30-4-17 27-4-18	Screw..... 313-8	Victoria, Seattle and Skagway.	Can. Pac. Ry., Montreal, P.Q.
Princess Emma..... Victoria, B.C.	1368 827	1907 Steel..... Garston, G.B.	Freight.....	Vancouver, B.C. 9-2-18 8-2-18	H. G. R. H. G. R.	18-2-18 7-2-18	Screw..... 75	Vancouver & Coasting P.Q.	C. P. Ry. Co., Montreal, P.Q.
Princess Louise..... Cornwall, Ont.	26 7993	1879 Wood..... Ogdensburgh, N.Y.	Tug.....	Cornwall, Ont. 11-9-17	T. P. T.	17-9-17 17-8-18	Screw..... 3-3	Cornwall canal.....	H. F. Cummings, Cornwall, Ont.
Princess Maquina..... Victoria, B.C.	1777 979	1888 Steel..... Dunfermline, P.Q.	Freight..... Pass. 118	Victoria, B.C. 12-6-17 6-6-17	W. J. C. W. J. C.	14-6-17 5-6-18	Screw..... 146-8	Victoria & Holberg.....	Can. Pac. Ry., Montreal, P.Q.
Princess Mary..... Victoria, B.C.	2155 1346	1910 Steel..... Paisley, Scot.	Freight..... Pass. 440	Victoria, B.C. 3-6-17 5-5-17 26-3-18 26-3-18	B. M. B. M.	3-4-18 25-3-19	Twin screw..... 195	Victoria & Vancouver.....	Can. Pac. Ry., Montreal, P.Q.
Princess May..... Vancouver, B.C.	1717 892	1888 Steel..... Newcastle-on-Tyne.	Freight..... Pass. 161	Victoria, B.C. 28-4-17 3-5-17	W. J. C. W. J. C.	30-4-17 27-1-18	Twin screw..... 250-8	Victoria, Vancouver & Skagway.	Can. Pac. Ry., Montreal, P.Q.
Princess Patricia..... Victoria, B.C.	1157 533	1902 Steel..... Dunbarton, Scot.	Freight..... Pass. 289	Victoria, B.C. 27-2-18 18-2-18	B. M. B. M.	2-3-18 25-2-19	Triple screw..... 450	Nanaimo, Vancouver.....	Can. Pac. Ry., Montreal, P.Q.
Princess Royal..... Victoria, B.C.	1097 981	1907 Wood..... Victoria, B.C.	Freight..... Pass. 274	Victoria, B.C. 14-4-17 15-1-17	B. M. B. M.	22-6-17 13-6-18	Screw..... 143-6	Victoria and Skagway.....	Can. Pac. Ry., Montreal, P.Q.
Princess Sophia..... Victoria, B.C.	2220 1468	1912 Steel..... Paisley, Scot.	Freight..... Pass. 328	Vancouver, B.C. 22-9-17 22-3-18	W. J. C. H. G. R.	27-3-18 22-3-19	Screw..... 181-7	Victoria and Skagway.....	Can. Pac. Ry., Montreal, P.Q.

SESSIONAL PAPER No. 23

Princess Victoria, 115953 London,	1943 428	1903 Steel Newcastle-on-Tyne.	Freight, Pass. 490	Victoria, B.C. 29-5-17	B. M. B. M.	2-6-17 28-5-18	Twin screw 404	Victoria, Vancouver and Seattle.	Can. Pac. Ry., Montreal, P.Q.
Proctor, 107727 Vancouver.	43 29	1900 Wood, Nelson, B.C.	Tug.	Trout Lake 24-5-17	W. J. C.	30-5-17 23-5-18	Screw 11	Trout Lake Class IV.	C.P.R. Montreal.
Progressive, 122158 Vancouver, B.C.	88 60	1906 Wood Vancouver, B.C.	Tug.	Vancouver, B.C. 15-1-18	A. E. H.	17-1-18 14-1-19	Screw 33-7	Vancouver and Straits of Georgia.	Kingscome Nav. Co. Ltd., Vancouver, B.C.
Promise, 150390 Detroit, Mich.	473 296	1892 Wood, Detroit, Mich.	Ferry	Detroit, Windsor 10-5-17	L. D. W. E.	16-6-17 25-5-18	Screw 40-4	Detroit river.	Detroit and Windsor Ferry Co., Detroit, Mich.
Pronative, 131153 Vancouver, B.C.	55 37	1912 Wood, Vancouver, B.C.	Tug.	Vancouver, B.C. 17-11-17	H. G. R.	17-11-17 19-10-18	Screw 15-3	Vancouver & Straits of Georgia.	Progressive Steamboat Co., Vancouver, B.C.
Pro Patria, 83 St. Pierre Miquelon.	548 215	1905 Steel Troon, Scot.	Pass. 60	Halifax, N.S. 21-4-17	N. A. C. A. Me. D.	21-4-17 21-4-18	Screw 90-4	Halifax & St. Pierre	LaMoon Francis Pechers, Paris.
Protective, 131025 Victoria	73 50	1912 Wood, Vancouver.	Tug.	New Westminster 15 & 19-5-17	H. G. R.	19-5-17 14-5-18	Screw 19	Vancouver & Georgia Sis. Class IV. G. T.	Monarch, Tow. & Trade Co. New West.
Protestlaus, 128014 Liverpool, G.B.	9,547 6,118	1909 Steel, Newcastle, G.B.	Freight	Seattle, U.S.A. 23-1-18	A. E. H.	Not issued.	Twin screw 208	Foreign-going.	The China Mutual S. Nav. Co., Ltd., Liverpool, G.B.
Puffing Billy, 122493 Chatkham, N.B.	9	1903 Wood Stippigan, N.B.	Tug.	L'Anse aux Cousins 26-7-17	J. A. S.	31-3-17 26-7-18	Paddle 1-2	Dartmouth river.	J. H. Taylor, Campbellton, N.B.
Put-in-Bay, 208636 Detroit.	1,183 731	1911 Steel, Wyandotte, Mich.	Pass. 327	Detroit. 18-7-17	J. D.	20-7-17 4-6-18	Screw 209	Detroit & Sandusky	Ashley & Dustin Star Line Detroit.
Quadra, 96899 Vancouver.	683 375	1891 Steel, Paisley, Scot.	Freight	Victoria, B.C. 31-10-17	W. J. C.	31-10-17 30-10-18	Screw 120	Britannia Beach, Tac- oma.	Britannia Mining Co., Brit- annia Beach, B.C.
Qualicum, 130607 Victoria, B.C.	200 98	1904 Steel, Philadelphia, Pa.	Tug & Pass 16	Vancouver, B.C. 12-1-18	A. E. H. A. E. H.	16-1-18 3-1-19	Screw 40-6	Victoria and Vancouver coasting.	Can. Pac. Ry., Montreal, P.Q.
Quebec, 96916 Kingston, Ont.	108 60	1887 Wood Bedford Mills.	Sand barge	Ottawa, Ont. 18-6-17	J. E. L.	28-6-17 18-6-18	Screw 6-5	Ottawa & Buckingham	Brooks and Beaton, Ottawa.
Quebec, 122405 Montreal.	3497 2012	1865 Sorel, 1906 Steel.	Pass. 480 Freight.	Montreal 19-1-17	F. X. H. P. D.	15-5-17 4-5-18	Paddle 120	Montreal and Quebec.	Canada Steamship Lines, Montreal, P.Q.
Queen, 134255 Victoria	115 65	1914 Wood, New Westminster.	Tug.	Vancouver, 2nd In sp. n 2 3-18	H. G. R.	30 3-18 1-3-19	Screw 23	Vancouver & Georgia Sis	Queen City Trad. & Trans. Co., Victoria.
Queen, 20587 New York.	2,729 1,672	1882 Iron Philadelphia U.S.A.	Freight & Pass. 309	Seattle. 7-12-17	B. M.	20-12-17 20-9-18	Screw 218-4	Seattle, Victoria San Francisco.	Pacific Coast Co., Seattle.
Queen, 92355 Quebec.	367 219	1886 Wood, Levis.	Pass.	Quebec 26-9-17	J. A. S.	16-10-17 26-9-18	Screw 74	Quebec.	Que. & Levis Ferry Co., Quebec.
Queen City, 103482 Victoria, B.C.	201 181	1894 Wood Vancouver, B.C.	Freight	Vancouver, B. C. 30-10-17	H. G. R.	31-10-17 29-10-18	Screw 34	Vancouver Seattle and Anyox, B.C.	Can. Pac. Ry., Montreal, P.Q.
Queen of the Isles, 90567 Toronto, Ont.	40 27	1885 Wood, Orillia, Ont. 1906 Bracebridge, Ont.	Tug. Pass.	Gravenhurst, Ont 30-5-17	H. G. R. B. M. S. T. G.	Not issued.	Screw 11-1	Muskoka lakes and rivers.	Muskoka Leather Co., Bracebridge.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Nombres officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature du matériau.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Quinta. 13413 Vancouver, B.C.	30	1914 Wood Vancouver, B.C.	Tug.	Ocean Falls, P. C. 25-5-17	A. E. H.	25-5-17 24-5-18	Screw 9-3	Ocean Falls & Cousins, Inlet.	H. B. Babington, Prince Rupert.
R. H. Dolson. 111971 Saugeen, Ont.	44	1902 Wood Goderech, Ont.	Fishingboat	Southampton, Ont. 28-8-17	J. D.	2-10-17 28-8-18	Screw 13-5	Lake Huron.	J. B. McLeod, Southampton, Ont.
R. J. Morrill. 111853 Owen Sound, Ont.	47	1901 Wood Menard, Ont.	Fishingboat	Meaford, Ont. 15-9-17	G. M. A.	Not issued.	Screw 13-5	Georgian bay and Burtard Isles.	James Pilgrim, Meaford, Ont.
R. R. Call. 116472 Chatham, N.B.	23	1904 Wood Collingwood.	Pass. 30	Dalhousie, N.B. 5-9-17	C. E. D.	10-9-17 30-12-17	Screw 8-2	Dalhousie, N. B. to Carleton, P. Q.	F. J. Allard, Carleton, P. Q.
R. R. Foster. 130647 Ottawa, Ont.	185	1912 Wood Ottawa, Ont.	Sand barge.	Ottawa. 18-6-17	W. R. B.	28-6-17 8-6-18	Screw 4-8	Ottawa and Grenville.	Rideau Canal Supply Co., Ottawa, Ont.
Racey. 100630 Port Dover, Ont.	25	1903 Steel Buffalo, N. Y.	Fishingboat	Port Dover, Ont. 27-7-17	J. B. S.	29-11-17 27-7-18	Screw 4	Lake Erie.	H. W. Amsley, Port Dover, Ont.
Ragus. 138348 Halifax	78	1917 Wood Malbone Bay.	Pass.	Halifax 11-22-18	N. A. C.	21-11-17 22-10-18	Screw 18	Halifax Harbour.	Acadia Sugar Refin. Co., Halifax.
Rainbow. 103906 Peterboro, Ont.	56	1909 Wood Birdsall, Ont.	Pass. 196	Peterboro, Ont. 6-8-17	T. P. T.	25-8-17 10-7-18	Screw 9-4	Trent Valley canal.	Burnett and Simpson, Bird-sall, Ont.
Ralph, E. S. 90725 Halifax, N.S.	28	1886 Wood Malbone Bay, N.S.	Fishing tug.	Halifax, N.S. 26-3-18	W. E.	27-3-18 26-3-19	Screw 15-3	Coasting.	The Tug Ralph E. S., Ltd., Halifax, N.S.
Ralph T. Holcomb. 116400 Sarnia, Ont.	375	1898 Wood Marine City, U.S.	Freight.	Cardinal, Ont. 27-4-17	T. P. T.	13-6-17 27-4-18	Screw 41-6	Erie and Montreal.	Edwardsburg Starch Co., Cardinal, Ont.
Ramona. 100387 Brockville, Ont.	102	1894 Wood Hamilton, Ont.	Pass.	N. Portage, Ont. 14-5-18	M. R. D.	Not issued.	Screw 8-1	Huntsville and vicinity.	Huntsville, Lake of Bays and Lake Simcoe Nav. Co., Huntsville, Ont.
Randolph. 103259 St. John, N.B.	9	1894 Wood St. John, N.B.	Tug.	St. John, N.B. 25-4-17	C. E. D.	4-4-17 21-5-18	Twin screw 15-5	Inside Cape Spencer and Musquash Head.	St. John River Log Driving Co., Fredericton, N.B.
Rapids King. 122907 Montreal, P. Q.	1,200	1902 Steel Toronto, Ont.	Pass. 500	Sorel, P. Q. 15-5-17	F. X. H.	15-6-17 18-5-18	Twin screw 171-4	Montreal and Prescott.	The Canada Steamship Lines, Montreal, P. Q.
Rapids Prince. 130418 Montreal, P. Q.	1384	1911 Steel Toronto, Ont.	Pass. 955	Sorel, P. Q. 7-5-17	F. X. H.	2-6-17 7-5-18	Twin screw 102	Montreal and Brockville	Canada S.S. Lines, Montreal, P. Q.
Rapids Queen. 101251 Montreal.	1307	1909 Steel Sorel, P. Q.	Pass. 422	Sorel, P. Q. 5-6-17	F. X. H.	Not issued.	Twin screw 96	Montreal and Prescott.	Canada S.S. Line, Montreal
Ray Stanton. 130231 Kingston, Ont.	34	1910 Wood Collingwood.	Tug.	Kingston. 21-5-17	T. P. T.	22-5-17 21-5-18	Screw 8-4	Brighton and Montreal.	G. Pyke, Wolfe Island, Ont.

SESSIONAL PAPER No. 23

Red Fir 86674	Victoria, B.C.	Tug.	Victoria, B.C.	W. J. C.	22-8-17 21-8-18	Screw 16-7	Coasting.	Chas. Bruce, Victoria, B. C.
Red Island No. 3 90888	Quebec, P.Q.	Lighthouse	Quebec, P.Q.	J. A. S.	Not issued.		Stationed at Red Isd.	Minister, Marine and Fisheries, Ottawa.
Royal R. 138179	Prince Rupert.	Freight Passenger	Prince Rupert.	A. F.	22-8-17 15-9-17	Screw 3	Prince Rupert etc. Class III C. T.	J. A. Swanson Prince Rupert.
Reginald. 100694	Sarnia, Ont.	Tug.	Victoria harbour	G. M. A.	1-10-17 19-9-18	Screw 48-2	Georgian bay.	Victoria harbour Lumber Co., Toronto, Ont.
Reginofite. 138572	Sarnia.	Oil Tanker	Collingwood	G. M. A.	11-10-17 11-10-18	Screw 121	Lakes, River & coasting	Imperial Oil Co. Ltd., Toronto.
Reliable. 126603	Chatham, N.B.	Tug.	Halifax, N.B.	N. A. C. A. M. D.	29-5-17 25-5-18	Screw 48-2	Canadian and Foreign	Northern Dredging Co., Loggieville.
Reliance 88281	Montreal, P.Q.	Freight.	Montreal.	J. E. L. P. D.	13-6-17 12-5-18	Twin screw. 25-8	Valleyfield and Montreal.	Adolf. Lormet, Montreal, P.Q.
Reliance. 97115	Saint Ste. Marie, Ont.	Pass. tug.	Saint Ste. Marie	G. M. A. S. D. A.	17-9-17 14-5-18	Screw 66-7	St. Mary's river.	Lake Superior Paper, Co., Sault Ste. Marie, Ont.
Reliance. 103106	Vancouver.	Tug.	Vancouver.	A. E. H.	Not issued.	Screw 9	Vancouver etc. Class IV C. T.	Kingcome Nav. Co., Vancouver.
Rosene. 88244	Port Arthur.	Tug.	Port Arthur.	W. T. V.	Not issued.	Screw 21	Port Arthur & Jackfish, Co.	Superior Sandard Towing Co.
Roserve. 85710	Ottawa, Ont.	Tug Buoy service.	Sorel, P.Q.	P. X. H.	Not issued.	Screw 3-6	Montreal and St. Jean des Chaleurs.	The Public Works Dept., Ottawa.
Respond. 133708	Victoria, B.C.	Tug.	Victoria, B.C.	W. J. C.	5-7-17 3-7-18	Screw 9-1	Coasting.	W. E. Gardner, Victoria, B.C.
Rotless. 117159	New Westminster	Fishery cruiser.	Esquimalt, B.C.	W. J. C.	12-6-17 6-6-18	Screw 16.	Esquimalt harbour.	Minister, Marine and Fisheries, Ottawa.
Rox. 122194	Chatham.	Tug.	Chatham.	C. E. D.	13-8-17 21-7-18	Paddle 6	Esquimaire Village etc.	J. W. Brambley Chatham.
Roy. 122514	Vancouver, B.C.	Tug.	Vancouver, B.C.	A. E. H.	3-12-17 25-11-18	Screw 3-6	Donnan island, Comox channel.	G. A. Graham, Donnan, Island, B.C.
Rey. Ottawa (not registered.)		Pire patrol	Saults Idz., Alta.	J. T. M.	Not issued.	Screw 1-2	Petee River and Slave river.	Dept. of Interior, Ottawa.
Richard W. (Ex Pueblo)	138222	Freight.	Quebec	J. A. S.	27-4-17 27-4-18	Screw 88	Lake Erie and Father Point.	L. C. Webster, Montreal.
Rielieu. 134370	Sorel, P.Q.	Freight.	Sorel, P.Q.	P. X. H. P. D.	2-5-17 2-5-18	Screw 13-5	Montreal and Quebec.	J. L. B. LeClair, Sorel, P.Q.
Richmond. 117023	Sydney, N.S.	Pass. Is.	Grand Narrows, N.S.	D. J. M. A. M. G.	16-5-17 10-5-18	Screw 20-2	Malgrave and Grand Narrows.	Richmond Steamship Co., Sydney, N.S.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Nombres officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matière de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Rideau Queen. 10742 Kingston.....	351 195	1900 Wood Kingston.	Frt.....	Kingston. 3-9-17	T. P. T.	1-6-18	Screw..... 25	Trenton and Prescott.	Rideau Lakes Nav. Co., Kingston, Ont.
Rival. 60064 Montreal.	125 36	1873 Wood Quebec, P. Q.	Tug.....	Sorel, P. Q. 7-6-17	M. R. D. F. X. H.	10-6-17 7-6-18	Paddle..... 34-1	Sorel-Clamby.	Simeone McLaughlin Line, Montreal, P. Q.
Riverside. Alexander Bay, N. Y.	90	1892 Wood Buffalo, N. Y.	Pass. 300.	Brockville, Ont. 12-7-17	T. P. T.	17-7-18	Screw..... 28-1	St. Lawrence river and Massena.	Holmes Bros., Redwood, N. Y.
Riverton. 137898 Toronto, Ont.	4,423 2,684	1896 Steel Bay City, Mich.	Freight.....	Prescott 11-7-17	M. R. D.	12-5-18	Screw..... 196-3	Lakes and rivers.	Mathews Steamship Co., Ltd., Toronto, Ont.
Robt G. Weddell 122660 Kingston, Ont.	46 19	1907 Wood Trenton, Ont.	Tug.....	Midland 20-4-17	S. D. A. J. B. S.	28-6-17 22-6-18	Screw..... 28	Toronto Bay..	Robt. Weddell, Trenton, Ont
Robert Downey. 112191 Chatham, Ont.	37 25	1893 Wood Buffalo, N. Y.	Tug.....	Collingwood 5-10-17	G. M. A.	5-10-17 28-7-18	Screw..... 8-3	North Channel & Georgian Bay.	C. S. Boone, Dredg. & Coils. Co., Ltd., Toronto.
Robert G. Cann. 130622 Yarmouth, N. S.	265 112	1911 Wood Shelburne, N. S.	Pass. frt 67	Pictou, N. S. 21-7-17	N. A. C.	25-7-17 24-7-18	Screw..... 41-6	Malgrave and Canso	H. Cann & Son, Yarmouth, N. S.
Robert K. 120448 Port Dover.	57 39	1917 Wood Port Dover.	Fishing Tug.	Port Dover, 13-11-17	A. M. D. J. B. S.	Not issued.	Screw..... 17	Lake Erie.....	W. F. Kolbe Port Dover.
Robert McDonald 34921 Kingston.	97 50	1890 Wood 1915 Rebuilt Kings ton.	Freight.....	Kingston. 6-6-17	T. P. T.	9-6-17 6-6-18	Screw..... 18	Bay of Quinte & St. Lawrence.	A. & G. Sudds, Kingston.
Robert MacKay. 107419 Montreal.	120 87	1899 Steel Levis, P. Q.	Tug.....	Montreal. 8-5-17	I. E. L.	8-5-17 8-3-18	Screw..... 42-6	Montreal harbour.....	Harbour Commissioners, Quebec.
Robert J. Fryer. 134019 Port Arthur, Ont.	2,023 1,158	1888 Wood West Bay City, Mich.	Freight.....	Port Arthur, Ont. 29-6-17	W. J. V.	30-6-17 29-6-18	Screw..... 128-8	Port Arthur and Fort William.	J. I. Davidson, Vancouver, B. C.
Robert R. Rhodes. 131109 Montreal.	1,599 957	1887 Wood Cleveland, Ohio.	Freight.....	Trenton, Ont. 18-4-17	T. P. T.	28-4-17	Screw..... 80-6	Lake Erie and Quebec..	Canada Shipping Co., Ltd., Montreal.
Roberval. 116226 Quebec	126 71	1902 Composite. Roberval.	Freight.....	Roberval. 10-8-17	M. R. D. J. A. S.	9-8-18	Paddle..... 9-6	Lake St. John.....	La Cie de Pulp. d'Almas.
Robie M. 122024 Halifax, N. S.	67 31	1907 Wood Liverpool, N. S.	Freight.....	Pictou, N. S. 7-5-17	N. A. C.	9-5-17 7-3-18	Screw..... 19-8	Northumberland straits.	J. W. Langille, Halifax, N. S.
Roche Point. 130458 Vancouver.	76 52	1910 Wood Vancouver.	Tug and Pass. 18 c. 3 12 c. 2.	Nanaimo 21-6-17	W. J. C.	30-6-17 28-6-18 (c. 3) 30-9-17 (c. 2)	Screw..... 14	Alberni & Banfield- Chayquoct.	Halley Vancouver.

SESSIONAL PAPER No. 23

Boat Name	Registration No.	Material	Pass.	Location	J.D.	Dimensions	Engine	Notes
Rochester Duluth	1,003 867	1909 Steel Wyandotte Mich.	Pass.	Sarnia	J. D.	26-6-17 22-6-18	Twin screw 187	Great Lakes. American Interlake Co.
Rocket	56	1899 Wood 1911. Selkirk, Man.	Fishing.	Selkirk, Man.	W. J. V.	29-5-17 21-5-18	Screw 10-6	Black River and Bad Throat.
Rock Ferry	1,454	1892 Wood. Cleveland, Ohio.	Freight.	Montreal.	F. E. L. P. D.	18-4-17 5-4-18 10-9-17 19-4-18	Screw 90-1	Lake Erie to Montreal. W. Patterson & Co., Montreal, P.Q.
Rockland	78	1882 Wood 1902. Rockland, Ont.	Tug.	Hull, P.Q.	J. E. L.	11-9-17 19-4-18	Screw 6-5	Ottawa harbour. Geo. Charron and Hilaire Bray, Gatineau Point.
Rona	70	1903 Wood. Liverpool, N.S.	Tug.	Rustico, P.E.I.	C. E. D.	1-10-17 30-12-17	Screw 9-6	Coasting. Minister, Public Works, Ottawa.
Rosalie L.	73	1912 Steel. P.Q.	Tug.	Sorel, P.Q.	F. X. H.	9-5-17 23-4-18	Screw 28-1	Montreal harbour and canal. Sipicennes McNaughton Line, Montreal, P.Q.
Rosanna B.	38	1917 Wood. Malbone Bay.	Freight.	Halifax	N.A.C.	Not issued.	Screw 34	Halifax & Coasting.
rosenmary	41	1906 Wood. Sable River, N.S.	Fishing boat.	Halifax, N.S.	D. J. M.	5-12-17 3-12-18	Screw 3-2	Coasting. Mrs. R. Neville, Halifax, N.S.
Rosina, K.	33	1910 Wood. Vancouver.	Tug.	2nd insp. Vancouver	A. F. H. G. R.	26-9-17 25-9-18	Screw 94	B.C. Coast class III. I. J. Kiehlman, Vancouver.
Rosport.	19	1915 Steel. Port Arthur, Ont.	Fish tug.	Rosport, Ont.	W. J. V.	Not issued	Screw 5-4	Jeeklish and Nipigon straits. Fred Garrow, Rosport, Ont.
Roundus	123	1910 Wood. Shelburne, N.S.	Pass. 250.	Hantsport, N.S.	N. A. C. A. MeD.	27-6-17 21-6-18	Screw 19-18	Windsor and Summersville. Steamship Rotundus Co., Sommersville, N.S.
Rounder.	7	1914 Wood. St. George B.C.	Freight & Pass 9	S. Fort George.	A. F.	Not issued.	Screw 1	Fraser River class III. Bloom & Freed Fort George B.C.
Ronville.	301	1906 Wood. Sorel, P.Q.	Govt. service.	Quebec, N.S.	J. A. S. P. D.	Not issued.	Screw 51-6	Montreal and gulf. Minister, Marine and Fisheries, Ottawa, Ont.
Rover.	11	1907 Wood. Kenora, Ont.	Fishing tug.	Kenora, Ont.	W. J. V.	6-10-17 6-10-18	Screw 1-2	Lake of the Woods. The Armstrong Trading Co., Kenora, Ont.
Royalite.	2,052	1916 Steel. Collingswood, Ont.	Oil tank str. freight.	Sarnia, Ont.	J. D. S. D. A.	21-6-16 20-6-17 18-6-17 16-6-18	Screw 95-6 4-8	Great Lakes. Toronto bay. Imperial Oil Co., Sarnia, Ont. Roger Miller & Son Ltd. Toronto.
Ruby	11	1903 Wood. Barry's Bay.	Tug.	Barry's Bay	J. E. L.	Not issued.	Screw 1	Barry's Bay to Havergal. H. E. Hudson, Combermere
Ruby L.	119	1907 Wood. Margaretville, N.S.	Pass. 10.	Margaretville, N.S.	N. A. C. A. MeD.	19-7-17 12-7-18	Screw 37-5	Margaretville and John. St. Margaretville S.S. Co., Margaretville, N.S.
Russell	76	1896 Steel. Rockland, Ont.	Tug.	Rockland, Ont.	J. T. G.	30-8-17 22-8-18	Screw 8-5	Ottawa river. W. C. Edwards Lumber Co., Ottawa.
Russell Roque.	38	1890 Wood. Roche's Point, Ont.	Tug.	Killarney, Ont.	G. M. A.	31-7-17 19-7-18	Screw 9-4	Georgian bay and North J. Roque, Killarney, Ont. channel.
	26	1909 Wood. Warton, Ont.						

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. ch. H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
S. B. Grabell. 126644 Port Dover, Ont.	40	1912 Wood. Port Dover, Ont.	Tug.	Port Dover, Ont. 27-7-17	J. B. S.	30-7-17 27-7-18	Screw. 4-8	Lake Erie.	Ainsley, H. W., Port Dover, Ont.
Sable I. 341 Halifax, N.S.	731	1914 Steel. Paisley, Scot.	Pass. 54	Halifax, N.S. 23-2-17	N. A. C.	23-2-17 23-2-18	Screw. 85-2	Coasting.	J. A. Farquhar, Halifax, N.S.
Sadie. 100997 Victoria, B.C.	60	1892 Wood. Victoria, B.C.	Tug.	Victoria, B.C. 19-3-18	W. J. C.	21-3-18 19-3-19	Screw. 13-5	Coasting.	Geo. McGregor et al. Victoria, B.C.
Sagamo. 122218 Toronto, Ont.	743	1906 Steel. Gravenhurst, Ont.	Pass. 730	Gravenhurst, Ont. 29-5-16	G. M. A.		Screw. 68-8	Muskoka lakes.	Muskoka Lakes Nav. and Hotel, Co. Toronto, Ont.
Saginaw. 69524 Sarnia, Ont.	357	1873 Wood. Port Huron, Mich.	Tug.	Portsmouth, Ont. 7-9-16	T. P. T.		Screw. 21-6	Inland waters.	E. A. Booth, Jr., Kingston, Ont.
Saguway. 130526 Montreal, P.Q.	2,776	1892 Detroit, Mich. 1911 Steel. 1,864 Gowan, Eng.	FTL. pass. 404	Sorel, P.Q. 26-4-16 19-4-16	F. X. H. P. D.		Twin screw. 283	Montreal and Chicoutimi.	Canada Steamship Lines, Montreal.
St. Alice. 130905 Vancouver.	56	1890 Wood. Seattle.	Tug.	Vancouver. 16-3-18	A. E. H.	Not issued.	Screw. 21	Vancouver Class IV C.T.	W. J. Bicknell, Vancouver.
St. Andrew. 85001 Chatham, N.B.	77	1883 Wood. Chatham, N.B.	Pass. tug.	Chatham, N.B. 25-7-17	C. E. D.	30-7-17 25-7-18	Screw. 36-3	Inside Escombiac Village and north end of Parage Isd.	J. B. Snowball & Co. Chatham, N.B.
St. Andrews. 90561 Boston, Mass.	240	1901 Wood. Portland, Me.	Pass. 361	Eastport, Me. 16-7-17 16-7-17	C. E. D. W. R. B.	17-7-17 3-5-18	Screw. 37	Calais, Eastport and Int. ports.	E. S. S. Corporation, Boston.
St. Charles. 111631 Quebec.	23	1901 Wood. Quebec.	Tug.	Three Rivers. 6-8-17	F. N. H.	11-8-17 6-8-18	Screw. 4-8	Three Rivers.	Picard & Valliere, Quebec.
St. Charles (Not registered.)	32	1903 Wood. Peace River.	Tug and freight.	Peace River, Alta. 25-5-16	J. T. M.		Screw. 6	Peace River.	Walter Ford, Peace River, Alta.
St. Clair. 107246 Vancouver, B.C.	68	1893 Wood. New Westminster.	Tug.	N. Vancouver, B.C. 4-5-17	A. E. H.	5-5-17 3-5-18	Screw. 77-3	Vancouver and Points of Straits of Georgia.	The B.C. Sulphate Fibre Co., Ltd., Vancouver B.C.
St. Clair. 207582 Detroit, Mich.	870	1910 Steel. Toledo, Ohio.	Pass. 3,021	Windsor, Ont. 9-5-17 13-6-17	J. D. W. E.	10-6-17 10-5-18	Screw. 131-5	Detroit river.	Detroit and Windsor Ferry Co., Detroit, Mich.
St. Croix. 80731 Quebec.	506	1880 Wood. Quebec.	Pass. frt.	Quebec. 27-4-17	J. A. S.	29-5-17 29-5-18	Paddle. 26	Quebec-Stc. Anne de Beauport.	F. Boisvert, St. Croix, P.Q.
St. Emelle.	319	1914 Composite. Fort Chipewyan.	Tug, fishing.	Fort Chipewyan. 11-6-17	P. D. J. T. M.	16-6-17 15-6-18	Screw. 1-2	Lake Athabaska.	R. C. Mission, Fort Chipewyan, Alta.

SESSIONAL PAPER No. 23

St. Gabriel (ex St. Joseph). Winnipeg.	St. George. Newport, P. E. I.	St. George. 103937 Chatham, N.B.	St. Ignace. 134017 Port Arthur, Ont.	St. Iréné. 122406 Montreal.	St. Joe. 132434 Sault Ste. Marie, Ont.	St. Joseph. (Not registered).	St. Killis. 103942 Chatham, N.B.	St. Laurent. 80735 Montreal.	St. Lawrence. 117295 St. John, Nfld.	St. Louis. 71622 Montreal.	St. Louis. 80739 Quebec.	St. Louis. 112260 Montreal, P.Q.	St. Maurice. 114485 Quebec, P.Q.	St. Maurice No. 1. (Not registered.)	Gasoline St. Maurice. 138106 Montreal.	St. Maurice No. 2.	St. Maurice No. 3. (Not registered.)	St. Maurice No. 4. (Not registered.)	St. Maurice No. 5. (Not registered.)
10 Composite. 1912 Port Resolution 1916 Port Resolution	7	278 175	1476 934	204 1168	39 26	11 8	58 35	319 189	111 24	40 19	428 270	35 24	45 30	18	19 13	19	18	18	18
Composite. 1912 Port Resolution 1916 Port Resolution	7	1897 Wood, Chatham, N.B.	1888 Wood, rebuilt, 1906, Detroit, Mich.	1901 Steel, Sorel, P.Q.	1907 Wood, Marksville, Ont.	1912 Composite, 1916 Resolution, N.W.T.	1898 Wood, Chatham, N.B.	1909 Wood, Sorel	1903 Steel, Christians, Nor.	1907 Wood, Montreal, P.Q.	1880 Wood, Ladrière, P.Q.	1895 Gravel, Kingston, Ont.	1900 Wood, Grandes Piles, P.Q.	1901 Wood	1916 Wood, Grandes Piles, P.Q.	1905 Wood	1904 Wood, Toronto, Ont.	1912 Wood, Grandes Piles, P.Q.	1912 Wood, Toronto, Ont.
Port Resolution, 25-6-17	Cardigan Pt., 27-9-17	Chatham, N.B., 23-7-17	Port Arthur, Ont., 11-7-16 8-4-16	Sorel, 16-5-17	Sault Ste. Marie, 14-5-17	Resolution, N.W.T., 15-7-16	Chatham, N.B., 24-7-17	Montreal, 12-6-17	Victoria, B.C., 20-3-18	Montreal, P.Q., 27-4-17	Montreal, P.Q., 16-5-16 17-5-16	Smith Falls, Ont., 11-7-17 9-8-17	Rimouski, P.Q., 25-8-17	Small Piles, P.Q., 8-8-17	Grandes Piles, P.Q., 7-8-17 8-8-17	Shawinigan, P.Q., 5-9-17	Grandes Piles, P.Q., 8-8-17	Grandes Piles, P.Q., 8-8-17	Three Rivers, P.Q., 7-8-17
25-5-17 25-5-18	Not issued	Not issued	Not issued	Not issued	26-6-17 14-5-18	Not issued, 15-7-16	Not issued, 24-7-17	26-6-17 12-3-18	28-3-18 20-3-19	19-6-17 27-4-18	9-8-17 4-6-18	5-9-17 25-8-18	Not issued	10-8-18 7-8-18	Not issued	Not issued	Not issued	Not issued	Not issued
J. T. M.	C. E. D.	C. E. D.	W. J. V. G. P. P.	F. X. H.	G. M. A.	J. T. M.	C. E. D.	L. E. L.	W. J. G.	J. E. L.	F. E. L. P. D.	T. P. T. M. R. D.	J. A. S.	F. X. H.	F. X. H. P. D.	F. X. H.	F. X. H.	F. X. H.	F. X. H.
Screw, 1	40	Paddle, 44-9	Screw, 218	Paddle, 105-5	Screw, 4-8	Screw, 1-2	Paddle, 5-4	Paddle, 43	Screw, 40-4	Screw, 24	Paddle, 29-5	Screw, 6	Screw, 3-3	Twin screw, 2-7	Twin screw, 2-7	Screw, 9-8	Twin screw, 2-7	Twin screw, 2-7	Twin screw, 2-7
Slave River & Lake R. C. Mission Fort Resolution.	South Cardigan to New-P. E. I. Local Govt.	Inside Esquimaux Vil. J. B. Snowball, Chatham, N.B.	Port Arthur and Sault Ste. Marie, Co., Port Arthur, Ont.	Montreal and Chicoutimi	St. Marys river and T. B. Scott, Sault Ste. Marie, Ont.	McKenzie river	Inside Esquimaux Vil. J. B. Snowball & Co., Chatham, N.B.	Coasting	Montreal and Oka	Verdun and La Tortue	Smith Falls and Rideau Peter Cavanagh, Perth, Ont. lakes.	Rimouski harbour	St. Maurice river	Grandes Piles and La Jean Croix, Grandes Piles, P.Q.	St. Maurice river	St. Maurice river	St. Maurice river	St. Maurice river	Three Rivers harbour

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
St. Nicholas 92411 Chatham, N.B.	62 42	1885 Wood Chatham, N.B.	Tug.	Chatham, N.B. 24-7-17	C. E. D.	30-7-17 24-7-18	Screw 20-3	Inside of Esquimaux Village and north end of Portage Island.	J. B. Snowball & Co., Chatham, N.B.
St. Peter, 71623 Montreal.	66 41	1903 Wood Montreal, P.Q.	Tug.	Montreal, P.Q. 8-5-17	J. E. L.	8-5-17 8-5-18	Screw 13-6	Montreal harbour.	Harbour Commissioners, Montreal, P.Q.
St. Raphael, Winnipeg.	18	1906 Wood Peterboro.	Tug.	Port Providence 30-6-17	J. T. M.	30-6-17 30-6-18	Screw, 1	MacKenzie River class IV.	R.C. Mission Fort Frontenac
Sagunay 130526 Montreal.	2,777 1,864	1911 Steel, Glasgow.	Freight, Pass 346	Sorel 13-1-17	F. S. H.	11-5-17 13-1-18	Twin screw, 281	Montreal & Saguenay.	Canada Ship Line Co. Montreal
Salvor, 62279 Victoria, B.C.	887 561	1869 Iron, Glasgow, Scot.	Freight, 25 Pass.	Esquimalt, B.C. 19-9-17	W. J. C.	28-9-17 18-9-18	Screw 65-6	Cape Spencer, Victoria and San Diego.	British Columbia Salvage Co., Victoria, B.C.
Salvor, 116395 Port Arthur, Ont.	126 72	1898 Wood Bay City, Mich.	Tug.	Port Arthur 2-6-17	W. J. V.	6-6-17 2-6-18	Screw 51-7	Thunder Bay.	Great Lakes Dredging Co., Port Arthur, Ont.
Sam British, 122554 Collingwood, Ont.	26 7	1909 Wood, Collingwood, Ont.	Pass, 10 Tug.	The Pass, Man. 22-7-16 24-7-16	G. P. P. G. P. P.	30-4-17 22-5-18	Screw 4-1	Saskatchewan river.	Ross Navigation Co., The Pass, Man.
Samson, 100423 Ottawa.	15 7	1893 Wood, Simsco, Ont.	Tug.	Chenough Boom 22-5-17	J. E. L.	31-5-17 22-5-18	Paddle, 2-7	Chenough Boom.	Upper Ottawa Improvement Co., Ottawa.
Samson, 111629 Quebec.	94 64	1901 Composite Grandes Piles, P.Q.	Tug.	Montreal 25-1-17	J. E. L.	19-6-17 20-4-18	Twin screw, 6-7	Montreal and Oka.	Montreal Sand and Gravel Co., Montreal.
Samson, 122352 Lunenburg, N.S.	110 49	1907 Wood Shelburne, N.S.	Tug.	Halifax 24-1-17	N. A. C.	30-5-17 29-5-18	Screw 33-6	Halifax harbour.	Foley Bros. and Welch, Halifax, N.S.
Samson, 134304 New Westminster.	435 227	1914 Wood Port Coquitlam, B.C.	Stag boat.	New Westminster 30-4-17	A. E. H.	30-4-17 18-1-18	Stern wheel, 13-1	Fraser river.	Minister of Public Works, Ottawa.
Samped Marshall, 107426 Brockville, Ont.	772 540	1888 Wood Grand Haven, Mich.	Freight.	Kingston, Ont. 12-4-17	M. R. D.	12-4-17 12-4-18	Screw, 72-1	Chicago and Father Pt.	Central Canada Coal Co., Brockville, Ont.
Sand Bird 112194 Chatham.	64 43	Wood Chatham.	Sand, Sucker.	Chatham 20-9-17	J. D.	Not issued	Screw, 2	Thames River.	H. E. Crow, Chatham.
Sandon, 107451 Vancouver, B.C.	96 65	1898 Wood Roseberry, B.C.	Freight, 50 Pass.	Slocan, B.C. 18-5-17	W. J. C.	18-5-17 16-5-18	Screw 19-5	Slocan and Roseberry.	Can. Pacific Ry., Montreal, P.Q.
Santa Maria 57034 Vancouver, B.C.	309 197	1883 Steel Fairfield, Scot.	Pass, frt., 146	Vancouver, B.C. 6-10-17	A. E. H.	10-10-17 14-9-18	Screw, 54	Vancouver to Powell River.	Union S.S. Co., Ltd., Vancouver, B.C.

SESSIONAL PAPER No. 23

Sapho 13928	Detroit, Mich.	1883 Wood Detroit, Mich.	Pass. ferry	Windsor, Ont	16-6-17 24-5-18	Screw 26-6	Windsor and Detroit.....	Detroit and Windsor Ferry Co., Detroit, Mich.
Sareelle 96731	Chatham, N.B.	1900 Wood Doughlastown, N.B.	Tug	Chatham, N.B.	30-7-17 25-7-18	Screw 11-2	Inside Esquimaux Island and North end of Portage Island	J. W. Brunkley, Chatham, N.B.
Sarnia 96853	Port Arthur, Ont.	1901 Wood Sarnia, Ont.	Tug	Port William, Ont.	17-9-17 17-9-18	Screw 26-6	Port Arthur and Port William.	Canadian Tow. and Wreck- ing Co., Port Arthur, Ont.
Sarnia City 12627	Sarnia, Ont.	1900 Wood Sarnia, Ont.	Tug	Sarnia, Ont.	5-11-17 17-9-18	Screw 84-5	Lakes and rivers.....	Reid Wrecking Co., Sarnia, Ont.
Sarnian 13401	Port Arthur, Ont.	1895 Steel Cleveland, Ohio.	Freight	Collingwood, Ont.	22-4-17 19-4-18	Screw 116	All lakes and rivers.....	Canada Interlake Line, Ltd., Toronto.
Sarnolite 13451	Sarnia, Ont.	1916 Steel Collingwood, Ont.	Oil tank Stk. and Freight.	Sarnia, Ont.	23-11-17 21-11-18	Screw 95-6	Inland and Coasting.....	Imperial Oil Co., Ltd., Toronto, Ont.
Sarnor 133824	Montreal, P.Q.	1888 Wood West Bay City, Mich. 1890 Marine City, Mich.	Freight	Port Colborne, Ont.	11-7-17 5-7-18	Screw 79-2	All lakes and rivers.....	Frederie R. Johnson, Port Colborne, Ont.
Saskatoon 123965	Sunderland, Eng.	1910 Steel Sunderland, Eng.	Freight	Kings-ton, Ont.	30-1-17 16-4-18	Screw 106	Lakes and rivers and coasting.	Colonia Transp. Co., Ltd., Toronto.
Savoy 104887	London, Eng.	1895 Iron Montrose, Scot.	Pass. 43 Freight.	Quebec	14-4-17 11-4-18	Screw 41-8	Quebec and Ellis Island.	La Maritime Commerciale du Bas St. Laurent.
Schoelerafe 134270	Midland, Ont.	1884 Wood Trenton, Mich.	Freight and tug.	Midland, Ont.	8-6-17 8-6-18	Screw 32-5	All lakes and rivers.....	Manley Chew, Midland, Ont.
Scotchman 116998	Ottawa, Ont.	1904 Wood Cartleton Place, Ont.	Tug	Haileybury, Ont.	Not issued	Screw 1-6	Lake Timiskaming.....	Abitibi Power & Paper Co., Montreal.
Scotia 107829	Victoria, B.C.	1899 Wood Alfin lake, B.C.	Freight. 72 Pass.	Alfin, B.C.	18-6-17 17-6-18	Stern wheel. 3-4	Alfin lake.....	British Yukon Nav. Co., Victoria, B.C.
Scotia H. Ottawa.	Ottawa.	1915 Steel. Newcastle, G.B.	Car ferry	Mulgrave, N.S.	Not issued.	Twin screw 300-8	Mulgrave and Port Tupper.	Minister of Railways and Canals, Ottawa, Ont.
Scotia 122423	Halifax, N.S.	1907 Wood Malone Bay, N.S.	Freight. 46 Pass.	Halifax, N.S.	10-7-17 10-7-18	Screw 53-4	Halifax and Cape Breton ports.	Halifax and Casco Steam- ship Co., Halifax, N.S.
Scotsburn 126009	Halifax, N.S.	1910 Wood Malone Bay, N.S.	Pass. 18	Halifax, N.S.	11-5-17 11-5-18	Screw 32-6	Halifax and Cape Bre- ton.	Halifax and Glouce Bay Steamship Co., Halifax, N.S.
Scotia 111865	Ottawa.	1901 Steel Walker on Tync, G.B.	Ferry	Mulgrave, N.S.	Not issued.	Screw 245	Strait of Casco.....	Minister of Railways and Canals, Ottawa, Ont.
Scotsman 116331	Ottawa, Ont.	1903 Composite. Ottawa, Ont.	Freight	Hull, P.Q.	28-8-17 25-5-18	Screw 17-4	Ottawa-Montreal.....	Ottawa Transp. Co., Ottawa, Ont.
Scout 112386	Ottawa, Ont.	1900 Wood Cardinal, Ont. 1903 Kingston, Ont.	Buoy serv. Prescott, Ont.	Kings-ton, Ont.	5-6-17 4-1-18	Screw 18-4	Montreal-Trenton.....	Minister of Marine and Fish- eries, Ottawa.
Scabird 102207	Halifax, N.S.	1886 Wood Liverpool, N.S.	Fishing tug	Darmouth, N.S.	21-5-17 16-5-18	Screw 13-5	Coasting.....	C. Brester and Son, Halifax, N.S.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Sea Breeze. 204279 Buffalo, N.Y.	87	1907 Steel Buffalo, N.Y.	Pass. 587	Buffalo, N.Y. 5-7-17	J. B. S. W. E.	11-19-17 25-6-18	Screw 24	Buffalo harbour, Niagara river and Erie Beach.	C. and F. Fix, Buffalo, N.Y.
Seacrest. 122425 Halifax, N.S.	19	1908 Wood. Tancok, N.S.	Tug.	Newcastle, N.B. 26-7-17	C. E. D.	30-7-17 26-6-18	Screw 6	Inside Esplanade village and north end of Portage, I.	L. F. Smith, Halifax, N.S.
Seazull. 96872 Goderich, Ont.	31	1890 Wood. Goderich, Ont.	Tug.	Owen Sound, Ont. 2-5-17	G. M. A.	Not issued.	Screw 8-2	Georgian bay and North Shore.	J. Harrison and Sons Co., Owen Sound, Ont.
Sea Gull. 121848 Toronto, Ont.	21	1914 Owen Sound.	Pass tug.	Sturgeon Falls, Ont. 1-7-17	J. T. G.	31-8-17 17-7-18	Screw 29	Lake Nipissing.	Armstrong Towing Co., Cache Bay, Ont.
Sea Lion. 117116 Vancouver, B.C.	148	1906 Wood. Calandar, Ont.	Pass & frt. 20	Halifax, N.S. 18-4-17	M. R. D. N. A. C.	21-8-17 17-4-18	Screw 85-2	Halifax and Newfoundland.	Halifax Trading and Sealing Co., Halifax.
Sea Otter. 138227 Vancouver.	17	1916 Wood New Westminster.	Tug.	Prince Rupert. 11-2-18	A. F.	12-2-18 10-2-19	Screw 6	Prince Rupert etc. class IV.	I. S. Emerson, Vancouver.
Sea Otter. 122524 Vancouver.	13	1907 Wood. Land, B.C.	Tug.	Vancouver. 19-1-17	A. E. H.	21-1-17 18-1-18	Screw 6	Southgate River class V.C.T.	Southgate Logging Co., Vancouver.
Sea Lion. 117116 Vancouver, B.C.	218	1905 Wood. Vancouver, B.C.	Tug.	Vancouver, B.C. 18-2-18	A. E. H.	19-2-17 17-2-19	Screw 52	Vancouver and straits of Georgia.	Young & Gore Tugboat Co., Ltd., Vancouver, B.C.
Sebastian. 117323 St. John, Nfld.	103	1904 Steel. Christiana, Norway.	Tug.	Vancouver, B.C. 8-3-18	H. G. R.	12-3-18 10-4-19	Screw 39-1	Vancouver and straits of Georgia.	Victoria Whaling Co., Ltd., Toronto, Ont.
Sequin. 94763 Owen Sound, Ont.	1141	1890 Steel. Owen Sound, Ont.	Freight.	Toronto, Ont. 17-4-17	T. P. T.	4-5-17 17-4-18	Screw 106	Port William and Father Point.	Parry Sound Lumber Co., Parry Sound, Ont., and F. B. Polson, Toronto.
Selkirk. 107093 Victoria, B.C.	142	1898 Wood. Victoria, B.C.	Freight.	Vancouver, B.C. 7-5-17	V. R. D. H. G. R.	24-1-17 6-5-18	Screw 11-2	Vancouver & straits of Georgia.	Lincold S. S. Co., Vancouver, B.C.
Selkirk. 107835 Victoria, B.C.	771	1901 Wood. White Horse, Y.T.	Freight.	Dawson, Y.T. 26-6-17	A. F.	25-6-17 25-6-18	Stern wheel 17-1	Yukon river.	British Yukon Nav. Co., Victoria, B.C.
Senator. 80902 Vancouver, B.C.	400	1880 Wood. Burrard Inlet, B.C.	Tug.	Vancouver, B.C. 16-3-18	A. E. H.	30-3-18 1-3-19	Screw 9-1	Vancouver harbour.	Progressive S.S. Co., Ltd., Vancouver.
Senator. 116811 New York.	2,410	1898 Steel. San Francisco.	Freight. Pass, 261.	Seattle. 7-12-17	B. M.	7-12-17 25-5-18	Screw 180	Seattle, Victoria Singa port.	Pacific Coast Co., Victoria.
Senator Derbyshire. 112351 Montreal.	1246	1897 Wood. West Bay City, U.S.	Freight.	Montreal, P.Q. 9-5-17	J. E. L. P. D.	9-5-17 9-5-18	Screw 73-5	Lakes and rivers.	Laclaine Transp. and Coal Co., Montreal.
Senator Janson. 126272 New Westminster.	230	1909 Wood. New Westminster.	Tug. 16 Pass.	New Westminster, B.C. 27-3-17	A. E. H.	30-3-18 4-3-19	Stern wheel 9-6	Fraser river.	Fraser River Lumber Co., New Westminster, B.C.

SESSIONAL PAPER No. 23

Serieux 134131	Quebec, P.Q.	41	1913 Wood Quebec, P.Q.	Quebec, P.Q.	5-5-17	J. A. S.	St. Lawrence river	Screw	15-3	Not issued	5-5-17 5-7-17	Sup. Trudel, St. Irene, P.Q.
Shamrock 107407	Quebec	18	1898 Wood Quebec, P.Q.	Sorel, P.Q.	10-4-17	F. X. H.	Montreal & Quebec	Screw	37-5		Minister of Public Works, Ottawa.	
Shanley 120260	Kingston, Ont.	50	1908 Wood Parry Sound, Ont.	Kingston, Ont.	20-9-17	T. P. T.	St. Lawrence river	Screw	4-9		J. F. Sowards, Kingston, Ont.	
Shannon 83199	Pictou, N.S.	51	1886 Wood Pictou, N.S.	Dartmouth, N.S.	23-4-17	N. A. C.	Coasting	Screw	32-8		Beazley Bros., Halifax, N.S.	
Sheba 134276	Ottawa, Ont.	2 268 1,341	1912 Steel Sunderland, Eng.	Halifax, N.S.	15-3-17	D. L. M. A. McE.D.	Halifax and foreign ports	Screw	103-8		Minister, Railways and Canda, Ottawa.	
Shirley 110225	Quebec, P.Q.	37	1903 Wood Bic, P.Q.	Quebec, P.Q.	20-7-17	J. A. S.	Victoria	Screw	10-7		Macdalen River Valley Ry. Co., Macdalen River, P.Q.	
Shinwar 126330	Vancouver, B.C.	33 22	1883 Wood Astoria, U.S.A.	Vancouver, B.C.	19-4-17	A. E. H. H. G. R.	Fraser river and Straits of Georgia	Screw	37-7		L. W. Stud, New West minister, B.C.	
Sicamous 134276	Victoria, B.C.	1,787 994	1914 Steel Okanagan Ldg.	Penticon, B.C.	6-5-17	W. J. C.	Okanagan Landing and Penticon	Stern wheel	101-5		Cap. Pac. Ry., Montreal, P.Q.	
Silverland 126410	Ottawa, Ont.	92 53	1909 Steel Halifax, Ont.	Ville Marie, Ont.	17-5-17	J. P. L. M. R. D.	Lake Timiskaming	Screw	13-5		Timiskaming Nav. Co., Halifax, Ont.	
Sincoe 125456	Ottawa, Ont.	913 438	1909 Steel Newcastle, G.B.	Parry Sound, Ont.	5-7-17	S. D. A. J. D.	All lakes and rivers	Twin screw	130-8		Minister of Marine and Fishes, Ottawa, Ont.	
Simla 112144	Kingston, Ont.	1,197 731	1903 Steel Garden Id., Ont.	Kingston, Ont.	1-4-17 20-4-18	T. P. T. M. R. D.	Ft. William and Father Pt.	Screw	106-3		Montreal Transportation Co. Montreal, P.Q.	
Sinargo 126492	Montreal	322	1909 Steel Dumbarton, G.B.	Sorel, P.Q.	4-6-17	F. X. H.	All Canadian ports	Screw	108-7		Sincoames McNaughton Co., Montreal.	
Sir Douglas 130889	Chatham, N.B.	18 12	1912 Wood Chatham, N.B.	Chatham, N.B.	25-7-17	C. E. D.	Inside Escominc Village and north end of Port Ottawa & Grenville	Screw	6		Charles Rainsbarrow, Chatham, N.B.	
Sir Hector 96892	Ottawa	40	1891 Wood Ottawa	Hall, P.Q.	12-5-17	J. T. G.	Ottawa Trans. Co., Ottawa	Screw	17		Ottawa Trans. Co., Ottawa.	
Sir Hugh Allan 130534	Montreal, P.Q.	354 10	1911 Steel Barrow-in-Furness, G.B.	Montreal, P.Q.	25-4-17 9-3-17	J. B. L. P. D.	St. Lawrence river	Twin screw	61-8		Harbour Commissioners of Montreal, Montreal, P.Q.	
Skickwit 134012	Port Arthur	61 41	1876 Wood Buffalo	Port Arthur	3-3-17	W. J. V.	Thunder Bay class IV	Screw	10-8		Canadian Tow. & wreck Co., Pt. Arthur.	
Sleena 126212	Vancouver, B.C.	515 310	1908 Wood Vancouver, B.C.	New Westminster	23-3-18	A. E. H.	New Westminster and Chilliwack	Stern wheel	11-3		C. E. Seymour, New West- minister, B.C.	
Slocan 121080	Vancouver, B.C.	615 358	1905 Wood Roseberry, B.C.	Slocan, B.C.	17-3-16	W. J. C.	Slocan and Roseberry	Stern wheel	17-1		Can. Pac. Ry. Co., Mon- treal.	
Sogonada 126766	Montreal, P.Q.	64	1909 Steel Rathfringlen, G.B.	Pictou, N.S.	25-3-17	N. A. C.	Coasting	Screw	36		Minister of Public Works, Ottawa.	

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Tonnage—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Sol Duc. 210138 Port Townsend, U.S.A.	1,086 687	1912 Steel Seattle, U.S.A.	Pass. 561	Victoria, B.C. 21-4-17	W. J. C.	21-4-17 12-4-18	Screw 111	Victoria and Seattle	Paget Sound Nav. Co., Seattle, U.S.A.
Somona. 117111 Vancouver, B.C.	19 13	1905 Wood Vancouver, B.C.	Frt. pass. 25 Howick in summer	Vancouver, B.C. 27-5-16 27-5-16	H. G. R. H. G. R.	23-5-17 1-5-18	Screw 3-1	Vancouver and Indian river.	G. W. Brewster, Vancouver, B.C.
Somrisa. 133577 Vancouver, B.C.	57 39	1913 Wood Vancouver, B.C.	Pass. 150. 130 S. 100 W.	Vancouver, B.C. 21-5-17	H. G. R.	23-5-17 1-5-18	Screw 5-4	Vancouver and W. Van- couver.	West Vancouver Ferry Co., Vancouver.
Soo City. 117085 Collingwood, Ont.	500 296	1889 Wood Benton, Mich.	Pass. 150. 190 ex.	Collingwood, Ont. 5-8-16	E. W. McK. S. D. A.	30-5-17 29-5-18	Screw 31-0	Georgian bay & North channel.	Georgian Bay Nav. Co., Owen Sound, Ont.
Soulanges. 126149 Sorel, P.Q.	383 224	1909 Wood Pierreville, P.Q.	Freight and pass.	Montreal, P.Q. 11-5-17 21-5-17	J. T. G. P. D.	9-5-17 11-5-18	Paddle 33-6	Montreal and Ottawa	H. J. H. B. & E. Seguin, Hudson, P.Q.
South. 88314 Quebec, P.Q.	349 219	1885 Wood Levis, P.Q.	Pass. frt. 300	Quebec 29-5-17 30-5-17	P. D. W. E.	30-5-17 29-5-18	Paddle 22-5	Montreal & Longueuil	Quebec and Levis Ferry Co., Quebec.
South American. 212241 Erie Pa.	2,662 1,427	1911 Steel Erie, Pa.	Pass 678	Buffalo 21-7-17	P. D. W. E.	21-7-17 2-7-17	Screw 40	Great Lakes	Chicotini, Delich, Geo. Bay Transit Co.
Sparrow. 90561 Toronto, Ont.	38 16	1882 Wood 1889 Deschênes Creck, Ont.	Tug.	Callender, Ont. 18-7-17	J. T. G.	25-7-18 18-7-18	Screw 4	Iako Nipissing	J. B. Smith, Toronto, Ont.
Speedy II. 101920 Montreal.	233 83	1896 Steel Leith, E.R.	Patrol Boat.	Sorel 1-5-17	F. X. H.	Not issued	Twin screw 40	Halifax	P. W. Dept. Ottawa.
Sprague. 134613 Sault Ste. Marie Ont.	19 12	1915 Wood Collingwood, Ont.	Tug.	Blind River, Ont. 31-8-17	G. M. A.	4-9-17 31-8-18	Screw 1-8	North channel, Georgian bay.	J. J. McFadden, Renfrew, Ont.
Spray. 100227 Montreal, P.Q.	107 60	1893 Steel Montreal, P.Q.	Tug.	Sorel, P.Q. 21-4-17	F. X. H.	8-5-17 21-4-18	Screw 37-5	Montreal and Quebec	The Sincennes-McNaughton Liner, Montreal, P.Q.
Spray. 103145 Quebec.	21 14	1892 Levis Wood. Rebuilt 1907.	Tug.	Quebec. 28-16-17	J. A. S.	28-6-17 28-6-18	Screw 12-3	Quebec harbour	J. S. Thom, Quebec.
Spray. 122383 Victoria, B.C.	118 61	1907 Wood Vancouver, B.C.	Tug.	Victoria, B.C. 20-8-17	B. M.	21-8-17 19-8-18	Screw 19-5	Coasting	G. McGregor et al, Victoria, B.C.
Springhill. 103011 Parrsboro, N.S.	189 96	1893 Wood 1914 St. John, N.B.	Tug.	St. John, N.B. 20-9-17	C. E. D.	21-9-17 21-9-18	Screw 61-4	Coasting, N.B.	Dominion Coal Co., St. John, N.B.

SESSIONAL PAPER No. 23

Spout.	Kenora.	W. J. V.	Not issued.	Screw.	Winnipeg River class IV
16 1897 Wood. 12 Kenora.	5-10-17			1	H. Lindsay, Kenora.
60 1903 Wood 116459 Vancouver, B.C.	Vancouver, B.C. 5-1-18	A. E. H.	8-1-18 1-1-19	Screw. 11-2	Vancouver and straits of Georgia. Nanaimo Fish & Bait Co., Nanaimo, B.C.
118 1912 Wood 49 Shelburne, N.S.	St. John, N.B. 14-1-17	C. E. D. W. R. B.	10-4-17 14-4-18	Screw. 28-2	St. John Apple river and Coasting. C. T. White & Sons, Apple river, N.B.
51 1893 Wood 35 Vancouver, B.C.	Vancouver, B.C. 8-9-17	A. E. H.	10-9-17 7-9-18	Screw. 2-7	Vancouver harbour..... P. E. Ritchie, Vancouver, B.C.
56 1904 Wood 28 Owen Sound, Ont. 1912 Port Stanley, Ont.	Port Stanley, Ont. 15-10-17	J. B. S.	23-10-17 15-10-18	Screw. 6-2	Lake Erie..... Nathan S. Cornell, Port Stanley, Ont.
1,549 1881 Wood. 970 West Bay City, Mich.	Kingston, Ont. 23-4-17 25-9-17	T. P. T. P. D.	4-5-17 31-10-17	Screw. 38	Lakes and rivers..... F. E. Hall, Montreal, P.Q.
122 1888 Wood. 50 East Boston, Mass.	Dartmouth, N.S. 8-2-18	N. A. C.	11-2-18 8-2-19	Screw. 37-9	Coasting..... Lockport Cold Storage, Lockport, N.S.
1,750 1914 Steel. 1-130 Sunderland, G.B.	Kingston, Ont. 2-4-17 21-4-18	T. P. T. M. R. D.	29-5-17 29-5-18	Screw. 157	Pt. William to Father Point. Matthews S. S. Co., Ltd., Toronto, Ont.
228 1882 Composite. 53 London, G.B.	Halifax, N.S. 29-5-17	N. A. C. A. McD.	29-5-17 29-5-18	Screw. 102-9	Coasting..... Stella, Maris S. S. Co., Halifax, N.S.
511 1880 Wood. 307 Grand Haven, Mich.	Sarnia, Ont. 4-5-17 30-4-18	J. D. W. E.	12-5-17 4-5-18	Screw. 58-9	Lakes and rivers..... Horne & Chown, Kingston Ont.
1,707 1881 Wood. 138096 Cleveland.	Quebec. 21-1-17	J. A. S.	Not issued.	Screw. 79-23	Lake Erie..... L. C. Webster, Montreal
156 1904 Composite. 1099 Young's Point, Ont.	Peterboro, Ont. 6-8-17	T. P. T. W. E.	25-8-17 10-7-18	Screw. 13-5	Trent Valley canal..... P. P. Young's Pt., Ont.
44 1903 Sorel. 133780 Vancouver, B.C.	Vancouver, B.C. 18-8-17 26-2-18	A. E. H.	28-2-18 21-2-19	Screw. 13-1	Vancouver and straits of Georgia. H. Thorsen, Vancouver, B.C.
108 1885 Wood. 73 Portland, N.B. 1905 Sorel.	Sorel, P.Q. 27-4-17	F. N. H.	7-5-17 27-4-18	Screw. 42-6	Montreal and Saguenay. Minister of Public Works, Ottawa.
99 1906 Wood. 70 New Westminster.	Vancouver, B.C. 3-3-18	A. E. H.	18-3-18 28-2-19	Screw. 16	Vancouver and straits of Georgia. G. F. Payne, Siturna Isds., B.C.
21 1895 Wood. 14 New Westminster.	New Westminster. 8-3-18	H. G. R.	9-3-18 28-2-19	Screw. 9-1	Fraser river at New Westminster. Sinclair & Logan, New West- minster, B.C.
135 1909 Wood. 81 Mahone Bay, N.S.	Halifax, N.S. 9-4-17	D. J. M. A. McD.	16-4-17 9-4-18	Screw. 24	Coasting..... Messrs. Hendry Ltd., Halifax, N.S.
44 1901 Wood. 30 Ladner, B.C.	Vancouver, B.C. 9-8-17	A. E. H.	10-8-17 7-4-18	Screw. 10-7	Vancouver and Straits of Georgia. Gore & Young, Vancouver.
27 1911 Wood. 16 Parrsboro, N.S.	Quebec, P.Q. 25-9-17	J. A. S.	28-9-17 25-9-18	Screw. 8	Quebec harbour..... Dominion Iron & Wrecking Co. Ltd., Montreal.
36 1893 Wood. 25 Victoria, B.C.	New Westminster. 30-5-17	A. E. H.	30-5-17 28-5-18	Screw. 8-4	Barke channel and Kinsquit R. Draney, Nanm bathouit, B.C.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Where and When Built—Material. Amorcé et lieu de construction—Nature de la coque.	Tonnage.	Trade—No of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Swan 122340 Vancouver, B.C.	30 1907 Wood 21 Vancouver, B.C.	30	Tug. 26 3-18	Vancouver, B.C. 26 3-18	A. E. H.	5-4-18 25 3-19	Screw 10-1	Sticogato, Queen Charlotte Islands.	T. A. Lozing and Lumber Co., Vancouver, B.C.
Stell. 130882 Victoria, B.C.	85 1912 Wood 42 Vancouver, B.C.	85	Tug. 20-6-17	Victoria, B.C. 20-6-17	B. M.	22 6-17 19 6-18	Screw 18-8	Coasting.	Victoria Tug Co., Ltd., Victoria, B.C.
Sybella H. 85697 Chatham, N.B.	71 1884 Wood 48 Chatham, N.B.	71	Ferry pass. 40	Chatham, N.B. 2-7-17	C. E. D. W. R. B.	10-9-17 30 12-17	Paddle 7-9	Chatham to Ferryville.	Miramichi Steam Nav. Co., Chatham, N.B.
Syracus 1,469 Pictou, Ont.	2,105 1911 Steel 1,469 Pictou, Ont.	2,105	Pass 200	Sorel, P.Q. 12-6-17	F. N. H. P. D.	15 6-17 12 6-18	Twin screw 183-7	Montreal and Chicoutimi	The Canada Steamship Lines, Montreal, P.Q.
T. and B. 133845 Vancouver, B.C.	11 1913 Wood 7 Vancouver, B.C.	11	Tug & pass 10	Nanaimo, B.C. 21-12-17	W. J. C.	21-12-17 20 12-18	Screw 2	Nanaimo, Gabriola Isd and Coasting.	T. R. McLaugh, Nanaimo B.C.
T. R. 126629 Vancouver, B.C.	13 1908 Wood 9 Retreat Cove, B.C.	13	Tug, pass 10	Nanaimo, B.C. 21-12-17	W. J. C.	21-12-17 20-12-18	Screw 1	Nanaimo and points on Gabriola Isd. Coasting.	T. R. McLaugh, Nanaimo, B.C.
T. J. Clark 12958 Toronto, Ont.	75 1911 Composite 51 Toronto, Ont.	75	Prct. 20-6-17	Toronto, Ont. 20-6-17	S. B. S.	28 6-17 26 6-18	Tw. Ser. 4-2	Toronto Bay.	Clark Limited, Toronto, Ont.
T. F. Battle 126992 St. Catharines, Ont.	54 1888 Wood 32 Detroit, U.S.A.	54	Tug. Thorold, Ont.	Thorold, Ont. 26-10-17	J. B. S.	Not issued.	Screw 10-8	Port Colborne and Port Maitland, Ont.	Jos. Battle, Thorold, Ont.
T. F. Jarmih 112327 Collingwood, Ont.	48 1889 Wood 19 West Bay City, Mich.	48	Tug. Toronto, Ont.	Toronto, Ont. 13-4-17	J. B. S.	13 4-17 13 4-18	Screw 16-6	Whitby and Cobourg Harbours.	Jennings & Ross, Ltd., Toronto, Ont.
T. J. Waffles 130767 Kingston, Ont.	149 1913 Wood 75 Smith Falls, Ont.	149	Freight Kingston, Ont.	Kingston, Ont. 3-5-17	T. P. T.	Not issued.	Screw 4-8	Lake Erie & Montreal	James Swift & Co., Kingston
T. Osborne 100416 Ottawa, Ont.	25 1893 Wood 18 Ottawa, Ont.	25	Tug. Cahnet, P.Q.	Cahnet, P.Q. 23 8-17	J. T. G.	31 8-17 23 8-18	Screw 4-8	Hawkesbury and Rouyn.	W. E. Lawlor, Hawkesbury Ont.
Tadoussac 112267 Montreal.	1701 1879 Iron 1052 Wilmington, Del.	1701	Freight 35 Pass.	Sorel, P.Q. 24-9-17 Quebec 5-5-17	F. N. H. P. D.	9-5-17 24-4-18	Paddle 120	Montreal & Chicoutimi	Canada Steamship Lines Montreal.
Taklan 134639 Victoria.	69 1916 Wood 59 New Westminster.	69	Freight Vancover.	Prince Rupert 24-5-17 Vancover 19-6-17	A. E. H.	21 5-17 23 5-18	Twin screw 13	Stikine River.	Hudson's Bay Co., London Eng.
Tarbac Vancover.	198 1917 Wood 156 Atlin, B.C.	198	Freight Pass. 77	Vancover 19-6-17	A. F.	19-6-17 18-8-17	Twin screw 61	Atlin Lake.	British Yukon Nav. Co., Ltd., Vanc.
Tartar 124355 Vancouver, B.C.	133 1906 Steel 50 Bowling, Eng.	133	Pass tug 13	Victoria, B.C. 17-7-17	W. J. C.	20-7-17 16-7-18	Screw 41-6	Port Renfrew, Victoria and Vancouver.	Grant, Smith & McDonnell, Victoria, B.C.

SESSIONAL PAPER No. 23

Tashmoo 145843	Detroit, Mich.	1900 Steel. Wyandotte, U.S.	Pass 3000	Detroit, Mich. 6-6-17	J. D. W. E.	7-6-17 25-5-18	Paddle 347	Detroit river	White Star Line, Detroit, Mich.
Tees 679	Victoria, B.C.	1893 Steel. Stockton, Eng.	Freight 22 Pass.	Victoria, B.C. 1-8-17	B. M.	15-8-17 31-7-18	Screw 97-9	Victoria and Coastwise	Can. Pac. Ry., Montreal, P.Q.
Tenaguni (Not registered.)		1903 Wood Simcoe, Ont.	Warp tug	Cable Bay, P.Q. 15-7-17	J. T. G.	Not issued.	Paddle 2-4	Lake Nipissing	George Gordon, Sturgeon Falls, Ont.
Tempest 112289	Winnipeg, Man.	1901 Wood Selkirk, Man. 1915 Selkirk.	Fish tug	Selkirk, Man. 21-5-17	W. J. V.	29-5-17 21-5-18	Screw 19-5	Selkirk and Warren Landing.	Northern Fish Co., Selkirk, Man.
Teno 107430	Brookville, Ont.	1892 Wood Detroit, U.S. 1913 partially rebuilt, Midland, Ont.	Pass	Midland, Ont. 30-5-17 30-6-17	G. M. A. S. D. A.	1-7-17 30-6-18	Screw 2-1	Midland, Penetang, Port McNicoll and Parry Sound, Ont.	N. K. Waag, Midland, Ont.
Tepic 87180	Vancouver, B.C.	1883 Steel. Blairwall, Eng. 1911 Vancouver, B.C.	Tug	Vancouver, B.C. 29-5-17	A. E. H.	31-5-17 28-5-18	Screw 33-6	Vancouver and straits of Georgia.	Eyans, Coleman and Evans, Ltd., Vancouver, B.C.
Terrebonne 103336	Montreal.	1895 Steel. Sorel, P.Q.	Pass 350 Freight	Sorel 20-4-17 19-4-17	P. N. H. P. D.	7-5-17 20-4-18	Paddle 26-2	Monreal to Richelieu river.	The St. Lawrence Nav. Co., Montreal.
Thames 121679	Vancouver.	1905 Wood Vancouver.	Yacht	Vancouver 18-3-17	H. G. R.	26-3-18 12-3-19	Screw 31	B. C. Coast	E. Nicholson, Vancouver.
The Belle 100624	Port Dover, Ont.	1899 Wood Port Dover, Ont.	Fishing tug	Meaford, Ont. 13-9-17	G. M. A.	Not issued.	Screw 13-5	Meaford and Western Islands.	A. Kennedy, Meaford, Ont.
The Morgan 13255	Port Stanley, Ont.	1911 Wood Port Stanley, Ont.	Fishing boat	Port Stanley, Ont. 13-10-17	J. B. S.	20-10-17 13-10-18	Screw 13-1	Lake Erie	Morgan Bros., Port Stanley, Ont.
Thirty-Three 115525	Ottawa, Ont.	1902 Steel. North Shields, G.B.	Govt. Ser.	Canso, N.S. 12-5-17	D. J. M.	Not issued	Screw 20-2	Coasting	Minister of Marine and Fisheries, Ottawa.
Thistle 78024	Collingwood.	1881 Wood Collingwood.	Tug	Rondeau 14-8-17	J. D.	20-8-17 11-8-17	Screw 5	Lake Erie	N. Macaulay and R. Nichol, Kent, Ont.
Thistle 107887	Dawson, Y.T.	1902 Wood Dawson, Y.T.	Frt	White Horse, Y.T. 22-6-17	A. F.	22-6-17 21-6-18	Storm wheel 4-8	Yukon river.	British Yukon Navigation Co., Ltd., Victoria, B.C.
Thomas B 133345	Halifax	1885 Wood Brooklyn, N.Y.	Freight	Halifax 2-10-17 10-10-17	D. J. M. A. M.	12-10-17 10-11-17	Screw 65	Coasting	H. J. Mathers, Halifax.
Thomas Crosby 131147	Vancouver, B.C.	1912 Wood Vancouver, B.C.	Mission Steamer	Vancouver, B.C. 30-3-18	A. E. H.	20-3-18 22-3-19	Screw 19-5	Vancouver and ports in B.C.	J. H. White, Sardis, B.C.
Thomas Fisher 134016	Port Arthur.	1911 Composite. Port William.	Tug	Port William 5-7-17	W. J. V.	5-7-17 5-7-18	Screw 11	Thunder Bay Class. IV.	Great Lakes Prodig. Co., Port Arthur.
Thomas J. Drummond 120883	Sault Ste. Marie.	1910 Steel. Dumbarton, G.B.	Freight	Montreal, P.Q. 3-5-17 1-5-17	J. E. L. P. D.	4-5-17 3-5-18	Screw 117	Lakes and coasting	Algona Central and Hudson Bay Ry., Sault Ste. Marie, Ont.
Thomas Laponite.		Wood	Tug	Lake St. Francis 19-7-17	L. A. S.	Not issued.	Twin screw 2	Lake St. Francis	Brompton, P. & P. Co
Thomas Maitland 107595	Owen Sound, Ont.	1890 Wood Owen Sound, Ont.	Tug	Owen Sound, Ont. 2-5-17	G. M. A.	21-5-17 2-5-18	Screw 39-8	Georgian Bay & Lake Huron.	Rixon Angie and Stobhart Co., Ltd., Owen Sound, Ont.
Thomas Mason 133755	St. John, N.B.	1904 Wood South Boston, Mass.	Govt. Ser.	St. John, N.B. 25-5-17	C. E. D.	Not issued.	Screw 10	Inside Musquash head and cape Spencer.	Minister Marine and Fisheries, Ottawa, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Antée et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Thousand Islander..... 20990b, Cape Vincent, N. Y.	355 242	1912 Steel Toledo, Ohio.	Pass..... 800 P. 556 R.	Kingston, Ont. 28-9-17	T. P. T. M. R. D.	26 7-17 24-7-18	Twin screw... 37.5	Cape Vincent and Ogdenburg.	Thousand Island Steamboat Co., Cape Vincent, N. Y.
Thyra..... 116755 Toronto, Ont.	33 23	1887 Wood Poughkeepsie, N. Y.	Fish. Patrol	Port Arthur, Ont. 24-7-17	W. J. V.	19-5-17 6-9-17	Screw..... 8-6	North Shore of Lake Superior,	Minister of Public Works for Prov. of Ontario, Toronto.
Thlapanok (American). 208718 Seattle, U. S. A.	421 283	Wood 1911 North Bend, I. S. A.	Freight and Pass. 35	Vancouver 18-5-17	H. G. R.	10-8-17 1-8-18	Twin screw... 33	Pr. Rupert and Alaska.	G. T. P. Alaska S. S. Co., Seattle.
Tillie Battle 130286 St. Catharines.	76 51	1917 Rebuilt 1914 Wood Thorold.	Sand sucker	Thorold 1-8-17	J. B. S.	20-5-17 23-5-18	Screw..... 7	Chippewa creek Class III.	Can. Sand & Gravel Co., Ltd., Thorold.
Tillicum 122535 Vancouver, B. C.	14 9	1916 Wood Port Simpson, B. C.	Tug.....	Arrowhead, B. C. 23-5-17	W. J. C.	9-7-17 30-6-18	Screw..... 32-6	Arrow lakes.....	R. Simpson, Arrowhead, B. C.
Togo. 116741 Halifax, N. S.	97 66	1904 Wood Dartmouth, N. S.	Tug. 100 Pass Halifax Har	Halifax, N. S. 30-6-17 6-7-18	D. J. M. A. McD.	10-9-17 4-9-18	Paddle..... 9 6	Halifax harbour and Coasting.	Togo Steamship Co., Halifax, N. S.
Togo. 122492 Chatham, N. B.	51	1907 Wood Newcastle, Eng.	Tug.....	Campbellton, N. B. 4-9-17	C. E. D.	28-5-17 18-4-18	Screw..... 88-8	Restigouche river.....	Richards Mfg. Co., Campbellton, N. B.
Toiler 129767 Kingston, Ont.	162 1036	1910 Steel Newcastle-on-Tyne.	Freight.....	Port William, Ont. 17-9-17	T. P. T. M. R. D.	16-10-17 28-8-18	Twin screw... 5-4	Father Point and Duluth	Great Lakes Transp. Co., Midland, Ont.
Tommy Mathieu... 134320 Kenora, Ont.	20 13	1914 Wood Fort Frances, Ont.	Alligator tug.	Fort Francis 28-8-17	W. J. V.	15-10-17 31-10-18	Screw..... 12	Prince Rupert and Georgetown.	Cyrus W. Pech, Vancouver, B. C.
Topaz 122162 Vancouver, B. C.	34 23	1903 Steel Victoria, B. C.	Tug.....	Prince Rupert, B. C. 15-10-17	A. F.	5-6-17 2-6-18	Paddle.....	Toronto and Prescott...	Richelieu and Ontario Nav. Co., Montreal.
Toronto. 107412 Toronto, Ont.	2779 1652	1898 Steel Toronto, Ont.	Pass..... 400	Toronto, Ont. 20-5-17 2-6-18	J. B. S. W. E.	18-5-17 1-5-18	Screw..... 19	Louisville, Three Rivers and Sorel.	Tourville Lumber Co., Montreal.
Tourville. 120851 Sorel.	57 296	1911 Wood Sorel.	Tug.....	Sorel 1-5-17 2-6-17	F. N. H. P. D.	31-1-18 31-1-15	Screw..... 16-7	Victoria, Vancouver and Puget sound.	C. S. Baxter, Victoria, B. C.
Trader. 107838 Victoria, B. C.	167 114	1901 Wood Vancouver, B. C.	Freight.....	Victoria, B. C. 28-1-18	B. M.	20-9-17 19-9-18	Screw..... 11-3	Parry Sound and Midland.	Playfair-Preston Co., Midland, Ont.
Trader S. 126636 Midland, Ont.	96 66	1912 Wood Midland, Ont.	Pass..... 8	Midland, Ont. 21-9-17	G. M. A. S. D. A.	16-6-17 17-4-18	Paddle screw 347	Windsor to Detroit.....	Wabash Railway Co., Detroit, Mich.
Transfer 145503 Detroit, Mich.	1511 1060	1888 Steel Cleveland, Ohio.	Pass. Car Ferry.	Detroit, Mich. 12-6-17	W. E.				

SESSIONAL PAPER No. 23

Transport. 145211	1880 Iron Wyanodote, Mich.	Railway car ferry.	Detroit, Mich. 27-11-17	J. D. W. E.	30-11-17 12-11-18	Paddle. 108-4	Windsor and Detroit.....	Wanbush Ry. Co., Detroit, Mich.
Traveler. 111930	1871 Wood Sheboegan, Wis.	Tug.	Port Arthur, Ont. 10-5-17	W. J. V.	31-5-17 10-5-18	Screw..... 118	Father Point & Duluth. Russell Timber Co., Port Arthur, Ont.	
Tremblay 138266	1917 Wood. Chicoutimi.	Pass 40	Chicoutimi 21-5-17	J. A. S. P. D.	26-5-17 21-5-18	Paddle..... 10	Chicoutimi and Ste. Anne, Chi.	Jos. Tremblay, St. Anne, Chi.
Trepanier 134038	1911 Wood. Vancouver, B.C.	Freight. 14 Pass.	Penticton, B.C. 6-6-17	W. J. C.	9-5-17 5-5-18	Screw..... 1-1	Okanagan lake.....	Okanagan Lake Boat Co., Naramata, B.C.
Trillium 126833	1910 Steel. Toronto, Ont.	Ferry Pass. 1350	Toronto, Ont. 25-4-17	J. B. S. W. E.	9-6-17 6-6-18	Paddle..... 48-2	Toronto bay.....	Toronto Ferry Co., Toronto, Ont.
Trois Pistoles 138268	1911 Wood Quebec.	Pass.....	Trois Pistoles 23-8-17	J. A. S.	Not issued	Screw..... 6	Trois Pistoles and Es- coumum.	J. E. Rioux and F. Scrois.
Trois Rivieres 126768	1910 Steel. Sorel, P.Q.	Pass. & Frt 1050	Sorel, P.Q. 17-4-17	F. X. H. P. D.	17-4-17 15-5-18	Paddle..... 53-3	Montreal & Trois Riv- ieres.	Canada S.S. Lines, Montreal.
Turbina 112201	1904 Steel. Hepburn-on-Tyne, B.	Pass 1350	Hamilton, Ont. 21-6-17	J. B. S.	23-6-17 20-6-18	Triple screw..... 437-5	Toronto, Hamilton & Lewiston.	Canada S.S. Lines, Toronto.
Turret Crown. 104279	1895 Steel. Sunderland, Eng.	Freight.	Seattle, U.S.A. 10-8-17	W. E. A. E. H.	16-8-17 9-8-18	Screw..... 175	Vancouver and foreign ports.	Coastwise Steamship & Barge Co., Vancouver, B.C. George Gordon, Pembroke, Ont.
Turtle. 112394	1902 Wood. Cache Bay, Ont.	Warp tug.....	Cache Bay, Ont. 17-7-17	J. T. G.	Not issued.	Paddle..... 1-6	Lake Nipissing.....	
Tussle. 137884	1916 Wood. Lunenburg, N.S.	Pass 130 Tug.	Bridgewater, N.S. 17-1-17	N. A. C. A. M. D.	19-7-17 17-8-18	Screw..... 28-2	Lahave & Bridgewater.	Lahave S.S. Co., West Lahave, N.S.
Tut-shi Vancouver.	1917 Wood Carrross, B.C.	Freight and Pass. 165	Carrross, B.C. 14-6-17	A. F.	14-6-17 13-8-17	Paddle..... 17	Taku Lake. Class III Inland.	British Yukon Nav. Co., Ltd.
Tutty. 111835	1905 Wood. Peterboro, Ont.	Yacht.....	Peterboro, Ont. 6-8-17	F. P. T.	11-8-17 10-7-18	Screw..... 4	Trent canal.....	H. Allan, Peterboro, Ont.
Two Friends. 100627	1905 Wood. Port Dover, Ont.	Fishboat.....	Port Dover, Ont. 26-7-17	J. B. S.	30-7-17 20-7-18	Screw..... 9-3	Lake Erie.....	H. W. Ansley, Port Dover, Ont.
Tyce. 107639	1899 Wood. New Westminster.	Tug.....	New Westminster, B.C. 9-1-19	A. E. H.	Not issued.	Screw..... 10-7	Vancouver & straits of Georgia.	The Packers Steamship Co., Vancouver, B.C.
Unatilla 25242	Iron Chester, U.S.A.	Freight and Pass. 491	Seattle, Wash. 5-11-17	W. J. C.	15-11-17 29-5-18	Screw..... 217	U.S., Canada, and for- eign ports.	Pacific Coast S.S. Co., New York.
Una. 107370	1885 Wood Peekskill, N.Y.	Tug.....	Heuleys Falls, Ont. 4-9-17	T. P. T.	14-9-17 4-7-18	Screw..... 1-6	Trent canal.....	Dredging Dock Co., Toronto, Ont.
United Lamberman 85707	1884 Wood. Dresden, Ont.	Freight.....		G. M. A. S. D. A.	5-5-17 29-4-18	Screw..... 46-2	Sault Ste. Marie and Quebec.	Morden Transit Co., Mid- land, Ont.
Urgel 138061	1915 Wood. Monte Bello, P.Q.	Pass. Ferry 10	Monte Bello, P.Q. 23-3-17	J. T. G. P. D.	11-7-17 17-4-18	Paddle..... 2-7	Monte Bello and Alfred P.Q.	Henry Carriere, Monte Bello P.Q.
Vg Et Vieux 131159	1912 Wood. Fassett, P.Q.	Ferry..... 10	Fassett, P.Q. 23-8-17	J. T. G. P. D.	27-8-17 11-7-18	Screw..... 2-2	Fassett-St. Thomas.....	Andre Clretion, Fassett P.Q.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Nombres officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H. P. Propulsion—N. en H. P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Val Cartier..... 116573 Fort William, Ont.	3,751	1903 Steel, Cleveland, Ohio.	Freight.....	Port W. Nicoll, Ont. 10-4-17	G. M. A. S. D. A.	5-5-17 26-4-18	Screw..... 147	Pt. Colborne & Duluth..	Stull, Shipping Co., Ltd., Stull Str. Marine, Ont.
Vallalla..... 111541 Vancouver, B. C.	153 34	1901 Wood, Nelson, B. C.	Tug pass.....	Nelson, B. C. 25-4-18	W. J. C.	19-7-17 12-7-18	Screw..... 30	Kootenay lakes.....	Can. Pac. Ry., Montreal, P. Q.
Valinda..... 130234 Yarmouth, N. S.	117 60	1911 Wood, Liverpool, N. S.	Pass and frt. 0	Bridgetown, N. S. 12-5-17	N. A. C. A. McD. H. G. R.	7-8-16 7-8-17	Screw..... 18-4	Bridgetown and St. John.	Bridgetown S. S. Co., Bridgetown.
Vancouver..... 92775 Vancouver.	47 32	1888 Wood Victoria.	Tug.....	Vancouver 18-4-17		19-4-17 17-4-18	Screw..... 130	Vancouver and Georgian straits.	E. H. Heaps & Co., Van- couver.
Varennes..... 133907 Sorel, P. Q.	186 82	1911 Wood Sorel, P. Q.	Tug.....	Sorel, P. Q. 11-1-17	F. X. H.	Not issued	Twin screw..... 20-2	St. Lawrence river.....	Minister Marine & Fisheries, Ottawa.
Varna..... 72967 Pictou.	134 85	Wood 1880 Kingston. 1903 Trenton.	Pass.....	Kingston 24-5-17 18-7-17	T. P. T. M. R. D.	19-7-17 21-5-18	Screw..... 17	Trenton and Prescott.....	Ont. & Que. Nav. Co., Pic- ton.
Vaughan..... 134238 Winnipeg, Man.	131 91	1914 Wood Selkirk, Man.	Tug.....	Selkirk, Man. 17-5-17	W. J. V.	28-5-17 17-5-18	Screw..... 20-2	Red River.....	Minister, Public Works, Ottawa.
Venture..... 129475 Victoria, B. C.	1,011 580	1910 Steel, Old Kilpatrick, Scot.	Freight..... pass, 186	Vancouver, B. C. 15-3-18	A. E. H.	15-3-18 1-3-19	Twin screw..... 171	Vancouver and Prince Jupert.	Union S. S. Co., Vancouver.
Vera T..... 126354 Quebec, P. Q.	36 22	1909 Wood Lauson, Que.	Tug.....	Quebec 28-6-17	J. A. S.	28-6-17 28-6-18	Screw..... 3-3	Quebec harbour.....	J. S. Thom, Quebec, P. Q.
Verbena..... 125601 Kenora, Ont.	73 46	1907 Wood Kenora, Ont.	Tug.....	Keewatin, Man. 1-5-17	W. J. V.	28-5-17 11-5-18	Screw..... 13-5	Lake of the Woods.....	Lake of the Woods Milling Co., Kenora, Ont.
Vercheres..... 135955 Sorel.	147 53	1908 Wood Sorel, P. Q.	Tug.....	Sorel, P. Q. 25-4-17	F. X. H.	Not issued	Screw..... 24-7	St. Lawrence river.....	Minister, Marine & Fisheries Ottawa.
Vermillion..... 126357 Quebec, P. Q.	41 23	1909. Wood Grande Piles, P. Q.	Tug.....	Saanauar, P. Q. 30-8-17	F. X. H.	Not issued	Paddle..... 3-2	St. Maurice river.....	St. Maurice Contracting Co., Three Rivers, P. Q.
Victor..... 90728 Chatham, N. B.	46 29	1889 Wood Chatham, N. B.	Tug.....	Campbellton, N. B. 4-9-17	C. E. D.	10-9-17 4-9-18	Screw..... 8	Inside Hevon Island Light & Power-digashi point.	Richards Mfg. Co., Camp- bellton, N. B.
Victoria..... 23808 Detroit, Mich.	192 116	1872 Wood Detroit, Mich.	Ferry Pass.....	Detroit, Mich. 9-10-17	J. D.	18-10-17 22-9-18	Screw..... 26-6	Windsor & Detroit.....	Detroit and Windsor Ferry Co., Detroit, Mich.
Victoria..... 107408 Ottawa.	181 108	1899 Wood Toronto, Ont.	Pass, frt. 235	Ottawa, Ont. 7-1-17	J. E. J. P. D.	Not issued	Screw..... 16-7	Ottawa-Thurso.....	Victoria Nav. Co., Ottawa, Ont.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Where and when Built—Material. Amorcé et lieu de construction—Nature de la coque.	Tonnage.	Trade—No. of Pass. Servicio—Numero de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N.H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms of adresses des propriétaires.
W. J. Guest 138419 Winnipeg.	97 1917 Wood 66 Selkirk.	Tug.	Selkirk	3-10-17	W. J. V.	29 10-17 3 10 18	Screw	Lake Winnipeg Class IV.	Northern Fish Co., Ltd., Selkirk.
W. L. Forrest, 122613 Goderich, Ont.	84 1912 Wood. 57 Goderich, Ont.	Tug.	Walkerville, Ont.	5-10-17	J. D.	17-10-17 4-10-18	Screw	Amherstburg and Port Huron.	Berningham & Forrest, Goderich, Ont.
W. L. Murphy, 131121 Ottawa, Ont.	80 1912 Wood. 49 Pembroke, Ont.	Ferry. 40 Pass.	Pembroke, Ont.	20-9-17 23-5-17 11-9-17	J. E. L. M. R. D.	20-9-17 23-5-18	Screw	Pembroke-Allumette Isd.	W. L. Murphy, Pembroke, Ont.
W. M. Weatherspoon, 94697 Sydney, N.S.	59 1890 Wood. 31 Digby, N.S.	Tug.	Halifax, N.S.	20-7-17	D. J. M.	25 7-17 26-8-18	Screw	Halifax harbour.	D. Rudderham, North Sydney, N.S.
W. R. Charlton, 134497 Quebec, P.Q.	62 1906 Wood. 36 Sault au Monton, P.Q.	Tug.	Quebec, P.Q.	3-5-17	J. A. S.	3-5-17 3-3-18	Paddle	Sault au Monton.	Hoerville Lumber Co., Sault au Monton, P.Q.
W. Grant 126517 Victoria.	103 1910 Steel. 37 Victoria.	Whaler.	Victoria	19-2-18	B. M.	1-3-18 18-2-19	Screw	B.C. Coast Class IV B.	Victoria Whaling Co., Tor- onto.
W. Grants-Morden, 134015 Port Arthur, Ont.	8,611 1914 Steel. 6,086 Port Arthur, Ont.	Frt. pass. 10	Port McNeill, Ont.	18-4-17 25-4-17	G. M. A. S. D. A.	5-5-17 25-4-18	Screw	All lakes and rivers.	Western Drydock & Ship- building Co., Port Arthur, Ont.
Wabana, 100702 Pictou, N.S.	12 1899 Steel. 8 New Glasgow, N.S.	Tug.	North Sydney, N.S.	10-8-17	D. J. M.	10-8-18	Screw	Sydney harbour.	N.S. Stead & Coel Co., New Glasgow, N.S.
Wacouta, 116633 Lindsay, Ont.	33 1909 Wood. 22 Peterborough, Ont.	Pass.	Lindsay, Ont.	17-8-17	T. P. T.	25 8-17 10 7-18	Screw	Trent Valley canal.	W. B. Burgoyne & Sons, Pendon Falls, Ont.
Wahnapitau, 116754 Toronto, Ont.	153 1904 Wood. 95 Penetang, Ont.	Tug.	Penetang, Ont.	25-9-17	G. M. A.	1 10 17 25 9-18	Screw	Georgian bay.	C Beck Mfg. Co., Penetang, Ont.
Wake, 131159 Prince Rupert.	18 1912 Wood. 12 Vancouver.	Freight and Pass. 20	Anyox, B.C.	16-3-16	A. F.	Not issued	Screw	Portland Canal, Anyox, B.C.	Kerwin & Fowler, Alice Arm, B.C.
Wanakewan, 126465 Kingston, Ont.	68 1910 Wood. 44 Kingston, Ont.	Pass. and Freight 107	Ottawa, Ont.	12-5-17 25-5-17	J. T. G. P. D.	9 6-17 12-5-18	Screw	Ottawa and Cars.	B. W. Campbell, Ottawa, Ont.
Wanda, 94650 Shelburne, N.S.	38 1890 Wood. 32 Shelburne, N.S.	Fishing boat.	Yarmouth, N.S.	14-7-17	N. A. C.	19-7-17 14-7-18	Screw	Coasting.	H. Cann & Sons, Yarmouth, N.S.
War Dance, Port Arthur.	2,231 1917 Steel. 1,337 Port Arthur.	Freight	Port Arthur.	24-11-17	W. J. V.	24 11-17 1-1-18	Screw	Port Arthur to Fother Point, Class IV.	Imperial Munitions Board, Ottawa.
War Fish, 138008 Port Arthur.	2,646 1917 Steel. 1,613 Port Arthur.	Freight	Port Arthur.	18-9-17	W. J. V.	18-9-17 31-10-17	Screw	Port Arthur to Fother Point, Class IV.	Jas. Playfair, Midland.

SESSIONAL PAPER No. 23

War Wasp 103810 Pictou.	1,422 810 New Glasgow.	1917 Steel.	New Glasgow. 3-8-17	W. J. V.	20-8-17 3-8-18	Screw.	Canadian and Foreign Ports, Class H.
Wanita. 103683 Toronto, Ont.	44	1896 Wood. 1913 Burks Falls.	Burks Falls, Ont. 20-7-17	J. T. G.	24-7-17 20-7-18	Screw.	Burks Falls-Almie har- bour.
Waring. 100684 St. John, N.B.	29	1892 Wood. 20 Kings Co., N.B.	St. John, N.B. 11-10-17	C. E. D.	11-10-17 11-10-18	Screw.	Indo Musquash Head and Cape Spencer
Wasson. 120258 St. John, N.B.	45	1909 Wood. 1904 St. John, N.B.	St. John, N.B. 25-10-17	C. E. D.	24-10-17 23-10-18	Screw.	Coasting.
Water Lily. 94923 Pictou, Ont.	95	1891 Wood. 60 Pictou, Ont.	Sorel, P.Q. 9-5-17	F. X. H.	15-5-17 9-5-18	Screw.	Montreal harbour and Lachine canal.
Water Witch. 116288 Halifax, N.S.	90	1903 Wood. 51 Dartmouth, N.S.	Halifax, N.S. 4-8-17	D. J. M.	4-8-17 4-8-18	Screw.	Halifax harbour.
Waubano. 138497 Montreal.	61	1917 Wood 34 Saumon, P.Q.	Saumon. 31-8-17	F. X. H.	Not issued.	Paddle.	Saumon and Chaudière St. Maurice Co.
Waubaushene. 112336 Collingwood, Ont.	135	1904 Steel. 52 Collingwood, Ont.	Waubaushene, Ont. 18-9-17	G. M. A.	1-10-17 18-9-18	Screw.	Georgian bay.
Waubio. 122555 Collingwood, Ont.	504	1909 Steel. 244 Collingwood, Ont.	Collingwood, Ont. 5-6-17	G. M. A.	22-6-17	Twin screw.	Penetang and Parry Sound.
Wauketa. 206077 Detroit, Mich.	543	1909 Steel. 208 Toledo, O.	Detroit, Mich. 3-5-17	J. D.	22-6-17 22-6-18	Screw.	Port Huron and Toledo.
Waukon. 130971 Collingwood, Ont.	29	1912 Wood. 20 Collingwood, Ont.	Point au Baril. 8-6-17	W. E.	5-6-17 22-3-18	Screw.	White Star Line, Detroit, Mich.
Wawinet. 115762 Toronto, Ont.	68	1904 Wood. 46 Toronto, Ont.	Penelon Falls, Ont. 16-8-17	S. D. A.	30-8-17 29-8-18	Screw.	Point au Baril and Pte. au Baril station.
Web. 126646 Port Dover.	36	1903 Wood. 20 Buffalo, U.S.	Port Dover, Ont. 26-7-17	J. B. S.	30-7-17 26-7-18	Screw.	Lake Erie.
Welcome. 85510 Collingwood.	21	1886 Wood 14 Collingwood.	Port Arthur. 1-12-17	W. J. V.	1-12-17 11-9-18	Screw.	Port Arthur and Ross port.
Wendigo. 126444 Kenora, Ont.	33	1908 Wood. 20 Kenora, Ont.	Kenora, Ont. 2-5-17	W. J. V.	Not issued	Screw.	Lake of the Woods.
Westarian. 117073 Ottawa, Ont.	988	1871 Iron. 580 Buffalo, N.Y.	Montreal, P.Q. 23-4-17	J. T. G.	30-4-17	Screw.	Port William and Fether Point.
Westham. 126276 New Westminster.	199	1909 Wood. 125 New Westminster.	Vancouver, B.C. 22-11-17	H. G. R.	28-4-18 23-11-17	Screw.	Vancouver, Nainimo & New Westminster.
Westmount. 138232 Montreal.	7,302	1917 Steel. 5,635 Collingwood.	Collingwood 24-4-17	G. M. A.	22-8-17	Screw.	Port Colborne and Port William.
Westport III. 116208 Yarmouth.	140	1903 Wood. 49 Shelburne.	Halifax 12-5-17	N. A. C.	12-5-18	Screw.	Coasting.
West Vancouver, B.C. 134086 Vancouver, B.C.	71	1914 Wood 49 Vancouver, B.C.	Vancouver, B.C. 16-10-17	A. M.	Not issued	Screw.	Coasting.
				H. G. R.	25-5-17 1-5-18	Screw.	Vancouver and West Vancouver.

TABLE I—Continued.—TABLEAU I—Suite.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature du matériau.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Wethersfield 11445 Montreal, P.Q.	1,875 1,171	1903 Steel. Waldsend on Tyne, G.B.	Freight..... G.H.	Chesler, Pa. 26-3-18	T. P. T. M. R. D.	30-3-18 24-3-19	Screw..... 167-6	Kingston, Ont. and over-seas.	Inter American Steamship Co., Ltd., Toronto, Ont.
We Two 12254 Vancouver, B.C.	32	1907 Wood. Vancouver, B.C.	Tug..... 27-4-17	Vancouver, B.C. 22-3-18	A. E. H.	Not issued.	Screw..... 9-4	Vancouver harbour....	Evans Coleman & Evans, Vancouver, B.C.
Weymouth 94824 Picton, N.S.	154 116	1890 Wood. Weymouth, N.S.	Trt..... 1901 North Sydney.	Sydney, N.S. 4-5-17	D. J. M. A. McD.	10-5-17 1-4-18	Screw..... 29	Sydney and Port Hastings.	Merchants Transportation Co., Sydney, N.S.
Whitsham 126522 Vancouver, B.C.	106 72	1909 Wood. Nakusp, B.C.	Tug..... 22-5-17	East Robson, B.C. 22-5-17	W. J. C.	16-5-17 1-5-18	Screw..... 37-3	Arrow head and Robson P.Q.	Can. Pac. Ry., Montreal P.Q.
White 131338 Liverpool, Eng.	13 10	1915 Wood. Hamilton, Ont.	Pass..... 70	Hamilton, Ont. 13-6-17	J. B. S. W. E.	14-6-17 24-5-18	Screw..... 8-4	Burlington bay.....	Hamilton Shipbuilding & Ferry Co., Hamilton, Ont.
Wherow 92490 Kingston, Ont.	48 26	1889 Composite. Kingston, Ont.	Pass..... 85	Hamilton, Ont. 12-7-16	J. B. S. W. E.	16-5-17 1-5-18	Screw..... 3-2	Burlington bay.....	Hamilton Shipbuilding & Ferry Co., Hamilton, Ont.
White 131338 Liverpool, Eng.	102 37	1910 Steel. Christiana, Norway.	Whaler.....	Victoria, B.C. 18-2-18	B. M.	1-3-18 17-2-19	Screw..... 45-6	Coasting.....	Victoria Whaling Co., Ltd., Toronto, Ont.
White Horse 107837 Victoria, B.C.	987 631	1901 Wood. White Horse, Y.T.	Freight..... 169 Pass.	Dawson, Y.T. 1-7-17	A. F.	1-7-17 30-6-18	Stern wheel..... 17	Yukon river.....	British Yukon Nav. Co., Victoria, B.C.
White Star 103961 Montreal	624 313	1897 Steel. Montreal.	Pass..... 700	Sorel, P.Q. 22-5-17	E. N. H. P. D.	22-5-17 9-5-18	Paddle..... 40-7	Montreal and St. Helen's Island.	Canada Steamships Line, Montreal, P.Q.
White Wing 119165 Picton, Ont.	17 12 1425	1887 Wood. Cleveland, O.	Tug..... Freight.....	Lake St. Francis, P.Q. 19-3-17	J. A. S.	30-7-17 19-7-18	Screw..... 2-1	Lake St. Francis.....	Brompton Pulp & Paper Co., East Angus, P.Q.
Willard 130761 Kingston, Ont.	27 18	1912 Wood. Rideau Ferry, Ont.	Yacht.....	Port Colborne. 11-4-17	J. B. S. W. P.	Not issued.	Screw..... 36	Lakes and rivers.....	C. S. Lines, Montreal, P.Q.
William Aikton 90880 Charlottetown.	75 51	1887 Wood. Yarmouth, N.S.	Tug.....	Smith Falls, Ont. 14-7-17	T. P. T.	20-7-17 3-6-18	Screw..... 1-2	Rideau canal.....	Mabel A. Code, Smith Falls, Ont.
William A. Rooth 96858 Port Arthur.	52 32	1872 Wood. Port Colborne.	Tug.....	Charlottetown, P.E.I. 28-9-17	C. E. D.	1-10-17 28-9-18	Screw..... 34-6	Inside Rice Point and Prin Point.	W. H. Bakt Bros., Charlottetown, P.E.I.
William D. 121953 Port Stanley.	7	1899 Wood. Erie, Pa.	Tug.....	Port Arthur. 6-9-17	W. J. V.	5-11-17 1-1-18	Screw..... 18	Port Arthur and Nipigon Class IV.	Jas. Horrigan Co., Port Arthur.
Wm. J. Averill 138107 Montreal, P.Q.	1,854 1,063	1884 Wood. Detroit, Mich.	Freight.....	Gore Bay, Ont. 23-7-17	G. M. A.	Not issued.	Screw..... 1-2	Shoalored waters off Gore Bay.	off Jas. Young, Gore Bay, Ont.
				Kingston, Ont. 22-4-16	T. P. T. M. R. D.	Not issued.	Screw..... 88-8	Duluth & Father Point.	Lake and River Transp. Co., Ltd., Montreal, P.Q.

SESSIONAL PAPER No. 23

Owner	Registration No.	Class	Material	Port of Origin	Inspected	Remarks	Agent	Class	Material	Port of Destination	Inspected	Remarks	Agent
William Edwards 134528	1879	Wood	Abbotts Bridge, Ohio	Sydney, N.S.	19-4-17		A. M. D.	Screw	107-6	Canadian and foreign	20-4-17		Wm. Edwards Steamship Co., Sydney, N.S.
William Johnston 80874	1873	Wood	Garden Island	Portsmouth, Ont.	27-3-17		T. P. T.	Screw	12-9	St. Lawrence river	Not issued		Wm. Donnelly, Kingston, Ont.
William H. Loder 126731	1909	Wood	Vancover, B.C.	New Westminster, B.C.	8-9-17		A. E. H.	Stern wheel	9-6	Fraser river	16-6-17		Minister of Public Works, Victoria, B.C.
William H. Murray 106887	1894	Wood	St. John, N.B.	Dartmouth, N.S.	30-5-17		D. J. M.	Screw	33-6	Halifax harbour	31-7-17		Henry, Limited, Halifax, N.S.
Wm. M. 111812	1901	Wood	Chatham	Dalhousie	5-9-17		C. E. D.	Screw	13	Bay of Light and Tracadigash Pt.	10-9-17		Dalhousie Lumber Co., Dalhousie
Wm. Rollar 134193	1882	Wood	Saugatauck, Mich.	Sault Ste. Marie, Ont.	11-5-17		G. M. A.	Screw	8-5	St. Mary River	9-5-17		A. B. McLean, Sault Ste. Marie, Ont.
Willie C. 107492	1893	Wood	Baldwille, N.Y.	Sorel	28-8-17		F. N. H.	Screw	3	Riviere St. Francois	Not issued		L. Cohen, Montreal
Willrose 136980	1915	Wood	Collingwood	Meaford	13-9-17		G. M. A.	Screw	11	Meaford, Coasting	Not issued		Wm. Rose, Meaford
Wilma 136326	1911	Wood	Collingwood	Port Stanley	12-10-17		J. B. S.	Screw	11	Lake Erie	20-11-17		Wilma Fish Co., Port Stanley
Winsor 125386	1892	Wood	Marine City, Mich.	Kingston	14-4-17		T. P. T.	Screw	27	Erie and Quebec	30-4-17		M. T. Co., Montreal
Winnar 116314	1884	Wood	Port Clinton, Ont.	Port Burwell, Ont.	16-10-17		J. B. S.	Screw	20-1	Lake Erie	23-10-17		C. F. Stanton, et al, Port Stanley, Ont.
Winona 94717	1902	Wood	Port Stanley, Ont.	Gore Bay, Ont.	3-8-17		G. M. A.	Screw	24	Gore Bay and Thessalon	16-8-17		Las. Parvis, Gore Bay, Ont.
Wireless 126783	1910	Wood	New Westminster, B.C.	Vancouver, B.C.	11-5-17		H. G. R.	Screw	33	Vancouver and Straits of Georgia	12-5-17		Westminster Towing and Fishing Co., New Westminster, B.C.
Woburn (J. Jubilee) 138089	1915	Composite	Lake Megantic	Lake Megantic, P.Q.	10-10-17		J. A. S.	Screw	2-1	Megantic and Woburn	11-10-17		H. W. Alron, Lake Megantic, P.Q.
Wolfe-Islander 119763	1897	Composite	Toronto, Ont.	Kingston, Ont.	23-4-17		M. R. D.	Paddle	28-2	Kingston and Wolfe Island	25-4-17		Corporation of the Tp. of Wolfe Island, Ont.
Wolverine 102295	1903	Wood	Selkirk, Man.	Selkirk, Man.	21-5-17		W. J. V.	Screw	31-8	Selkirk and Warrea landing	20-5-17		Northern Fish Co., Winnipeg, Man.
Yale 116492	1903	Wood	Nakusp, B.C.	Arrowhead, B.C.	11-5-17		W. J. C.	Screw	16	Arrow lakes	28-5-17		Bowman Lumber Co., Comaplx, B.C.
Yarmouth 95373	1887	Steel	Dumbarton, G.B.	New York	8-5-17		C. E. D.	Screw	211-7	Coasting	17-5-17		North American S.S. Corporation, Halifax N.S.
Yanck 126467	1896	Wood	Clayton, N.Y.	Kingston, Ont.	12-5-17		T. P. T.	Screw	3-5	Trouton and Prescott	12-5-17		D. J. Kenney, Gananoque, Ont.

TABLE I—Concluded.—TABLEAU I—Fin.

Name of Vessels—Official No.—Port of Registry. Noms des navires—Noms officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material. Année et lieu de construction—Nature de la coque.	Trade—No. of Pass. Service—Nombre de pass.	Port and Date of Inspection. Ports et dates d'inspection.	Inspectors' Initials. Initiales des inspecteurs.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Propulsion—N. H.P. Propulsion—N. en H.P.	Route.	Name and Address of Owners. Noms et adresses des propriétaires.
Ymir 107432 Vancouver, B.C.	70 47	1898 Wood Nelson, B.C.	Tug.	Nelson, B.C. 15-5-17	W. J. C.	29-5-17 14-5-18	Screw 27.3	Kootenay lake.	Can. Pac. Ry. Co., Montreal
Yorkton 132069 Sunderland, Eng.	1772 1136	1911 Steel Sunderland, Eng.	Freight.	Midland, Ont. 14-4-17	G. M. A. S. D. A.	12-5-17 20-4-18	Screw 106.3	Lakes and rivers.	Matthews Steamship Co., Toronto.
You and I 112050 St. Catharines, Ont.	25 17	1902 Wood Port Matland, Ont.	Fishing boat	Port Matland, Ont. 26-4-17 18-7-17	J. B. S.	Not issued	Screw 4	Lake Erie.	McKeown Bros., Port Matland, Ont.
Yucilla 134612 Victoria, B.C.	9 6	1913 Wood Nanaimo, B.C.	25 Pass.	Nanaimo, B.C. 22-6-17	W. J. C.	25-6-17 21-6-18	Screw 1.0	Nanaimo and Gabriola Island.	Jancovski Bros., Nanaimo, B.C.
Yvon 122226 Montreal, P.Q.	51 26	1906 Wood Sorel, P.Q.	Tug.	Sorel, P.Q. 7-5-17	F. X. H.	22-5-17 21-7-18	Screw 29	Montreal harbour and canals.	Sincennes-McNaughton Line, Montreal.
Zaides 38150 Sydney, N.S.	19 13	1884 Wood Dartmouth, N.S.	Tug.	North Sydney, N.S. 5-5-17	D. J. M.	16-5-17 3-5-18	Screw 3.3	Sydney Harbour.	W. S. Thompson, North Sydney, N.S.
Zara 100625 Port Dover, Ont.	35 24	1903 Wood Port Rowan, Ont.	Tug.	New Liskeard 26-5-17	J. E. L.	31-5-17 26-5-18	Screw 2.1	Lake Timiskaming.	Reynolds and Hendry, Toronto, Ont.

SESSIONAL PAPER No. 23

TABLE II.—Showing Inspections made during Fiscal Year ended March 31, 1918, of Dredges, Drill Bouts, Floating Elevators, etc., arranged according to Districts.

TABLEAU II.—Inspections faites durant l'exercice financier terminé le 31 mars 1918, de dragues, bateaux-forets, élévateurs, flottants, etc. Les noms sont disposés d'après les districts.

Tonnage: Gross registered—Brut enregistré.

HALIFAX DIVISION.—N. A. Currie and D. J. Murray, Inspectors.

DIVISION D'HALIFAX—N. A. Currie et D. J. Murray, inspecteurs.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Port d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Class of Vessel. Catégories des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
Ferguson, 130599 Halifax, N.S.	387	1912 Steel. Welland, Ont.	Dipper dredge.	Pictou, N.S., 8-5-17	9-5-17 8-5-18	Harbour.	Beasley Bros., Halifax, N.S.
P. W. D. No. 5. (Not registered.)	387	1904 Toronto, Ont.	Suction dredge.	Pictou, N.S., 7-5-17	9-5-17 7-5-18	Harbour.	Minister of Public Works, Ottawa.
P. W. D. No. 7. 130249 (In Canada) Ottawa	232	1872 Iron. Kennew, G.B.	Dredge.	Liverpool, N.S., 21-5-17	22-5-17 21-5-18	Coasting.	Minister of Public Works, Ottawa.
P. W. D. No. 13 133950 Ottawa.	404 401	1914 Wood.	Dipper Dredge.	Pictou, 7-5-17	9-5-17 7-5-18	Harbour.	Public Works Department.

TABLE II—Continued.—TABLEAU II—Suite.

NEW BRUNSWICK AND PRINCE EDWARD ISLAND DIVISION—C. E. Dalton, Inspector.
 DIVISION DU NOUVEAU-BRUNSWICK ET DE L'ÎLE DU PRINCE-ÉDOUARD—C. E. Dalton, inspecteur.

Name of Vessel— No.—Port of Registry. Noms des navires— Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction— Nature de la coque.	Class of Vessel. Catégories des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate: Issued— Expire. Certificat: Délivrance— Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
McDougald 131009 St. John, N.B.	805	Wood Not known	Dredge	Point du Chêne, N.B. 24-5-17	11-6-17 21-4-18	Northumberland straits	Roger, Millar & Co., Ltd., Shediac, N.B.
P. W. D. No. 1. 131181 Ottawa, Ont.	1,695 887	1905 Steel Toronto, Ont.	Dredge	St. John, N.B. 29-4-17	17-10-17 26-4-18	St. John harbour	Minister of Public Works, Ottawa, Ont.
P. W. D. No. 2 71716 Halifax.	467	1875 Iron Renfrew.	Dredge	St. John, N.B. 22-5-17	23-5-17 22-5-18	Coasting	Public Works Department.
P. W. D. No. 3. 130612 Ottawa	470 349	1900 Steel Amsterdam.	Dredge	Bathurst 17-9-17	Not issued.	Coasting	Public Works Department.
P. W. D. No. 9. 130346 Charlottetown.	368 368	1906 Steel Toronto, Ont.	Dredge	Georgetown, P.E.I. 26-9-17	1-10-17 26-9-18	Inside Cape Bear & Souris Head	Minister of Public Works, Ottawa, Ont.
P. W. D. No. 10. 130347 Charlottetown.	241	1871 Wood Summerside, P.E.I.	Dredge	Charlottetown, P.E.I. 27-9-16		P. E. I. harbours and rivers.	Minister of Public Works, Ottawa, Ont.
P. W. D. No. 11. 130348 Charlottetown.	192 192	1911 Wood Pugwash, N.S.	Dredge	Rustico, P.E.I. 25-9-17	1-10-17 25-9-18	P. E. I. rivers and har- bours.	Minister of Public Works, Ottawa, Ont.
Hopper No. 63 15138 London, Eng.	486 187	1912 Steel Hull, Eng.	Hopper barge	St. John, N.B. 1-11-17	Not issued.	Foreign	J. Constant, London, Eng.
Hopper No. 64 15138 London, Eng.	486 187	1912 Steel Hull, England.	Hopper barge	St. John, N.B. 1-11-17	Not issued.	Foreign	J. Constant, London, Eng.

QUEBEC DIVISION.—J. A. Samson, Inspector.
DIVISION DE QUEBEC.—J. A. Samson, inspecteur.

King Edward 122482 Quebec.	330 330	1903 Wood. Montreal.	Dredge.	Levis 4-5-17	15-5-17 4-5-18	Rimonski. Harbour.	W. J. Pompro. Montreal.
P. W. D. Crane No. 2				Chicoutimi 22-5-17	Not issued.	Saguenay river.	Public Works Department, Montreal
Q. H. C. Elevator Dredge No. 2... 13498 Quebec, P.Q.	520 554	1914 Steel.	Elevator dredge.	Quebec, P.Q. 23-5-17	30-6-17 29-6-18	Quebec harbour	Quebec Harbour Commission, Quebec, P.Q.
J. L. L. No. 9... 13495 Quebec, P.Q.	187 178	1914 Wood Quebec, P.Q.	Suction dredge	Quebec P.Q. 24-4-17	14-8-17 24-9-18	Quebec harbour	La Cie Sable Union, Ltee, Quebec, P.Q.
M. & F. No. 9... 131049 Sorel, P.Q.	1,332 837	1905 Steel. Germany.	Suction dredge.	Quebec P.Q. 27-4-17	Not issued.	St. Lawrence river.	Marine and Fisheries, Ottawa, Ont.
P. W. D. No. 115... Ottawa, Ont.	414	1907 Wood. Ottawa, Ont.	Dipper dredge.	Chicoutimi, P.Q. 22-5-17	Not issued.		Minister of Public Works, Ottawa, Ont.

SOREL DIVISION.—F. X. Hamelin, Inspector.
DIVISION DE SOREL.—F. X. Hamelin, inspecteur.

M. & F. No. 2... 131043 Sorel, P.Q.	539 508	1896 Wood Sorel, P.Q.	Elevator dredge	Sorel, P.Q. 24-4-17	Not issued.	St. Lawrence river	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 3... 131044 Sorel, P.Q.	528 479	1900 Steel Sorel, P.Q.	Elevator dredge	Sorel, P.Q. 10-5-16	Not issued	St. Lawrence river	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 4... 131045 Sorel, P.Q.	555 330	1900 Wood Sorel, P.Q.	Dredge.	Sorel, P.Q. 19-9-17	Not issued.	St. Lawrence river	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 5... 131046 Sorel, P.Q.	566 519	1901 Wood Sorel, P.Q.	Elevator dredge	Sorel, P.Q. 24-9-17		St. Lawrence river.	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 6... 131047 Sorel, P.Q.	603 559	1902 Wood Sorel, P.Q.	Elevator dredge	Sorel, P.Q. 11-5-17	Not issued.	St. Lawrence river	Marine and Fisheries, Ottawa.
M. & F. No. 8... 131048 Sorel, P.Q.	2,040 1,260	1907 Steel Sorel, P.Q.	Suction dredge	Sorel, P.Q. 9-5-17	Not issued.	St. Lawrence river	Marine and Fisheries, Ottawa.

TABLE II—Continued.—TABLEAU II—Suite.

SOREL DIVISION—F. X. HAMMEL, Inspector
 DIVISION DE SOREL—F. X. HAMMELIN, Inspecteur.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Noms des officiers—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de l'acier.	Class of Vessel. Catégorie des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate: Issued—Expires. Certificat: Délivrance—Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
M. & F. No. 12. 134361 Sorel, P.Q.	841 682	1912 Steel. Sorel, P.Q.	Elevator dredge.	Sorel, P.Q. 29-4-17	Not issued.	St. Lawrence river.	Minister of Marine and Fisheries, Ottawa, Ont.
M. & F. No. 13. 134362 Sorel, P.Q.	841 682	1913 Steel. Sorel, P.Q.	Elevator dredge.	Sorel, P.Q. 30-4-17	Not issued.	St. Lawrence river.	Minister of Marine and Fisheries, Ottawa, Ont.
Rock Breaker No. 1. 134363 Sorel, P.Q.	309 197	1911 Steel. Sorel, P.Q.	Stonebreaker.	Sorel, P.Q. 8-5-17	Not issued.	St. Lawrence river.	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 14. 134365 Sorel, P.Q.	812 331	1914 Steel. Collingwood, Ont.	Elevator dredge.	Sorel, P.Q. 25-4-17	Not issued.	St. Lawrence river.	Minister of Marine and Fisheries, Ottawa.
M. & F. No. 15. 134366 Sorel, P.Q.	887 331	1914 Steel. Collingwood, Ont.	Elevator dredge.	Sorel, P.Q. 18-4-17	Not issued.	St. Lawrence river.	Minister of Marine and Fisheries, Ottawa.
Capital. 121787 Ottawa, Ont.	178	1905 Wood. Ottawa, Ont.	Spoon dredge.	Three Rivers, P.Q. 6-8-17	11-8-17 6-8-18	Three Rivers Harbour.	A. Marchildon and L. E. Dufresne, Three Rivers, P.Q.
Coal Barge No. 6. (Not completed)	611 340	1916 Steel. Sorel, P.Q.	Coal barge.	Sorel, P.Q. 12-4-17	Not issued.	Montreal and Quebec.	Minister of Marine and Fisheries, Ottawa.
Hopper Barge No. 1. 134364 Sorel, P.Q.	676 317	1913 Steel. Levis, P.Q.	Mud hopper.	Sorel, P.Q. 18-5-17	Not issued.	Canadian ports.	Marine and Fisheries Department, Ottawa, Ont.
Stone Lifter No. 4. (Not registered)	.....	1910 Steel. Sorel, P.Q.	Stone Lifter.	Sorel, P.Q. 18-6-17	Not issued.	Cap. Laroche.	Minister of Marine and Fisheries, Ottawa.

SESSIONAL PAPER No. 23

MONTREAL DIVISION—J. E. Lunan and J. T. Gardham, Inspectors.

DIVISION DE MONTREAL—J. E. Lunan et J. T. Gardham, inspecteurs.

Filgate.....	1879 Iron. Montreal.	Derriek scow.....	Kingston, Ont. 10-9-17	Not issued.....	Kingston to Montreal.....	J. L. Weller, St. Catharines.
F. A. R. No. 3 Peterboro.	67 1917 Wood. 67 (Glen Ross 0)	Dipper dredge.....	Hazel's Island 8-9-17	14-9-17 5-7-18	Trent canal.....	Robertson & Maloney, Cornwall.
John Kennedy.....	359 1892 Wood.....	Dipper dredge.....	Montreal, P.Q. 24-4-17	5-5-17 24-1-18	Montreal harbour.....	Harbour Commission of Montreal.
129451 Montreal, P.Q.	359 Levis, P.Q.	Dipper dredge.....	Cedars, P.Q. 1-10-16		Inlet to Cedars Power House.....	Montreal General Contracting Co. Montreal, P.Q.
Ottawa.....	220 1889 Wood.....	Dipper dredge.....	Montreal, P.Q. 2-5-16		Montreal and Three Rivers.....	Wm. J. Poupore, Montreal, P.Q.
107736 Montreal, P.Q.	130 Cornwall, Ont.	Suction dredge.....	Montreal, P.Q. 18-4-16		Rivers.....	Dept. Public Works, Ottawa.
Prince Itc.....	473 1900 Steel.....	Dipper dredge.....	Montreal, P.Q. 1-10-16		Inlet to Cedar Rapids Power House.....	Montreal General Contracting Co., Montreal, P.Q.
126474 Halifax, N.S.	321 Holland.	Dipper dredge.....	Cedars, P.Q.		Rideau canal.....	Dept. Railways and Canals, Ottawa.
134451 Ottawa, Ont.	115 1906 Wood.....	Dipper dredge.....	Ottawa, Ont. 2-5-15		Montreal harbour.....	Harbour Commissioners, Montreal, P.Q.
St. Pierre.....	201 1899 Wood.....	Dipper dredge.....	Montreal, P.Q. 25-4-17	7-5-17 25-4-18	Montreal harbour.....	Harbour Commissioners, Montreal, P.Q.
107899 Montreal, P.Q.	180 Three Rivers.	Dipper dredge.....	Montreal, P.Q. 27-4-17	5-5-17 24-4-18	Montreal harbour.....	Harbour Commissioners, Montreal, P.Q.
Tav. (Not registered.)		Dipper dredge.....	Montreal, P.Q. 24-4-17	5-5-17 24-4-18	Montreal harbour.....	Harbour Commissioners, Montreal, P.Q.
Dredge No. 4.....	461 1890 Steel.....	Dipper dredge.....	Buckingham, Que. 21-8-17	Not issued.....	Lievre river.....	Minister of Public Works, Ottawa.
107881 Montreal, P.Q.	436 Levis, P.Q.	Dipper dredge.....	Ottawa, Ont. 12-5-17	Not issued.....	Ottawa river.....	Minister of Public Works, Ottawa.
Dredge No. 5.....	498 1910 Steel.....	Dipper dredge.....	Montreal P.Q. 15-5-17	Not issued.....		
130921 Montreal, P.Q.	498 Toronto, Ont.	Dipper dredge.....	Montreal P.Q. 15-5-17			
Dredge No. 6.....	550 1911 Steel.....	Dipper dredge.....	Montreal P.Q. 15-5-17			
138997 Montreal, P.Q.	550 Sorel, P.Q.	Dipper dredge.....	Montreal P.Q. 15-5-17			
Dredge No. 102.....	115 1905 Wood.....	Dipper dredge.....	Buckingham, Que. 21-8-17			
134557 Ottawa, Ont.	104 Buckingham, P.Q.	Dipper dredge.....	Ottawa, Ont. 12-5-17			
Dredge No. 103.....	104 1909 Wood.....	Dipper dredge.....	Montreal P.Q. 15-5-17			
134558 Ottawa, Ont.	104 Ottawa, Ont.	Dipper dredge.....				
Dredge No. 123.....	404 1912 Wood.....	Dipper dredge.....				
133384 Ottawa, Ont.	404 Ottawa, Ont.	Dipper dredge.....				

TABLE II—Continued.—TABLEAU II—Suite.

MONTREAL DIVISION—J. E. Luman and J. T. Gardham, Inspectors.

DIVISION DE MONTREAL—J. E. Luman et J. T. Gardham, inspecteurs.

Name of Vessel—Official No.—Port of Registry. Noms de navires—Noms officiels—Port d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matériau de la coque.	Class of Vessel. Catégories des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate Issued—Expires. Certificat : Délivrance—Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
Derrick No. 1..... 13309 Montreal, P.Q.	197	1899 Wood Montreal, P.Q.	Floating derrick	Montreal, P.Q. 20-9-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal, P.Q.
Derrick No. 3..... 13300 Montreal, P.Q.	196	1900 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 20-4-17	Not issued	Montreal harbour.	Harbour Commissioners, Montreal
Derrick No. 4..... 13301 Montreal, P.Q.	197	1892 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 20-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Derrick No. 5..... 13302 Montreal, P.Q.	195	1892 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 8-5-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Derrick No. 6..... 13303 Montreal, P.Q.	169	1892 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 20-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Derrick No. 7..... 13304 Montreal, P.Q.	288	1914 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 19-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Derrick No. 8..... 13488 Montreal, P.Q.	282	1915 Wood Montreal, P.Q.	Derrick	Montreal, P.Q. 19-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal, P.Q.
Grain Elevator No. 15..... 13043 Montreal, P.Q.	205 125	1899 Steel. Montreal, P.Q.	Grain elevator.	Montreal, P.Q. 21-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Grain Elevator No. 16..... 13044 Montreal, P.Q.	205 125	1899 Steel. Montreal, P.Q.	Grain elevator.	Montreal, P.Q. 21-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Grain Elevator No. 17..... 13045 Montreal, P.Q.	210 129	1904 Steel. Montreal, P.Q.	Grain elevator.	Montreal, P.Q. 21-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.
Grain Elevator No. 18..... 13046 Montreal, P.Q.	210 129	1904 Steel. Montreal, P.Q.	Grain elevator.	Montreal, P.Q. 21-4-17	Not issued.	Montreal harbour.	Harbour Commissioners, Montreal.

SESSIONAL PAPER No. 23

EASTERN ONTARIO DIVISION—T. P. Thompson, Inspector.

DIVISION DE L'ONTARIO-EST—T. P. Thompson, inspecteur.

Alfred 111937 Lindsay, Ont.	89	1895 Wood, 61 Kirkfield, Ont.	Dipper dredge	Frankford, Ont. 29-5-17	31-5-17 29-5-18	Trent Valley canal	Brown & Aylmer, Campbellford, Ont.
Fenelon 126728 Peterboro, Ont.	146	1903 Wood, 146 Peterboro, Ont.	Dipper dredge	Robertson island Ont. 17-7-16	10-8-17 10-7-18	Trent canal	Minister of Railways and Canals, Ottawa.
Auburn 131181 Peterboro, Ont.	190	1912 Wood, 190 Peterboro, Ont.	Clamshell dredge	Yankee Bonnets 3-8-17	10-8-17 10-7-18	Trent canal	Minister of Railways and Canals, Ottawa, Ont.
F. A. R. No. 1 131188 Peterboro, Ont.	63	1914 Wood, 63 Glen Ross, Ont.	Dipper dredge	Heazel's island, Ont. 8-9-17	14-9-17 5-7-18	Trent canal	Robertson & Maloney, Cornwall, Ont.
F. A. R. No. 2 131189 Peterboro, Ont.	15	1914 Wood, 15 Glen Ross, Ont.	Drill scow	Heazel's island, Ont. 7-9-17	17-9-17 5-7-18	Trent canal	Robertson & Maloney, Cornwall, Ont.
Islander 121845 Toronto, Ont.	242	1905 Wood, 242 Toronto, Ont.	Clamshell dredge	Bradley's Bay, Ont. 5-9-17	14-9-17 4-7-18	Trent canal	John E. Russell, Toronto, Ont.
Jack Canuck No. 3 129652 Midland, Ont.	174	1909 Wood, 113 Midland, Ont.	Dipper dredge	Healey's Falls, 4-9-17	14-9-17 4-7-18	Trent canal	Jennings & Ross, Toronto, Ont.
Trenton 126125 Kingston, Ont.	288 251	1908 Wood, 251 Trenton, Ont.	Dipper dredge	Trenton, Ont. 2-5-17	12-5-17 2-5-18	Bay of Quinte	R. Waddell, Trenton, Ont.

WESTERN ONTARIO DIVISION—John Dodds, G. M. Arnold and J. B. Stewart, Inspectors.

DIVISION DE L'ONTARIO-OUEST—John Dodds, G. M. Arnold, et J. B. Stewart, inspecteurs.

Continental 134388 Sault Ste. Marie, Ont.	238 204	Wood, Cleveland, Ohio	Dredge	Sault Ste. Marie, Ont. 29-8-17	Not issued	St. Mary's river	Algoma Dredging Co., Sault Ste. Marie, Ont.
--	------------	--------------------------	--------	-----------------------------------	------------	------------------	--

TABLE II Continued.—TABLEAU II—Suite.
WESTERN ONTARIO DIVISION John Dodds, G. M. Arnold and J. B. Stewart, Inspectors.
DIVISION DE L'ONTARIO-OUEST—John Dodds, G. M. Arnold et J. B. Stewart, inspecteurs.

Name of Vessel—Official No. Port of Registry. Noms des navires—Nombres officiels—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Nature de la coque.	Class of Vessel. Catégories des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate Issued—Expires. Certificat; Déchéance—Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
Toronto Harb'r Com, Dredge No. 1, 107369 Toronto, Ont.	253 18	1896 Wood, Toronto, Ont. 1910 Rebuilt.	Suction dredge.	Toronto, Ont., 29-3-17		Toronto bay.	Toronto Harbour Commissioners, Toronto, Ont.
Dominion No. 4..... 123432 St. John, N.B.	538	1906 Wood, Toronto, Ont.	Dipper dredge	Port Weller, Ont., 29-8-16		Welland canal	Dominion Dredging Co., Ottawa, Ont.
Dragon Rouge..... 123975 Toronto, Ont.	231 209	1908 Wood, Toronto, Ont.	Dipper dredge	Toronto, Ont., 26-6-17	28-6-17 26-6-18	Toronto Harbour.	John E. Russell, Toronto.
Edwards Bros. No. 2..... 122339 Sault Ste. Marie, Ont.	257 237	1896 Wood, Bay City, Mich.	Dredge.	Sault Ste. Marie, Ont. 28-8-17	4-9-17 28-8-17	St. Mary's river.	Sea Dredging and Towing Co., S.S.S., Marie, Ont.
Excelsior..... 116836 Owen Sound, Ont.	171 372	1905 Steel, Welland, Ont.	Dredge.	Midland, Ont. 25-5-17	28-5-17 25-5-18	Port Arthur, Ont. Harbour.	Northwestern Dredge Co., Ltd., Owen Sound, Ont.
Goderieh..... 122912 Goderieh, Ont.	258 258	1911 Wood, Goderieh, Ont.	Dredge.	Goderieh, Ont., 29-9-16		Goderieh harbour.	Marlton & Norton, Goderieh, Ont.
Dredge Hackett..... 107193 Saugeen, Ont.	95 50	1900 Wood, Saugeen, Ont.	Dipper dredge.	Sturgeon Bay, Ont., 22-9-16			
Dredge No. 8..... 116684 Port Arthur, Ont.	415 415	1911 Wood, Port Arthur.	Dipper dredge	Port Colborne, Ont. 8-8-17	10-8-17 8-10-18	Sturgeon Point and Penetang.	Penetang Dredging Co., Penetang, Ont.
Dredge I. S. No. 3..... 126862 Sault Ste. Marie, Ont.	383 383	1895 Wood, Duluth, Ont.	Dredge.	Sault Ste. Marie, Ont., 26-8-17	4-9-17 28-8-18	Sault Ste. Marie, Ont.	Great Lakes Dredging Co., Port Arthur, Ont.
Dredge I. S. No. 8..... 130771 Sault Ste. Marie, Ont.	583 383	1895 Wood, Duluth, Ont.	Dredge.	Sault Ste. Marie, Ont. 21-10-17	3-11-17 21-10-18	St. Marys river	S. L. Penbound, Sault Ste. Marie, Ont.
Dredge I. S. No. 31..... 134177 Sault Ste. Marie, Ont.	377 377	1876 Wood Cleveland, Ohio	Dredge.	Sault Ste. Marie, Ont. 28-8-17	4-9-17 28-8-18	Sault Ste. Marie	S. L. Penbound, Sault Ste. Marie, Ont.
Dredge P. W. D. No. 109..... 131223 Ottawa, Ont.	766 766	1905 Wood, Duluth, Ont.	Dredge.	Collingwood, Ont., 8-5-17	18-5-17 8-5-18	Georgian Bay.	Master P. W., Ottawa.
Dredge P. W. D. No. 117..... 112186 Toronto, Ont.	670 570	Compassite, 1902 Polson's Toronto 1909	Dipper dredge	Port Barwell, Ont.,	5-5-17	Port Barwell harbour	Public Works Department, Ottawa.
Isabel..... 112653 St. Catharines, Ont.	507 446	1903 Steel, Welland, Ont.	Dipper dredge	Port Colborne, Ont., 12-4-17	28-4-17 12-4-18	Port Stanley harbour	M. J. Hogan, Port Colborne, Ont.

SESSIONAL PAPER No. 23

J. W. Henessey 137891 Toronto, Ont.	Suction dredge	Hamilton, Ont. 6-11-16	Hamilton harbour	Ottawa Contractors, Ltd., Ottawa, Ont.
Leland 619 U.S. 470 Welland, Ont.	Clamshell dredge	Port Robinson, Ont. 25-10-16	Welland canal	Canadian Dredging Co., Midland, Ont.
McLennan No. 3 134380 S. Ste. Marie	Dredge	Sault Ste. Marie, Ont. 11-5-17	St. Marys river	A. B. McLean, Sault Ste. Marie, Ont.
Mensetung 122614 Goderich, Ont.	Dredge	Goderich, Ont. 29-9-16	Goderich harbour	W. Martin and W. L. Norton, God- erich, Ont.
Monarch 116668 Midland, Ont.	Dipper dredge	Port Robinson, Ont. 24-10-16	Welland canal	Canadian Dredging Co., Midland, Ont.
Primrose 134269 Midland, Ont.	Suction dredge	Port Robinson, Ont. 2-5-16	Welland canal	Canadian Dredging Co., Midland, Ont.
The Sydenham 126052 Owen Sound, Ont.	Dipper dredge	Port Robinson, Ont. 23-10-16	Welland canal	Canadian Dredging Co., Midland, Ont.
Peltier 129192 Windsor, Ont.	Dipper dredge	Port Dalhousie 2-5-16	Hamilton harbour	The Windsor Dredging Co., Windsor, Ont.
Shanah 126671 Port Arthur, Ont.	Suction dredge	Welland, Ont. 9-8-17	Port Maitland	The Great Lakes Dredging Co., Ltd., Port Arthur, Ont.
Sincoe 116269 Toronto, Ont.	Dipper dredge	Washago, Ont. 10-10-16	Trent canal Washago division	Randolph McDonald Co., Toronto, Ont.
Tellie Battle 130256 St. Catharines, Ont.	Sand sucker	Thorold, Ont. 12-5-16	Port Maitland and Tho- rold	The Canadian Sand & Gravel Co., Ltd., Thorold, Ont.

TABLE II—Continued.—TABLEAU II—Suite.

PORT ARTHUR DIVISION—W. J. Vigers, Inspector.

DIVISION DE PORT-ARTHUR—W. J. Vigers, inspecteur.

Name of Vessel—Official No. of Registry. Noms des navires—Ports d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction. Matériau de la coque.	Class of Vessel. Catégories des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate Issued—Expires. Certificat: Délivrance—Expiration.	Localities Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
Dominion 11083 Port Arthur, Ont.	595	1906 Wood Port Arthur, Ont.	Dredge.	Port William, Ont. 9-5-17	10-5-17 9-5-18	Kaministiquia river.....	Great Lakes Dredging Co., Port Arthur.
Empire 116571 Port Arthur, Ont.	413	1902 Wood Port William, Ont.	Derrick scow.	Port Arthur. 25-6-17	29-6-17 25-6-18	Lake Superior.....	Canadian Towing & Wrecking Co., Port Arthur, Ont.
Province 130818 Port Arthur, Ont.	580	1911 Wood Port Arthur.	Derrick Scow.	Port William, Ont. 21-7-17	31-7-17 21-7-17	Lake Superior, Class V	Canadian Towing & Wrecking Co., Port Arthur, Ont.
Robert L. Fryer 134019 Port Arthur, Ont.	2,033 1,158	1888 Wood. West Bay City, Mich.	Grain transfer.	Port Arthur, Ont. 7-5-17	Not issued.	Port William and Port Arthur.	J. L. Davidson, Vancouver, B.C.
No. 201 Winnipeg.	412 273	1909 Wood. Selkirk	Suction dredge.	Selkirk 17-5-17	28-5-17 17-5-17	Red river.	Public Works Department, Ottawa.
No. 202 Winnipeg.	233 253	1911 Wood. Selkirk.	Dipper Dredge.	Selkirk 19-5-17	28-5-17 19-5-18	Red river.	Public Works Department, Ottawa.
No. 201 Winnipeg.	233 253	1911 Wood. Selkirk.	Dipper dredge	Selkirk 19-5-17	28-5-17 19-5-17	Red river.	Public Works Department, Ottawa.
No. 205 Winnipeg.	245 245	1910 Wood. Selkirk.	Dipper dredge	Selkirk 17-5-17	28-5-17 19-5-17	Red river.	Public Works Department, Ottawa.
Dredge No. 6. 112010 Port Arthur, Ont.	209	1891 Wood. Duluth, Minn.	Dredge.	Port William. 3-5-17	10-5-17 3-5-18	Kaministiquia river.....	Great Lakes Dredging Co., Port Arthur.

BRITISH COLUMBIA, VANCOUVER DIVISION—H. G. Robinson and A. E. Hopper, Inspectors.

COLOMBIE ANGLAISE, DIVISION DE VANCOUVER—H. G. Robinson et A. E. Hopper, inspecteurs.

Barnston. 126791 New Westminster, B.C.	52	1910 Wood. New Westminster, B.C.	Dredge.	New Westminster, B.C. 28-5-17	29-5-17 27-5-18	Fraser river.....	Richmond, B.C. Corporation.
Cogitlam City. 134081 New Westminster, B.C.	933 922	1914 Port Coquitlam.	Barge.	Vancouver, B.C. 15-11-17	15-11-17 14-11-18	Vancouver and Anyox.....	Coquitlam Ship & Marine Railway New Westminster, B.C.
Mastodon. 129529 Vancouver, B.C.	748	1910 Steel. Renfrew, Scot.	Dredge.	Vancouver, B.C. 22-2-18	23-2-18 8-2-19	Vancouver harbour.....	Minister of Public Works, Ottawa.
Melanose. 74350 Vancouver, B.C.	1,624 1,561	1876 Steel Liverpool, G.B.	Coal barge.	Vancouver, B.C. 18-3-18	28-3-18 17-3-19	Vancouver & Lady- smith.	C. P. Railway, Montreal, P.Q.
Pacific Coast Cable Co. No. 1. 134069, Vancouver, B.C.	137 137	1909 Wood. New Westminster, B.C.	Cable barge.	Vancouver, B.C. 10-5-17	11-5-17 9-5-18	Vancouver harbour.....	British Columbia Telephone Co., Ltd., Vancouver, B.C.
P. S. B. and B. C. Dredge No. 1. 131033 Vancouver, B.C.	484 484	Wood Seattle, U.S.A.	Dredge.	Vancouver, B.C. 3-7-17	9-7-17 24-6-18	Vancouver harbour.....	West Coast Bridge & Dredging Co., Vancouver, B.C.
P. W. D. Dredge No. 303. (Not registered.)		1907 Steel. Dantzic.	Suction dredge.	Vancouver. 13-12-17	Not issued....	Fraser river Sand Heads	Public Works Dept., Ottawa.
Robson. 130874 Vancouver, B.C.	461 461	1901 Wood. Portland, Me.	Dredge.	Vancouver, B.C. 2-1-17	3-1-17 12-12-17	Harbour dredging.....	Pacific Dredging Co., Ltd., Van- couver.
Transfer No. 1. 107143 Vancouver, B.C.	772 772	1898 Wood Vancouver, B.C.	Tow barge.	Vancouver, B.C. 17-8-17	18-8-17 16-8-18	Vancouver and Lady- smith.	Canadian Pacific Railway Co., Vancouver, B.C.
Transfer No. 4. 134081 Victoria, B.C.	1,042 895	1913 Steel. Esquimaht, B.C.	Car ferry.	Vancouver, B.C. 21-2-18	22-2-18 1-2-19	Vancouver & Nanoose bay.	Can. Pac. Railway Co., Montreal, P.Q.
C. P. E. No. 100. 134348 Montreal, P.Q.	1,383 1,273	1868 Wood Farmingdale, Me.	Barge.	Vancouver, B.C. 19-4-17	23-4-17 18-4-18	Vancouver and Lady- smith.	Can. Pac. Railway Co., Montreal, P.Q.
P. D. C. No. 3. 130863 New Westminster	119	1908 Wood New Westminster, B.C.	Dredge.	Vancouver, B.C. 25-9-17	28-9-17 24-9-18	Fraser river.....	J. W. Pike, New Westminster, B.C.
P. D. Co. No. 4 (Ex Tacoma). 138170 Vancouver, B.C.	515 515	1904 Wood. Seattle, Wash.	Dredge.	Vancouver, B.C. 18-7-17	20-7-17 5-7-18	Vancouver harbour.....	Stuart Cameron, Vancouver, B.C.
Sidney No. 2. 129179 New Westminster.	378 378	1908 Wood. Seattle, Wash.	Tow barge.	New Westminster. 29-10-17	31-10-17 28-10-18	New Westminster and Sidney, Vancouver	Vancouver, Victoria & Eastern Ry. & Nav. Co., Vancouver, B.C.
Sidney No. 3. 138128 New Westminster.	656 652	1913 Wood. Seattle, Wash.	Car ferry.	New Westminster, B.C. 9-10-17	10-10-17 27-9-18	New Westminster and Sidney, Vancouver	Vancouver, Victoria & Eastern Railway & Nav. Co., Vancouver, B.C.
Stookam L. 125223 Vancouver, B.C.	129 88	1904 Wood. Vancouver, B.C.	Dredge.	Vancouver, B.C. 16-4-17	23-4-17 1-4-18	Vancouver harbour	Vancouver Dredging & Salvage Co. Vancouver, B.C.

TABLE II—VANCOUVER DIVISION.—*Concluded.*
 BRITISH COLUMBIA, VANCOUVER DIVISION—H. G. Robinson and A. E. Hopper, Inspectors.
 COLOMBIE ANGLAISE, DIVISION DE VANCOUVER—H. G. Robinson, et A. E. Hopper, inspecteurs.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Números oficiales—Port d'enregistrement.	Tonnage.	Where and When Built—Material. Année et lieu de construction—Matière de la coque.	Class of Vessel. Catégorie des navires.	Port and Date of Inspection. Ports et dates d'inspection.	Certificate: Issued—Expires. Certificat: Délivré—Expiration.	Where employed. Localités où employés.	Name and Address of Owners. Noms et adresses des propriétaires.
Kookum No. 2. 131030 Vancouver, B.C.	217 148	1912 Wood. Vancouver, B.C.	Dredge.	Vancouver, B.C. 8-8-17	18-8-17 7-8-18	Vancouver Harbour.	Vancouver Dredging & Salvage Co., Vancouver, B.C.
Transfer No. 2. 122381 Victoria, B.C.	1,000 973	1907 Wood. Victoria, B.C.	Car ferry.	Vancouver, B.C. 27-3-18	27-3-18 26-2-19	Vancouver & Nanooks Bay.	Can. Pac. Railway Co., Montreal, P.Q.
Transfer No. 3. 130606 Victoria, B.C.	977 927	1911 Steel. Esquimalt, B.C.	Car ferry.	Vancouver, B.C. 19-2-18	20-2-18 4-1-19	Vancouver & Nanooks Bay, Class IV.	Canadian Pacific Railway, Montreal.

BRITISH COLUMBIA, VICTORIA DIVISION—W. J. Cullum and B. Mantrop, Inspectors.
 COLOMBIE-ANGLAISE, DIVISION DE VICTORIA—W. J. Cullum et B. Mantrop, inspecteurs.

Mudlark. 100351 Victoria, B.C.	203 138	1890 Wood. Victoria, B.C.	Dipper dredge.	Victoria, B.C. 24-1-18	24-1-18 23-1-19	Harbour.	Public Works Dept., Ottawa, Ont.
W. D. Dredge No. 301. 130896 Victoria, B.C.	738 538	1908 Steel. New Westminster.	Dipper dredge.	Victoria, B.C. 25-10-17	20-10-17 24-10-18	Harbour.	Public Works Dept., Ottawa.
Lohnitz Rock Breaker No. 2. 137360 Vancouver, B.C.	631 512	Steel. Renfrew, G.B. 1914 Vancouver.	Rock breaker.	Victoria, B.C. 6-6-17	12-6-17 6-6-18		Public Works Department, Ottawa.

PRINCE RUPERT DIVISION—A. Farrow, Inspector.
 DIVISION DE PRINCE RUPERT—A. Farrow, inspecteur.

C. F. & C. S. No. 2.			Dredge.	Prince Rupert, B.C. 21-12-17	Not issued.		Canadian Fish & Cold Storage Co., Prince Rupert, B.C.
John C. Potter 133889 Vancouver, B.C.	1,244 1,145	1869 Wood. Searsport, U.S.A.	Barge.	Anox, B.C. 15-3-18	22-3-18 14-3-19	B. C. Coast.	(Granby Consolidated M. S. & P. Co., Grand Forks.

SESSIONAL PAPER No. 23

TABLE III.—Passenger Barges (towed) inspected during the Fiscal Year ended March 31, 1918,
 TABLEAU III.—Barges (en remorque) pour passagers, inspectées durant l'année fiscale terminée le 31 mars 1918.

Name of Vessel—Official No.—Port of Registry. Noms des navires—Numéros officiels—Ports d'enregistrement.	Tonnage.	Where and when Built—Material— Année et lieu de construction— Nature de la coque.	Port and Date of Inspection. Ports et dates d'inspection.	Pass. Pass.	Certificate: Issued— Expire. Certificat: Défrance— Expiration.	Route	Name and Address of Owners. Noms et adresses des propriétaires
A. M. XVIII. 138333 Vancouver, B.C.	56 56	1915 Wood Vancouver, B.C.	Elburn, B.C. 27-7-17	Freight 924	31-7-17 30-9-17	Fraser River at Elburn.	Armstrong and Morrison, Vancouver, B.C.
Chilhow 121842 Toronto, Ont.	79 79	1903 Wood. Blind River, Ont.	Blind River, Ont. 17-9-16	25	27-7-17 27-7-18	Blind River.	Blind River Transportation Co., Blind River, Ont.
G. T. D. 97096	343 285	1890 Wood. Bridgewater, N.S.	Quebec, P.Q. 11-5-16	40	6-6-17 6-6-18	Montreal and gulf	The Quebec Salvage & Wrecking Co., Montreal, P.Q.
Rainbow No. 2. 134633 Victoria, B.C.	61 61	1915 Wood. N. Vancouver, B.C.	Nanaimo, B.C. 9-3-17	290	9-3-18 8-3-19	Nanaimo harbour.	Western Trans. Co., Ltd., Nanaimo, B.C.
Vivian C. (Not registered.)		1913 Wood. Oronometo, N.B.	Fredericton, N.B. 9-10-16		5-6-17 4-6-18	Oronometo to Fredericton.	Martin Carrier, Oronometo, N.B.

TABLE IV.—Vessels not inspected during the Fiscal Year ended March 31, 1918.

TABLEAU IV.—Navires non-inspectés durant l'exercice financier terminé le 21 mars 1918.

Name of Vessel. Noms des navires.	Tonnage. Gross- Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection Motif de la non-inspection.
A. Chambers	23	Ser. Fish. Tug	Toronto	No application.
A. D. Cross	47	Ser. Tug	Toronto	Not running.
Aberdeen	554.04	Stn. Whl. Frt. and Pass.	Victoria	Laid up.
Acadia	74.21	Ser. Tug	St. John	Laid up.
Active	174.74	Ser. Tug	Vancouver	Inspected since March 31, 1918.
Actress	12	Ser. Tug	Port Arthur	Not running.
Adam Hall	144.61	Tw. Ser. Tug	Victoria	Laid up.
Adji	17	Ser. Yacht	Toronto	No application.
Agnes P	32	Ser. Tug	Montreal	No application.
Agwinde	307	Pd. Pass	Port Arthur	Not running.
Alace	67	Ser. Tug	Toronto	Not running.
Allan Sewell	11.59	Ser. Tug	St. John	Laid up.
Albatross	18.55	Ser. Customs. Service	St. John	Laid up.
Alice Maud	45	Ser. Tug. Hbr	Halifax	Laid up.
Alexandra	417	Pd. Tug	Montreal	Not in commission.
Aletha	171	Ser. Pass	Kingston	No application.
Allans No 1	280	Steam Derrick	Montreal	No application.
Albert C.	17	Ser. Tug	Montreal	No application.
Algoma	69	Ser. Tug	Port Arthur	Not in commission.
Alert	28	Ser. Tug	Port Arthur	Not running.
Alporto	24	Ser. Frt	Toronto	No application.
Alva B.	53	Ser. Fish. Tug	Toronto	Not running.
Amable Dufond	17	Pd. Tug	Montreal	Not in commission.
Anchora	6	Ser. Yacht	Toronto	Not running.
Andover	175.5	Stn. Whl. Frt. and Pass.	Victoria	Laid up.
Andy	13.03	Tw. Ser. Frt. and Pass.	Victoria	Laid up.
Ananoose	68.07	Ser. Tug	Victoria	Laid up.
Animay	15	Ser. Tug	Toronto	Not running.
Annie Barrett	42	Ser. Tug	Montreal	No application.
Annie Currier	10.56	Ser. Tug	St. John	Laid up.
Anita	27	Ser. Fishing Coasting	Halifax	Inspection not applied for.
Arabian	73	Ser. Frt	Kingston	No application.
Argo	20	Ser. Tug	Port Arthur	Broken up.
Arrah Wanna	21	Ser. Tug	Kingston	Not in commission.
Andrew C.	87	Ser. Tug	Toronto	No application.
Beaver	514	Dredge	St. John	Laid up.
Beaver	29	Ser. Tug	Toronto	No application.
Beaumont	58	Ser. Tug	Toronto	Not running.
Bedeque	50.15	Ser. Ferry	St. John	Out of district.
Bella Donna	57	Ser. Pass	Toronto	Not running.
Belle of Tenagami	169	Ser. Pass	Kingston	Not in commission.
Belle of Temagami	169	Ser. Pass	Montreal	Not in commission.
Belleville	1,233.30	Ser. Tug	Quebec	No application.
Bella Vista	8	Ser. Tug	Toronto	No application.
Bermuda	72.03	Ser. Tug	Vancouver	Not in commission.
Bertha May	20	Ser. Tug	Toronto	No application.
Bethalma	113	Ser. Yacht	Toronto	Not running.
Bickendike	1,515	Ser. Frt	Kingston	No application.
Blanche		Ser. Tug	Montreal	Not in commission.
Black Fox	10.36	Tw. Ser. Pass. Gas	Edmonton	Inspection not applied for. Laid up.
Blue Bell	12	Ser. Yacht	Kingston	Not in commission.
Bobs	38	Ser. Pass. Frt	Montreal	Not in commission.
Bonnitoba	138	Pd. Pass	Port Arthur	Not running.
Borrioboola Cha	96	Ser. Tug	St. John	Laid up.
Boucherville	419	Pd. Pass	Montreal	Changed district.
Bradbury	476	Tw. Ser. Fish. Pat	Port Arthur	No application.
Brant	49	Ser. Tug	Toronto	Not running.
Brockville	191	Ser. Pass	Kingston	No application.
Brunette	37.03	Ser. Tug	Vancouver	No application.
Brunswick	1,184	Ser. Frt	St. John	Inspected elsewhere.
Brusier	507.69	Dredge	St. John	Laid up.
Byron Whitaker Now Marian W	1,538.47	Ser. Frt	Quebec	No application.
C. M. Winch	88	Ser. Tug	St. John	Registered in Nd.
C. R. Lamb	191.98	Stn. Whl. Frt. and Pass.	Victoria	Laid up.
C. S. Parnell	16.90	Ser. Tug	Quebec	Not in commission.
Canada	411	Tw. Ser	Halifax	Naval Service
Calbreco	236	Dredge	Halifax	Laid up.
Callereeks Pride	20.69	Ser. Tug	Vancouver	No application.
Calypso	15	Ser. Pass	Kingston	No application.
Calumet Island	18	Stn. Ferry Whl	Montreal	No application.
Canso	225	Ser. Tug Coasting	Halifax	Out of district.
Cara	24	Ser. Yacht	Toronto	No application.
Caraboo	29	Tw. Ser. Frt. Pass.	Edmonton	Inspection not applied for. Laid up.

SESSIONAL PAPER No. 23

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Cascapedia	1,849	Ser. Pass	Quebec	Out of district.
Caspian	957	Pd. Pass	Kingston	Not in commission.
Cecilia S.	71	Ser. Pass	Kingston	No application.
Chas. Armstrong	49	Ser. Tug	Toronto	Not running.
Charles Boom	529	Dredge	Toronto	Not running.
Charley M. Scott	17	Ser. Tug	St. John	Laid up.
Chas. H. Shaw	1,489	Car Ferry	Quebec	No application.
Chester	80	Ser. Tug	Halifax	Inspection not applied for.
Chicora	930	Pd. Pass	Toronto	Not running.
Chummy	28	Ser. Tug	Montreal	Not in commission.
City of St. Boniface	314	Pd. Tug	Port Arthur	Not running.
City of Chatham	362	Ser. Pass	Toronto	Not running.
City of Dresden		Ser. Frt	Toronto	No application. Register not completed.
City of London	555.77	Ser. Frt	Quebec	Not in commission.
Clarg	88	Ser. Lighter	St. John	Laid up.
Cleopatra	104	Ser. Yacht	Toronto	Not running.
Clipper	53	Ser. Tug	Port Arthur	No application.
Clymene	10	Ser. Yacht	St. John	Laid up.
Collector	52	Ser. Lighter	Halifax	Inspection not applied for.
Colonial	47	Ser. Tug. Pass	Montreal	Not in commission.
Comet	20	Ser. Tug	Toronto	Not running.
Commodore Holliwel	10	Ser. Tug	Quebec	Not in commission.
Compton	1,530.28	Ser. Frt	Quebec	No application.
Concrete Mixer No. 1	308		Montreal	Not in commission.
Constance	52	Ser. Frt	Toronto	No application.
Contrecoeur	173	Twn. Ser. Tug	Sorel	No application.
Cora	23	Ser. Tug	Kingston	Not in commission.
Corinne	23	Ser. Tug	Sorel	Laid up. No application.
Corunna	1,269	Ser. Pass	St. John	Certificate not applied for.
Copoming	18	Ser. Tug	Toronto	Not running.
Courier	13	Ser. Tug	Montreal	Not in commission.
Crescent	41	Ser. Yacht	Montreal	Not in commission.
Crestler	19.37	Ser. Pass. Tug	Edmonton	Inspection not applied for.
Cyclone	1,207	Dredge	Toronto	Laid up.
Cynthia W.	676.79	Ser. Dredge	St. John	Inspected since March 31.
D.G. No. 3	181.65	Dredge	Vancouver	Inspected elsewhere.
Dredge No. 1	153	Ser. Dredge	Halifax	Not in commission.
Dredge No. 2	164	Dredge	Halifax	Inspection not applied for.
Dredge No. 2		Dipper Dredge	Montreal	Not in commission.
Dredge No. 15	327	Dipper Dredge	Port Arthur	Not running.
Dredge No. 8	415	Dipper Dredge	Port Arthur	Not running.
Dredge No. 1	176	Dipper Dredge	Port Arthur	Not running.
Dredge No. 210	109	Dipper Dredge	Port Arthur	Not running.
Dredge No. 203	123	Dipper Dredge	Port Arthur	Not running.
Dredge No. 118		Dipper Dredge	Montreal	Not in commission.
Dredge No. 110	458	Dipper Dredge	Montreal	Changed district.
Dredge No. 121	115	Dipper Dredge	Montreal	Not in commission.
Dredge No. 106.	100	Dipper Dredge	Montreal	Changed district.
Dredge No. 119		Dipper Dredge	Montreal	Not in commission.
Dredge No. 112		Dipper Dredge	Montreal	Not in commission.
Dredge No. 8.	151	Dredge	Toronto	No application.
Dredge No. 10.	434	Dredge	Toronto	Not running.
Dredge No. 5.	234	Dredge	Toronto	Not running.
Dredge Deschenes		Dipper Dredge	Montreal	No application.
Dredge Ella M.	420	Dipper Dredge	Montreal	No application.
Dredge Frank	185	Dipper Dredge	Port Arthur	Not running.
Dredge Hackett	96	Ser. Dredge	Toronto	Not running.
Dredge Julia Murphy	108	Dredge	Toronto	Not running.
Dredge Moose	233	Dipper Dredge	Port Arthur	Not running.
Dredge Ottawa	220	Dipper Dredge	Montreal	No application.
Dredge St. Pierre	180	Dipper Dredge	Montreal	No application.
Dredge Tay		Dipper Dredge	Montreal	No application.
Dredge Wingfield	191	Dredge	Toronto	Not running.
Daisy	15	Ser. Tug	Montreal	Not in commission.
Daisy	58	Ser. Tug	Port Arthur	Not running.
Daisy Moor	38	Ser. Tug	Port Arthur	Not running.
Dandy	77	Ser. Tug	Montreal	Changed district.
Dauntless	23	Ser. Fish. Tug	Toronto	Not running.
Davis-McNab	54	Ser. Bass. Gas	Halifax	Laid up.
Deiver	396	Dredge	Toronto	Not running.
Denisa	38	Ser. Tug	Quebec	No application.
Denisa S.	54	Ser. Tug	Montreal	No application.
Derrick No. 2		Steam Derrick	Montreal	Not in commission.
Dickson	16	Pd. Alligator	Kingston	Not in commission.
Distributor	617.42	Str. Whl. Frt. and Pass	Victoria	Laid up.
Dolphin	70	Ser. Tug	Montreal	Not in commission.
Dominion No. 4	538	Dredge	Toronto	Not running.
Don	11.85	Ser. Yacht	Victoria	No application.
Donnelly	319	Pd. Tug	Kingston	Not in commission.

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Don Federico	481	Ser. Dredge	St. John	Laid up.
Dora	48	Ser. Tug	Montreal	Not in commission.
Dora M	24-02	Ser. Tug	St. John	Laid up.
Dorothe	8	Ser. Tug	Toronto	No application.
Dorothy Symons	10-32	Ser. Tug	Victoria	Laid up.
Drill Boat Burrard	426-26	Rock Drill	Vancouver	Not in commission.
E. A. Shores	595	Ser. Frt	Toronto	Not running.
Ed. Conroy	11	Ser. Tug	Toronto	No application.
E. E. Frost	13	Ser. Tug	Kingston	Not in commission.
Eagle	12	Ser. Tug	Port Arthur	Not running.
Edith	22	Ser. Yacht	St. John	Laid up.
Edith Ann	11	Ser. Yacht	Toronto	No application.
Edward Blake	22	Ser. Tug	Toronto	Not running.
Elaine	272-08	Ser. Pass.	St. John	Inspected elsewhere.
Ella C.	10	Ser. Fish. Boat	Kingston	Not in commission.
Ella	15	Ser. Tug	Toronto	Not running.
Elgin L. Lewis	50	Ser. Pass.	Kingston	No application. Not in commission.
Ella May	41	Ser. Yacht	Toronto	Not running.
Elsie Bell	33	Ser. Tug	Port Arthur	Not running.
Elsie M.	28	Ser. Tug	Toronto	No application.
Elsie Mac.	55	Ser. Tug	Toronto	No application.
Ellwood	7-04	Ser. Yacht	Victoria	Laid up.
Elymer.	12-47	Ser. Frt. and Pass. Gas	Edmonton	Inspection not applied for.
Emma Mac	57	Ser. Pass.	Kingston	Laid up. No application. Not in commission.
Empress	129	Tw. Ser. Tug	Port Arthur	Not running.
Enterprise	210	Ser. Pass.	St. John	Out of district.
Equal Rights	14	Ser. Tug	Toronto	Not running.
Ernest	7	Ser. Tug	Montreal	Not in commission.
Espanola	7	Ser. Tug	Toronto	Not running.
Ehtel	13	Ser. Tug	Toronto	Not running.
Ehtel Banning	38	Ser. Tug	Port Arthur	Not in commission.
Eva.	18	Ser. Tug	St. John	Laid up.
Evangeline	13-86	Ser. Tug.	Vancouver.	Inspected since March 31, 1918.
Evelyn	14	Tug Coasting	Halifax	Inspection not applied for.
F. W. Avery.	14	Pill. Warp Tug	Montreal	Not in commission.
Fairfax	1,365	Ser. Frt	Kingston	No application.
Fallon Bros. No. 5	271	Dredge	Kingston	Not in commission.
Fallons Dredge No. 3	108	Dredge	Kingston	Not in commission.
Falmouth.	43	Ser. Tug.	St. John	Laid up.
Fashion	43	Ser. Tug	Montreal	Not in commission.
Fenelon Falls Gull	Not regd.	Pd. all. Tug	Kingston	Not in commission.
Ferdinand	76-39	Ser. Pass. and Frt	Quebec	Not in commission.
Fisherman	44	Ser. Tug.	Port Arthur.	Not running.
Five Roses	43	Ser. Tug	Port Arthur	No application.
Florence	18	Ser. Pass. Frt	Montreal	Not in commission.
Florence	7	Ser. Fish. Tug	Kingston	Not in commission.
Florence Carlin	143-15	Str. Whil. Tug	Victoria	Laid up.
Foam	15-51	Ser. Tug	Quebec	Not in commission.
Forest B	88	Ser. Tug	Port Arthur	Not in commission.
Frances W	43	Ser. Tug	Toronto	Not running.
Frank L.	46	Ser. Fish. Tug	Toronto	No application.
Frank Warren	29	Drill Boat	Kingston	Not in commission.
Fred M. Batt	59-9	Ser. Tug	St. John	Laid up.
Frontier	700	Pill. Pass.	Toronto	Not running.
Fundy	732	Dredge	Toronto	Not running.
G. H. Johnston	56	Dipper Dredge	Montreal	Not in commission.
G. P. McIntosh	58	Ser. Tug	Port Arthur	Not in commission.
G. S. Mayes	109-59	Ser. Tug	St. John	Out of district.
G. Whiz	55	Tw. Ser. Pass.	Toronto	Not running.
Galatea	46	Ser. Tug	Port Arthur	No application.
Galiano	393	Ser	Victoria	Naval Service. No application.
Garden City	637	Pd. Pass.	Toronto	Not running.
Gaudiose	5	Ser. Tug	Quebec	No application.
Gem	34	Ser. Pass.	Toronto	No application.
General Meade	244	Dredge	Toronto	Not running.
George A. McLaurin	17	Ser. Tug	Port Arthur	Not in commission.
George E. Young	12	Ser. Tug	Port Arthur	No application.
Geraldine	65	Ser. Tug	Toronto	No application.
Gipsy	35	Ser. Pass.	Kingston	No application.
Glad Tidings	10	Ser. Tug	Toronto	No application.
Glen Isle	142	Ser. Sand Barge	Montreal	Not in commission.
Glimpse	9	Ser. Pass.	Toronto	No application.
Goderich	259	Dredge	Toronto	Not running.
Goliah	147	Ser. Tug	Halifax	Inspection not applied for
Gooding	10	Pill. Warp Tug	Montreal	Not in commission.
Gordon S	16	Ser. Tug	Toronto	No application.

SESSIONAL PAPER No. 23

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Grain Elevator No. 9	170	Fltg. Elev.	Montreal	Not in commission.
Grain Elevator No. 14	190	Fltg. Elevator	Montreal	Not in commission.
Grace	6-06	Ser. Frt. and Pass. (Gas)	Edmonton	Inspection not applied for. Laid up.
Granet Rock	214	Ser. Tug	Port Arthur	Not running.
Gray Loggie	99-2	Ser. Dredge	St. John	Laid up.
Grebe	9	Ser. Tug	Port Arthur	No application.
Grenfell	78	Ser. Tug	Port Arthur	Not running.
Greenwood	29-95	Ser. Tug	Vancouver	To be inspected later.
Grosbeak	14	Ser. Tug	Toronto	No application.
Gulmare	262	Ser.	Halifax	Inspection not applied for. Naval Service.
H. B. Phillips	66	Ser. Tug	Toronto	Not running.
Haddington	1,603-25	Ser. Frt	Kingston	No application.
Haha	8-25		Quebec	No application.
Halero	8	Ser. Yacht	Toronto	No application.
Halero II	11	Ser. Yacht	Toronto	No application.
Hamiltonian	2,346-54	Ser. Frt	Quebec	No application.
Harvey	7	Ser. Tug	Toronto	No application.
Harry E. Packer	1,183	Ser. Tug	St. John	Out of district.
Harry A	11	Ser. Tug	Toronto	No application.
Hattie Bell	8	Ser. Tug	Kingston	Not in commission.
Hayward	121-77	Dredge	St. John	Laid up.
Hazel G.	10-3	Ser. Tug	St. John	Laid up.
Hazard	34	Ser. Tug	Toronto	Not running.
Hazel Graham	15	Ser. Tug	Montreal	Not in commission.
Helen R	11	Ser. Frt	Montreal	Not in commission.
Helen S	13	Ser. Tug	Port Arthur	Not running.
Helena	10	Ser. Yacht	Toronto	No application.
Henri R	15	Ser. Tug	Sorel	No application.
Hopburn	15	Ser. Yacht	Toronto	No application.
Herbert M.	44	Ser. Tug	Toronto	No application.
Herman Witt	17	Ser. Tug	Port Arthur	No application.
Hiawatha	27	Ser. Tug	Toronto	No application.
Highland Belle	50	Ser. Pass	Kingston	No application. Not in commission.
Highland Mary	74	Ser. Lighter	Halifax	Inspection not applied for.
Hope	21-66	Ser. Tug	Quebec	Not in commission.
Horton	66	Ser. Tug	Toronto	Not running.
Idler	51	Str. Whl. Tug	Montreal	Not in commission.
Iland	30	Ser. Tug	Port Arthur	Not running.
Ilderin	18	Ser. Yacht	Toronto	Not running.
Isway	14	Ser. Yacht	Montreal	Not in commission.
Ira	27	Ser. Tug	Toronto	No application.
Invader	280-7	Dredge	St. John.	Laid up.
Iona	21	Ser. Yacht	Toronto	No application.
Iota	6	Ser. Tug	Toronto.	Not running.
Iris	37-7	Ser. Tug	Vancouver	No application.
Iroquois	286	Dredge	St. John	Laid up.
Iroquois	307	Ser. Pass	Collingwood	Not running.
Islander	54-44	Ser. Tug	St. John	Laid up.
Isabelle	0	Ser. Tug	Port Arthur	No application.
Island Lassie	7	Ser. Yacht	Kingston	Not in commission.
Islay	175	Ser. Pass	Toronto	Not running.
Ivan R	66	Tw. Ser. Tug	Toronto	Not running.
J. Russell Smith		Pdl. Tug.	Montreal	Not in commission.
J. B. Hamil	169	Dredge	Kingston	Not in commission.
J. C. Stewart	113	Ser. Pass	Toronto	Gone to U.S. ports.
J. F. Booth	90	Pdl. Pass	Kingston.	No application.
J. G. Witherbee	165	Ser. Tug	Montreal	Changed district.
J. G. Cox	9-53	Ser. Frt. and Pass.	Victoria	Laid up.
J. H. Montgomery	76	Ser. Tug	Port Arthur	No application.
J. O. Gravel	197-23	Ser. Pass	St. John	Out of district.
J. W. Ward	64	Ser. Tug	Port Arthur	Not in commission.
Jack Canuck	173	Dredge	Toronto	Not running.
Jacobsen.	507	Ser. Frt. Coasting	Halifax	Out of district.
Janne d'Arc	104	St. Ferry	Sorel	Laid up.
Jasmine	298	Ser. Pass	Toronto	Not running.
Jeanne d'Arc	105	Ser. Ferry	Montreal	Changed district.
Jeanne Alice	60	Ser. Frt	Montreal	No application.
Jean Jacques II	329	Ser. Pass	Quebec	Not in commission.
Jennett B	20	Ser. Tug	Port Arthur	Not running.
Jessie M	14	Ser. Tug	Toronto	Not running.
John Duncan	1,517	Ser. Frt	Kingston	No application. Name changed.
John Fraser	6	Ser. Yacht	Toronto	Not running.
John L. Card	141-08	Tw. Ser. Frt	Victoria	Laid up.
Joe Dudley	52	Ser. Tug	Toronto	Not running.
Jolly IV	10	Ser. Tug	Toronto	Not running.
Kaledon	180-14	Str. Whl. Frt. and Pass	Victoria	Laid up.
Kate	23	Ser. Yacht	Kingston	Not in commission

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Kathleen	76	Ser. Pass	Port Arthur	Not running.
Kawigamog	85	Ser. Pass	Toronto	No application.
Kaybee	9	Ser. Tug	Toronto	Not running.
Kennequahare	572	Dipper Dredge	Port Arthur	Out of district.
Keeyo		Ser. Pass	Kingston	No application. Not in commission.
Keewatin	50	Ser. Tug	Port Arthur	Not running.
Kestrel	7	Ser. Tug	Toronto	No application.
Kestrel	311-07	Schooner Frt	Victoria	In foreign port. Not available.
Ketin	6	Ser. Tug	Port Arthur	Not running.
Kilbirnie	15	Ser. Yacht	Kingston	Not in commission.
Killarney Bell	28	Ser. Tug	Toronto	Not running.
King Edward	Not reg'd.	Suction Dredge	Vancouver	Inspected since Mar. 31, 1918.
Kingfisher	77	Ser. Tug	Port Arthur	Not running.
Kruger	243	Sand Sucker	Toronto	Not running.
Kwasind	47	Ser. Yacht	Toronto	Not running.
Lac Saul	18	Ser. Tug	Port Arthur	Not in commission.
Lac St. Jean	184-18	Dredge	Quebec	Not in commission.
Lac St. Pierre	158	Tw. Ser. Tug	Sorel	Laid up.
Lady of the Lake	7	Ser. Yacht	Toronto	Not running.
Lady of the Lake	160	Ser. Frt	Port Arthur	No application.
Lakefield	33	Ser. Pass	Toronto	Not running.
La Jeanette	8	Ser. (Gas)	Quebec	Not in commission.
Lamonde	86	Ser. Pass	Kingston	Not in commission.
Landbo	2,292	Ser. Frt	Toronto	Inspected since Mar. 31, 1918.
Lansdowne	680-31	Ser. Gov't Buoy Service	St. John	Laid up.
La Salle	85	Ser. Yacht	Toronto	Not running.
Laurentian	355-02	Ser. Pass	Quebec	No application.
Laurin and Leitch	297	Dipper Dredge	Montreal	Not in commission.
Leader	29-32	Ser. Tug	St. John	Out of district.
Le Colon	173-13	PdL Geared	Quebec	Unfit for service.
Lee	9	Ser. Pass	Kingston	Not in commission.
Leland	619	Dredge	Toronto	Not running.
Lena	14	Ser. Fishing Tug	Toronto	Not running.
Leonard	3,365-4	Tw. Ser	Quebec	Not in commission.
Leroy Brooks	61	Ser. Tug	Toronto	Not running.
Lightship No. 18	94	Lightship	Toronto	Inspected since Mar. 31, 1918.
Lily of the Lake	18-87	Ser. Frt. and Pass. (Gas)	Edmonton	Inspection not applied for. Laid up.
Lingan	4,476-56	Ser. Frt	St. John	Inspected elsewhere.
Little Ada	236	Ser. Tug	St. John	Laid up.
Little Bobs	13	Ser. Tug	Port Arthur	No application.
Little Lake	50	Dredge	Toronto	No application.
Lizzie May	18	Ser. Tug	Toronto	Not running.
Llano	14	Ser. Yacht	Toronto	No application.
Loblitz	438	Rock Breaker	Halifax	Laid up.
Lobnitz No. 3	438-39	Gov. Stone Breaker	St. John	Out of district.
Lobnitz Rockcutter No. 1	222	Rock Cutter P.W.D.	Victoria	Laid up.
Lolita	14	Ser. Yacht	St. John	Laid up.
Longlad	22	Ser. Tug	Toronto	No application.
Loon Lake	9	Ser. Tug	Port Arthur	Not running.
Lord Roberts	55-98	Ser. Tug	St. John	Inspected elsewhere.
Lord Beresford	111-73	Ser. Tug	St. John	Out of district.
Lottie	12	Ser. Ferry	Montreal	Not in commission.
Lotus	26	Ser. Yacht	Toronto	No application.
Lorne Hale	22	PdL Tug	Toronto	Not running.
Louise		Warp Tug	Montreal	No application.
Louisburg	1,815-6	Ser. Frt	St. John	Inspected elsewhere.
Lowmoor	14	Ser. Tug	Montreal	No application.
Lubec	50-94	Ser. Pass	St. John	
Lubricator	10-16	Ser. Frt. and Pass. (Gas)	Victoria	Laid up.
Ludvica	16-72	Ser. Tug	Quebec	Not in commission.
M. & F. No. 1	409	Elev. Dredge	Sorel	Laid up.
M. & F. No. 7	913	Suction Dredge	Sorel	Laid up.
M. & F. No. 10	759	Dipper Dredge	Sorel	Laid up.
M. & F. No. 11	842	Dipper Dredge	Sorel	Laid up.
M.G.C. Co. No. 1	401	Drill Boat	Montreal	No application.
M. & W	9	Ser. Tug	Kingston	Not in commission.
M. J. O'Brien	252	PdL Frt	Port Arthur	Not running.
Mabel Brown	1,474-4	Ser. Frt	Vancouver	In foreign ports. Not available.
Mabel D.	38	Ser. Fishg. Tug	Toronto	Being rebuilt.
Mabel McDonald	42	Ser. Tug	Kingston	Not in commission.
Mabel Reid	63	Ser. Tug Coasting	Halifax	Laid up.
MaeNaughton	137	Ser. Tug	Toronto	Not running.
McPhee	Not reg'd	Sta. PdL. Scow	Edmonton	Inspection not applied for. Laid up.

SESSIONAL PAPER No. 23

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Madawaska	15	Pdl. Warp Tug	Montreal	Not in commission.
Maggie May	46	Ser. Pass.	Toronto	Not running.
Maganetawan	25	Ser. Tug	Toronto	No application.
Maggie R. King	27	Ser. Tug	Kingston	Not in commission.
Malaspina	392	Ser. Gov't Ser.	Victoria	Naval Service. No application.
Fig 1 Margaret F	31	Ser. Yacht	Toronto	Not running.
Margaret	24	Ser. Tug	Port Arthur	No application.
Marguerite	19.7	Ser. Tug	St. John	Laid up.
Maria	31	Ser. Tug	Sorel	Laid up. No application.
Marion	32	Ser. Frt. Tug	Edmonton	Inspection not applied for. Laid up.
Marie Josephine	117.43	Wrecking Sch. Ser.	Quebec	Not in commission.
Marie Louise	32	Ser. Tug	Kingston	Not in commission.
Markland	22	Ser. Pass.	Halifax	Laid up.
Marlton	64	Ser. Tug	Toronto	Not running.
Mesaba	1,913	Ser. Frt	Kingston	No application.
Marshall W	5.5	Ser. Tug	St. John	Laid up.
Mather	144	Ser. Tug	Port Arthur	Not running.
Matheson	20	Ser. Tug	Toronto	Not running.
Mazeppa	149	Ser. Frt	Toronto	Not running.
Mendora	73	Ser. Tug	Toronto	Not running.
Menesetung	205	Dredge	Toronto	Not running.
Mersey	41.6	Ser. Tug	St. John	Laid up.
Michael Davitt	28	Ser. Tug	Montreal	No application.
Minorca	110	Quarantine Boat	Halifax	Inspection not applied for.
Minouche	10.76	Ser. Gas	Quebec	Not in commission
Minoru	147.7	Ser. Tug	St. John	Out of district.
Mikado	80.1	Ser. Tug	St. John	Out of district.
Mistango	72	Pdl. Tug	Montreal	No application.
Minnie C	7	Ser. Yacht	Toronto	Not running.
Minota	29	Ser. Yacht	Toronto	Not running.
Minga	20	Ser. Yacht	Toronto	Not running.
Mink	88	Ser. Pass.	Toronto	No application.
Mildred	39	Ser. Yacht	Toronto	No application.
Mills	11	Ser. Tug	Toronto	Not running.
Minaki	53	Ser. Tug	Port Arthur	Not running.
Minnie M	19	Ser. Tug	Port Arthur	Not running.
Mistassini	235	Pdl. geared	Quebec	Unfit for service
Monsmeig	361	Drill Boat	Kingston	Not in commission
Mollie	11	Ser. Yacht	Kingston	Not in commission
Modello	46	Tw. Ser.	Collingwood	Not running.
Monareh	474	Dredge	Toronto	Not running.
Mont Cashel	508	Ser. Pass.	Port Arthur	Not running.
Montmorency	38	Ser. Tug	Montreal	No application.
Morning Star	72	Ser. Yacht	Kingston	Not in commission.
Morinus	10	Ser. Pass.	Toronto	Not running.
Mossy River	30	Ser. Tug	Port Arthur	Not running.
Mouping	33	Ser. Pass.	Vancouver	Not in commission.
Mulgrave	485	Ser. Tug Coasting	Halifax	No application.
N. B. No. 1	244	Dredge	St. John	Laid up.
Naiad	29	Ser. Yacht	Toronto	Not running.
Natironco	1,079	Ser. Gvt	Sorel	No application.
Nellie Bly	13	Ser. Tug	Toronto	Not running.
Nellie J. Thurston	100	Ser. Tug	Vancouver	Not in commission.
Nelson	24.5	Ser. Frt. and Pass.	Victoria	Laid up.
Nertie B	12	Ser. Fishg. Tug	Toronto	Not running.
Nipissing	275	Pdl. Pass.	Collingwood	Not running.
Nokomis	25	Ser. Yacht	Montreal	No application.
Norecross	20	Ser. Tug	Toronto	Not running.
Northland Echo	146.5	Str. Pdl. Frt. Pass.	Edmonton	Inspection not applied for
Northland Star	20	Str. Pdl. Frt. Pass.	Edmonton	No application.
Northland Sun	132	Tw. Ser. Frt. Pass.	Edmonton	No application.
Notin	18	Ser. Tug	Port Arthur	Not running.
Nootka	18.7	Ser. Yacht	Toronto	No application.
North Vancouver—Ferry No. 3	1,176	Ser. Pass.	Vancouver	Inspected since Mar. 31-18.
Number 6	170	Dipper Dredge	Sorel	Unfit for service.
Nymoca	51	Ser. Tug	Toronto	Not running.
Nymph	84	Ser. Tug	Toronto	Not running.
Oak Bay	26.6	Ser. Tug	Quebec	Not in commission.
Oak Leaf	39	Ser. (gas)	Halifax	No application.
Old Glory	199	Dredge	Toronto	Not running.
Old Glory	1,246	Ser. Frt.	Montreal	Changed districts.
Omaha	19	Ser. Frt.	Toronto	Not running.
Ontario	11	Ser. Tug	Toronto	Not running.
Ophir	11	Ser. Yacht	Toronto	No application.
Orvil	7	Ser. Pass.	Montreal	Not in commission.
Osprey	6	Ser. Tug	Montreal	Not in commission.
Oso	24	Ser. Yacht	Toronto	No application.
Ott	9	Ser. Yacht	Kingston	Not in commission.
Ottawa		Ser. Tug	Montreal	Not in commission.

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
P.D.C. No. 2	156.7	Dredge	Vancouver	No application.
P.D.C. No. 4	337.8	Dredge	Vancouver	Not in commission.
P.D.C. No. 5	148.9	Dredge	Vancouver	Not in commission.
P.W.D. No. 3	447	Dredge	Halifax	No application.
P.W.D. No. 4	Not Regt.	Dredge	Halifax	No application.
P.W.D. No. 10	244.3	Dredge	St. John	Laid up.
P.W.D. No. 14	Not Regt.	Dredge	Halifax	No application.
P.W.D. No. 13	403.7	Dredge	St. John	Laid up.
P.W.D. No. 12	434.8	Dredge	St. John	Laid up.
P.W.D. No. 120	268	Dredge	Toronto	Not running.
Panther	15	Ser. Tug	Kingston	Not in commission.
Pastime	15	Ser. Tug	Port Arthur	Not running.
Pauline Hickler	51	Ser. Tug	Toronto	Not running.
Parrsboro	57	Ser. Tug	Halifax	No application.
Pearl	6	Ser. Yacht	Toronto	No application.
Peace River	292	Pdl. Frt. and Pass	Edmonton	No application.
Peace River Boy	15.9	Ser. Frt. and Pass. (gas)	Edmonton	No application.
Peguis	39	Ser. Tug	Port Arthur	Not running.
Peltier	300	Dredge	Toronto	Not running.
Peribonka	178.8	Pdl. Tug	Quebec	Not in commission.
Perley Holmes	20	Ser. Tug. Allgr	Port Arthur	Not located.
Petawie	29	Ser. Tug	Port Arthur	Not running.
Pete Gorman	64	Ser. Tug	Toronto	Not running.
Phoebe II	13	Ser. Yacht	Toronto	No application.
Phyllis William	154	Ser. Tug	Port Arthur	Not running.
Pioneer	15	Ser. Tug	St. John	Laid up.
Piper	281.8	Ser. Hopper	St. John	Laid up.
Pluvia	42	Ser. Pass	St. John	No application.
Pocahontas	55.8	Ser. Pass	Montreal	Not in commission.
Polaris	532.7	Ser. Tug	Quebec	No application.
Port Douglas	12.9	Ser. Tug	Vancouver	No application.
Portneuf	38.7	Ser. Tug	Quebec	No application.
Port Wade	17	Ser. Pass. (gas)	Halifax	Out of district.
Powerful	29	Pdl. Tug	St. John	Laid up.
Premier	177	Elev. Dredge	Montreal	Not in commission.
Primrose	916	Dredge	Toronto	Not running.
Primrose	23	Ser. Tug	Toronto	Not running.
Prince Edward Island	2,795	Tw. Ser. Ferry	Halifax	Out of district.
Prince Ito	472.6	Ser. Frt	Quebec	No application.
Prince Willie	200	Dipper Dredge	Sorel	No application.
Prince Guy	261	Dipper Dredge	Sorel	No application.
Princess Louise	26	Ser. Pass	Kingston	No application.
Prince Albert	1,015	Ser. Frt. and Pass	Vancouver	Inspected since Mar. 31-18.
Pri-scilla	20	Ser. Yacht	Toronto	Not running.
Projective	71.1	Ser. Tug	Vancouver	Inspected since Mar. 31-18.
Provincial No. 1	168.4	Dredge	St. John	Laid up.
Pueblo	1,493	Ser. Frt	Kingston	No application.
Pukwana	14	Ser. Yacht	Toronto	No application.
Q. H. C. Dredge No. 1	748	Tw. Ser. Suction Dredge	Quebec	Not in commission.
Qu'Appelle	82.2	Ser. Pass	Edmonton	No application.
Queen of Temagami	36	Ser. Pass	Kingston	No application.
Quincy	209	Dredge	Halifax	Laid up.
Quinte Chief	264	Drill Boat	Kingston	Not in commission.
R. G. Shaw	28	Ser. Tug	Toronto	Not running.
R. G. A. Weaver	81	Ser. Tug	Kingston	Not in commission.
R.M.C. Dredge No. 10	511	Dredge	Kingston	Not in commission.
Rambler	39	Ser. Yacht	Toronto	No application.
Rambler	26	Ser. Tug	Port Arthur	No application.
Ramona	102	Ser	Collingwood	Not running.
Ranger	8	Ser. Tug	Toronto	Not running.
Rapids Queen	1,307.5	Pdl. Pass	Quebec	Not in commission.
Rat Portage	14	Ser. Tug	Port Arthur	Not running.
Redwing	23	Ser. Tug	Port Arthur	No application.
Reliable	207.7	Ser. Tug	St. John	Out of district.
Reliance C	19	Ser. Pass	Kingston	No application.
Rexton	35.1	Pdl. Tug	St. John	Laid up.
Rideau King	266	Ser. Pass	Kingston	Not in commission.
Robbie Burns	80	Ser. Tug	Halifax	Laid up.
Robert R. Rhodes	1,598.9	Ser. Tug	Quebec	No application.
Rob Roy	12	Ser. Yacht	Kingston	Not in commission.
Robson	464.1	Suction Dredge	Vancouver	Not in commission.
Rock Breaker No. 1	146	Rock Breaker	Kingston	Not in commission.
Rosamond Billett	659	Tw. Ser	Port Arthur	Dismantled.
Rosemount	1,580	Ser. Frt	Kingston	No application.
Rosina	8	Ser. Yacht	Toronto	Not running.
Rosseau	53	Ser. Yacht	Toronto	Not running.
Roy	6	Ser. Yacht	Toronto	Not running.
Ruby	20	Ser. Tug	Port Arthur	Not running.
Rustler	101.5	Pdl. Ferry	St. John	Laid up.
St. Andrew	76.6	Ser. Tug	St. John	No application.
St. Anthony		Pdl. Warp Tug	Montreal	Not in commission.

SESSIONAL PAPER No. 23

TABLE IV—Continued.—TABLEAU IV—Suite.

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
St. Charles	27	Ser. Tug.	Kingston	Not in commission.
St. Claire No. 2	Not Regd.	Dredge	Toronto	Not running.
St. Irene	2,158.5	Pdl. Pass	Quebec	Not in commission.
St. John	941	Dredge	St. John	Laid up.
St. Paul	45	Ser. Tug.	Toronto	Not running.
St. Roch	17.7	Ser. Tug.	Quebec	Not in commission.
Sadie	14	Ser. Fishg. Tug.	Toronto	Not running.
Saeborn	30	Tw. Ser. Yacht	Montreal	Not in commission.
Sagamo	744	Tw. Ser. Pass	Toronto	Not running.
Sagenada	64.3	Ser. Tug.	St. John	Inspected elsewhere.
Sam Brisbin	26	Ser. Tug.	Port Arthur	Could not make port, river low.
Scona	114.2	Str. Pdl. Tug.	Edmonton	No application.
Scowitz	177.9	Str. Whl. Tug.	Vancouver	Not in commission.
Seacrest	18	Ser. Tug.	Halifax	No application.
Sea Gull	9	Ser. Tug.	Toronto	No application.
Scaton Lake	12.2	Tw. Ser. Frt. and Pass. gas	Victoria	Laid up.
Shamrock	23.8	Ser. Tug.	Victoria	Laid up.
Shamrock II	10	Ser. Pass.	Toronto	Not running.
Siesta	99	Ser. Yacht	Toronto	Not running.
Sigma	191	Ser. Yacht	Port Arthur	Not running.
Sir Henry Harness	100	Ser. Tug. Coasting	Halifax	Laid up.
Sir Lomer	48	Ser. Tug.	Quebec	No application.
Sissiboo	61	Ser. Pass.	St. John	No application.
Skookum	16.1	Tw. Ser. Frt. & Pass.	Victoria	Laid up.
Skwala	164.6	Strn. Whl. Tug.	Vancouver	Not in commission.
Slave River	318.2	Str. Pdl. Frt. and Pass	Edmonton	No application.
Smith Brothers	13.4	Ser. Tug.	St. John	Laid up.
Solid Comfort	26	Ser. Tug.	Port Arthur	No application.
Sonci	14	Ser. Pass.	Toronto	Not running.
Southwood	19	Ser. Tug.	Toronto	Not running.
Sowards	238	Ser. Frt.	Toronto	Not running.
Spray	18	Ser. Tug.	Port Arthur	Not running.
Spirit	13	Ser. Tug.	Port Arthur	No application.
Stanstead (New Colin W)	1,458.7	Ser. Frt.	Quebec	No application.
Standard	16	Ser. Tug.	Port Arthur	Not running.
Stella A. K	61	Ser. Tug.	Montreal	Changed district.
Stella	16	Ser. Tug.	Toronto	Not running.
Stetson	36.1	Ser. Tug.	Vancouver	Not in commission.
Stodard	11	Ser. Tug.	Toronto	Not running.
Stornaway	41	Ser. Tug.	Toronto	Not running.
Swastika	9	Ser. Yacht	Toronto	No application.
Sweepstakes	28	Pdl. Tug.	Toronto	No application.
T. A. Stewart	36	Tw. Ser. Tug.	St. John	Laid up.
T. F. M. No. 4	143	Dredge	Kingston	Not in commission.
Tadenac	9	Ser. Tug.	Montreal	Not in commission.
Takara Maru	30.1	Ser. Tug.	Vancouver	Not in commission.
Tangent	36	Tw. Ser. Tug.	St. John	Laid up.
Tantawanta	158.5	Ser. Dredge	St. John	Laid up.
Tomagami	18	Ser. Pass.	Kingston	No application.
Temiskaming	295	Ser. Pass. Frt.	Montreal	Not in commission.
The Chief	325	Dredge	Toronto	Not running.
Thelma	19	Ser. Tug.	Kingston	Not in commission.
Theresa	26	Ser. Tug.	Toronto	No application.
The Sydenham	445	Dredge	Toronto	Not running.
The Pas	23	Ser. Tug.	Port Arthur	Not running.
Terra Nova	47.1	Ser. Tug.	Vancouver	Inspected since Mar. 31-18.
Thos. Maitland	107	Ser.	Collingwood	Not running.
Thyra Menier	1,456.5	Ser. Frt. & Pass	St. John	Inspected elsewhere.
Tig	10	Ser. Tug.	Port Arthur	No application.
Tim Healy	34	Ser. Tug.	Toronto	Not running.
Togo	15	Ser. Tug.	Toronto	Not running.
Topsy	15	Ser. Tug.	Toronto	No application.
Tornado	1,121	Dredge	Toronto	Inspected since Mar. 31-18.
Torpy	7	Ser. Tug.	Port Arthur	Not running.
Torpedo	8	Ser. Tug.	Montreal	Not in commission.
Torsand	56	Ser. Tug.	Toronto	Not running.
Tranquillo	39	Ser. Tug.	Toronto	Not running.
Trusty	58	Ser.	Halifax	Naval service.
Tug No. 1	115	Ser. Tug.	Montreal	Not in commission.
Tyrian	1,039	Ser.	Halifax	Naval Service. No application.
Umbria	97	Ser. Tug.	Kingston	Not in commission.
Una	14	Ser. Tug.	Toronto	Not running.
Undine	9	Ser. Tug.	Port Arthur	Out of district.
Vera A	11	Ser. Tug.	Toronto	Not running.
Verda Bell	34	Ser. Tug. Fishg.	Toronto	Not running.
Veta	11.5	Ser. Tug.	St. John	Laid up.
Victor	26	Ser. Tug.	Port Arthur	Not running.
Vulcan	76.8	Ser. Tug.	Vancouver	To be inspected later.
W. H. Murray	74.9	Ser. Tug.	St. John	Out of district.

TABLE IV—*Concluded.*—TABLEAU IV—*Fin.*

Name of Vessel. Noms des navires.	Tonnage. Gross-Brut	Class of Vessel. Catégories des navires.	District.	Reason for Non-Inspection. Motif de la non-inspection.
Wabash.....	13.7	Ser. Tug	Victoria.....	Laid up
Wabis.....	77	Pdl. Warp Tug	Montreal.....	Not in commission.
Wahwashash.....	19	Pdl. Frt	Toronto.....	No application.
Wanda III.....	60	Ser. Yacht.....	Toronto.....	No application.
Wanderer.....	21	Ser. Tug.....	Port Arthur.....	Not running.
Wapite.....	18	Ser. Yacht.....	Port Arthur.....	Not running.
Water Lily.....	54	Ser. Pass.....	Kingston.....	Not in commission.
Walter H. Stone.....	35	Ser. Tug.....	Toronto.....	Not running.
Wasp, B.....	15	Ser. (gas).....	Halifax.....	No application.
Waukon.....	29	Ser. Pass.....	Toronto.....	No application.
Wawa.....	9	Ser. Yacht.....	Toronto.....	Not running.
Wawono.....	31	Ser. Fisg. Sc.....	Toronto.....	Not running.
Wendigo.....	34	Ser. Tug.....	Port Arthur.....	Not running.
Westerian.....	987.6	Ser. Frt.....	Quebec.....	No application.
Westport.....	80	Ser. Frt.....	Montreal.....	No application.
Where Now.....	48	Ser. Pass.....	Toronto.....	Not running.
Wiley M. Egan.....	1,620	Ser. Frt.....	Montreal.....	Changed district.
Wilfred C.....	99.3	Ser. Pass.....	St. John.....	Laid up.
Willie H.....	Not Regd.	Ser. Tug.....	Quebec.....	No application.
Willowdece.....	25	Ser. Yacht.....	Toronto.....	No application.
William White.....	18	Ser. Tug.....	Port Arthur.....	Not running.
Winnet.....	22	Ser. Tug.....	Kingston.....	Not in commission.
Winnie.....	225.6	Ser. Tug.....	St. John.....	Out of district.
Winnifred.....	13	Ser. Tug.....	Vancouver.....	No application.
Wm. A. Haskell.....	1,845	Ser. Frt.....	Kingston.....	No application. Name changed.
Wm. J. Averill.....	1,554	Ser. Frt.....	Kingston.....	No application. Name changed.
Woodnymth.....	18.6	Ser. Tug.....	Vancouver.....	To be inspected later.
Yeldah.....	42	Ser. Frt.....	Toronto.....	Not running.
Zella V.....	47.4	Ser. Tug.....	St. John.....	Laid up.

SESSIONAL PAPER No. 23

TABLE V.—Statement showing Steam Vessels added to Dominion during the Fiscal Year ended March 31, 1918
 TABLEAU V.—Relevé des navires à vapeur ajoutés à la marine marchande de la Puissance durant l'exercice financier terminé le 31 mars 1918.

Name of Vessel. Noms des navires.	Tonnage.	Where and when Built.—Material. Année et lieu de construction. Nature de la coque.	Trade. Designation d'emploi commercial.	Propulsion—N.H.P. Propulsion—N. en H.P.	Division.	Route.
A. B. Comice	133-72.	Port Arthur, Wood.	Tug	Screw 31.	Port Arthur	Lake Superior.
Agnes W. Dods	12-39 8-43	Victoria, B.C., Wood.	Pass.	Screw gas 1-4	Victoria	Sydney and James Island, B.C.
Argenteuil	174-64.	Sorel, Steel.	Buoy service.	Steam Barge 16-6	Sorel	Ottawa River.
Aurore-Marie	19-11.	St. Fulgence, Wood.	Pass.	Tw. Screw Gas 2	Quebec	Charontini and St. Fulgence.
*Beatrice Castle	1,565-6 1,248-2	Victoria, B.C., Wood.	Freight	Aux. St. Tw. Scr. 18	Victoria	Foreign ports.
C. Kylander	25-17.	Rosport, Ont., Wood.	Fishing Tug	Screw 7	Port Arthur	Rosport.
Cadillac	1,297-732.	South Chicago, U.S.A., Steel.	Pass. and Frt.	Screw 88-16	Toronto	Lakes, etc.
Col. White	19-13.	Simcoe, Ont., Wood.	Warp Tug	2-7	Montreal	Calumet and La Rouge.
Conqueror	166-91.	Buffalo, N.Y., Wood.	Tug	Screw 35-2	Sorel	Rivers and lakes.
Couchiching	43-26.	Lowbush, Wood.	Passenger	Twin Screw 3-2	Montreal	Abitibi Lake.
Dr. Rymer	15-5 10-5	Edmonton, Alta., Wood.	Yacht	Tw. Scr. gas 70	Edmonton	McKenzie River.
Empress Asia	16,999-8,883-2	Govan, B.C., Steel.	Freight and Pass.	Four Steam Turbine	Vancouver	Vancouver and Foreign ports.
Empress of Japan	5,940-4	Barrow-in-Furness, Eng., Steel.	Freight and Pass.	Twin Screw 2,000	Vancouver	Vancouver and Foreign ports.

*Since sold to French Interests, now named Stasia.

TABLE V—Continued.—TABLEAU V—Suite.

Name of Vessel Noms des navires.	Tonnage.	Where and when Built. Material. Année et lieu de construction. Nature de la coque.	Trade. Designation d'emploi commercial.	Propulsion—S.H.P. Propulsion—N. en H.P.	Division.	Route.
Empress Russia	16,810- 8,789-1	Govan, G. B. Steel.	Freight and Pass.	Four St. Turbine	Vancouver	Vancouver and Foreign ports.
Esquimalt	1,373- 1,058.	Victoria, B.C. Wood.	Freight	Aux. sc. Tw. Ser. 18	Victoria	Foreign ports.
F. A. R. No. 3	67- 67.	Chapress, Ont. Wood.	Dredge	5	Kingston	Trent Canal
Festubert	365- Not reg'd.	Toronto, Ont. Steel.	Trawler	Screw 58-93	Toronto	
G. B. Greene	251- 218.	Quyon, Que. Steel.	Passenger	Paddle (Gas). 34	Montreal	Deschenes Lake.
G. R. Gray	268- 121.	Collingwood, Ont. Wood.	Freight	Screw 56-5	Collingwood	South Ste. Marie and vicinity.
George Williams	52- 26.	Les Escuminas, P.Q. Wood.	Tug	Tw. Screw 50	Quebec	Saguenay River.
Geraldine Wolvin	1,472- 1,250.	North Vancouver, B.C. Wood.	Freight	Tw. Ser. aux. sc. 36-3	Vancouver	Vancouver and Foreign ports.
Glenmount	2,111- 1,218.	Windsor, Mich., U.S.A. Composite.	Freight	Screw 132	Kingston	Great Lakes.
James W. Follette	736- 510.	Gilbraltar, Mich., U.S.A. Wood.	Freight	Screw	Kingston	Erie and Saguenay.
Janet Carruthers	1,466- 1,233.	North Vancouver, B.C. Wood.	Freight	Tw. Ser. aux. sc. 36-3	Vancouver	Vancouver and Foreign ports.
Jean McNamara	11- 25.	Ottawa, Ont. Steel.	Warp Tug	Screw 6-6	Montreal	Chat Lake.
Jean Steedman	1,577- 1,251.	Victoria, B.C. Wood.	Freight	Tw. Ser. aux. sc. 18	Victoria	Foreign ports.
Jessie Norcross	1,481- 1,268.	North Vancouver, B.C. Wood.	Freight	Tw. Ser. aux. sc. 36-3	Vancouver	Vancouver and Foreign ports.
Kethi Cann	299- 17-6	Shelburne, N.S. Wood.	Freight	Steam 52-6	Halifax	Coasting.
La Pas	17- 11.	Fort Coulonge, P.Q. Wood.	Pass. Frey	PdL	Kingston	Fort Coulonge and Pas Pas.

SESSIONAL PAPER No. 23

Laurel, Whalen	1,357. 1,049.	Victoria, B.C. Wood.	Freight.	T.W. Ser. aux. S. 15	Victoria	Foreign ports.
Lord Ormonde	3,914. 2,533.	Low-Walker-on-Tyne, G.B. Steel.	Freight.	Screw 320	Quebec.	Foreign ports.
Low Bush	117. 64.	Low Bush Wood.	Tug.	Pull 6-6	Montreal.	Abitibi lake.
Mabel Stewart	1,471. 1,272.	North Vancouver, B.C. Wood.	Freight.	T.W. Ser. aux. S. 36.3	Vancouver.	Vancouver and Foreign ports.
Mac Sill	280. 80.	Sorel Wood.	Tug.	Screw Tug. 118	Sorel.	Rivers and lakes.
Mayata	112. 63.	New York, U.S.A. Composite.	Not in commission	T.W. Serw. 51	Quebec.	
Messines	325. Not reg'd.	Toronto, Ont Steel.	Trawler	Screw 58.9	Toronto	
Monteagle	6,162. 3,953.	New Castle, Eng. Steel.	Frt. and Pass.	T.W. Serw. 750	Vancouver.	Vancouver and Foreign ports
M'Sisone	275.6 160.8	Church Point, N.S. Wood.	Freight	Steam 28	Halifax	Coasting.
Notre Dame	337. 174.	Wedge Port N.S. Wood.	Freight	Steam 34	Halifax	Coasting.
Parima	2,900. 1,874.	New Castle, Eng. Steel.	Pass.	Screw 271	Montreal	New York and West Indies.
Peter Pan II	190. 58.	Collingwood, Ont Wood.	Towing and Frt	Screw 34.67	Collingwood	Windsor and Pelee Islands.
Port Alberni	34.7 23.6	Port Alberni, B.C. Wood.	Tug.	Screw 7	Victoria	Albernia Canal, B.C.
Premier	195. 133.	Matteglab, N.S. Wood.	Freight	Screw 20.4	St. John, N.B.	St. John River.
Ragus	78. 43.	Malbone Bay, N.S. Wood.	Pass. and Frt	Steam 18.2	Halifax	Malbone Bay.
Regal R	8. 5.8	Prince Rupert. Wood.	Frt. and Pass.	Gas. Serw. 2.8	Prince Rupert	Prince Farrant Chl.
Reginotte	2,631. 1,394.	Collingwood, Ont Steel.	Freight	Screw oil 124	Collingwood	Coasting.
Robert K	57. 39.	Port Dover, Ont Wood.	Fishing tur	Screw 16.8	Toronto	Lake Erie.
Rosina B	320. 181.	Malbone Bay, N.S. Wood.	Freight	Steam 54	Halifax	Coasting.
St. Eloi	325. Not reg'd.	Toronto Steel.	Trawler.	Screw 58.9	Toronto	

TABLE V—Concluded.—TABLEAU V—Fin.

Name of Vessel Noms des navires.	Tonnage.	Where, and when Built—Material. Année et lieu de construction. Nature de la coque.	Trade. Designation d'emploi commercial.	Propulsion—N. H. P. Propulsion—N. en H. P.	Division.	Route
St. Athan.	325. Not reg'd.	Toronto, Ont. Steel.	Trawler.	Screw. 58-93	Toronto	
Tarabuco.	198. 156.	Atlin, B. C. Wood.	Frt. and Pass.	Tw. Scr. rigs. 12-15	Prince Rupert	Atlin Lake.
Thomas B.	199. 135.	Brooklyn, N. Y. Wood.	Freight.	Steam 65-3	Halifax	Coasting.
Trawler No. 7.		Collingwood, Steel.	Trawler	Screw 61	Collingwood	
Trawler No. 8		Collingwood, Steel.	Trawler	Screw 61	Collingwood	
Trawler No. 9		Collingwood, Steel	Trawler.	Screw 61	Collingwood	
Tremblay . . .	199. 78.	Chicoutimi . . . Wood.	Pass	P.H. 9	Quebec.	Chicoutimi and Ste. Anne.
Trois Pistoles	20- 11.	Big, P. Q. Wood.	Pass.	Screw 1	Quebec	Trois Pistoles and Escommins.
Tutshi	922- 634.	Carross, Y. T. Wood.	Frt. and Pass.	Str. Whl 18-4	Prince Rupert	Taku Lake.
Viny	325. Not reg'd.	Toronto, Ont . . . Steel.	Trawler.	Screw 58-93	Toronto	
Violet G.	37- 25.	Rosport, Ont. . . . Wood.	Fishing Tug	Screw 8	Port Arthur, Ont	Rosport.
W. J. Guest	97- 66.	Selkirk, Man Wood.	Fishing Tug	Screw 20-9	Port Arthur	Lake Winnipeg.
War Dance.	2,321- 1,337.	Port Arthur, Ont Steel.	Freight	Screw 116	Port Arthur	Foreign ports.
War Fish.	2,646- 1,612.	Port Arthur. Steel.	Freight	Screw 146	Port Arthur	Foreign ports.
War Wasp	1,421-6 869-9	New Glasgow, N. S. Steel.	Freight	Turbine 1,000	Halifax	Foreign ports.
Wau Apos Bano.	61- 21.	Stamour, P. Q. . . . Wood.	Freight Tug	Str. Whl 5	Sorel, P. Q.	St. Maurice River.

SESSIONAL PAPER No. 23

Westmount	Collingwood, Steel	Freight and Pass	Screw	Collingwood	Great Lakes
Ypsil	302. 5,635.		217-7	Toronto	
	325. Not reg'd.	Trawler	58-93		

TABLE VI.—Statement of Steam Vessels, Lost, Broken up, or Laid up as unfit for service, in the Dominion during the Fiscal Year ending March 31, 1918, and where and how last employed.

TABLEAU VI.—Relevé des bateaux à vapeur perdus, démolis ou désarmés comme impropres à tout service, dans la Puissance, durant l'exercice financier terminé le 31 mars 1918. Ce relevé indique aussi l'endroit où le navire a navigué en dernier lieu.

Tonnage: Gross—Tonnage: Brut.

Name of Vessel. Noms des navires.	Tonnage.	Class of Vessel. Catégories des navires.	Division.	Where employed. Localités où employés.	
Acadien	707	Gas. Freight	Halifax	Foreign ports	Total loss.
Albert	269		Montreal	Desclenes Lake	Dismantled at Quyon, P.Q.
Alberta	7	Tug Screw	Port Arthur	Thunder Bay fishing	Foundered.
Albert Lea	18.7	Ser. Tug	Victoria	Albani Canal, B.C.	Machinery and boiler taken out.
Alford	61	Ser. Tug	Vancouver	Coast, B.C.	Destroyed by fire.
Argo	20	Wood Screw	Port Arthur	Rosspoint fishing	Broken up.
Atlantic	98	Screw fishing	Halifax	Coasting	Total loss.
Bridgewater	208	Steam Freight	Halifax	Coasting	Dismantled.
C. E. Tanner	18	Screw Tug	Halifax	Naval Service	Total loss.
Captor	22	Gas. Fishing	Halifax	Coasting	Dismantled.
Case	2,309	Ser. Frt	Toronto	Great Lakes	Burned.
Chicora	931	Pdl. Pass. and Frt.	Toronto	Lake Ontario	Laid up for repairs.
City of Chatham	362	Ser. Pass. and Frt.	Collingwood	North Channel	Dismantled—boiler condemned.
City of London		Ser. Frt	Quebec	Montreal and Baie St. Paul	
Conger Coal	672	Ser. Frt	Toronto	Great Lakes	Burned.
Cygnets	11	Steam Fishing	Halifax	Coasting	Dismantled.
Deliverance	280	Ser. Tug	Halifax	Naval Service	Total loss.
Dexuen	94	Tw. Ser. Pass. and Frt.	Quebec	Roberval and La Pipe	Destroyed by fire.
Durley Chine	1,918	Ser. Frt	Halifax	Coasting	Total loss.
E. A. Shores	593	Pdl. Frt	Toronto	Lake Erie	Not running.
E. G. Laverdure	54	Ser. Tug	Sorel	Sorel	Dismantled.
Elgin L. Lewis	50	Ser. Pass	Montreal	Lake Nipissing	Unfit for service.
Escort No. 2	192.4	Ser. Tug	Vancouver	Coasting	Sold to foreigners.
Eva Marie	126	Ser. Frt	Victoria	Victoria and West Coast, Vancouver Isld.	Abandoned. Total loss.
Florizel	3,081	Ser. Gas	Halifax	Halifax, Newfoundland & New York	Total loss.
Frank Jackman	39	Ser. Tug	Quebec	Quebec	Machinery taken out.
Frontier	700	Pdl. Pass	Toronto	Detroit River	Sunk at dock.
Gambrinus	28	Ser. Lighter	Halifax	Halifax Harbour	Dismantled.
Garden City	637	Pdl. Pass	Toronto	Toronto and Port Dalhousie	Laid up.
Geo. H. Jones	71	Ser. Tug Frt	Toronto	Georgian Bay	Foundered.
Glen Rosa	17.9	Ser. Tug	Vancouver	Coasting	Wrecked.
H. Larose	13	Ser. Tug	Sorel	Sorel	Hull dismantled. Engine and boiler taken out.
Heathote	2,345	Ser. Frt	Halifax	Foreign ports	Total loss.
Highland Belle	50	Ser. Pass	St. John	St. John	Unfit for service.
Hiptolyta	15	Ser. Gas. Pass	Halifax	Barrington and Cape Island	Total loss.
Islay	175	Ser. Tug	Collingwood	Lake Couchiching	Sunk. Abandoned.
J. E. Mills	149	Ser. Frt	Toronto	Detroit River	Dismantled.
James Reid	181	Ser. Tug Frt	Toronto	Great Lakes	Foundered.
Jasmine	298	Ser. Pass	Toronto	Toronto Bay	Laid up.
Jean Jacques	22.6	Ser. (Gas) Pass	Quebec	Grandes Piles and La Tuque	Dismantled.
Jubilee	117		Montreal	Lake Femiskaming	Broken up.
Lady of the Lake	607		Montreal	Magog and Newport	Dismantled.
Lady of the Lake	33	Ser. Tug	Kingston	Trent Canal	Hull used up.
Loretta	12	Ser. Tug	St. John	St. John River	Burned.
Lottie N.	34	Ser. Tug	Vancouver	Coasting	Boiler burned.
Luella	38	Ser. Pass	Toronto	Toronto Bay	Laid up.
Malcom Cann	212	Ser. Frt	Halifax	Coasting	Dismantled.
May Queen	539	Pdl. Pass. Tug	St. John	St. John River	Burned.
Meklayvie	44	Pdl. Pass	St. John	Restigouche River	Burned.
Mistassini	235	Pdl. Pass	Quebec	Roberval and Peribonka	Unfit for service.
Montmorency	27	Ser. Tug	Sorel	Sorel	Dismantled.
Njord	523	Ser. Frt	Halifax	Coasting	Total loss.
Nora J	19	Ser. Fishing	Halifax	Coasting	Dismantled.
Norveg I	332	Ser. Frt	Halifax	Coasting	Total loss.
Northland Sud	132	Ser. Pass. and Frt.	Edmonton	Lesser Slave Lake	Dismantled.
Olita	15	Ser. Fishing	Halifax	Coasting	Dismantled.
Pastime	68	Ser. Lighter	Halifax	Halifax Harbour	Dismantled.
Premier	374	Ser. Tug	Halifax	Naval Service	Total loss.
Quinte Queen	203		Montreal	Ottawa and Kettle Isld.	Broken up.

SESSIONAL PAPER No. 23

TABLE VI—*Concluded.*—TABLEAU VI—*Fin.*

Name of Vessel. Noms des navires.	Tonnage.	Class of Vessel. Catégories des navires.	Division.	Where employed. Localités ou employés.	—
R. Paul.....	174.6	Ser. Frt.....	Quebec.....	Montreal, Richelieu River	Destroyed by fire.
Roberval.....	343	Ser. Frt.....	Quebec.....	Quebec and Port Colborne	Loss.
Rosamond Bellet..	679	Tw. Ser.....	Port Arthur..	Lake Winnipeg, freight...	Dismantled.
St. Anne.....	99.6	PdL. Ferry.....	Quebec.....	Chicoutimi and Ste. Anne	Broken up.
St. Laurent.....	350	PdL. Frt.....	Kingston.....	Prescott and Montreal...	Destroyed by fire.
St. Lewis.....	428	PdL. Ferry.....	Quebec.....	Verdun and La Tortue...	Sunk.
St. Louis.....	269	PdL. Ferry.....	Montreal.....	Verdun and La Tortue...	Sunk.
Scottish Hero.....	2,205	Ser. Frt.....	Halifax.....	Foreign ports.....	Total loss.
Sruggler.....	16	Ser. Tug.....	Victoria.....	Arrow Lake, B.C.....	Sunk.
Sove City.....	500	Ser. Tug.....	Collingwood..	Georgian Bay.....	Dismantled.
Valleyfield.....	417	PdL. Pass.....	Toronto.....	Burlington Bay.....	Dismantled.
W. Robidoux.....	127	Dipper Dredge..	Sorel.....	St. Francois River.....	Laid up.
William Edwards..	1,336	Ser. Frt.....	Halifax.....	Foreign ports.....	Total loss.
Where Now.....	48	PdL. Pass.....	Toronto.....	Burlington Bay.....	Not required.
Wm. H. Murray..	75	Ser. Tug.....	Halifax.....	Coasting.....	Total loss.

TABLE VII.—Statement showing the number of inspections of ship's tackle made during the Fiscal Year ended March 31, 1918.

TABLEAU VII.—Relevé du nombre des inspections des appareils de levage à bord des navires, faites durant l'exercice financier terminé le 31 mars 1918.

Port.	Number of Inspections. Nombre d'inspections.	Name of Inspector. Nom de l'inspecteur.
Halifax, N.S.....	49	D. J. Murray.
St. John, N.B.....	279	E. D. Ring.
Montreal, P.Q.....	479	J. A. Duval.

TABLE VIII.—List of Certificates granted to Engineers of steamships during the Fiscal Year ended March 31, 1918.

CERTIFICATES OF COMPETENCY.

TABLEAU VIII.—Liste des certificats accordés aux mécaniciens de bateaux à vapeur durant l'exercice financier terminé le 31 mars 1918.

CERTIFICATS DE CAPACITÉ.

No. of Certificate.	Date of Certificate.	Name.	Class.	Address.	Place of Examination.
Nos des certificats.	Dates des Certificats.	Noms.	Classes.	Adresses.	Localité où l'examen a été passé.
1917.					
7902	April 6	Oliva Seguin	3rd	Hull, P.Q.	Montreal, P.Q.
7903	" 12	John Thorne	2nd	St. John, N.B.	St. John, N.B.
7904	" 12	Charles Vallor	4th	Esquimalt, B.C.	Victoria, B.C.
7905	" 18	Wm. Maurice Sims	3rd	Liverpool, N.S.	Halifax, N.S.
7906	" 18	Jno. Thomas Dalziel	4th	Georgetown, P.E.I.	Halifax, N.S.
7907	" 19	Harris Spencer	2nd	Vancouver, B.C.	Vancouver, B.C.
7908	" 19	Harry McLaughlin	3rd	New Westminster, B.C.	Vancouver, B.C.
7909	" 19	Jas. West Massey	4th	Vancouver, B.C.	Vancouver, B.C.
7910	" 25	Wallace Arthur Field	4th	Charlottetown, P.E.I.	St. John, N.B.
7911	" 26	Milford Verward Dalzell	4th	St. John, N.B.	St. John, N.B.
7912	" 26	Jas. Richard Wisner	4th	Charlottetown, P.E.I.	St. John, N.B.
7913	May 9	Bernard Jno. Meagher	4th	Canso, N.S.	Halifax, N.S.
7914	" 9	Leonard Brookes Stedman	4th	Victoria, B.C.	Victoria, B.C.
7915	" 11	Roy Cocker	3rd	Victoria, B.C.	Vancouver, B.C.
7916	" 11	Anthony Chas. Clarke	4th	Vancouver, B.C.	Vancouver, B.C.
7917	" 11	Thos. Mills Dick	3rd	Bunaby, B.C.	Vancouver, B.C.
7918	June 1	Arthur Kitching	4th	Vancouver, B.C.	Vancouver, B.C.
7919	" 1	Jos. Emanuel Seay	4th	S. Vancouver, B.C.	Vancouver, B.C.
7920	" 1	Geo. Thompson Dennis	4th	Vancouver, B.C.	Vancouver, B.C.
7921	" 1	Samuel Jas. Diamond	4th	Vancouver, B.C.	Vancouver, B.C.
7922	" 1	Geo. Johan Langmyhr	4th	Montreal, P.Q.	Montreal, P.Q.
7923	" 1	Chas. Alfred Warry	4th	Charlottetown, P.E.I.	Halifax, N.S.
7924	" 14	Jno. Shields Graham	4th	Victoria, B.C.	Victoria, B.C.
7925	" 14	John Greenwood	4th	Sannich, B.C.	Victoria, B.C.
7926	" 14	Geor. Wm. McKay	1st	New Westminster, B.C.	Victoria, B.C.
7927	" 18	Jno. Henry McCarvill	3rd	Pictou, N.S.	Halifax, N.S.
7928	" 18	Edward Vernon Jones	3rd	Bear River, N.S.	Halifax, N.S.
7929	" 18	Thos. Fred. Dunstaa	4th	Dartmouth, N.S.	Halifax, N.S.
7930	" 23	Daniel Jos. Cogan	3rd	North Sydney, N.S.	Halifax, N.S.
7931	July 4	Thos. Cossar Porteous	2nd U.K.	Montreal, P.Q.	Montreal, P.Q.
7932	" 4	James Reid	2nd U.K.	S. Vancouver, B.C.	Vancouver, B.C.
7933	" 4	Alexander Morrow	2nd U.K.	Vancouver, B.C.	Vancouver, B.C.
7934	" 4	Stafford Hugh Shorto	1st U.K.	Halifax, N.S.	Halifax, N.S.
7935	" 4	Herbert Thos. Cottrell	4th	Vancouver, B.C.	Vancouver, B.C.
7936	" 4	Jos. Wilkins	4th	N. Vancouver, B.C.	Vancouver, B.C.
7936	" 4	Jos. Wilkins	4th	N. Vancouver, B.C.	Vancouver, B.C.
7937	" 9	Walter Litster	3rd	Sarnich, B.C.	Victoria, B.C.
7938	" 9	Andrew McNeaney	4th	Vancouver, B.C.	Vancouver, B.C.
7939	" 17	William Sampson	4th	River Bourgoise, N.S.	Halifax, N.S.
7940	" 17	Walter McWilliams Roberts	4th	Esquimalt, B.C.	Victoria, B.C.
7941	" 17	James Hart	4th	Vancouver, B.C.	Vancouver, B.C.
7942	" 17	Joseph Kelly	4th	Nanaimo, B.C.	Vancouver, B.C.
7943	" 17	Stanley Mathews	4th	Vancouver, B.C.	Vancouver, B.C.
7944	" 20	Donald McDonald	1st U.K.	Sandbank, Argyle	Vancouver, B.C.
7945	Aug. 9	Reginald Gerrard	4th	Victoria, B.C.	Victoria, B.C.
7946	" 15	Hugh Karl Larsen	3rd	Victoria, B.C.	Victoria, B.C.
7947	" 15	Lars Larsen	3rd	Vancouver, B.C.	Vancouver, B.C.
7948	" 15	Edwin Jno. Witteridge	4th	Vancouver, B.C.	Vancouver, B.C.
7949	" 15	John Collins	3rd	Vancouver, B.C.	Vancouver, B.C.
7950	Sept. 5	George Sargent	4th	Victoria, B.C.	Victoria, B.C.
7951	" 8	Arnaud Fenwick Lovely	4th	Vancouver, B.C.	Victoria, B.C.
7952	" 13	Walter Dinsmore Bars	2nd	Guysboro, N.S.	Halifax, N.S.
7953	" 13	Clarence Roy Riley	4th	Hantsport, N.S.	Halifax, N.S.
6954	" 13	Jos. Solomon Ed. Ransom	3rd	Louisburg, N.S.	Halifax, N.S.
7955	" 13	Thos. Froullock	3rd	Victoria, B.C.	Victoria, B.C.
7956	" 28	George Coull	4th	Edmonton, Alta.	Edmonton, Alta.
7957	" 28	William Sauvageau	4th	Champlain, P.Q.	Montreal, P.Q.
7958	" 28	Ernest Clifford Tetlock	3rd	Vancouver, B.C.	Vancouver, B.C.
7959	" 28	George Harris	4th	Vancouver, B.C.	Vancouver, B.C.
7960	" 28	Robert Smith	3rd	Vancouver, B.C.	Vancouver, B.C.
7961	" 28	Wm. Richard Duncan	4th	Vancouver, B.C.	Vancouver, B.C.
7962	" 28	Budd Millidge Riley	4th	Hantsport, N.S.	Halifax, N.S.
7963	Oct. 1	Chas. Ernest Fahie	4th	East Ship Harbour, N.S.	Halifax, N.S.
7964	" 1	Ulric Robidoux	4th	Yamaska, P.Q.	Montreal, P.Q.
7965	" 1	Jos. Romeo Hamelin	4th	Champlain, P.Q.	Montreal, P.Q.
7966	" 1	Gavin Williamsoa Noonan	4th	Pictou, N.S.	Halifax, N.S.

SESSIONAL PAPER No. 23

TABLE VIII—Continued.—TABLEAU VIII—Suite.

No. of Certificate.	Date of Certificate.	Name.	Class.	Address.	Place of Examination.
Nos. des certificats.	Date des Certificats.	Noms.	Classes.	Adresses.	Localité où l'examen a été passé.
1917.					
7967	Oct. 11	Henry Bowser Haswell	4th	N. Vancouver, B.C.	Victoria, B.C.
7968	" 11	Henry Dent Sealing	4th	Sannich, B.C.	Victoria, B.C.
7969	" 13	John Boner	4th	Vancouver, B.C.	Vancouver, B.C.
7970	" 13	Fortunat Mailhot	3rd	Montreal, P.Q.	Montreal, P.Q.
7971	" 13	Thos. Henry Rankin	2nd	Victoria, B.C.	Victoria, B.C.
7972	" 13	Fred Samuel Colwell	4th	St. John, N.B.	St. John, N.B.
7973	" 20	Jos. John Raoul Lafleur	th4	Montreal, P.Q.	Montreal, P.Q.
7974	" 20	Arthur Goulet	4th	Lanoraie, P.Q.	Montreal, P.Q.
7975	" 22	Alexander Nantais	4th	Windsor, Ont.	Windsor, Ont.
7976	" 30	Nelson George Shadden	4th	Victoria, B.C.	Victoria, B.C.
7977	" 30	Ujio Moriyama	4th	Victoria, B.C.	Victoria, B.C.
7978	" 30	Ralph Cecil Pitt	4th	St. John, N.B.	Quebec, P.Q.
7979	Nov. 7	Thos. McInerney Anderson	3rd	Mulgrave, N.S.	Halifax, N.S.
7980	" 7	Thos. Henry Anzell	2nd	Montreal, P.Q.	Montreal, P.Q.
7981	" 15	Wm. Frank Merrick	4th	Vancouver, B.C.	Vancouver, B.C.
7982	" 15	Daniel Wm. Matheson	4th	New Westminster	Vancouver, B.C.
7983	" 15	Harvey Rowland Howe	4th	Victoria, B.C.	Victoria, B.C.
7984	" 15	James Brice	3rd	Vancouver, B.C.	Victoria, B.C.
7985	" 15	Hugh Patrick Troland	2nd	Prince Rupert, B.C.	Prince Rupert
7986	" 15	Eric Geo. Philip Hopkins	2nd	Hopkins Landing, B.C.	Vancouver, B.C.
7987	" 16	John Thos. Mather	3rd	Halifax, N.S.	Halifax, N.S.
7988	" 16	John Fraser	4th	Vancouver, B.C.	Vancouver, B.C.
7989	" 20	Robt. Lindsay Campbell	1st U.K.	Higher Broughton Manchester, Eng.	Halifax, N.S.
7990	" 23	Wm. David McCann	4th	Montreal, P.Q.	Montreal, P.Q.
7991	" 23	Philip Alexander Watson	3rd	Patrol Vessel 4 H.M. Dock-yard	Halifax, N.S.
7992	" 23	Harold Bedford Eastwood	1st U.K.	New Glasgow, N.S.	Halifax, N.S.
7993	" 23	Adelmo Bernard	4th	Carleton, P.Q.	Quebec, P.Q.
7994	" 23	George Scott Brown	3rd	St. John, N.B.	St. John, N.B.
7995	" 23	Joseph Louis Gauthier	4th	Montreal, P.Q.	Montreal, P.Q.
7996	" 29	Thos. Edward Kennedy	4th	Ft. William, Ont.	Pt. Arthur, Ont.
7997	Dec. 6	Wilfried Laurie Crowley	4th	Pietou, N.S.	Halifax, N.S.
7998	" 10	Jno. Austin McKenzie	2nd	St. John, N.B.	St. John, N.B.
7999	" 13	Matt. Gladstone Jensen	4th	Nanaimo, B.C.	Vancouver, B.C.
8000	" 14	Albert Gouin	4th	Champlain, P.Q.	Montreal, P.Q.
8001	" 14	Alfred Geo. Henry Mattinson	4th	S. Vancouver, B.C.	Vancouver, B.C.
8002	" 14	Harve, Johnston	4th	Montreal, P.Q.	Montreal, P.Q.
8003	" 19	Albert Morinville	3rd	Ste. Anne de Bellevue, P.Q.	Montreal, P.Q.
8004	" 21	Herbert Eleyse Russell Brittain	4th	Toronto, Ont.	Toronto, Ont.
8005	" 21	Mathias Jno. LaChapelle	4th	Midland, Ont.	Toronto, Ont.
8006	" 21	Ernest Alf. Sauvageau	4th	Champlain, P.Q.	Montreal, P.Q.
8007	" 21	Alphonse Beaudoin	4th	Sorel, P.Q.	Sorel, P.Q.
8008	" 22	Thos. Fugere	3rd	Champlain, P.Q.	Montreal, P.Q.
8009	" 22	David Geo. Donovan	3rd	Brookville, Ont.	Kingston, Ont.
8010	" 22	Louis Morinville	4th	Champlain, P.Q.	Sorel, P.Q.
1918					
8011	Jan. 9	Philippe Tavera	4th	Bienville, P.Q.	Sorel, P.Q.
8012	" 9	Onesime Carignan	4th	Champlain, P.Q.	Sorel, P.Q.
8013	" 9	Gregoire Brabant	3rd	Cascades Pt.	Montreal, P.Q.
8014	" 9	Ernest Legrand	4th	St. Joseph de Levis, P.Q.	Quebec, P.Q.
8015	" 9	Jno. Wm. Wearmouth	4th	Victoria, B.C.	Victoria, B.C.
8016	" 11	Sinai Geo. Brown Reid	4th	Toronto, Ont.	Toronto, Ont.
8017	" 12	Peter Jos. Rouleau	3rd	Mattawa, Ont.	Montreal, P.Q.
8018	" 12	Wm. Dennis	3rd	Victoria, B.C.	Victoria, B.C.
8019	" 12	Thos. Salmon	4th	Victoria, B.C.	Victoria, B.C.
8020	" 12	Henry Parker	4th	Victoria, B.C.	Victoria, B.C.
8021	" 15	Adelard Lesperance	4th	Sorel, P.Q.	Sorel, P.Q.
8022	" 16	Jos. Alex. Snyder	4th	Sandwich, Ont.	Toronto, Ont.
8023	" 16	Henri Lemieux	4th	Maisonneuve	Montreal, P.Q.
8024	" 16	Thos. Hebert	4th	Champlain, P.Q.	Montreal, P.Q.
8025	" 17	Thos. Edward Hurl	2nd	Midland, Ont.	Toronto, Ont.
8026	" 17	Alexandre Godin	4th	Ile St. Ignace de Loyola, P.Q.	Sorel, P.Q.
8027	" 17	Alexander Davies	4th	Vancouver, B.C.	Vancouver, B.C.
8028	" 17	Jno. Robt. Muir	3rd	Goderich, Ont.	Toronto, Ont.
8029	" 17	Oliver Sherberg	4th	Vancouver, B.C.	Vancouver, B.C.
8030	" 17	Ernest Jno. Nicholls	4th	Okanagan Falls	Victoria, B.C.
8031	" 25	Barthelemi Bouret	4th	St. Antoine, P.Q.	Montreal, P.Q.
8032	" 26	Jno. Raymond Martell	4th	Louisburg, N.S.	Halifax, N.S.
8033	" 26	Francis Roche	4th	St. Croix, P.Q.	Quebec, P.Q.
8034	" 26	Sinclair Munro McDougall	2nd	Victoria, B.C.	Victoria, B.C.
8035	Feb. 4	Robt. Edward Pilsworth	3rd	Toronto, Ont.	Toronto, Ont.

TABLE VIII—*Concluded.*—TABLEAU VIII—*Fin.*

No. of Certificate. — Nos des certificats.	Date of Certificate. — Date des Certificats.	Name. — Noms.	Class. — Classes.	Address. — Adresses.	Place of Examination. — Localité où l'examen a été passé.
1918.					
8036	Feb. 4	Louis Kaufman Malcolm	4th	Toronto, Ont.	Toronto, Ont.
8037	" 14	Frank Cameron Lancaster	2nd	Sarnia, Ont.	Toronto, Ont.
8038	" 15	Isban Allen Clark	4th	Little Current	Toronto, Ont.
8039	" 15	Harry Myers	4th	Morrisburg, Ont.	Kingston, Ont.
8040	" 16	Jonathan Vipond	4th	Victoria, B.C.	Victoria, B.C.
8041	" 16	Bernardin Daigle	2nd	Montreal, P.Q.	Montreal, P.Q.
8042	" 16	Albert Theriault	1st	Montreal, P.Q.	Montreal, P.Q.
8043	" 16	Albert Bibeau	4th	Montreal, P.Q.	Montreal, P.Q.
8044	" 22	Frank Tousignant	4th	Kingston, Ont.	Kingston, Ont.
8045	" 22	Ernest Desnoyer	4th	Sorel, P.Q.	Sorel, P.Q.
8046	" 22	Percy Roy Davis	3rd	St. John, N.B.	St. John, N.B.
8047	" 22	Herbert Chas. Small	4th	Grand Manan, N.B.	St. John, N.B.
8048	" 22	Wm. Leslie Hurder	2nd	St. John, N.B.	St. John, N.B.
8049	" 22	Wm. Jno. Seigman	4th	Hanover, Ont.	Collingwood
8050	" 22	Jas. Wm. Durran	4th	Prince Rupert	Prince Rupert, B.C.
8051	" 22	Art. Byron Flewelling	3rd	St. John, N.B.	St. John, N.B.
8052	" 22	Peter Jno. Brimacombe	4th	Pelee Isl., Ont.	Toronto, Ont.
8053	" 22	George Baker	2nd	Montreal, P.Q.	Montreal, P.Q.
8054	" 22	Thos. Fred Dunstan	3rd	Dartmouth, N.S.	Halifax, N.S.
8055	" 22	Wallace Earl Springer	3rd	St. John, N.B.	Halifax, N.S.
8056	" 22	Leon Slavai	3rd	Sorel, P.Q.	Sorel, P.Q.
8057	" 22	Elphege Lanneville	3rd	Sorel, P.Q.	Sorel, P.Q.
8058	" 22	Michael Jos. O'Brien	3rd	Elgin, Ont.	Kingston, Ont.
8058	" 22	Henry Cossette	4th	Champlain, P.Q.	Montreal, P.Q.
8060	" 22	Andrew Hastings	4th	Toronto, Ont.	Toronto, Ont.
8061	" 22	Joseph Hastings	4th	Wiarion, Ont.	Toronto, Ont.
8062	" 22	Jas. Henry Croucher	4th	Bracebridge, Ont.	Toronto, Ont.
8063	" 22	Henri Fugere	3rd	Maisonneuve	Montreal, P.Q.
8064	March 8	John Burns	3rd	Sault Ste. Marie	Sault Ste. Marie, Ont.
8065	" 8	Chas. Ethel Harrison	3rd	Sault Ste. Marie	Sault Ste. Marie
8066	" 8	Rokuichi Maiyoko	3rd	Victoria, B.C.	Victoria, B.C.
8067	" 8	Tomejro Naka	4th	Victoria, B.C.	Victoria, B.C.
8068	" 8	Henry Jarvis Harper	4th	Vancouver, B.C.	Vancouver, B.C.
8069	" 8	Alexander Hay	4th	Toronto, Ont.	Toronto, Ont.
8070	" 9	Robin Aitken	1st U.K.	Bermuda	Montreal, P.Q.
8071	" 9	Michael Convey	4th	Quebec, P.Q.	Quebec, P.Q.
8072	" 9	Wellington Selby Evans	3rd	Vancouver, B.C.	Vancouver, B.C.
8073	" 9	Jos. Razeau, Jr.	4th	Portage du Fort	Montreal, P.Q.
8074	" 9	Thos. Hawley Smith	4th	Parrsboro, N.S.	Halifax, N.S.
8075	" 9	Orin DeBrize Millbery	3rd	Advocate Harbour	Halifax, N.S.
8076	" 9	Geo. Alex. Russell	3rd	Pt. Arthur, Ont.	Pt. Arthur, Ont.
8077	" 9	Michael Manner	2nd	Kingston, Ont.	Kingston, Ont.
8078	" 9	Auguste Lecompte, Jr.	3rd	Valleyfield, P.Q.	Montreal, P.Q.
8079	" 9	Frederick Slater	2nd U.K.	Vancouver, B.C.	Vancouver, B.C.
8080	" 9	Wm. Maxwell Saunders	2nd U.K.	H.M.C.S. <i>Niobe</i>	Halifax, N.S.
8081	" 9	Alfred Cote	2nd	Montreal, P.Q.	Montreal, P.Q.
8082	" 11	Louis Hnore Filteau	4th	Levis, P.Q.	Quebec, P.Q.
8083	" 27	Howard McDonald	4th	Pictou, N.S.	Halifax, N.S.
8084	" 9	Henri Fugere	4th	Montreal, P.Q.	Montreal, P.Q.
8085	" 9	Leo Puis LeBlanc	4th	Candlebuck Isl	Halifax, N.S.
8086	" 9	Dugald McColl	4th	Belfast, P.E.I.	Halifax, N.S.
8087	" 9	Abel Guibeau	4th	Montreal, P.Q.	Montreal, P.Q.
8088	" 9	David Henry Lowry	4th	Victoria, B.C.	Victoria, B.C.
8089	" 9	Arthur Weeks	4th	Vernon, B.C.	Victoria, B.C.
8090	" 9	Harold Jas. Pendergast	3rd	Cornwall, Ont.	Kingston, Ont.
8091	" 9	Joseph Denis	3rd	Coteau du Lac	Montreal, P.Q.
8092	" 27	Robt. Averill	3rd	Vancouver, B.C.	Vancouver, B.C.
8093	" 27	Edmond Sinclair Knarston	2nd U.K.	Victoria, B.C.	Victoria, B.C.

SESSIONAL PAPER No. 23

TABLE IX.—List of Certificates granted to Engineers of steamboats during the Fiscal Year ended March 31, 1918.

TEMPORARY CERTIFICATES.

TABLEAU IX.—Liste des certificats accordés aux mécaniciens de bateaux à vapeur durant l'exercice financier terminé le 31 mars 1918.

CERTIFICATS TEMPORAIRES.

No. of Certificate. — Nos des certificats.	Date of Certificate. — Dates des certificats.	Name. — Noms.	Address. — Adresses.	Place of Examination. — Localité où l'examen a été passé.
	1917.			
601	April 2	Albert Edgar Brown	Joyce, B. C.	Vancouver, B. C.
602	" 1	William Harry Taylor	North Vancouver	Vancouver, B. C.
603	" 30	John Porter	Kelowna, B. C.	Victoria, B. C.
604	" 30	Walter McMillan Lambert	Gravenhurst, Ont.	Toronto, Ont.
605	May 2	Theophile Vaillancourt	Fort Coulonge, P. Q.	Ottawa, Ont.
606	" 2	Archibald Brower Gesner	Granville Ferry	Halifax, N. S.
607	" 4	Earl George Ramsey	Vancouver, B. C.	Vancouver, B. C.
608	" 4	James Harold Massey	Vancouver, B. C.	Vancouver, B. C.
609	" 4	Frank Gaudreau	Kenora, Ont.	Kenora, Ont.
610	" 15	Joseph Albert Seguin	Carillon, P. Q.	Montreal, P. Q.
611	" 16	Stanley Cross	Gananoque, Ont.	Kingston, Ont.
612	" 19	Pierce Power	Fort Louisburg, N. S.	Halifax, N. S.
613	" 21	Wilson Smith	Pictou, Ont.	Kingston, Ont.
614	" 21	Bert Campsall	Ottawa, Ont.	Ottawa, Ont.
615	" 26	William Brotherton	Peterboro, Ont.	Kingston, Ont.
616	" 26	Thomas A. Payne	Warsaw, Ont.	Kingston, Ont.
617	" 29	Wm. Joseph Mark	Amherstburg, Ont.	Toronto, Ont.
618	June 14	James H. Laird	Bristol, P. Q.	Sand Point, P. Q.
619	" 14	Wm. George Murray	S. Portage, Lake of Bays, Ont.	Huntsville, Ont.
620	" 14	Newton Kirby Wagg	Midland, Ont.	Midland, Ont.
621	" 14	Andrew Davie	Ponce Coupe, B. C.	Peace River Crossing
622	" 14	Angus McLean	Quyon, P. Q.	Quyon, P. Q.
623	" 14	Frederick M. Young	Young's Point, Ont.	Kingston, Ont.
624	" 14	Chesley Dewitt Colwell	St. John, N. B.	St. John, N. B.
625	" 14	Albert Shaw Ward	Napanee, Ont.	Belleville, Ont.
626	" 14	Egide Girard	St. Fulgence, P. Q.	Chicoutimi, P. Q.
627	" 16	Daniel McKenzie	Pictou, N. S.	Halifax, N. S.
628	" 16	Frederick Herbert Pitt	St. John, N. B.	St. John, N. B.
629	" 18	Wm. George Gratley	Lockeport, N. S.	Halifax, N. S.
630	" 23	William Heintz	Kitchener, Ont.	Gravenhurst, Ont.
631	" 26	Hoomes Kemper Freeman	Prince Rupert, B. C.	Prince Rupert, B. C.
632	" 26	Walter Henry Clement	New Westminster, B. C.	Prince Rupert, B. C.
633	" 26	Reginald Lloyd Newcomb	Prince Rupert, B. C.	Prince Rupert, B. C.
634	" 26	Arthur Neyle Edwards	Vancouver, B. C.	Prince Rupert, B. C.
635	" 26	John Alexander MacKenzie	Gravenhurst, Ont.	Toronto, Ont.
636	" 26	George Thos. Stanton	Port Stanton, Ont.	Toronto, Ont.
637	July 3	Robt. Anderson Robertson	Baysville, Ont.	Birkendale, Ont.
638	" 3	Ernest Price Rochester	Vancouver, B. C.	Vancouver, B. C.
639	" 7	Andrew Brotherston	Peterboro, Ont.	Kingston, Ont.
640	" 7	Andrew Lajeunesse	Peterboro, Ont.	Peterboro, Ont.
641	" 7	John A. Harris	Gore Landing, Ont.	Peterboro, Ont.
642	" 7	John James Coones	Bridgenorth, Ont.	Kingston, Ont.
643	" 7	Roderick Jas. McLennan	Fort Chipewyan, Alta.	Fort Chipewyan, Alta.
644	" 7	Edward Henry Fowel	Hamilton, Ont.	Hamilton, Ont.
645	" 12	Frederick Richard Jancouski	Nanaimo, B. C.	Nanaimo, B. C.
646	" 12	Jacob Allen Kennedy	Burk Falls, Ont.	Toronto, Ont.
647	" 12	Archibald Ennest	Lake of Bays, Ont.	Lake of Bays, Ont.
648	" 13	Alexander Northcott	Sydney, N. S.	Halifax, N. S.
649	" 16	Harold Nystedt	Lac du Bonnet, Man.	Port Arthur, Ont.
650	" 17	Chester Roy Stone	Port Alberni, B. C.	Victoria, B. C.
651	" 20	David Thomas Hall	Arrowhead, B. C.	Victoria, B. C.
652	" 23	Frank W. Pitt	Reeds Point, N. B.	St. John, N. B.
653	" 27	David Pitteathly	Fennelon, Oalls, Ont.	Kingston, Ont.
654	" 27	Benjamin Windsor	Sturgeon Falls, Ont.	Sturgeon Falls, Ont.
655	" 30	Chas. Layton Dupont Sims	Little Current, Ont.	Mamitowaning, Ont.
656	" 30	Harold Alfred Jones	Vancouver, B. C.	Vancouver, B. C.
657	Aug. 9	Joseph Cloutier	Timmins, Ont.	Timmins, Ont.
658	" 9	Robert William Pyne	Vancouver, B. C.	Vancouver, B. C.
659	" 9	Harold Mooring	Atlin, B. C.	Atlin, B. C.
660	" 9	Adoni Paddock Pitt	Reeds Point, N. B.	Gondola Point, N. B.
661	" 15	Archie Rattray	Cross Pointe, P. Q.	Cross Pointe, P. Q.
662	" 16	Charles Lemay	Grandes Piles, P. Q.	Grandes Piles, P. Q.
663	" 16	J. Ernest Desjardins	Richelieu River, P. Q.	Sorel, P. Q.
664	" 16	William Collins	Sturgeon Falls, Ont.	Sturgeon Falls, Ont.
665	" 20	John Draper	St. John, N. B.	St. John, N. B.

TABLE IX—Concluded.—TABLEAU IX—Fin.

No. of Certificate. — Nos des certificats.	Date of Certificate. — Dates des certificats.	Name. — Noms.	Address — Adresses.	Place of Examination. — Localité où l'examen a été passé.
1917.				
666	Aug. 25	Henry Carr Cartmell	New Westminster, B. C.	Vancouver, B. C.
667	" 28	Osius Payette	Buckingham, P. Q.	Buckingham, P. Q.
668	" 25	Daniel Landry	Point Aconia, C. B.	Halifax, N. S.
669	" 28	Joseph Ranger	Greeces Point, P. Q.	Calumet, P. Q.
670	" 29	Dieudonne Laflamme	Masson, P. Q.	Calumet, P. Q.
671	" 29	Treffle Bougie	Valleyfield, P. Q.	Valleyfield, P. Q.
672	" 31	Adelbert Rogers	Yarmouth, N. S.	Halifax, N. S.
673	Sept. 4	Meartin, Mearvel Jeaston	Point aux Baril, P. Q.	Toronto, Ont.
674	" 8	Alexander Baker	Liverpool, N. S.	Halifax, N. S.
675	" 8	Regis John Kelly	Kippawa, P. Q.	Turtle Portage, Ont.
676	" 10	Robert Ambrose Phillips	Mira Gut, C. B.	Halifax, N. S.
677	" 10	John Alfred Swanson	Prince Rupert, B. C.	Prince Rupert, B. C.
678	" 10	Emery Dearduff	Prince George, B. C.	Prince Rupert, B. C.
679	" 19	Joseph Matte	Lac St. Jean, P. Q.	Roberval, P. Q.
680	" 29	David Leroy Stover	Low Bush, Ont.	Low Bush, Ont.
681	Oct. 9	Walter Archibald Dods	Victoria, B. C.	Victoria, B. C.
682	" 22	Frank Krafve	Barrington Passage	Halifax, N. S.
683	" 22	Gordon Fader	Parrsboro, N. S.	Halifax, N. S.
684	" 22	Charles Alfred Warry	Charlottetown, P. E. I.	Summerside, P. E. I.
685	" 22	Alfred Sirois	Trois Pistoles, P. Q.	Trois Pistoles, P. Q.
686	" 22	Hilljeard F. Carefoot	The Pas, Man.	The Pas, Man.
687	" 22	Albert Mouldley	Mission City, B. C.	Mission City, B. C.
688	" 30	Thomas Gagnon, Jr.	Ste. Anne de Chicoutimi	Chicoutimi, P. Q.
689	" 30	Thomas Gagnon, Sr.	Ste. Anne de Chicoutimi	Chicoutimi, P. Q.
690	Nov. 2	Harry Lawson Thompson	West Vancouver, B. C.	Vancouver, B. C.
691	" 5	Thomas Sherman Howe	Victoria, B. C.	Victoria, B. C.
692	" 13	John Boudreault	Newport, P. E. I.	Georgetown, P. E. I.
693	" 15	James Joseph Leonard	St. John, N. B.	St. John, N. B.
694	" 22	Peter Brow	Lake Megantic, P. Q.	Lake Megantic, P. Q.
695	Dec. 6	Ernest Eldon Cameron	Halifax, N. S.	Halifax, N. S.
696	" 15	John Cairns	Smiths Falls, Ont.	Smiths Falls, Ont.
697	" 19	Frederick Lavery	Prescott, Ont.	Prescott, Ont.
1918.				
698	Jan. 10	Thos. Robt. McLay	Nanaimo, B. C.	Victoria, B. C.
699	" 14	Gordon Fader	Halifax, N. S.	Halifax, N. S.
700	" 28	Herbert Goodwin	Yarmouth, N. S.	Halifax, N. S.
701	Feb. 22	Wm. Ambrose Walton	Loring, Ont.	Magnetawan, Ont.
702	Mar. 4	John Grant	Natsqui, B. C.	Vancouver, B. C.
703	" 27	John Chas. Bowden	Ocean Falls, B. C.	Vancouver, B. C.

REPORT
OF THE
POSTMASTER GENERAL

FOR THE
YEAR ENDED MARCH 31
1918

PRINTED BY ORDER OF PARLIAMENT



OTTAWA
J. de LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1919

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc.,
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

I have the honour to forward to Your Excellency the accompanying report of the Post Office Department of the Dominion of Canada, for the year ended March 31, 1918, which is respectfully submitted.

I have the honour to be, sir,

Your Excellency's most obedient servant,

P. E. BLONDIN,

Postmaster General.

POST OFFICE DEPARTMENT,
OTTAWA, November 21, 1918.

CONTENTS

OF THE

Report of the Deputy Postmaster General

FOR THE FISCAL YEAR ENDED MARCH 31, 1918.

General statement concerning expansion of Postal Service.....	7
showing number of post offices established and closed, extension of rural mail delivery, number of offices transacting money order and savings bank business, etc.	
General Financial Statement.....	8 and 9
showing net revenue and expenditure, salaries of outside service (postmasters and staff in city offices, post office inspectors and staff, railway mail service and letter carriers), detailed statements of revenue, deductions, and expenditure, also salaries and allowances to postmasters at all offices which are not placed on the city post office basis.	
Canadian postal notes paid and sold.....	9
British postal orders paid.....	9
Money Order transactions, detailed statements.....	10 to 13
Post Office Savings Bank, detailed statements.....	13 to 15
Railway Mail Service, detailed statements.....	16 to 17
Postage stamps.....	17
Dead Letter Branch transactions.....	17
Report of lost money letters.....	18
Postal Stores, expenditure for printing and stationery.....	18
Government Annuities, detailed statements.....	18 to 19
Accounting Offices, with gross postal revenue of each office:—	
in Province of Ontario.....	21 to 30
“ Quebec.....	30 to 37
“ Nova Scotia.....	37 to 39
“ New Brunswick.....	40 to 41
“ Prince Edward Island.....	41
“ Manitoba.....	41 to 43
“ Saskatchewan.....	44 to 47
“ Alberta.....	47 to 50
“ British Columbia.....	50 to 53
Non-accounting offices, with revenue of each office.....	54 to 101

REPORT
OF THE
DEPUTY POSTMASTER GENERAL
1917-1918.

POST OFFICE DEPARTMENT,
OTTAWA, November 21, 1918.

To the Honourable
PIERRE EDOUARD BLONDIN,
Postmaster General of Canada.

In submitting the following report for the year ended March 31, 1918, I have the honour to remark that although the business of the department did not show a marked growth in any particular branch during that period, the progress throughout was entirely normal and satisfactory.

There were 12,622 post offices in operation in Canada on March 31, 1918, new offices to the number of 216 having been opened during the year. The number of offices closed was 366, the reason for closing in nearly every case having been that the post office was rendered unnecessary owing to the establishment of rural mail delivery routes.

There were 88 additional rural mail delivery routes established during the year, and the number of boxes increased by 8,065.

The total number of rural mail delivery routes in operation on March 31, 1918, was 3,674, and the total number of boxes served was 173,150.

The number of post offices transacting money order business was 4,930, an increase of 120 over the previous year; and the number transacting savings bank business was 1,318, an increase of 6.

The amount of money withdrawn from Post Office Savings Bank accounts, and the number of accounts closed, were greater than in the previous year while a smaller number of new accounts were opened. This is believed to have been due to the fact that the money was used for the purchase of Victory bonds.

The number of accounts remaining open on March 31, 1918, was 125,735, and the balance at the credit of depositors was \$41,283,478.84.

On the recommendation of the Editorial Committee on Governmental Printing, it was decided to omit from this report a considerable portion of the statements hitherto published, showing in detail the business of each separate branch of the department, and to substitute therefor the summarized statements which will be found in the following pages.

I have the honour to be, sir,

Your obedient servant,

R. M. COULTER,
Deputy Postmaster General.

GENERAL FINANCIAL STATEMENT.

The net revenue for the year amounted to \$21,345,394.45 and the expenditure to \$18,046,557.90, increases of \$443,010.02 and \$1,745,979.25, respectively. The surplus of revenue over expenditure for the year was \$3,298,836.55.

The abnormal increase in the expenditure as compared with the last three years was due to the special increases of salary paid to post office employees in the outside service who are paid on the Civil Service basis—that is the postmasters and staffs of city offices, post office inspectors and staffs and employees in the railway mail service, to meet the high cost of living arising out of war conditions. Out of the total increase of \$1,745,979.25 in the expenditure, salary increases amounted to \$1,301,769.75. The salaries of the employees who are paid from parliamentary appropriations are published in detail in the Auditor General's Report (Part S).

The city post offices above referred to are as follows: Brandon, Brantford, Calgary, Charlottetown, Edmonton, Fredericton, Guelph, Halifax, Hamilton, Kingston, Kitchener, London, Montreal, Moosejaw, New Westminster, Ottawa, Peterboro', Quebec, Regina, St. John, Saskatoon, Sherbrooke, Toronto, Vancouver, Victoria, Windsor, Winnipeg.

In addition to the above, letter carrier service was in operation at the following cities or towns: Amherst, Belleville, Brockville, Chatham, Fort William, Galt, Lethbridge, Medicine Hat, Moncton, Niagara Falls, Owen Sound, Port Arthur, Prince Albert, St. Catharines, St. Hyacinthe, St. Thomas, Sarnia, Shawenegan Falls, Stratford, Strathcona, Sydney, Sault Ste. Marie, Trois Rivières.

All letter carriers are paid on the Civil Service basis, irrespective of the standing of the office to which they are attached.

The following statements show in detail the revenue and expenditure for the year:—

REVENUE.

Balance due by postmasters on Revenue Account on March 31, 1917.....	\$	27,161 61
Postage stamps, post cards, etc., sold		23,681,229 82
Postage paid in cash on newspapers		291,539 21
Postage paid in cash on third-class (printed matter)		515,772 55
Rents of letter boxes and drawers		200,054 06
Commission received on Money Orders		891,822 71
Commission received on Postal Notes		134,516 45
Profit in Exchange on British Postal Order business		528 01
Commission received from the United Kingdom on Postal Order business		952 28
Transit charges on correspondence from other countries		664,064 80
Postage on parcels from other countries		330,647 50
Void Money Orders, that is Money Orders issued between January 1 and December 31, 1916, payment of which had not been claimed up to December 31, 1917.		53,032 58
Collections for Rural Mail boxes		36,603 00
Miscellaneous Revenue		19,280 67
	\$	26,847,205 25

DEDUCTIONS.

Salaries, forward allowances, allowances toward rent, fuel and light, compensation on Money Order and Postal Note business and commission on box and drawer rents. .	\$	4,246,735 58
Discount to stamp vendors and Postmasters and compensation to messengers for special delivery of letters.....		169,374 90
Losses by fire, burglary, etc.....		9,102 43
Balance of commission paid to other countries on Money Order business		40,587 98
Loss in Exchange on Money Order business with other countries.....		60,788 75
Transit charges on correspondence to other countries.....		116,687 51
Postage on parcels to other countries		\$31,372 01
Balance due by Postmasters on revenue account on March 31, 1918.....		27,161 61
		5,501,810 77
	\$	21,345,394 48

SESSIONAL PAPER No. 24

EXPENDITURE.

Paid by Cheque from Parliamentary Appropriation.

Conveyance of Mails by land	\$ 4,468,191 15
" railways	3,487,590 37
" steamboats	174,249 92
Making and repairing mail bags, locks, etc.	163,483 80
Total Mail Service expenditure	\$ 8,293,515 24
Salaries paid by cheque	8,784,512 42
Travelling expenses	36,539 57
Manufacturing postage stamps, etc.	149,585 43
Stationery, printing and advertising	337,942 41
Miscellaneous disbursements	267,078 47
Maintenance of the service in the Yukon District	177,384 36
Total	\$ 18,046,557 90

Regarding the item of \$4,246,735.58 shown in the statement above as a deduction from the revenue, it may be explained that this amount is the salaries and allowances paid to postmasters at country offices and at the larger offices that have not been placed on the city post office basis. These postmasters are allowed a percentage of their postal revenue according to the following scale, which went into effect from April 1, 1917, for offices where the revenue does not exceed \$10,000, viz.:—

50 per cent on the revenue up to \$1,000.
25 per cent " from \$1,000 to \$10,000.
A minimum salary of \$60 for offices having a revenue less than \$120.

Postmasters whose revenue exceeds \$10,000 a year are paid according to the following scale, which went into effect on April 1, 1915:—

40 per cent on the postal revenue up to \$500.
25 " from \$500 to \$10,000.
15 " on all revenue over \$10,000.

In addition to these percentages on their revenues, postmasters are paid an allowance for making up and forwarding mails received from other offices equivalent to 10 per cent of the revenue of the dependent offices. A night allowance varying from \$10 to \$100 is also granted postmasters who are required to keep their offices open after 9 p.m. or to open them before 7 a.m. The allowance depends on the time occupied and the amount of work done.

Postmasters whose offices are not located in government buildings or premises leased by the Government are paid a rent allowance, when the revenue exceeds \$100 a year. The minimum rent allowance is \$6.00 for offices having from \$100 to \$200 revenue, and the allowance is increased by a graduated scale according to the revenue.

For the transaction of money order business, postmasters who are paid on the commission basis are allowed 4 cents for each money order issued, and 1 cent for each order paid. One cent is allowed for each postal note sold, but nothing for the payment of postal notes. At offices where Savings Bank business is transacted the postmaster is allowed 27½ cents on each \$100 deposited.

No commissions are paid to postmasters of city offices, whose salaries are fixed by statute.

Postal Notes.—During the year, 6,207,793 postal notes amounting in value to \$12,535,579.19 were paid—increases over the previous year of 28,286 in the number and \$591,719.75 in the value. The revenue derived from the sale of postal notes amounted to \$196,594.38.

British postal orders are paid at the city offices in Canada. The number paid in 1917-18 was 67,846, and the value amounted to \$204,382.37 in Canadian currency. These figures show a decrease as compared with the previous year of 5,006 in the number and \$12,202.73 in the value.

A statement showing the gross postal revenue of each accounting and non-accounting post office in the Dominion will be found at the end of this report.

MONEY ORDER TRANSACTIONS.

The number of money order offices in operation on March 31, 1918, was 4,930, an increase of 120 over the previous year.

The total number of orders issued during the year was 9,919,665, as against 8,698,502 for the previous year. The aggregate value was \$142,959,167.54, as against \$119,695,535.27 for the previous year.

8,011,523 of the orders issued during the year with a value of \$116,764,491.11 were payable in the Dominion of Canada.

1,908,142, with a value of \$26,194,676.43, were payable abroad.

The number of orders issued abroad and payable in Canada was 668,990, with an aggregate value of \$9,385,627.24.

The number of orders issued in Canada on the United States was 1,070,935 and the value \$15,741,314.28.

The number of orders issued in the United States on Canada was 562,558, and the value \$7,591,506.43.

The following statement shows the number and value of Canadian money orders and postal notes paid in the United States:—

	Number Year 1917.	Amount Year 1917.	Number Year 1918.	Amount Year 1918.
Money Orders	908,512	\$12,838,222 11	1,070,935	\$15,741,314 28
Postal Notes	590,407	983,394 79	594,480	1,090,613 90
	1,498,919	\$13,821,616 90	1,665,415	\$16,831,928 18

The average value of money orders issued during the year was \$14.41, and the average commission received from the public was 8.990 cents.

The total receipts from all sources amounted to \$944,855.29, and the total expenditure, including the salaries of the inside service at Ottawa, to \$924,301.65, leaving an excess of receipts over expenditure of \$20,553.64.

The following statement shows the receipts and expenditure for the year ended March 31, 1918:—

RECEIPTS.

Commission from public	\$ 891,822 71
Profit in exchange with other countries	Nil
Void Money Orders issued between 1st January, 1916 and 31st December, 1916	53,032 58
	\$ 944,855 29

EXPENDITURE.

Ottawa Money Order Exchange Office:—		
Permanent clerks	\$ 119,045 76	
Temporary clerks	8,256 94	
Christmas helpers	1,344 25	128,646 95
Approximate cost of clerical force employed at Money Order duties in city offices		125,000 00
Commission paid to postmasters at country offices		344,209 72
Balance of commission paid other countries		40,587 98
Printing and stationery for head office		4,408 78
Loss in exchange with other countries		60,788 75
Financial papers and journals		15 00
Printing, stationery, date stamps, etc., outside service		59,547 41
		\$ 763,264 59
Excess of receipts over expenditure	\$ 181,590 70	
Deducting civil government item for salaries at head office, Ottawa:—		
Permanent clerks	\$ 153,148 92	
Temporary clerks	7,888 14	161,037 06
Net revenue		\$ 20,553 64

*The large increase shown by this item, as compared with 1916-1917, was mainly caused by the advance in cost of paper and printing. Owing to this and increased demand, Books of blank Money Orders and Advices cost \$11,000 more than in the previous year.

SESSIONAL PAPER No. 24

ANALYSIS of the Money Order Business of the Dominion of Canada for the year ended March 31, 1918.

	Number of Orders.	Amount.		Total.	
		\$	cts.	\$	cts.
Total number and amount of Money Orders issued in—					
Ontario.....	3,136,558	40,576,600	80		
Quebec.....	1,110,342	15,669,297	73		
Nova Scotia.....	539,871	7,877,906	54		
New Brunswick.....	264,547	3,966,863	19		
Prince Edward Island.....	43,806	684,849	23		
Manitoba.....	867,968	11,869,795	74		
Saskatchewan.....	1,938,431	31,964,230	67		
Alberta.....	1,259,922	18,399,045	76		
British Columbia.....	748,746	11,671,635	48		
Yukon.....	9,474	248,042	40		
Total number and amount of Money Orders issued.....	9,919,665	142,959,167	51		
Total number and amount of Money Orders paid in—					
Ontario.....	2,595,537	40,013,726	83		
Quebec.....	1,232,482	16,761,172	67		
Nova Scotia.....	235,606	4,432,929	15		
New Brunswick.....	138,946	2,576,596	96		
Prince Edward Island.....	31,999	617,456	23		
Manitoba.....	1,936,761	31,430,518	63		
Saskatchewan.....	1,025,124	15,399,241	84		
Alberta.....	355,988	7,420,506	55		
British Columbia.....	370,261	6,587,919	66		
Yukon.....	1,028	27,782	07		
Total number and amount of Money Orders paid.....	7,923,732	125,267,850	59		
Total amount of Money Orders issued and paid.....				268,227,018	13

EXCHANGE of Money Orders between Dominion of Canada and other Countries for the Years 1916-1917 and 1917-1918 was as follows:—

Name of Country.	Issued in Canada.				Payable in Canada.			
	Number, 1917.	Number, 1918.	Amount, 1917.	Amount, 1918.	Number, 1917.	Number, 1918.	Amount, 1917.	Amount, 1918.
			\$	cts.			\$	cts.
Austria	131	123	1,472 99	1,421 51	53	67	318 89	395 73
Bahamas	2,672	3,521	34,277 17	49,973 49	169	224	3,510 15	2,700 08
Belgium	515	452	6,878 36	10,157 41	963	688	12,516 34	6,042 16
Bermuda	409	422	4,183 74	4,318 45	153	192	1,482 20	1,785 07
British Guiana	837	842	17,400 00	15,777 83	136	124	3,864 13	4,995 06
Denmark	30	11	616 97	153 79	18	18	345 45	404 30
Fiji	20,448	18,083	173,132 67	173,718 17	2,798	2,227	89,608 84	41,893 73
France	158	194	1,643 24	3,200 07	50	30	1,215 58	1,205 14
Germany	1,375	1,718	17,331 20	23,744 11	334	290	3,040 03	2,659 35
Holland	935	989	20,314 99	24,729 23	103	139	745 38	1,675 82
Hong Kong								
Hungary								
Italy	22,738	27,536	752,060 88	1,216,715 11	51	28	5,532 53	429 00
Jamaica	1,034	1,667	11,751 46	20,841 27	115	113	2,086 03	1,613 35
Japan	22,101	28,888	888,963 73	1,482,698 55	429	410	10,781 07	10,373 28
Leeward Islands	788	707	7,920 61	6,026 83	81	114	902 79	1,244 20
Mexico	12,864	13,796	268,071 36	361,947 71	14,677	17,744	126,010 10	157,544 77
Newfoundland	807	836	12,160 07	15,569 59	1,391	1,237	22,281 01	19,512 03
New South Wales	801	745	14,199 01	13,827 46	1,605	1,442	16,786 14	35,887 27
New Zealand	2,459	2,174	67,853 76	57,493 22	2,207	1,41	7,480 71	4,530 94
Norway	2,240	213	2,510 65	3,200 98	401	379	7,162 51	5,439 34
Queensland	99	183	1,441 27	2,697 06	211	163	6,452 85	2,618 19
St. Lucia	220	296	3,769 88	4,724 38	58	62	1,082 41	808 08
St. Vincent	126	90	1,667 13	1,273 11	171	140	2,168 70	1,788 31
South Australia	2,802	2,171	60,491 24	43,420 24	283	183	16,369 37	10,267 94
Sweden	1,590	1,363	24,337 76	24,337 76	107	76	1,833 39	1,165 79
Switzerland	1,195	1,061	1,090 89	1,112 53	81	77	1,146 72	1,984 63
Tasmania	333	399	4,527 75	6,362 69	171	198	1,586 13	1,636 18
Trinidad	731	629	10,283 68	11,061 93	551	470	14,750 58	13,646 06
Union of South Africa	816,279	728,392	7,176,289 59	6,864,578 30	92,070	78,476	1,769,815 20	1,445,621 18
United Kingdom	908,512	1,070,985	12,888,222 11	15,741,314 28	569,936	592,558	7,528,825 04	7,591,506 43
United States	491	463	6,955 52	6,218 65	667	690	10,176 35	8,485 22
Victoria	145	138	2,811 82	2,149 72	329	320	4,713 18	3,776 75
West Australia								
Totals	1,822,865	1,908,142	22,431,573 64	26,191,676 43	688,363	668,990	9,704,609 80	9,385,627 24

*Service suspended 8th August, 1914, on account of war. †Service suspended 18th November, 1914. ‡Including Finland. || Including British Possessions and certain foreign countries between which and Canada there is not a direct exchange of money orders.

SESSIONAL PAPER No. 24

TABLE showing the General Operations of the Money Order System in the Dominion of Canada for the past five years.

Year.	Number of Money Order Offices.	Total Number of Money Orders issued.	Total Amount of Money Orders issued.	Where Payable.		Amount of Orders issued other Countries payable in Canada.	Gross Revenue from Fees on Money Orders, profit on Foreign Exchange, etc.
				In Canada.	In other Countries.		
			\$ cts	\$ cts	\$ cts	\$ cts	\$ cts
1914.....	4,274	7,228,369	109,590,670 12	66,113,221 29	43,357,448 83	9,897,313 39	924,920 53
1915.....	4,499	6,990,813	89,957,996 53	64,723,949 75	25,233,965 78	9,707,382 51	753,681 63
1916.....	4,690	7,161,375	94,469,871 15	75,781,582 14	18,688,289 01	9,858,136 97	672,044 47
1917.....	4,810	8,698,502	119,695,535 27	97,263,961 63	22,431,573 64	9,704,609 80	786,397 52
1918.....	4,930	9,919,665	142,959,167 54	116,764,491 11	26,194,676 43	9,385,627 24	944,855 29

POST OFFICE SAVINGS BANK.

The aggregate balance to the credit of depositors on March 31, 1918, was \$41,283,478.84, a decrease during the year of \$1,298,999.75. The average to the credit of each depositor was \$328.34 as compared with \$315.09 on March 31, 1917.

The new accounts opened during the year were 20,726, and 30,563 accounts were closed, leaving the number open at the close of the year 125,735, or a decrease of 9,407.

The deposits were 162,921 in number, with a total amount of \$11,791,966.66. The average amount of each deposit was \$72.38 as compared with \$58.39 for the previous year.

Repayments numbered 78,259 and amounted to \$14,427,194.11, the average withdrawal being \$184.35 as compared with \$155.40 in the preceding fiscal year.

Special transfers and payments to the Finance Department for Victory Bonds were arranged for depositors by the Branch during the Victory Loan subscription period, to the number of over 2,726, amounting to over \$500,000.

Transfers from the Post Office Savings Bank of the United Kingdom (included in deposits) were 264 and amounted to \$61,712.22. Deposits transferred to the United Kingdom (included in repayments) numbered 39 and amounted to \$11,406.65.

Balances numbering 166, amounting to \$91,649.09 at Wallace, N.S., were transferred to the Post Office Savings Bank from the Dominion Government Savings Bank of the Finance Department.

The interest paid to depositors during the year was \$104,982.44 and the interest accrued and made principal was \$1,139,596.17, making a total of \$1,244,578.61.

The number of offices authorized to transact business increased from 1,312 to 1,318.

Claims to moneys of deceased depositors examined into and finally disposed of numbered 1,089.

Annexed is a tabular statement of the annual operations of the Post Office Savings Bank since its organization in April, 1868.

STATEMENT (in accordance with the Revised Statutes of Canada, 1906, chapter 30, section 16) of the Post Office Savings Bank transactions for the year ended March 31, 1918, and of the total amount due to depositors on that date.

Balance due to depositors on March 31, 1917.....	\$	cts.	Repayments to depositors during the year.....	\$	cts.
Deposits received during the year.....	42,582,478	59	Balance due to depositors on March 31, 1918.....	14,427,194	11
Balances transferred from Dominion Government Savings Bank.....	91,649	09		41,283,478	84
Interest allowed to depositors during the year in accordance with the Statute.....	1,244,578	61			
	55,710,672	95		55,710,672	95

STATEMENT of the Business of the Post Office Savings Bank,

Period.	Number of Post Office Savings Banks at close of period.	Number of deposits received during period.	Total amount of deposits received during period.	Average amount of each deposit received during period.	Amount of depositors' accounts transferred from Dominion Government Savings Banks during period.	Number of withdrawals during period.
			\$ cts	\$ cts	\$ cts.	
Three months ended June 30, 1868.....	81	3,247	212,507 00	65 44		166
Year ended June 30, 1869.....	213	16,653	927,885 00	55 71		4,787
Year ended June 30, 1870.....	226	24,994	1,347,901 00	53 93		9,478
Year ended June 30, 1871.....	230	33,256	1,917,576 00	57 66		15,148
Year ended June 30, 1872.....	235	39,489	2,261,631 00	57 27		20,154
Year ended June 30, 1873.....	239	44,413	2,306,918 00	51 94		23,800
Year ended June 30, 1874.....	266	45,329	2,340,284 00	51 63		25,814
Year ended June 30, 1875.....	268	42,508	1,942,346 00	45 69		25,954
Year ended June 30, 1876.....	279	48,647	1,726,204 00	44 66		24,152
Year ended June 30, 1877.....	287	36,126	1,521,000 00	42 10		22,484
Year ended June 30, 1878.....	295	40,097	1,724,371 00	43 00		21,944
Year ended June 30, 1879.....	297	43,349	1,973,243 00	45 52		23,226
Year ended June 30, 1880.....	297	56,031	2,720,216 00	48 55		26,716
Year ended June 30, 1881.....	304	71,747	4,175,042 00	58 19		28,510
Year ended June 30, 1882.....	308	97,380	6,435,989 00	66 09		35,859
Year ended June 30, 1883.....	330	109,489	6,826,266 00	62 35		45,253
Year ended June 30, 1884.....	343	109,385	6,441,439 00	58 88		56,026
Year ended June 30, 1885.....	355	116,576	7,098,459 00	60 89		59,714
Year ended June 30, 1886.....	392	126,322	7,642,227 00	60 52		62,205
Year ended June 30, 1887.....	415	143,076	8,272,041 00	57 81		65,853
Year ended June 30, 1888.....	433	155,978	7,722,330 00	49 51	217,385 10	78,229
Year ended June 30, 1889.....	463	166,235	7,926,634 00	47 67	1,085,979 72	84,572
Year ended June 30, 1890.....	494	154,678	6,599,896 00	42 67	167,501 53	90,151
Year ended June 30, 1891.....	633	147,672	6,500,372 00	44 02	389,169 28	84,963
Year ended June 30, 1892.....	642	145,423	7,056,002 00	48 52		76,381
Year ended June 30, 1893.....	673	148,868	7,708,888 00	51 78		73,361
Year ended June 30, 1894.....	699	145,960	7,525,286 00	51 55	218,173 60	84,941
Year ended June 30, 1895.....	731	143,685	7,488,028 00	52 11	494,889 23	85,888
Year ended June 30, 1896.....	755	155,308	8,138,947 00	52 37	449,981 61	87,221
Year ended June 30, 1897.....	779	161,151	8,233,000 00	51 02	1,856,474 31	91,398
Year ended June 30, 1898.....	814	179,814	9,183,693 00	51 07	786,868 48	94,532
Year ended June 30, 1899.....	838	174,658	8,310,630 00	47 58		95,090
Year ended June 30, 1900.....	847	201,262	10,448,485 00	51 91	141,171 82	92,713
Year ended June 30, 1901.....	895	212,217	11,091,099 00	52 26		102,083
Year ended June 30, 1902.....	915	219,678	11,382,025 00	51 81	415,507 96	105,946
Year ended June 30, 1903.....	934	231,619	12,060,825 00	52 07		104,393
Year ended June 30, 1904.....	961	235,043	11,739,940 00	49 94		108,237
Year ended June 30, 1905.....	989	223,281	10,508,870 00	47 04	252,773 93	110,157
Year ended June 30, 1906.....	1,011	233,803	10,805,458 00	46 21	539,593 31	105,923
Nine months ended March 31, 1907.....	1,043	186,916	8,803,233 00	47 09	1,216,168 80	79,338
Year ended March 31, 1908.....	1,084	242,386	12,293,544 17	50 71	59,243 71	116,435
Year ended March 31, 1909.....	1,102	199,884	9,415,569 29	47 10		115,048
Year ended March 31, 1910.....	1,133	190,510	8,816,511 71	46 28		96,413
Year ended March 31, 1911.....	1,151	203,196	9,957,016 17	49 00		90,664
Year ended March 31, 1912.....	1,172	225,316	11,054,877 19	49 06	223,831 24	95,829
Year ended March 31, 1913.....	1,212	230,263	11,299,963 88	49 07		96,825
Year ended March 31, 1914.....	1,250	236,260	11,346,459 39	48 02	140,318 65	104,917
Year ended March 31, 1915.....	1,269	183,515	10,154,189 07	55 33		77,985
Year ended March 31, 1916.....	1,289	173,456	8,539,742 07	49 23	295,100 47	68,254
Year ended March 31, 1917.....	1,312	205,050	11,974,434 11	58 39		78,259
Year ended March 31, 1918.....	1,318	162,921	11,791,966 66	72 38	91,649 09	
Total period ended March 31, 1918.....	1,318	7,114,223	365,676,469 71	72 38	9,060,781 83	3,479,915

SESSIONAL PAPER No. 24

Canada, year by year, from April 1, 1868, to March 31, 1918.

Total amount withdrawn during period.	Average amount of each withdrawal during period.	Number of accounts opened during period.	Number of depositors' accounts transferred from Dominion Government Savings Banks during period.	Number of accounts closed during period.	Number of accounts remaining open at close of period.	Interest allowed to Depositors.	Total amount standing to the credit of Open Accounts, inclusive of interest allowed at close of period.	Average amount standing to credit of each Open Account at close of period
\$ cts.	\$ cts.					\$ cts	\$ cts.	\$ cts.
8,857 48	53 35	2,146		44	2,102	939 37	204,588 89	97 33
296,754 35	61 99	9,429		1,319	7,212	21,094 72	856,814 26	118 80
664,655 51	70 11	7,823		2,857	12,178	48,689 08	1,588,848 82	130 41
1,093,438 86	72 10	9,424		4,449	17,153	84,273 08	2,497,259 65	145 59
1,778,565 19	81 33	10,856		6,940	21,059	116,174 55	3,096,500 01	147 04
2,323,299 32	86 91	11,995		9,528	23,526	126,932 88	3,207,051 57	136 32
2,468,643 42	86 04	12,048		10,606	24,968	126,273 31	3,204,965 46	128 36
2,341,979 04	82 88	10,516		11,190	24,294	120,758 06	2,926,090 48	120 44
2,021,457 97	77 11	10,218		10,097	24,415	110,116 08	2,740,952 59	112 27
1,726,082 98	70 49	8,791		9,312	24,074	104,067 86	2,639,937 47	109 60
1,713,658 79	70 55	10,058		8,597	25,535	103,834 29	2,754,484 03	107 87
1,733,448 79	66 07	10,755		8,845	27,445	110,912 56	3,105,190 80	113 14
2,015,813 16	69 89	14,407		10,481	31,365	136,075 47	3,945,669 11	125 80
2,097,389 15	73 56	18,731		10,491	39,605	184,904 81	6,208,226 77	156 75
3,461,619 31	96 53	25,778		13,920	51,463	291,065 07	9,473,661 53	184 08
4,730,995 39	104 54	27,127		17,531	61,059	407,305 17	11,976,237 31	196 13
5,649,611 13	100 84	26,562		20,939	66,682	477,487 64	13,245,552 64	198 63
5,973,031 84	97 01	27,591		20,951	73,322	539,560 51	15,090,540 31	205 81
6,183,470 60	96 40	29,103		21,555	80,870	607,075 37	17,159,372 09	212 18
6,626,067 51	100 62	31,874		22,585	90,159	692,404 57	19,497,750 15	216 26
7,514,071 78	96 05	37,515	723	26,704	101,693	975,639 15	20,689,032 62	203 44
7,532,145 56	89 06	38,049	962	29,581	113,123	841,921 79	23,011,422 57	203 41
8,575,041 98	95 12	32,127	570	33,499	112,321	786,875 37	21,990,653 49	195 78
7,875,977 57	92 67	29,791	1,124	32,006	111,230	734,430 89	21,738,648 09	195 44
7,230,839 14	93 44	28,943		29,368	110,805	734,590 70	22,298,401 65	201 24
6,631,578 97	90 39	29,502		26,032	114,275	777,482 98	24,153,193 66	211 36
7,473,585 46	87 98	29,116	662	27,033	117,020	835,800 34	25,257,868 14	215 84
7,310,291 97	85 41	27,988	1,647	26,037	120,628	876,049 07	26,505,542 47	222 22
7,406,066 13	84 91	30,100	1,959	26,245	126,442	944,524 73	28,932,929 68	228 82
7,656,086 64	83 76	30,236	5,722	26,663	135,737	1,024,511 74	32,380,829 09	238 55
8,853,178 42	93 65	33,722	2,279	29,449	142,289	982,725 62	34,480,937 77	242 47
9,021,862 56	94 88	30,172		30,320	142,141	1,001,899 96	34,771,605 17	144 62
8,903,505 46	96 03	37,596	587	29,337	120,987	1,049,699 27	37,507,455 80	248 41
9,774,694 62	95 75	38,685		32,304	157,368	1,126,952 44	39,950,812 62	253 87
10,617,070 50	100 21	38,886	712	34,205	162,761	1,188,924 83	42,320,209 91	260 01
11,379,756 94	109 01	39,786		35,524	167,023	1,254,048 96	44,255,326 93	264 96
11,883,127 70	109 79	38,925		37,376	168,572	1,309,567 05	45,419,706 28	269 44
12,129,101 23	110 11	35,376	572	39,002	165,518	1,320,511 70	45,367,760 68	274 09
12,324,529 26	115 26	37,681	879	39,536	164,542	1,328,205 78	45,736,488 51	276 75
9,330,766 39	117 35	30,282	3,310	30,849	167,255	1,027,833 83	47,452,957 75	283 66
13,610,865 95	116 89	42,530	279	44,403	165,691	1,369,404 60	47,564,284 28	287 07
13,132,239 00	114 14	31,611		41,507	155,895	1,342,869 64	45,190,484 21	289 88
11,699,649 54	121 35	29,661		36,663	148,893	1,279,011 04	43,586,357 42	292 73
11,470,360 24	126 51	34,639		36,054	147,478	1,257,565 84	42,330,579 19	293 51
12,303,688 13	128 39	38,796	600	38,955	147,919	1,258,164 84	43,563,764 33	294 51
13,389,966 01	138 28	40,120		42,005	146,034	1,255,179 63	42,728,941 83	292 59
13,842,924 98	131 64	41,917	343	44,974	143,320	1,218,491 69	41,591,286 57	290 20
12,925,606 20	123 31	34,506		42,349	135,477	1,175,536 96	39,995,406 40	295 22
9,981,914 13	128 00	27,988	1,050	30,170	134,345	1,160,082 89	40,008,417 70	297 80
10,606,900 87	155 40	29,481		28,684	135,142	1,206,527 65	42,582,478 59	315 09
14,427,194 11	184 35	20,726	166	30,563	125,735	1,244,575 61	41,283,478 84	328 34
371,543,327 17	184 35	1,358,865	26,146	1,250,540	125,735	38,089,554 47	41,283,478 84	328 34

9 GEORGE V, A. 1919

RAILWAY MAIL SERVICE.

STATEMENT showing total salaries of Superintendents, Railway Mail Clerks, Transfer Agents, etc., also the mileage paid Railway Mail Clerks for fiscal year 1917-18, as compared with the amounts paid during the preceding fiscal year, 1916-17.

Year.	Salaries.		Increase.		Mileage.		Increase.	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.
1916-1917	1,394,290	47			344,033	38		
1917-18.....	1,756,925	41	362,634	94	372,305	61	28,272	23

During the fiscal year 1917-18, 121·7 miles of additional railway were utilized for mail purposes, making a total actual track mileage over which mail was carried on March 31, 1918, of 35,221·47.

The following statement shows the details of such additional service:—

Railway.	Terminals.	Distance in Miles.	Service.
Canadian Northern	Grahamdale to Steep Rock	12·	Tri-weekly B.C.
Canadian Northern	Roberval to St. Felicien	18·	Daily except Sunday B.C.
Canadian Northern	Yorkton to Willowbrook	16·	Tri-weekly B.C.
Canadian Pacific	Pakowki to Manyberries	13·2	Semi-weekly B.C.
Canadian Pacific	Vantage to Assiniboia	14·5	Daily except Sunday R.P.O.
Grand Trunk Pacific	St. Louis to Prince Albert	48·	Tri-weekly B.C.
		121·7	

CHANGES IN EXISTING SERVICES.

During the year there have been established the following changes and increases in the frequency of railway mail service:—

Railway.	Terminals.	Distance in Miles.	Particulars.
Canadian Govt. Railway.....	Jacksonboro to Kapuskasing	28·3	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Northern Railway.....	Camrose to Alliance	59·5	B.C. service inc. from Semi to tri-weekly.
Canadian Northern Railway.....	Moosejaw to Avonlea	34·9	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Northern Railway.....	North Battleford to Turtleford	56·	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Northern Railway.....	Saskatoon to Eston	160·7	B.C. service superseded by R.P.O.
Canadian Pacific Railway.....	Coronation to Monitor	41·7	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Pacific Railway.....	Hardisty to Wetaskiwin	12·	Additional B.C. service daily except Sunday.
Canadian Pacific Railway.....	Kerobert to Monitor	74·7	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Pacific Railway.....	Medicine Hat to Suffield	25·8	Additional B.C. service semi-weekly.
Canadian Pacific Railway.....	Moosejaw to Assiniboia	67·4	B.C. service superseded by R.P.O.
Canadian Pacific Railway.....	Moosejaw to Vantage	51·7	B.C. service inc. from tri-weekly to daily, except Sunday.
Canadian Pacific Railway	Tadouac to Trail	1·4	Additional B.C. service weekly.
Canadian Pacific Railway.....	Tramping Lake to Revenue	6·6	B.C. service inc. from semi to tri-weekly.
Grand Trunk Pacific	Wakaw to St. Louis	19·9	B.C. service inc. from semi to tri-weekly.
Quebec Central Railway	St. Camille to Lac Frontier	19·	B.C. service inc. from tri-weekly to daily, except Sunday.

SESSIONAL PAPER No. 24

COMPARATIVE STATEMENT of Railway Mail Service during fiscal years 1916-17 and 1917-18.

Date.	Miles of railway in operation on which mails are carried.	Daily service by postal cars. Distance travelled in miles.	Daily service by baggage cars. Distance travelled in miles.	Total Distance.	
				Daily.	Yearly.
In March, 1918	35,221	69,680	51,133	120,813	37,712,710
" 1917	35,099	69,710	49,997	119,707	37,468,540
	122	* 30	1,136	1,106	241,170

*Decrease.

POSTAGE STAMPS.

The postage stamp issue during the last fiscal year shows a gratifying increase of \$996,568.44 over the previous fiscal year, thus exemplifying the steady progress of the Dominion in trade and population, of which the issue of postage stamps is a fair indication. The figures are as follows:—

Fiscal year 1916-17.....	\$23,174,601.59
Fiscal year 1917-18.....	24,171,170.03

In July, 1917, an issue of Confederation post cards was made, and in September of the same year 3-cent Confederation postage stamps were issued, both being intended to commemorate the Fiftieth Anniversary of Confederation. The post card contained statistics showing the growth of the Dominion since Confederation, while the postage stamp was a miniature reproduction of Robert Harris' well-known painting "The Fathers of Confederation."

DEAD LETTER BRANCH.

The transactions of the Dead Letter Branch of the department during the year ended March 31, 1918, were as follows:—

Number of letters originating in Canada, returned as undelivered (dead):—		
By British Post Office.....	221,589	
By United States Post Office.....	154,195	
By British Colonies and foreign countries.....	8,600	
Books, packets, etc., received from foreign countries.....	44,314	
	<hr/>	428,698
Dead letters, circulars, postal cards, etc., returned from Canadian Post Offices.....	2,083,724	
Dead letters, registered.....	33,222	
Dead letters found to contain value.....	161,204	
Dead letters, circulars, postal cards, etc., sent to the Dead Letter Office for special reasons, such as insufficient address, non-payment of postage, etc.....	1,335,594	
	<hr/>	4,047,442

REPORT OF LOST MONEY LETTERS.

Number of cases in which responsibility for loss was located	85
Number of cases in which responsibility for loss could not be determined.....	18
Number of cases still under enquiry.....	57
Number of insured bank money packages.....	6
Total number of lost money letters, including bank money packages.....	166
Total alleged value of all lost money letters, including bank money packages.....	\$13,793 54
Total alleged value of insured bank money packages for which no indemnity is payable under the postal regulations.....	\$11,386 35
Total alleged value of lost money letters other than bank money packages.....	\$ 2,407 19
Total amount of indemnity paid by department within the limit of indemnity allowed by law.....	\$ 292 42

POSTAL STORES.

Printing and Stationery.

Comparative summary of expenditure for the fiscal year ended March 31, 1917, and the fiscal year ended March 31, 1918:—

Items of Expenditure.	1916-17.	1917-18.	Increase 1917-18.
	\$ cts.	\$ cts.	\$ cts.
Inside Service—			
Printing.....	32,277 00	41,805 05	9,528 05
Stationery.....	18,692 90	22,294 69	3,601 79
Total.....	50,969 90	64,099 74	13,129 84
Increase—Inside Service.....			13,129 84
Outside Service—			
Printing.....	137,282 84	194,832 59	57,549 75
Stationery.....	90,360 85	115,472 70	25,111 85
Total.....	227,643 69	310,305 29	82,661 60
Increase—Outside Service.....			82,661 60
Total Expenditure—Inside and Outside Service.....	278,613 59	374,405 03	
Total Increase—Inside and Outside Service.....			95,791 44

NOTE.—A credit of \$4,609.62 was given this department by the King's Printer for items of printing and stationery procured and paid for through this department, but which were for use in connection with war savings certificates.

The increase shown above is the result of the heavy advances in prices, owing to war conditions, which the Printing Bureau and the Government Stationery Office have had to meet during the year.

GOVERNMENT ANNUITIES.

During the fiscal year ending March 31, 1918, 65 Immediate Annuities and 122 Deferred Annuities, a total of 187 were purchased, aggregating in amount of annuities contracted for \$55,260.56. The amount of purchase money received during the same period was \$335,359.21.

The number of Annuities in force on March 31, 1918, was as follows: Immediate, 853; Deferred, 3,453, a total of 4,306, aggregating in amount of Annuities contracted for \$967,007.53. The amount received on account of the purchase of Annuities from September 1, 1908 to March 31, 1918, exclusive of amounts returned to purchasers, was \$3,649,472.21.

SESSIONAL PAPER No. 24

GOVERNMENT Annuities Fund Statement, March 31, 1918.

ASSETS.	\$ cts.	\$ cts.	LIABILITIES.	\$ cts.	\$ cts.
Fund on March 31, 1917.....	3,066,659 61		Net present value of all out-		
Receipts, 1917-18, less payments	269,346 65		standing contracts.....		3,336,006 26
Fund on March 31, 1918.....		3,336,006 26			
RECEIPTS.			PAYMENTS.		
For Immediate Annuities.....	198,611 62		Annuities paid under Immedi-		
For Deferred Annuities.....	136,747 59		ate contracts.....	212,771 17	
Amount transferred by Govern-			Return of premiums under Plan		
ment to maintain Reserve....	159,007 53		"A" contracts.....	9,681 72	
Total.....		494,366 74	Return of purchase money.....	2,567 20	
			Balance March 31, 1918.....	269,346 65	
			Total.....		494,366 74

VALUATION on March 31, 1918, of Annuity Contracts issued pursuant to the Government Annuities Act.

Description of Contract.	Number.	Amount of Annuities.	Total Value on March 31, 1918, of Annuities purchased.
		\$ cts.	\$ cts.
1. Immediate Annuities.....	563	148,453 52	1,155,425 00
2. Immediate Annuities, guaranteed.....	204	48,391 21	447,464 00
3. Immediate Last Survivor (on 2 lives).....	86	25,525 05	259,947 00
4. Deferred, Plan "A", guaranteed.....	1,143	236,179 23	505,610 12
5. Deferred, Plan "A", guaranteed.....	1,836	375,461 66	503,962 98
6. Deferred, Last Survivor (on 2 lives).....	38	10,375 29	54,082 19
7. Deferred, Plan "B".....	436	122,621 57	409,514 97
Totals.....	4,306	967,007 53	3,336,006 26

R. M. COULTER,
Deputy Postmaster General.

ACCOUNTING OFFICES.

STATEMENT showing the Gross Postal Revenue of Accounting Offices during the year ended March 31, 1918.

PROVINCE OF ONTARIO.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Aberfeldy.....	196 07	Baltimore.....	645 33
Aberfoyle.....	319 11	Bancroft.....	3,850 89
Actinolite.....	350 82	Bannockburn.....	379 35
Acton.....	6,421 48	Barrie.....	25,174 13
Addison.....	257 57	Barrie Field Military Camp.....	1,428 30
Adnaston Station.....	229 87	Barrie Island.....	165 68
Adolphustown.....	218 53	Bar River.....	447 50
Agincourt.....	1,649 88	Barrow Bay.....	237 11
Ahmie Harbour.....	401 07	Barry's Bay.....	1,597 69
Ailsa Craig.....	3,206 25	Bartonville.....	508 74
Alexandria.....	8,745 63	Barwick.....	769 33
Alfred.....	1,487 97	Bath.....	1,723 11
Alfred Station.....	264 77	Batteau.....	230 95
Algoma Mills.....	264 79	Battersea.....	580 20
Algonquin.....	441 88	Bayfield.....	1,491 32
Algonquin Park.....	945 96	Baysville.....	843 83
Allandale.....	5,011 42	Beachburg.....	1,817 96
Allen Park.....	210 97	Beachville.....	1,353 86
Allenford.....	1,649 67	Beamsville.....	7,204 67
Allensville.....	193 22	Beaumaris.....	1,112 30
Allenwood.....	134 48	Beaverton.....	5,529 56
Allisonville.....	170 27	Bedford Mills.....	207 48
Alliston.....	8,006 08	Beechwood.....	278 84
Alma.....	1,044 34	Beeton.....	3,456 46
Almonte.....	9,552 42	Bellfontain.....	252 42
Alton.....	1,899 95	Belgrave.....	1,024 98
Alvinston.....	4,011 02	Belhaven.....	299 77
Ameliasburg.....	344 16	Bellamy's.....	524 08
Amherstburg.....	8,004 23	Belle River.....	1,020 61
Amigari.....	514 74	Belleville.....	48,844 04
Amyot.....	61 50		
Ancaster.....	1,738 30	*Divided as follows:	
Angus.....	3,806 82	Head Office.....	47,216 48
Annan.....	459 70	Belleville Station.....	1,627 56
Anten Mills.....	207 61		
Appin.....	1,513 60	Bell Ewart.....	435 41
Apple Hill.....	1,946 04	Bell's Corners.....	324 96
Appleton.....	828 93	Bellview.....	777 36
Apsley.....	642 07	Belmont.....	2,530 23
Arden.....	1,104 40	Belwood.....	1,476 17
Argyle.....	365 02	Benmiller.....	238 60
Ariss.....	276 12	Berkeley.....	596 93
Arkona.....	1,777 46	Bernie.....	308 84
Arnow.....	249 65	Berwick.....	870 70
Arnprior.....	12,883 97	Bethany.....	1,060 70
Arthur.....	5,199 48	Bexley.....	195 31
Ashburn.....	348 09	Bigwood.....	236 93
Ashton.....	698 09	Billing's Bridge.....	1,038 85
Ashworth.....	150 73	Bimbrooke.....	365 50
Athens.....	4,001 56	Birch Cliff.....	1,081 28
Atherley.....	1,103 85	Biscotasing.....	864 85
Athlone.....	219 80	Bishop's Mills.....	341 24
Atikokan.....	455 83	Bismark.....	337 40
Attercliffe Station.....	550 54	Blackstock.....	898 72
Atwood.....	2,521 80	Blackwater.....	422 14
Auburn.....	1,392 69	Blair.....	553 32
Aultsville.....	1,605 94	Blakeney.....	277 80
Aurora.....	10,767 71	Blenheim.....	6,870 65
Avening.....	300 33	Bleard Valley.....	345 33
Avonmore.....	2,049 92	Blind River.....	5,497 89
Aylmer West.....	13,069 26	Bloomfield.....	2,211 64
Ayr.....	3,755 81	Bluevale.....	1,004 10
Ayton.....	2,120 81	Blyth.....	3,592 26
Baden.....	1,885 14	Blytheswood.....	401 59
Badjeros.....	403 73	Bobcaygeon.....	3,804 15
Bailieboro.....	547 28	Bogor.....	502 05
Bainsville.....	795 76	Bolsover.....	313 15
Bala.....	1,835 69	Bolton.....	3,244 22
Balderson.....	582 36	Bondhead.....	672 21
Ballantrae.....	287 86	Bonfield.....	906 62
Ballinafad.....	192 29	Bornholm.....	383 50
Ballyeroy.....	510 44	Boston Creek.....	546 42
		Boston Creek.....	3,644 10
		Bothwell.....	1,013 35
		Bourget.....	

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$		\$
	cts.		cts.
Bowmanville.....	13,614 92	Carlingford.....	208 65
Bracebridge.....	11,719 71	Carlisle.....	705 58
Bradford.....	5,006 32	Carlsbad Springs.....	592 50
Braeside.....	1,655 98	Carlsruhe.....	300 74
Brampton.....	22,002 30	Carp.....	2,673 13
Branchton.....	602 57	Carrying Place.....	815 22
Brantford.....	*114,661 25	Carterton.....	114 99
*Divided as follows:		Cartier.....	737 58
Head Office.....	110,040 99	Casselman.....	2,071 46
Eagle's Nest.....	2,061 44	Castleford.....	201 46
Farrington Hill.....	277 00	Castleford Station.....	133 98
Grand View.....	1,239 82	Castleton.....	1,230 86
Tutela.....	1,042 09	Catawaqui.....	534 84
Brechin.....	1,832 16	Cathcart.....	303 77
Breslau.....	750 61	Cavan.....	444 19
Bridgeburg.....	14,974 51	Cayuga.....	4,278 04
Bridgenorth.....	416 21	Cedar Dale.....	1,484 31
Bridgen.....	2,851 19	Cedar Springs.....	389 27
Bright.....	1,663 69	Cedar Valley.....	323 47
Brighton.....	5,991 21	Cedarville.....	270 58
Brinson.....	1,099 94	Centralia.....	781 36
Britannia Bay.....	374 80	Centreville.....	353 94
Brockville.....	46,980 74	Ceylon.....	1,067 33
Brodhagen.....	196 31	Chalk River.....	1,035 53
Bronte.....	1,317 60	Chapleau.....	6,700 44
Brookholm.....	539 32	Charing Cross.....	346 54
Brooklin.....	2,228 95	Charlton.....	1,512 82
Brougham.....	379 95	Chatham.....	58,789 12
Brown's Brae.....	145 87	Chatsworth.....	2,538 53
Brownsville.....	1,217 96	Chedoke.....	565 06
Brownton.....	715 57	Chelmsford.....	1,329 82
Brucefield.....	742 12	Cheltenham.....	559 94
Bruce Mines.....	2,979 11	Cherry Valley.....	507 39
Bruce Station.....	262 00	Chesley.....	8,974 89
Brudenell.....	256 75	Chesterville.....	5,733 01
Brule Lake Station.....	248 42	Chippawa.....	1,803 20
Brussels.....	5,352 25	Christy's Lake.....	115 92
Burford.....	2,940 40	Churchill.....	752 88
Burgessville.....	1,316 52	Chute à Blondeau.....	305 39
Burketon Station.....	650 74	City View.....	638 03
Burk's Falls.....	5,626 81	Clandeboye.....	886 13
Burlington.....	7,935 34	Claraday.....	1,131 15
Burndick.....	308 14	Claremont.....	1,596 82
Burnstown.....	340 26	Clarence.....	393 39
Burnt River.....	427 93	Clarence Creek.....	839 65
Burritt's Rapids.....	779 55	Clarendon Station.....	339 18
Byng Inlet.....	2,195 45	Clarke.....	816 27
Cache Bay.....	1,606 82	Clarksburg.....	2,257 34
Caesarea.....	392 78	Clarkson.....	1,523 61
Cainsville.....	817 27	Clarkstown.....	561 27
Caintown.....	253 89	Clayton.....	407 89
Cairo.....	280 32	Clear Creek.....	424 84
Caistor Centre.....	391 52	Clifford.....	2,980 61
Caistorville.....	244 00	Clinton.....	9,832 64
Calabogie.....	1,563 79	Cloyne.....	394 02
Caldwell's Mills.....	316 11	Coatsworth Station.....	615 38
Caledon.....	973 54	Cobalt.....	25,365 97
Caledon East.....	1,223 33	Cobden.....	3,835 84
Caledonia.....	6,472 14	Coboconk.....	1,249 15
Caledonia Springs.....	776 05	Cobourg.....	22,489 53
Callander.....	1,714 41	Cochrane.....	9,377 48
Cambay.....	468 34	Cockburn Island.....	217 73
Camden East.....	1,121 39	Codrington.....	378 93
Cameron.....	548 59	Coe Hill.....	1,424 84
Camilla.....	321 80	Colbeck.....	53 42
Camlachie.....	1,395 78	Colborne.....	5,484 14
Campbellcroft.....	645 07	Cold Springs.....	319 61
Campbellford.....	12,070 56	Coldwater.....	4,948 33
Campbellville.....	1,579 96	Colgan.....	271 90
Camp Borden.....	13,689 90	Collingwood.....	25,301 04
Camp Leaside Military Camp.....	2,178 30	Collin's Bay.....	341 64
Campden.....	335 77	Colpoys Bay.....	11 08
Camp Mohawk Military Camp.....	322 86	Columbus.....	475 62
Canboro.....	694 54	Comber.....	2,233 14
Canfield.....	1,253 61	Combermere.....	604 59
Cannifton.....	437 69	Conestogo.....	523 79
Cannington.....	4,453 32	Coniston.....	2,872 79
Canonto.....	305 66	Conn.....	447 90
Capreol.....	1,071 37	Connaught Station.....	707 69
Cardinal.....	4,761 28	Consecon.....	1,569 67
Carhill.....	1,552 40	Cookstown.....	3,767 29
Carleton Place.....	13,473 45	Cooksville.....	1,266 71

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts.
Copetown	723 34	Dunvegan	650 18
Copleston	245 94	Durham	7,072 04
Copper Cliff	8,393 87	Dutton	4,894 32
Corbetton	699 99	Dwight	471 34
Corbyville	730 34	Eagle River	414 05
Cordova Mines	558 55	Earlton	867 87
Corinth	575 07	Easton's Corners	487 45
Cornwall	27,881 33	Eastview Centre	649 71
Corson's Siding	225 14	Eastwood	282 47
Corunna	905 14	Eauclaire	669 26
Cottam	1,563 37	Echo Bay	951 62
Courtland	1,103 88	Echo Place	723 29
Courtright	2,045 95	Edenvale	137 50
Craighurst	587 55	Edgeley	220 04
Craigmont	116 06	Edwards	392 87
Craigvale	400 64	Eganville	5,544 43
Cranbrook	337 05	Egbert	443 30
Crean Hill Mine	900 81	Eldorado	704 01
Crediton	1,430 57	Elgin	1,884 18
Creemore	3,621 64	Elginburg	323 41
Creighton Mine	3,146 59	Elk Lake	2,131 26
Cresswell	449 91	Elmira	5,764 93
Crookston	346 78	Elmvale	4,339 27
Croton	488 70	Elmwood	1,947 99
Crysler	2,165 19	Elora	6,740 19
Crystal Beach	2,716 98	Elphin	298 43
Cumberland	943 82	Embro	2,680 04
Cumming's Bridge	1,958 31	Embrun	1,421 94
Curran	777 22	Emo	2,092 21
Cutler	1,262 39	Emsdale	1,291 52
Cyrville	373 67	Englehart	3,943 08
Dacre	470 20	Enniskillen	417 67
Dalkeith	1,305 71	Ennismore	335 49
Dartford	387 33	Enterprise	1,690 95
Dashwood	1,161 92	Erieau	492 76
Dean Lake	507 38	Erin	2,266 22
Delaware	810 69	Erindale	446 00
Delhi	4,628 78	Erinsville	438 99
Deloro	1,595 65	Espanola	3,008 89
Delta	1,641 77	Espanola Station	273 71
Demorestville	462 62	Essex	7,759 14
Denbigh	427 83	Ethel	899 45
Denfield	1,234 37	Eugenia	498 97
Depot Harbour	1,490 62	Everett	918 72
Desaulniers	160 94	Everton	224 88
Desbarats	1,274 14	Exeter	6,297 39
Desboro	802 37	Fairbank	484 97
Deseronto	11,426 36	Fairfield East	269 48
Deux Rivieres	453 21	Fair Ground	255 27
Devlin	631 88	Falding	218 38
Dickinson's Landing	345 49	Fall's View	586 80
Dixie	372 72	Farran's Point	728 71
Dobbinton	838 66	Fauquier	349 36
Domville	515 64	Fenella	331 26
Donald	342 61	Fenelon Falls	5,650 25
Doon	319 32	Fenwick	1,573 62
Dorchester Station	1,689 31	Fergus	13,392 83
Dorion	53 07	Fesserton	340 05
Dorion Station	418 39	Feversham	1,108 26
Dornoch	394 61	Field	578 91
Dorset	829 33	Finch	2,501 47
Douglas	1,719 15	Fingal	887 11
Downeyville	288 32	Fisherville	758 41
Downsview	314 06	Fitzroy Harbour	555 50
Drayton	3,806 49	Flesherton	2,357 42
Dresden	6,145 80	Fletcher	814 83
Dromore	390 28	Flinton	937 89
Drumbo	1,503 90	Floradale	262 63
Dryden	5,449 52	Florence	1,337 70
Duart	455 17	Foleyet	1,261 17
Dublin	1,611 71	Folger Station	107 35
Dunbar	305 24	Fonthill	2,190 70
Dunbarton	504 63	Footes Bay	495 82
Dunean	187 12	Ford	7,703 16
Dunchureh	493 79	Fordwich	1,872 01
Dundalk	4,487 60	Forest	6,352 50
Dundas	19,378 04	Forester's Falls	951 67
Dungannon	1,275 15	Formosa	824 09
Dunville	15,463 59	Fort Erie	2,746 73
Dunrobin	422 94	Fort Frances	9,397 14
Dunsford	644 35	Fort Stewart	396 92
Duntroun	637 95		

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts.
Fort William—	*60,957 97	Hamilton— <i>Concluded.</i>	
*Divided as follows:		Sub-Office No. 6.....	2,317 00
Head Office.....	57,856 77	Sub-Office No. 7.....	707 00
Fort William West.....	3,101 20	Sub-Office No. 8.....	5,614 00
Fournier.....	785 42	Sub-Office No. 9.....	2,063 00
Foxboro.....	957 95	Sub-Office No. 10.....	5,125 00
Fox Point.....	392 88	Sub-Office No. 11.....	424 00
Frankford.....	3,535 84	Sub-Office No. 12.....	2,088 91
Franklin.....	212 38	Crown Point.....	8,262 40
Frankville.....	480 01	Homeside.....	527 00
Franz.....	548 01	Mount Hamilton.....	1,995 04
Frazerville.....	345 40	Hamilton Beach.....	512 48
Freelton.....	793 78	Hammond.....	771 94
Freeman.....	1,509 94	Hampton.....	787 29
French River.....	222 35	Hanmer.....	565 16
Fruitland.....	559 03	Hanover.....	12,277 48
Fullarton.....	421 96	Harley.....	407 28
Galetta.....	602 58	Harold.....	520 79
Gallingertown.....	235 49	Harrietsville.....	636 22
Galt.....	56,935 60	Harrington West.....	338 12
Gamebridge.....	828 90	Harrisburg.....	253 66
Gananoque.....	16,261 05	Harrison's Corners.....	294 49
Garson.....	898 99	Harriston.....	10,004 25
Geleit.....	451 49	Harrow.....	3,430 71
Georgetown.....	8,815 37	Harrowsmith.....	1,610 90
Gilford.....	470 84	Hartford.....	238 68
Gilmour.....	474 61	Hartington.....	560 47
Giroux Lake.....	1,144 98	Harwood.....	413 34
Glamis.....	750 03	Hastings.....	3,138 16
Glanworth.....	745 73	Havelock.....	4,237 74
Glasgow Station.....	533 44	Hawkesbury.....	7,849 14
Glen Allan.....	415 78	Hawkestone.....	1,286 48
Glen Buell.....	342 52	Hawkesville.....	269 50
Glencairn.....	592 52	Haysville.....	223 27
Glencoe.....	5,620 27	Hearst.....	1,296 95
Glen Miller.....	195 19	Heaslip.....	431 56
Glen Morris.....	216 02	Heathcote.....	438 38
Glen Robertson.....	1,097 69	Helen Mine.....	328 88
Glen Sandfield.....	593 61	Hensall.....	3,536 33
Glen Williams.....	807 92	Hepworth.....	1,714 03
Goderich.....	17,462 48	Heron Bay.....	169 99
Godfrey.....	575 22	Hesseler.....	11,032 08
Golden Lake.....	784 94	Hickson.....	1,035 69
Goldlands.....	126 43	Highgate.....	2,119 75
Goldstone.....	186 85	Highland Creek.....	288 39
Gooderham.....	615 87	Highland Grove.....	442 84
Goodwood.....	678 17	Hillier.....	995 88
Gordon Bay.....	343 72	Hillsburg.....	1,454 92
Gore Bay.....	3,853 69	Hillsdale.....	758 65
Gore's Landing.....	363 28	Hilton.....	528 91
Gormley.....	876 05	Holland Centre.....	670 66
Gorrie.....	1,772 21	Holland Landing.....	767 13
Goudreau.....	627 86	Holstein.....	1,498 44
Gowanstown.....	641 57	Honeywood.....	581 36
Gowganda.....	1,026 40	Hopeville.....	389 76
Grafton.....	1,555 79	Hornby.....	719 77
Grand Bend.....	690 51	Hornepayne.....	481 98
Grand Valley.....	4,689 28	Horning's Mills.....	982 75
Granton.....	1,529 98	Humber Bay.....	1,417 88
Grassie.....	285 63	Humberstone.....	2,158 93
Gravenhurst.....	6,790 80	Huntsville.....	10,150 66
Greenfield.....	945 32	Hurdman's Bridge.....	726 20
Greensville.....	594 16	Huttonsville.....	643 64
Green Valley.....	516 18	Hyde Park Corner.....	319 67
Greenwood.....	375 79	Hymers.....	467 43
Grimsby.....	11,304 00	Hyndford.....	405 97
Grimsby East.....	1,254 62	Ice Lake.....	154 52
Guelph.....	82,009 63	Ida.....	208 97
Hagersville.....	6,299 84	Ignaac.....	1,146 87
Haileybury.....	15,052 87	Ilberton.....	1,871 41
Haley Station.....	335 26	Indian River.....	610 44
Halliburton.....	2,793 48	Ingersoll.....	22,895 43
Halloway.....	537 52	Inglewood.....	1,543 36
Hallville.....	321 90	Inkerman.....	871 64
Hamilton.....	*493,749 62	Inverkip.....	1,069 63
*Divided as follows:—		Inverary.....	323 83
Head Office.....	360,428 63	Inwood.....	1,639 50
Station B.....	48,297 21	Iona.....	158 26
Sub-Office No. 2.....	1,345 14	Iona Station.....	734 04
Sub-Office No. 3.....	1,271 25	Iron Bridge.....	577 02
Sub-Office No. 4.....	15,964 49	Iron Dale.....	89 32
Sub-Office No. 5.....	7,351 55	Iroquois.....	4,773 27

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
Iroquois Falls	\$ 8,041 45	Larchwood	\$ 257 87
Island Grove	264 37	Larder Lake	11 22
Islington	1,499 36	Latchford	583 28
Ivanhoe	437 52	Latta	267 55
Jackfish	400 65	Laurel	851 14
Jacksonboro	842 74	Laurentian View	344 74
Jackson's Point	838 71	La Vallée	567 25
Jonstville	670 09	Lavant Station	465 66
Jarratt	342 67	Leamington	13,054 68
Jarvis	3,343 03	Lefayvre	704 09
Jasper	1,107 86	Lefroy	1,137 74
Jerseyville	654 66	Lemieux	254 03
Jessopville	394 43	Leonard	285 55
John Island	424 11	Levack	841 87
Jordan	828 46	Lime House	350 50
Jordan Harbour	216 70	Lindsay	30,669 70
Jordan Station	903 46	Linwood	1,553 67
Joyceville	332 95	Lion's Head	1,989 64
Kagawong	831 27	Lisle	808 63
Kakabeka Falls	570 98	Listowel	11,592 62
Kaladar Station	258 82	Little Britain	1,248 71
Kanimistikwia	487 80	Little Current	4,489 46
Kapuskasing	1,849 28	Lloydton	399 13
Kars	661 17	Lochlin	349 39
Katrine Station	398 66	Locust Hill	701 81
Kearney	1,576 95	Lombardy	485 17
Keene	1,174 19	Londesborough	1,671 05
Keewatin	4,542 82	London	*334,851 78
Kelvin	305 25		
Kemble	449 09	*Divided as follows:—	
Kemptville	6,056 79	Head Office	293,951 11
Kenabek	153 18	Sub-Office No. 1	263 54
Kendal	516 93	Sub-Office No. 2	1,493 47
Kenilworth	1,048 46	Sub-Office No. 3	5,496 44
Kenmore	951 12	Sub-Office No. 4	7,559 66
Kenora	25,996 28	Sub-Office No. 5	1,376 00
Kent Bridge	466 37	Sub-Office No. 6	273 09
Kerwood	1,378 15	Sub-Office No. 7	404 00
Keswick	1,156 99	Ealing	2,195 95
Kettleby	434 64	London East	2,220 19
Kilbride	182 07	London Junction	2,220 45
Killaloe Station	2,152 02	London Military Camp	6,911 89
Killarney	475 51	London South	2,899 38
Kilsyth	349 44	London West	859 30
Kilworthly	558 10	St. James Park	6,356 36
Kimberley	497 53	Tamblings Corners	410 09
Kimburn	1,695 56	Long Branch	1,731 67
Kincardine	10,078 38	Longford Mills	2,449 53
King	1,790 27	Longtinville	1 31
Kingsbridge	158 50	Longwood	351 95
Kingsmill	407 88	Lonsdale	378 99
Kingston	*112,780 96	Loretto	288 50
		L'Original	2,024 59
		Loring	751 44
		Lorneville	786 63
		Lowbanks	751 90
		Lucan	3,554 23
		Lucknow	6,681 64
		Lunenburg	470 49
		Lyn	1,669 46
		Lynden	1,310 39
		Lyndhurst	1,363 75
		Lynedoch	491 12
		McAlpine	246 08
		McCool	189 05
		McCrimmon	235 22
		McDonald's Corners	442 69
		McGregor	279 53
		McIntyre	277 05
		McKellar	686 62
		Maberley	854 17
		Macfarlane	416 80
		MacLennan	692 33
		Mae Tier	961 92
		Madawaska	1,245 22
		Madoc	6,646 91
		Magnetawan	1,558 89
		Magpie Mine	339 38
		Maidstone	639 44
		Maitland	429 85
		Malakoff	111 62
		Mallorytown	2,031 43
		Malton	1,072 26
Kingsville	6,824 73		
Kinmount	1,807 07		
Kintore	546 10		
Kippen	620 32		
Kirkfield	1,684 64		
Kirkland Lake	2,724 35		
Kirkton	1,216 74		
Kitchener	78,665 13		
Kleinburg	576 09		
Klock	132 93		
Komoka	1,019 96		
Krugersdorf	167 19		
Lafontaine	328 03		
Lakefield	4,146 37		
Lakeport	783 34		
Lakeside	967 64		
L'Amable	83 21		
Lambeth	1,286 03		
Lambton Mills	1,036 65		
Lanark	3,592 95		
Lancaster	2,743 74		
Langstaff	408 94		
Langton	656 12		
Lansdowne	3,313 87		

9 GEORGE V, A. 1919

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Manchester	223 69	Moulinette.....	582 26
Mandamin.....	397 28	Mountain.....	1,719 93
Manilla.....	476 40	Mountain Grove.....	743 79
Manion.....	169 24	Mount Albert.....	2,004 86
Manitowaning.....	1,524 19	Mount Brydges.....	2,275 43
Manotick.....	1,002 88	Mount Elgin.....	835 14
Mansfield.....	1,050 68	Mount Forest.....	9,996 40
Maple.....	1,454 43	Mount Hope.....	1,019 88
Maple Valley.....	265 05	Mount Joy.....	631 07
Markdale.....	6,032 73	Mount Pleasant.....	166 72
Markham.....	3,584 19	Mowat.....	238 88
Markstay.....	483 83	Muir Kirk.....	795 95
Marksville.....	910 85	Muncey.....	876 61
Marlbank.....	1,030 06	Murillo.....	677 92
Marmion.....	156 46	Myrtle Station.....	548 71
Marmora.....	3,396 42	Nain Centre.....	818 58
Marshville.....	1,321 40	Nanticoke.....	689 63
Martintown.....	2,074 29	Napanee.....	18,658 92
Marysville.....	407 69	Nashville.....	385 09
Massey Station.....	3,418 55	Navan.....	997 30
Matheson Station.....	2,561 06	Nepigon.....	1,036 00
Mattagami Heights.....	204 66	Nesterville.....	817 78
Mattawa.....	3,763 79	Nestleton Station.....	798 62
Maxville.....	3,814 11	Newstadt.....	1,497 53
Maxwell.....	533 30	Newboro.....	1,313 81
Maynooth.....	916 63	Newburgh.....	1,526 12
Meadowvale.....	536 05	Newbury.....	1,534 05
Meaford.....	12,755 31	Newcastle.....	2,339 00
Melancthon.....	357 57	New Dundee.....	871 55
Melbourne.....	1,421 31	New Durham.....	468 34
Melrose.....	311 97	New Germany.....	157 13
Merlin.....	3,773 74	New Hamburg.....	4,890 63
Merrickville.....	4,541 02	Newington.....	1,182 77
Merritton.....	5,238 73	New Liskeard.....	11,096 39
Metcalfe.....	1,406 53	New Lowell.....	1,296 30
Michipicoten Harbour.....	425 94	Newmarket.....	15,610 66
Middleville.....	364 59	Newton.....	685 26
Midhurst.....	285 61	Newton Brook.....	458 38
Midland.....	21,138 88	Newton Robinson.....	323 92
Milberta.....	188 77	New Toronto.....	5,838 32
Mildmay.....	2,728 03	Niagara Falls.....	*61,731 12
Millford.....	490 36	*Divided as follows:—	
Millbank.....	1,105 86	Head Office.....	42,231 71
Mill Bridge.....	218 22	Niagara Falls Centre.....	9,359 59
Millbrook.....	3,709 89	Niagara Falls South.....	8,062 27
Mill Roches.....	2,502 09	Niagara Military Camp.....	2,077 55
Mill Grove.....	429 02	Niagara-on-the-Lake.....	8,662 32
Milliken.....	553 68	Nicholson's Siding.....	660 75
Milton West.....	9,878 79	Nipissing.....	546 72
Milverton.....	4,830 90	Nobel.....	2,264 01
Mimico.....	3,716 99	Nobleton.....	442 77
Mimico Beach.....	1,869 38	Noelville.....	527 34
Minaki.....	588 40	Norland.....	548 11
Mindemoya.....	482 78	Norman.....	501 63
Minden.....	1,537 78	North Augusta.....	1,475 06
Minesing.....	680 89	North Bay.....	37,323 85
Mimett.....	463 20	North Brook.....	424 83
Missanabie.....	174 48	North Cobalt.....	1,719 99
Mitchell.....	8,137 03	Northfield Station.....	1,026 27
Moffat.....	586 25	North Gower.....	1,481 76
Mohawk.....	673 73	North Lancaster.....	418 71
Noira.....	336 44	Northpines.....	639 04
Monckland Station.....	1,269 53	North Port.....	374 77
Mond.....	440 07	Northwood.....	836 60
Monkton.....	2,101 64	Norval.....	956 16
Mono Centre.....	249 50	Norwich.....	6,760 62
Mono Mills.....	345 15	Norwood.....	4,172 70
Mono Road Station.....	881 81	Nottawa.....	735 12
Monteith.....	961 58	Novar.....	894 32
Monticello.....	163 29	Nushka Station.....	334 05
Montreal River.....	139 12	Oakland.....	245 28
Moorefield.....	1,734 80	Oakville.....	13,445 10
Mooretown.....	1,281 38	Oakwood.....	1,703 46
Moose Creek.....	1,931 13	Odessa.....	1,696 38
Morewood.....	1,155 49	O'Donnell.....	443 01
Morganston.....	502 49	Oshweken.....	497 61
Morpoth.....	776 01	Oil City.....	326 12
Morrisburg.....	7,887 20	Oil Springs.....	2,507 61
Morrison.....	393 14	Oranmore.....	2,578 22
Norton.....	249 67	Oronodaga.....	312 26
Moscow.....	676 90	Orangeville.....	10,724 42
Mossley.....	707 64	Orchard.....	85 03

SESSIONAL PAPER No. 24

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Orillia.....	38,593 79	Port Arthur.....	*47,935 15
Orleans.....	274 91	*Divided as follows:—	
Ormond.....	274 05	Head Office.....	45,402 54
Orono.....	2,766 05	Sub-Office No. 2.....	340 00
Oro Station.....	475 36	Sub-Office No. 3.....	1,610 97
Orrville.....	641 27	Sub-Office No. 4.....	342 89
Orton.....	887 54	Sub-Office No. 5.....	235 15
Orivell.....	136 84	Port Burwell.....	2,648 56
Osgoode Station.....	1,550 09	Port Carling.....	2,410 46
Oshawa.....	38,602 34	Port Colborne.....	13,696 55
Osnabruck Centre.....	558 79	Port Credit.....	3,906 75
Ottawa.....	*446,411 50	Port Dalhousie.....	3,374 84
*Divided as follows:—		Port Dover.....	5,742 35
Head Office.....	341,904 81	Port Elgin.....	6,581 99
Sub-Office No. 3.....	1,512 00	Port Elmsley.....	173 95
Sub-Office No. 4.....	9,098 05	Port Hope.....	18,725 48
Sub-Office No. 5.....	2,814 92	Port Lambton.....	1,182 01
Sub-Office No. 6.....	7,872 52	Portland.....	1,217 11
Sub-Office No. 10.....	3,539 81	Port McNicoll.....	2,037 42
Sub-Office No. 15.....	866 00	Port Maitland.....	242 98
Sub-Office No. 17.....	5,063 23	Port Nelson.....	634 04
Bank Street.....	30,581 94	Port Perry.....	5,245 84
Bank Street South.....	8,182 99	Port Robinson.....	1,561 42
Bayswater.....	718 00	Port Rowan.....	3,243 91
Hintonburg.....	3,832 00	Portsmouth.....	1,472 86
LeBreton Flats.....	7,200 41	Port Stanley.....	3,004 49
Mechanicsville.....	45 50	Port Stantons.....	439 79
Mount Sherwood.....	1,159 63	Port Sydney.....	886 18
New Edinburgh.....	1,066 12	Port Whitby.....	558 92
Ottawa East.....	1,979 32	Powassan.....	6,247 83
Ottawa South.....	3,956 27	Prescott.....	10,478 69
Stewarton.....	14,998 28	Preston.....	17,799 22
Otter Lake Station.....	539 44	Pricerville.....	1,708 00
Otterville.....	2,482 40	Princeton.....	1,732 76
Owen Sound.....	44,389 44	Proton Station.....	1,235 08
Oxdrift.....	412 38	Providence Bay.....	709 63
Oxford Centre.....	271 06	Purolin.....	1,112 54
Oxford Mills.....	639 96	Quartz.....	126 88
Oxford Station.....	508 40	Queensborough.....	979 47
Paisley.....	5,369 79	Queenston.....	1,250 60
Pakenham.....	2,290 05	Queensville.....	626 75
Palermo.....	471 92	Rainy River.....	4,235 87
Palgrave.....	577 90	Ramore.....	418 18
Palmer Rapids.....	308 31	Ramsayville.....	320 17
Palmerston.....	6,722 69	Rathburn.....	153 52
Palmyra.....	343 99	Ravenna.....	516 89
Parham.....	583 49	Ravenshoe.....	269 20
Paris.....	16,650 66	Reaboro.....	369 26
Paris Station.....	2,822 72	Rednersville.....	272 97
Park Hill.....	7,178 44	Renfrew.....	29,200 93
Parry Harbour.....	774 04	Riceville.....	577 31
Parry Sound.....	18,418 46	Richard's Landing.....	1,436 15
Pearson.....	173 74	Richmond.....	1,822 20
Pefferlaw.....	797 46	Richmond Hill.....	3,024 29
Pelée Island.....	562 04	Richwood.....	335 94
Pembroke.....	28,550 56	Rideau Ferry.....	245 09
Pendleton.....	741 35	Ridgetown.....	7,698 36
Penetanguishene.....	9,173 37	Ridgeville.....	2,537 32
Perry Station.....	204 37	Ridgeway.....	3,051 49
Perth.....	20,026 92	Ripley.....	3,648 48
Perth Road.....	446 82	River Valley.....	437 92
Petawawa.....	447 62	Riverview.....	394 25
Petawawa Field Camp.....	7,421 38	Roblin.....	605 39
Peterboro.....	92,221 59	Roche's Point.....	462 25
Petersburg.....	405 32	Rockingham.....	248 65
Petrolia.....	13,471 86	Rockland.....	3,221 70
Phelpston.....	719 59	Rocklyn.....	323 42
Philippsville.....	474 05	Rockport.....	337 75
Pickering.....	2,408 26	Rockton.....	287 39
Picton.....	15,890 95	Rockwood.....	2,758 28
Pinewood.....	572 81	Rodney.....	3,821 71
Pinkerton.....	565 55	Rose Corner.....	148 13
Plantagenet.....	1,550 51	Rosemont.....	565 35
Plantagenet Springs.....	219 18	Roseneath.....	1,073 00
Plattsville.....	1,809 89	Roslin.....	425 92
Plevna.....	341 28	Rosseau.....	2,169 40
Plummer.....	117 40	Rossmore.....	375 81
Point Anne.....	608 20	Rosspart.....	514 09
Point Edward.....	1,380 28	Rothsay.....	424 15
Pontypool.....	1,260 29	Ruel.....	425 57
Porcupine.....	318 12	Ruscom Station.....	455 24
Porquis Junction.....	886 05	Russell.....	2,923 02

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Rutherford	554 60	Sombra	1,653 16
Ruthven	1,114 08	Sonya	594 89
Rydal Bank	414 20	Southampton	5,182 53
St. Albert	237 82	South Bay	248 18
St. Anour	442 10	South Cayuga	338 62
St. Andrew's West	359 11	South End	1,217 78
St. Anne de Prescott	307 61	South Indian	805 59
St. Ann's	609 79	South March	378 65
St. Catharines	76,854 40	South Monaghan	342 13
St. Charles	419 61	South Mountain	1,381 84
St. Clements	514 75	South Oshawa	2,607 16
St. Columban	270 13	South Porcupine	6,158 07
St. Davids	1,135 77	South River	3,181 94
St. Eugène	1,571 94	South Woodslee	1,528 94
St. George Brant	3,934 78	Spanish	915 93
St. Isidore de Prescott	794 07	Spanish Mills	513 25
St. Jacobs	1,316 96	Sparrow Lake	375 41
St. Joachim River Ruscom	522 65	Sparta	813 21
St. Mary's	16,982 30	Spencerville	3,100 25
St. Onge	759 59	Sprague	866 16
St. Paschal Babylon	257 74	Spring Brook	627 34
St. Raphael West	418 46	Springfield	2,258 55
St. Thomas	54,871 29	Springford	615 64
St. Williams	1,526 29	Sprucedale	1,355 17
Sandpoint	332 50	Staffa	457 15
Sandwich	5,487 39	Stamford	490 60
Sanitarium	2,588 88	Stanley's Corners	342 14
Sarnia	*51,278 04	Staples	648 46
*Divided as follows:—		Stayner	4,692 24
Head Office	50,177 70	Steeltown	7,275 14
Tunnel	1,100 34	Steeltown West	1,348 81
Sarsfield	307 57	Stella	718 41
Sault Ste. Marie	*54,747 56	Steven'sville	1,523 26
*Divided as follows:—		Stirling	4,832 46
Head Office	48,906 06	Stittsville	1,054 61
Sub-Office No. 1	1,527 71	Stobie Mine	109 71
Sault Ste. Marie, West	4,313 79	Stoco	228 51
Sault Ship Canal	715 81	Stokes Bay	131 77
Scarboro	530 54	Stonecliff	141 84
Scarborough Junction	545 17	Stony Creek	1,857 76
Schomberg	2,279 05	Stony Point	571 53
Schreiber	3,445 63	Stouffville	4,893 74
Schumacher	3,024 74	Stratfordville	862 45
Scotland	1,628 99	Stratford	47,784 01
Seaforth	10,505 58	Stratford Station	8,197 00
Seagrave	652 12	Strathcona	33 51
Searchmont	390 60	Strathroy	12,255 15
Sebright	596 62	Stratton	839 06
Sebringville	1,135 05	Streetsville	2,505 63
Seely's Bay	1,201 48	Stroud	666 06
Seguin Falls	333 68	Sturgeon Falls	7,777 56
Selby	430 40	Sudbury	37,487 12
Selkirk	2,254 34	Sulphide	676 73
Selwood	853 05	Summerstown	229 89
Seymour Bridge	1,276 05	Summerstown Station	437 62
Shakespeare	1,126 07	Sanbury	243 87
Shallow Lake	1,012 01	Sanderland	2,610 45
Shannonville	864 51	Sandridge	2,177 83
Shanty Bay	888 25	Sutton West	2,936 29
Sharbot Lake	1,594 21	Swastika	940 29
Sharon	293 70	Sydenham	2,267 85
Shedden	1,312 79	Tamworth	2,097 53
Shelfield	245 70	Tara	3,824 24
Sherrindah	577 48	Taxistock	4,087 55
Shelburne	7,065 88	Teensies	1,046 99
Sherkston	787 30	Teeswater	4,223 65
Shetham	218 12	Tehkummah	281 76
Shillsville	194 72	Temperanceville	252 04
Silver Centre	241 52	Terra Cotta	323 48
Silverdale Station	411 27	Thamesford	2,295 70
Silverwater	324 93	Thamesville	4,956 83
Simcoe	20,118 41	Theford	2,882 97
Singhampton	691 50	Thessalon	5,637 28
Siox Lookout	2,609 79	Thomasburg	635 08
Sleeman	364 36	Thornbury	3,255 94
Smithdale	183 39	Thornedale	1,892 83
Smithfield	422 76	Thornhill	1,168 96
Smiths Falls	24,368 17	Thornloe	657 45
Smithville	2,940 31	Thornton	1,428 60
Snoky Falls	276 69	Thorold	10,525 03
Smooth Rock Falls	1,941 19	Tieborne	478 25
Snelgrove	306 91	Tilbury	4,929 51

SESSIONAL PAPER No. 24

GROSS POSTAL REVENUE OF ACCOUNTING OFFICES—Continued.

PROVINCE OF ONTARIO—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Tillsonburg.....	15,054 75	Toronto—Concluded.	
Timagami.....	438 63	*Divided as follows:—	
Timmins.....	13,391 89	Sub-Office No. 69.....	1,896 51
Tin Cap.....	362 56	Sub-Office No. 70.....	3,627 78
Diverton.....	1,721 88	Sub-Office No. 71.....	874 43
Toledo.....	717 99	Sub-Office No. 72.....	757 00
Tomiko.....	285 54	Sub-Office No. 77.....	250 00
Tomstown.....	292 73	Sub-Office No. 79.....	1,409 24
Toronto.....	4,137,678 14	Sub-Office No. 101.....	11,429 34
*Divided as follows:—		Sub-Office No. 102.....	4,473 60
Head Office.....	1,987,926 59	Sub-Office No. 103.....	7,492 96
Station B.....	156,274 87	Sub-Office No. 104.....	4,907 27
Station C.....	27,246 07	Sub-Office No. 106.....	2,855 71
Station D.....	68,164 85	Sub-Office No. 107.....	1,491 00
Station E.....	38,077 20	Sub-Office No. 108.....	2,816 00
Station F.....	77,820 60	Sub-Office No. 109.....	7,082 35
Station G.....	40,283 80	Sub-Office No. 110.....	1,424 60
Station H.....	7,726 35	Sub-Office No. 111.....	8,987 88
Station K.....	10,672 28	Sub-Office No. 112.....	2,367 87
Sub-Office X.....	11,963 39	Sub-Office No. 116.....	430,982 00
Sub-Office No. 1.....	12,395 42	Sub-Office No. 116A.....	58,368 00
Sub-Office No. 2.....	4,424 00	Sub-Office No. 117.....	18,208 34
Sub-Office No. 3.....	1,536 83	Sub-Office No. 118.....	4,733 69
Sub-Office No. 4.....	1,506 73	Sub-Office No. 122.....	19,137 61
Sub-Office No. 5.....	2,077 35	Sub-Office No. 125.....	393,817 89
Sub-Office No. 6.....	2,069 19	Sub-Office No. 136.....	3,404 26
Sub-Office No. 7.....	4,411 76	Sub-Office No. 140.....	7,577 80
Sub-Office No. 8.....	589 08	Sub-Office No. 141.....	5,151 04
Sub-Office No. 9.....	2,199 82	Sub-Office No. 157.....	3,435 13
Sub-Office No. 11.....	11,067 16	Sub-Office No. 167.....	2,530 34
Sub-Office No. 12.....	6,126 13	Balmy Beach.....	7,164 98
Sub-Office No. 13.....	194 00	Bathurst St.....	12,573 60
Sub-Office No. 14.....	6,631 71	Bedford Park.....	1,475 94
Sub-Office No. 16.....	28,043 18	Bleeker St.....	7,250 00
Sub-Office No. 17.....	3,747 66	Bloor St.....	11,287 91
Sub-Office No. 18.....	10,631 24	Broadview Ave.....	7,102 46
Sub-Office No. 20.....	16,342 70	Brookton.....	10,473 49
Sub-Office No. 21.....	40,602 04	Carlton St.....	52,726 44
Sub-Office No. 22.....	4,431 76	Clinton St.....	12,275 31
Sub-Office No. 23.....	7,519 89	Coleman.....	3,212 49
Sub-Office No. 24.....	7,468 06	Davisville.....	4,419 06
Sub-Office No. 25.....	8,393 67	Deer Park.....	11,561 43
Sub-Office No. 26.....	5,155 94	Dundas St.....	9,006 23
Sub-Office No. 27.....	4,936 35	Earlscourt.....	2,817 21
Sub-Office No. 29.....	5,070 37	Lee Ave.....	12,214 13
Sub-Office No. 30.....	3,580 98	Mount Dennis.....	13,236 21
Sub-Office No. 31.....	19,005 07	North Toronto.....	12,087 50
Sub-Office No. 32.....	995 20	Pape Ave.....	5,493 41
Sub-Office No. 33.....	3,289 37	Parkdale.....	15,179 59
Sub-Office No. 34.....	11,313 79	Peter St.....	22,639 07
Sub-Office No. 36.....	2,363 06	Queen St. East.....	14,296 97
Sub-Office No. 37.....	7,640 01	Rusholme Road.....	9,634 94
Sub-Office No. 38.....	2,956 40	St. Joseph St.....	8,738 00
Sub-Office No. 39.....	6,669 15	Spadina Ave.....	37,395 93
Sub-Office No. 40.....	6,819 45	Swansea.....	2,750 42
Sub-Office No. 41.....	2,873 29	Todmorden.....	2,254 46
Sub-Office No. 42.....	4,667 49	Wychwood Park.....	6,919 48
Sub-Office No. 43.....	6,159 90	Yorkville.....	18,786 36
Sub-Office No. 44.....	7,270 86	Torrence.....	544 39
Sub-Office No. 45.....	8,835 53	Tory Hill.....	686 92
Sub-Office No. 46.....	14,616 88	Tottenham.....	3,082 72
Sub-Office No. 47.....	2,619 63	Treadwell.....	82 77
Sub-Office No. 48.....	15,880 20	Trenton.....	27,217 46
Sub-Office No. 49.....	6,529 25	Trout Creek.....	1,606 34
Sub-Office No. 50.....	18,987 18	Trout Mills.....	279 01
Sub-Office No. 51.....	16,474 02	Trowbridge.....	236 17
Sub-Office No. 52.....	6,773 30	Troy.....	373 96
Sub-Office No. 53.....	4,492 82	Tupperville.....	797 70
Sub-Office No. 54.....	7,042 60	Turbine.....	261 34
Sub-Office No. 55.....	7,009 66	Tweed.....	6,692 00
Sub-Office No. 56.....	3,091 99	Tyrone.....	383 81
Sub-Office No. 57.....	2,392 54	Udney.....	431 42
Sub-Office No. 58.....	10,433 21	Uffington.....	321 33
Sub-Office No. 59.....	10,981 57	Underwood.....	578 53
Sub-Office No. 60.....	1,415 76	Union.....	428 97
Sub-Office No. 61.....	1,678 16	Unionville.....	1,718 47
Sub-Office No. 62.....	3,822 94	Uno Park.....	372 08
Sub-Office No. 63.....	1,914 56	Uphill.....	175 59
Sub-Office No. 64.....	3,368 88	Uptergrove.....	445 53
Sub-Office No. 66.....	6,358 82	Utopia.....	319 71
Sub-Office No. 67.....	775 20	Utterson.....	959 08
Sub-Office No. 68.....	10,497 69	Uxbridge.....	8,432 69

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ONTARIO—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts.
Vandorf.....	309 65	West Gravenhurst.....	312 40
Vanessa.....	580 58	West Hill.....	1,003 95
Vankleek Hill.....	6,841 58	West Huntingdon.....	198 98
Varna.....	693 70	West Lorne.....	3,399 88
Varney.....	535 79	Westmeath.....	1,081 76
Vars.....	1,187 76	West Montrose.....	333 78
Vasey.....	331 17	Weston.....	12,049 98
Ventnor.....	277 06	Westport.....	3,297 92
Verner.....	1,585 41	Westwood.....	308 33
Vernon.....	673 45	Wheatley.....	3,140 03
Vernonville.....	269 84	Whitby.....	12,577 37
Verona.....	1,243 08	White Church.....	469 46
Victoria Harbour.....	3,271 70	Whitefish.....	328 99
Victoria Mines.....	217 83	White Lake.....	432 93
Victoria Road.....	688 44	White River.....	1,279 18
Vienna.....	880 87	Whitevale.....	500 58
Villanova.....	539 02	Whitney.....	1,375 52
Vineland.....	1,858 17	Wiarton.....	9,029 47
Vineland Station.....	1,067 17	Widdifield Station.....	282 38
Vinemount.....	481 59	Wilberforce.....	515 60
Virginia.....	364 46	Wilkesport.....	473 12
Vittoria.....	947 69	Williamsburg.....	1,643 87
Wabigoon.....	354 25	Williamsford.....	370 20
Wahnapitae.....	179 63	Williamstown.....	1,899 34
Waldemar.....	502 69	Wilno.....	503 46
Waldhof.....	153 89	Wilton.....	368 56
Wales.....	1,831 40	Winchester.....	6,654 18
Walford Station.....	512 34	Winchester Springs.....	384 28
Walkerton.....	10,957 22	Windermere.....	886 00
Walkerville.....	45,159 08	Windham Centre.....	421 27
Wallaceburg.....	11,650 57	Windsor.....	113,400 81
Wallacetown.....	868 93	Wingham.....	11,299 62
Walsh.....	208 26	Winona.....	4,586 61
Walsingham.....	398 13	Winterbourne.....	241 21
Walter's Falls.....	547 06	Woitto.....	172 72
Walton.....	1,099 44	Wolfe Island.....	1,313 82
Wanstead.....	519 87	Woodbridge.....	2,576 65
Wardsville.....	1,448 04	Woodford.....	558 32
Warkworth.....	2,398 86	Woodham.....	686 44
Warminster.....	278 00	Woodlawn.....	494 37
Warren.....	1,458 85	Woodrous.....	251 47
Warsaw.....	1,040 83	Woodstock.....	46,472 22
Warwick.....	270 14	Woodville.....	2,808 11
Washago.....	1,302 88	Wooler.....	747 93
Washburn.....	151 00	Worthington.....	956 95
Waterdown.....	2,051 96	Wroxeter.....	2,582 88
Waterford.....	4,625 79	Wyebridge.....	427 28
Waterloo.....	22,499 46	Wyevale.....	546 74
Watford.....	6,637 95	Wyoming.....	3,131 07
Watson's Corners.....	255 70	Yarker.....	1,075 45
Waubashene.....	2,985 66	York.....	793 05
Waverley.....	269 23	Young's Point.....	424 22
Webbwood.....	2,269 19	Zephyr.....	740 46
Welland.....	41,907 96	Zurich.....	2,215 07
Welland Port.....	1,458 40	Non-Accounting Post Offices.....	187,191 01
Wellesley.....	1,791 04		
Wellington.....	3,520 78		
Wemyss.....	240 16	Less value of Postage Stamps affixed to Postal	
Wendover.....	321 05	Notes.....	8,383 90
Westboro.....	3,222 86		
West Brook.....	208 87		
			9,998,829 70

PROVINCE OF QUEBEC.

Abbotsford.....	963 79	Arundel.....	869 06
Abenakis Springs.....	343 76	Asbestos.....	2,509 37
Abercorn.....	1,338 07	Ascot Corner.....	423 33
Acton Vale.....	2,857 54	Athelstan.....	1,063 99
Adamsville.....	732 45	Aubrey.....	309 54
Adstock.....	402 57	Aurigny.....	110 22
Albanel.....	502 23	Avignon.....	432 50
Amos.....	3,720 73	Ayer's Cliff.....	2,738 06
Amqui.....	3,239 91	Aylmer (East).....	3,001 89
Ancienne Lorette.....	421 63	Aylwin.....	268 25
Ange Gardien de Rouville.....	562 85	Bagotville.....	2,029 98
Angers.....	313 71	Baie Ste. Clair.....	60 45
Armagh.....	994 14	Baie St. Paul.....	2,381 68
Armand.....	432 30	Baillargeon.....	142 54
Arthabaska.....	3,559 09	Barachois de Malbaie.....	1,048 54

SESSIONAL PAPER No. 24

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Barnston.....	545 11	Chapeau.....	927 21
Batiscan.....	933 86	Charlemagne.....	446 76
Beauce Junction.....	1,017 11	Charlesbourg.....	810 00
Beauceville, Est.....	6,119 40	Charny.....	1,272 25
Beauceville, Ouest.....	1,338 50	Charteris.....	1,276 98
Beauharnois.....	3,711 54	Chartierville.....	689 29
Beauport.....	1,064 28	Chateauguay.....	919 87
Beaupré.....	429 44	Chateauguay Basin.....	1,088 08
Beaurivage.....	1,029 43	Chateau Riher.....	469 60
Becancour.....	750 24	Chaudière Curve.....	790 88
Bedford.....	3,624 84	Chelsea.....	355 00
Beebe.....	2,091 38	Chemin Gouin.....	510 52
Beech Grove.....	383 96	Chemin Tach.....	420 19
Belisle's Mills.....	276 91	Chêneville.....	726 06
Bellerive.....	809 50	Chicoutimi.....	11,324 71
Beloil Station.....	1,905 54	Chicoutimi Ouest.....	2,230 62
Beloil Village.....	1,226 75	Clarenceville.....	1,380 64
Bergerville.....	1,112 24	Clarke City.....	702 89
Berthier (en bas).....	422 40	Coaticook.....	9,766 24
Berthier (en haut).....	3,893 94	Como.....	565 01
Bic.....	1,862 13	Compton.....	1,444 84
Bienville.....	1,266 09	Contrecoeur.....	1,024 14
Birchton.....	317 31	Cookshire.....	6,294 07
Bishop's Crossing.....	1,277 50	Coteau du Lac.....	773 86
Black Cape.....	479 85	Coteau Landing.....	597 56
Black Lake.....	2,843 83	Coteau Station.....	1,103 82
Blaisville.....	886 76	Courcelles.....	626 87
Blanche.....	130 20	Cowansville.....	5,105 70
Bleriot.....	704 40	Daaquam.....	1,099 00
Boileau.....	120 60	Dalesville.....	234 38
Bolduc.....	750 43	Dalhousie Station.....	1,571 02
Bolton Centre.....	770 89	Dalibaire.....	325 01
Bonaventure.....	1,354 79	Danville.....	6,118 85
Bon Conseil.....	447 13	Daveluyville.....	567 48
Boucherville.....	1,605 42	Davidson.....	570 48
Bouchette.....	519 44	Delisle.....	701 23
Breakeyville.....	787 64	Delson.....	498 52
Brebeuf.....	202 16	Dequen.....	319 04
Brigham.....	724 08	Deschailions.....	1,853 24
Bristol.....	459 44	Deschambault.....	1,013 51
Brome.....	809 06	Desjardins.....	290 27
Bromptonville.....	2,193 06	Dewittville.....	387 02
Brosseau Station.....	86 56	D'Israeli.....	2,382 49
Broughton Station.....	355 96	Dixville.....	609 81
Brownsburg.....	2,374 63	Dolbeau.....	282 38
Bryson.....	671 22	Donnacona.....	1,625 70
Buckingham.....	6,933 42	Dorval.....	687 29
Buckland.....	247 14	Dorval Station.....	1,638 30
Bulwer.....	452 64	Dosquet.....	308 72
Burbidge.....	595 90	Douglastown.....	749 32
Bury.....	3,025 38	Douville.....	305 31
Cabano.....	2,149 13	Dragon.....	586 74
Cacouna.....	1,340 59	Drummondville East.....	7,183 31
Calumet.....	1,643 63	Duclos.....	149 11
Calumet Island.....	367 50	Dundee.....	1,114 92
Campbell's Bay.....	2,042 86	Dunham.....	1,781 72
Cap à l'Aigle.....	626 46	East Angus.....	4,792 46
Cap Chat.....	1,014 34	East Broughton.....	446 45
Cape Cove.....	665 53	East Broughton Station.....	985 67
Capelton.....	590 82	East Clifton.....	261 38
Caplin River.....	371 76	East Farnham.....	491 76
Cap Magdeleine.....	2,201 86	East Hereford.....	368 86
Cap Rouge.....	626 98	Eastman.....	1,078 60
Cap St. Ignace.....	1,625 64	East Templeton.....	289 37
Cap Santé.....	548 87	Ellis Bay.....	340 15
Carillon.....	303 40	Escuminac.....	277 96
Carleton.....	392 11	Esquimaux Point.....	245 07
Carleton Centre.....	468 47	Étang du Nord.....	203 22
Carrière.....	78 92	Fabre.....	316 55
Cartierville.....	776 88	Farm Point.....	352 43
Cascades.....	241 43	Farnham.....	7,681 03
Cascades Point.....	273 99	Farrelton.....	342 93
Caughnawaga.....	791 73	Fassett.....	1,326 25
Causapscau.....	926 04	Father Point.....	378 66
Causapscau Station.....	712 24	Ferme Neuve.....	716 11
Cedars.....	2,113 10	Fitch Bay.....	551 25
Chaleurs.....	400 88	Fontainebeaur.....	339 12
Chambly.....	1,809 90	Fort Coulonge.....	2,526 65
Chambly Canton.....	2,076 67	Foster.....	1,488 09
Chambord.....	667 31	Fox River.....	701 70
Champlain.....	994 43	Frampton.....	753 72
Chandler.....	3,637 15	Franklin Centre.....	334 84

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Fraserville Centre.....	2,033 98	Lac à la Croix.....	254 18
Frelighsburg.....	1,671 93	Lac à la Tortue.....	376 89
Fulford.....	304 66	Lac au Saumon.....	1,493 85
Gamelin.....	1,043 11	Lac aux Sables.....	414 91
Garneau.....	752 27	Lac aux Sables Station.....	250 97
Garthby Station.....	1,047 25	Lac Bouchette.....	521 48
Gascons.....	576 72	Lac des Écorces.....	339 48
Gaspé.....	2,638 74	Lac des Îles.....	198 13
Gaspé Harbour.....	800 21	Lac Frontière.....	935 63
Gentilly.....	1,099 59	Lachute.....	6,919 40
Georgeville.....	841 34	Lachute Mills.....	1,833 21
Glen Elm.....	930 04	Lac Masson.....	947 89
Glen Iver.....	88 66	Lac Mercier.....	608 57
Gould.....	762 78	Lacolle.....	1,735 17
Gracefield.....	1,326 91	La Conception.....	185 98
Granby.....	12,795 40	Lac Ste. Marie.....	326 75
Grand Caspédia.....	916 29	Ladysmith.....	285 80
Grande Baie.....	996 80	Lake Edward.....	1,300 35
Grande Grève.....	341 42	Lake Etchemin.....	838 17
Grand Ligne.....	622 09	Lake Mégantic.....	5,727 42
Grand Entry.....	122 12	La Macaza.....	406 12
Grandes Bergeronnes.....	497 09	La Malbaie.....	3,921 55
Grandes Piles.....	572 70	Lamartine.....	423 52
Grand'Mère.....	5,190 00	Lambton.....	1,274 86
Grand'Mère Village.....	6,343 71	Langevin.....	1,013 65
Grand Métis.....	298 20	L'Annonciation.....	1,621 71
Grand River.....	1,274 66	Lanoraie.....	715 52
Graniteville.....	302 75	L'Anse à la Louise.....	316 51
Greenlay.....	288 18	L'Anse St. Jean.....	515 17
Grenville.....	2,029 20	La Patrie.....	1,448 99
Griffa Cove.....	287 31	Laprairie.....	2,719 03
Grindstone Island.....	479 26	La Présentation.....	618 06
Grondines.....	493 63	La Sarre.....	1,025 43
Grosse Isle.....	159 06	L'Ascension.....	528 28
Guay.....	1,453 73	L'Assomption.....	3,452 99
Guigues.....	492 89	Laterrière.....	340 70
Ham Nord.....	430 24	La Tortue.....	170 72
Ham Sud.....	497 26	La Trappe.....	1,498 99
Harrington East.....	210 92	La Tuque.....	8,721 69
Hatley.....	831 93	Laurentides.....	1,694 33
Havre Aubert.....	436 03	Laurier.....	274 54
Hébertville.....	948 15	Laurièreville.....	814 59
Hébertville Station.....	2,437 52	Lauzon.....	2,457 84
Hemmingford.....	2,500 00	Lauzon Ouest.....	735 65
Henryville.....	709 58	Lavaltrie.....	339 45
Hervy Junction.....	438 96	L'Avenir.....	595 14
Highwater.....	627 72	La Visitation.....	227 54
Hillhurst.....	303 93	Lawrenceville.....	617 29
Honfleur.....	145 77	Leeds Village.....	848 35
House Harbour.....	171 56	Lemieux.....	403 93
Howick.....	1,698 78	Lennoxville.....	7,184 82
Howick Station.....	650 85	L'Épiphane.....	1,971 47
Huberdeau.....	606 24	Les.....	368 52
Hudson.....	841 04	Les Éboulements.....	582 29
Hudson Heights.....	1,278 31	Les Écurieuls.....	253 54
Hull.....	20,024 22	Les Escoumains.....	695 70
Huntingdon.....	6,650 76	Lévis.....	6,548 90
Iberville.....	2,517 18	Lime Ridge.....	217 69
Île-aux-Noix.....	309 40	Linère.....	1,074 03
Indian Lorette.....	2,065 90	L'Islet.....	1,908 46
Inverness.....	1,654 01	Little Caspédia.....	329 74
Island Brook.....	309 98	Little Métis Beach.....	1,617 87
Île aux Grues.....	268 37	Longueuil.....	3,987 65
Île Verte.....	1,505 08	Loretteville.....	727 93
Johnville.....	386 83	Lorne.....	218 61
Joliette.....	13,222 23	Lorrainville.....	530 72
Jonquière.....	3,879 10	Lorraineville.....	824 39
Kamouraska.....	945 08	Lotbinière.....	3,087 93
Katevale.....	286 65	Louiseville.....	459 26
Kazabazua.....	596 09	Lourdes.....	339 89
Kenogami.....	1,672 50	Low.....	706 25
Kiamika.....	215 92	Luceville.....	374 89
Kildare.....	616 53	Luskville.....	1,604 67
Kingsbury.....	819 99	Lyster Station.....	146 06
Kingsley Falls.....	639 16	McKee.....	3,307 42
Kinnear's Mills.....	280 44	Macdonald College.....	503 33
Kippewa.....	717 73	Mad'gington Falls.....	7,687 35
Knowlton.....	5,056 39	Magog.....	1,062 22
La Baie.....	1,491 30	Makamuk.....	315 86
La Baie Shawenegan.....	637 93	Mandeville.....	1,635 22
Labelle.....	1,651 25	Maniwaki.....	484 23
L'Acadie.....	340 39	Manouan.....	864 86
		Manseau.....	

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Mansonville.....	1,775 90	Montreal—Concluded.	
Marbleton.....	780 43	*Divided as follows—	
Maria.....	659 69	Sub-Office No. 69.....	380 23
Marieville.....	2,383 17	Sub-Office No. 72.....	4,538 22
Marion Station.....	154 95	Sub-Office No. 73.....	4,811 38
Martinville.....	368 05	Sub-Office No. 75.....	3,622 29
Maryland.....	366 82	Sub-Office No. 77.....	11,299 65
Mascouche.....	1,011 72	Sub-Office No. 83.....	4,397 93
Masham Mills.....	366 14	Sub-Office No. 85.....	1,517 06
Massawippi.....	456 05	Sub-Office No. 86.....	704 24
Masson.....	854 97	Sub-Office No. 93.....	4,341 33
Mastai.....	0 00	Sub-Office No. 94.....	91 00
Matane.....	3,644 89	Sub-Office No. 95.....	8,185 23
Matapedia.....	1,664 93	Sub-Office No. 96.....	3,809 63
Melbourne.....	871 14	Sub-Office No. 97.....	4,126 60
Metabetchouan.....	1,699 78	Sub-Office No. 98.....	6,500 38
Milan.....	595 67	Sub-Office No. 99.....	1,430 00
Mille Isles.....	120 77	Sub-Office No. 101.....	324 00
Minerve.....	247 46	Sub-Office No. 102.....	1,197 22
Mistassini.....	404 08	Sub-Office No. 103.....	8,885 60
Montauban.....	1,061 70	Sub-Office No. 104.....	2,552 45
Montauban-les-Mines.....	296 38	Sub-Office No. 105.....	3,778 00
Mont Carmel.....	440 07	Sub-Office No. 106.....	4,876 23
Montcerf.....	624 85	Sub-Office No. 107.....	2,465 39
Monte Bello.....	1,602 09	Sub-Office No. 108.....	966 71
Montfort.....	357 95	Sub-Office No. 109.....	445 65
Mont Joli.....	5,010 79	Ahuntsic.....	624 00
Mont Laurier.....	3,437 48	Beaudoin St.....	2,430 00
Montmagny.....	7,374 14	Bordeaux.....	180 00
Montmagny Station.....	3,075 21	Chaboillez Square.....	12,128 96
Montmorency Village.....	1,978 78	Côte des Neiges Ouest.....	187 33
Montpelier.....	334 07	Côte St. Louis.....	2,858 71
Montreal.....	*2,353,045 65	Côte St. Michel.....	192 00
*Divided as follows—		Côte Visitation.....	584 00
Head Office.....	1,399,449 44	Delorimier Postal Station.....	3,762 26
Station A.....	42,879 00	Dominion.....	1,357 61
Station B.....	183,655 56	Greenfield Park.....	332 30
Station C.....	32,129 12	Hochelaga.....	6,880 88
Station D.....	12,012 53	Lachine.....	7,042 90
Station E.....	27,563 74	Lachine Locks.....	9,988 72
Station F.....	11,779 14	Leduc.....	2,297 00
Station H.....	75,868 24	Long Point.....	2,221 38
Station M.....	7,492 94	Montreal South.....	245 70
Station N.....	26,883 48	Montreal West.....	4,036 79
Station O.....	3,888 52	Notre Dame de Grace.....	1,583 82
Station S.....	4,829 15	Notre Dame des Victoires.....	569 76
Sub-Office No. 15.....	2,547 99	Ontario St. Centre.....	8,601 66
Sub-Office No. 16.....	5,142 50	Ontario St. East.....	4,829 18
Sub-Office No. 17.....	3,335 31	Parc Lafontaine.....	450 90
Sub-Office No. 18.....	2,343 59	Park Avenue.....	13,181 35
Sub-Office No. 19.....	20,219 20	Park Avenue Extension.....	1,229 78
Sub-Office No. 20.....	7,221 05	Roy St.....	359 40
Sub-Office No. 21.....	7,911 84	St. Catherine St. West.....	9,415 50
Sub-Office No. 22.....	1,661 21	St. Cunegonde.....	12,627 80
Sub-Office No. 23.....	6,140 45	St. Denis St.....	283 19
Sub-Office No. 26.....	4,014 41	St. Henri de Montreal.....	24,417 12
Sub-Office No. 27.....	10,672 61	St. Jean Baptiste de Montreal.....	6,402 89
Sub-Office No. 31.....	2,706 31	St. Jean de la Croix.....	4,400 75
Sub-Office No. 33.....	3,297 00	St. Lawrence St. Centre.....	12,929 81
Sub-Office No. 35.....	8,240 63	St. Louis Square.....	3,884 96
Sub-Office No. 37.....	6,855 49	St. Paul.....	5,823 90
Sub-Office No. 38.....	4,957 37	Sault au Recollet.....	906 16
Sub-Office No. 39.....	15,199 86	Tetrequenville.....	916 30
Sub-Office No. 41.....	3,269 00	Verdun.....	11,942 79
Sub-Office No. 42.....	6,054 38	Victoria Ave.....	18,666 24
Sub-Office No. 43.....	2,439 73	Villeneuve.....	4,532 21
Sub-Office No. 44.....	1,244 90	Villeray.....	1,636 44
Sub-Office No. 46.....	20,461 31	Youville.....	693 00
Sub-Office No. 47.....	15,827 17	Mont Rolland.....	752 77
Sub-Office No. 48.....	3,123 34	Monument.....	294 67
Sub-Office No. 49.....	1,414 76	Morin Heights.....	840 14
Sub-Office No. 50.....	3,834 05	Mount Johnston.....	368 61
Sub-Office No. 51.....	8,705 84	Mousseauville.....	145 31
Sub-Office No. 54.....	16,483 80	Mystic.....	340 89
Sub-Office No. 56.....	367 83	Namur.....	395 64
Sub-Office No. 58.....	6,800 60	Napierville.....	1,027 95
Sub-Office No. 60.....	1,437 00	Neilsonville.....	1,078 95
Sub-Office No. 61.....	1,637 00	Neubois.....	399 92
Sub-Office No. 64.....	4,485 07	Neuville.....	752 26
Sub-Office No. 65.....	11,047 34	New Carlisle.....	3,840 05
Sub-Office No. 66.....	7,393 95	New Glasgow.....	697 65
Sub-Office No. 68.....	1,180 00	New Liverpool.....	253 25

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Newport Centre.....	326 50	Quebec—	
Newport Point.....	239 66	*Divided as follows—	
New Richmond.....	1,395 61	Faubourg St. Jean-Baptiste.....	28,634 68
New Richmond Station.....	867 27	Lairet.....	689 00
Nicolet.....	4,873 11	Limoilou.....	2,560 25
Nomingue.....	1,333 80	Patais.....	5,556 77
Normandin.....	1,067 87	Rue St. Joseph.....	10,953 55
North Coaticook.....	1,024 12	St. Roch de Québec.....	47,422 64
North Hatley.....	3,319 76	St. Sauveur de Québec.....	11,551 61
North Nation Mills.....	417 99	Sans Bruit.....	6,878 59
North Stanbridge.....	296 74	Stadacona.....	170 88
North Stukely.....	440 16	Valeartier Military Camp.....	4,355 25
North Timiskaming.....	769 85	Sub-Office No. 1.....	652 50
North Wakefield.....	493 68	Quyong.....	2,250 63
Notre Dame de Ham.....	357 44	Racine.....	421 43
Notre-Dame de la Paix.....	216 44	Rapide de l'Original.....	524 15
Notre-Dame de la Salette.....	462 79	Rapides des Joachims.....	321 31
Notre-Dame de Levis.....	5,533 88	Rawdon.....	1,754 76
Notre-Dame de Rimouski.....	264 67	Rectory Hill.....	44 71
Notre-Dame des Bois.....	616 70	Repentigny.....	141 39
Notre-Dame du Portage.....	383 15	Restigouche.....	713 96
Notre-Dame de Stanbridge.....	420 51	Richardville.....	209 45
Notre-Dame du Lac.....	1,369 57	Richmond.....	8,517 52
Notre-Dame du Laus.....	336 97	Rigaud.....	3,088 53
Notre-Dame du Pont Main.....	180 00	Rimouski.....	7,693 01
Notre-Dame du Rosaire.....	617 88	Ripon.....	468 03
Noyan.....	561 96	River Beaudette.....	600 05
Oka.....	797 57	River Désert.....	2,033 58
Ormstown.....	3,658 70	Riverfield.....	238 56
Ormstown Station.....	433 12	Rivière Joseph.....	214 83
Padoue.....	397 35	Rivière à Pierre.....	884 31
Panet.....	466 51	Rivière Bell.....	299 95
Papineauville.....	2,121 45	Rivière Bleue.....	1,057 02
Paquette.....	388 74	Rivière Bois-Clair.....	769 89
Parent.....	642 71	Rivière du Loup (en bas).....	6,582 45
Parisville.....	356 53	Rivière du Loup Station.....	6,093 83
Parkhurst.....	249 91	Rivière du Moulin.....	793 26
Paspébiac.....	1,923 99	Rivière Ouelle.....	394 28
Paspébiac West.....	488 71	Rivière Paquette.....	305 21
Peninsula—Gaspé.....	385 56	Rivière Trois-Pistoles.....	689 05
Pentecost River.....	77 24	Rivington.....	252 98
Percé.....	1,169 99	Robertsonville.....	1,237 89
Peribonca.....	383 95	Roberval.....	6,607 15
Perkins.....	453 01	Robitaille.....	470 30
Petite Matane.....	124 61	Rocheon.....	215 13
Phillipsburg East.....	824 55	Roek Forest.....	340 02
Pierreville.....	2,854 79	Roek Island.....	8,439 61
Pintendre.....	156 47	Rougemont Station.....	387 94
Piopolis.....	202 02	Roxton Falls.....	1,968 74
Plaisance.....	454 67	Roxton Pond.....	735 39
Plessisville.....	3,442 76	Rupert.....	307 02
Plessisville Station.....	1,741 57	St. Adalbert.....	186 59
Pointe au Pic.....	2,184 17	St. Adélaïde de Pabos.....	442 38
Pointe aux Trembles (Laval).....	2,592 81	St. Adèle.....	973 94
Pointe Brasse.....	97 02	St. Adolphe de Champlain.....	767 09
Pointe Claire.....	1,446 43	St. Adolphe de Dudswell.....	450 16
Pointe au Chêne.....	383 80	St. Adolphe de Howard.....	276 88
Pointe du Lac.....	523 60	St. Adrien.....	387 95
Pointe Gatineau.....	861 80	St. Agapit.....	471 21
Pointe Fortune.....	900 93	St. Agathe de Lotbinière.....	884 91
Point St. Peter.....	153 12	St. Agathe des Monts.....	6,687 96
Poltimore.....	399 74	St. Agnès de Dundee.....	393 56
Pontbriand.....	248 12	St. Aimé.....	1,074 63
Pont de Maskinongé.....	1,089 83	St. Alban.....	603 37
Pont Etchemin.....	1,098 99	St. Alexandre d'Iberville.....	661 64
Pont Rouge.....	1,889 31	St. Alexandre de Kamouraska.....	1,085 20
Portage du Fort.....	866 73	St. Alexis de Montcalm.....	843 48
Port Daniel Centre.....	672 34	St. Alexis des Monts.....	377 88
Port Daniel East.....	648 74	St. Alphonse de Caplan.....	235 94
Portneuf.....	1,262 01	St. Anaclet.....	550 94
Portneuf Station.....	824 49	St. Anastasie.....	483 66
Price.....	1,253 27	St. André Avelin.....	1,112 31
Princeville.....	1,764 62	St. André de Kamouraska.....	1,186 18
Privat.....	721 28	St. André de Restigouche.....	153 79
Proulxville.....	556 06	St. Andrews-East.....	1,379 80
Quai de Rimouski.....	333 35	St. Angèle de Laval.....	718 81
Quai des Eboulements.....	271 07	St. Angèle de Monnoir.....	368 16
Quebec.....	*311,642 88	St. Angèle de Rimouski.....	624 08
		St. Anicet.....	800 40
*Divided as follows:—		St. Anne de Beauport.....	2,695 73
Head Office.....	125,102 66	St. Anne de Bellevue.....	2,800 74
Station B.....	59,030 22	St. Anne de la Pérade.....	2,071 61
Candiac.....	8,083 92		

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Ste. Anne de la Pocatière.....	3,753 29	Ste. Emélie de Lotbinière.....	703 04
Ste. Anne des Monts.....	901 10	Ste. Emile de Suffolk.....	301 18
Ste. Anne des Plaines.....	518 58	St. Ephrem de Tring.....	1,316 70
St. Anselme.....	1,123 58	St. Esprit.....	562 49
St. Anselme Station.....	685 43	St. Etienne de Beauharnois.....	170 04
St. Antoine, Lotbinière.....	476 32	St. Etienne de Bolton.....	220 35
Ste. Antoine, River Richelieu.....	1,054 20	St. Etienne des Grès.....	258 41
St. Apollinaire.....	721 17	St. Eugène de Grantham.....	461 16
Ste. Apolline de Patton.....	207 92	St. Eugène de Guigues.....	134 92
St. Armand Station.....	886 58	Ste. Eulalie.....	620 35
St. Arsène.....	467 83	St. Eusèbe.....	213 28
St. Aubert.....	616 61	St. Eustache.....	2,471 70
St. Augustin de Québec.....	641 88	St. Evariste de Forsyth.....	359 55
St. Augustin, Two Mountains.....	518 94	St. Evariste Station.....	1,950 68
St. Barnabé Nord.....	978 21	St. Fabien.....	1,131 87
St. Barnabé Sud.....	366 47	Ste. Famille.....	268 67
St. Barthélemi.....	1,605 78	St. Faustin.....	314 28
St. Bazile de Portneuf.....	1,396 84	St. Faustin Station.....	814 58
St. Bazile le Grand.....	380 75	St. Félicien.....	2,046 12
Ste. Beatrix.....	375 37	Ste. Félicité.....	415 52
St. Benoit.....	626 72	St. Félix de Kingsey.....	814 13
St. Benoit Labre.....	527 25	St. Félix de Valois.....	1,307 97
St. Bernard de Dorchester.....	544 30	St. Ferdinand.....	1,500 24
St. Blaise.....	267 58	St. Flavien.....	922 82
St. Bonaventure.....	445 56	St. Flore.....	523 95
Ste. Brigide d'Iberville.....	386 52	Ste. Florence.....	420 72
Ste. Brigitte des Saults.....	109 89	St. Fortunat.....	265 10
St. Bruno.....	317 89	St. Foy.....	414 95
St. Bruno, Lac St. Jean.....	317 89	St. François de Sales Station.....	268 74
St. Calixte de Kilkenny.....	257 72	St. François du Lac.....	1,130 73
St. Camille.....	843 16	St. François Montmagny.....	606 98
St. Camille de Bellechasse.....	1,624 62	St. François Xavier, de Brompton.....	670 78
St. Canute.....	254 64	St. Frédéric.....	364 15
St. Casimir.....	2,402 16	St. Gabriel de Brandon.....	2,217 26
Ste. Catherine.....	475 29	St. Gabriel de Rimouski.....	525 40
St. Catherine's Bay.....	88 61	St. Gabriel Station.....	129 60
Ste. Cécile de Masham.....	401 64	St. Gédéon.....	595 02
Ste. Cécile de Milton.....	257 09	St. Gédéon de Beauce.....	338 19
Ste. Cécile de Whitton.....	272 86	Ste. Geneviève de Batisacan.....	1,419 65
Ste. Cécile Station.....	185 90	Ste. Geneviève de Pierrefonds.....	960 08
St. Célestin.....	714 11	St. George Beauce.....	1,090 94
St. Césaire.....	2,045 17	St. George de Windsor.....	522 41
St. Charles de Bellechasse.....	1,356 37	St. Georges Est.....	4,221 69
St. Charles de Caplan.....	676 97	St. Gérard.....	541 40
St. Charles River Richelieu.....	1,409 94	St. Gérard d'Yamaska.....	143 11
Ste. Christine.....	124 77	St. Germain de Grantham.....	1,410 21
St. Chrysostôme.....	1,686 73	St. Germain de Kamouraska.....	262 97
Ste. Claire.....	1,228 21	Ste. Germaine Station.....	248 96
St. Claude.....	158 83	Ste. Gertrude.....	504 46
St. Clement.....	403 75	St. Gervais.....	1,449 41
St. Clet.....	1,108 09	St. Giles.....	277 63
Ste. Clothilde.....	971 11	St. Godfroy.....	436 30
St. Côme.....	228 72	St. Grégoire.....	1,050 94
St. Constant.....	646 44	St. Guillaume d'Upton.....	1,666 50
Ste. Croix.....	1,086 37	St. Guillaume Station.....	349 67
St. Cyprien.....	246 44	Ste. Hélène de Bagot.....	496 63
St. Cuthbert.....	1,182 84	Ste. Hélène de Kamouraska.....	633 73
St. Cyrille de l'Islet.....	670 03	Ste. Hénédine.....	1,099 38
St. Cyrille de Wendover.....	2,048 40	St. Henri de Lévis.....	877 06
St. Damase.....	375 30	St. Hernas.....	1,094 52
St. Damase de Metane.....	381 34	St. Herménégilde.....	368 93
St. Damase des Aulnaies.....	165 57	St. Hilaire Station.....	851 24
St. Damien de Brandon.....	351 07	St. Hilaire Village.....	624 19
St. Damien de Buckland.....	660 57	St. Hilarion.....	153 72
St. David de Lévis.....	401 34	St. Hippolyte de Kilkenny.....	354 00
St. David d'Yamaska.....	557 66	St. Honoré.....	558 36
St. Denis de la Bouteillerie.....	514 52	St. Hubert.....	492 92
St. Denis River Richelieu.....	1,403 63	St. Hugues.....	904 12
St. Désiré du Lac Noir.....	398 74	St. Hyacinthe.....	24,032 84
St. Didace.....	299 36	St. Irénée.....	421 04
St. Dominique de Bagot.....	499 77	St. Isidore d'Auckland.....	453 82
St. Donat.....	388 66	St. Isidore Dorchester.....	589 02
St. Donat de Montcalm.....	294 60	St. Isidore Laprairie.....	464 86
St. Edouard de Napierville.....	249 96	St. Jacques.....	1,732 74
St. Edwidge.....	475 08	St. Jacques le Mineur.....	250 64
St. Eleuthère.....	685 70	St. Janvier.....	383 24
St. Elie.....	459 29	St. Jean.....	19,532 25
Ste. Elizabeth.....	835 69	St. Jean Baptiste de Rouville.....	503 68
St. Eloi.....	472 93	St. Jean Chrysostôme.....	927 41
St. Elzéar de Beauce.....	371 07	St. Jean de Dieu.....	558 91
St. Elzéar de Laval.....	415 38	St. Jean de Matha.....	642 40
Ste. Emélie de L'Énergie.....	630 31	St. Jean des Piles.....	297 31

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
St. Jean d'Orléans.....	425 08	St. Pierre Baptiste.....	250 90
St. Jean L'Évangéliste.....	433 57	St. Pierre les Becquets.....	525 42
St. Jean Port Joli.....	1,163 98	St. Pierre Montmagny.....	549 16
St. Jérôme.....	6,356 50	St. Placide.....	3,564 56
St. Joseph d'Alma.....	243 50	St. Polycarpe.....	1,114 09
St. Joseph de Beauce.....	1,156 92	St. Prime.....	596 55
St. Joseph de Lévis.....	4,341 52	St. Prosper.....	669 72
St. Joseph de Soré.....	804 87	St. Prosper de Dorchester.....	893 97
St. Joseph du Lac.....	399 31	St. Raphaël, East.....	881 03
St. Jovite.....	199 80	St. Raymond.....	2,803 86
St. Jovite Station.....	1,477 02	St. Rémi d'Amherst.....	2,569 22
St. Jude.....	930 04	St. Rémi de Tingwick.....	566 35
St. Julie de Verchères.....	546 52	St. Robert.....	456 21
St. Julie Station.....	463 16	St. Roch de Richelieu.....	262 58
St. Justine.....	266 56	St. Roch des Aulnaies.....	407 75
St. Justine Station.....	594 67	St. Roch l'Achigan.....	452 92
St. Justin.....	540 91	St. Roch.....	623 31
St. Justin de Newton.....	732 71	St. Romain.....	280 19
St. Justine Station.....	270 76	St. Romuald d'Étchemin.....	2,059 00
St. Lambert (Chambly).....	19,217 21	St. Rosalie.....	531 35
St. Lambert de Lévis.....	348 00	St. Rose.....	646 90
St. Laurent d'Orléans.....	471 02	St. Rose de Lima.....	1,457 02
St. Lazare Village.....	308 94	St. Rose du Dégélé.....	426 00
St. Léon.....	914 20	St. Sabine de Bellechasse.....	928 16
St. Léonard d'Aston.....	1,332 38	St. Sabine Station.....	208 20
St. Léonard de Portneuf.....	359 45	St. Samuel de Gayhurst.....	398 44
St. Léon le Grand.....	479 13	St. Sauveur des Montagnes.....	527 81
St. Liboire.....	908 61	St. Scholastique.....	440 34
St. Louis de Courville.....	489 64	St. Sébastien.....	2,621 01
St. Louis de Gonzague.....	887 40	St. Sébastien de Beauce.....	602 94
St. Louis du Ha-Ha.....	488 67	St. Sébastien de Beauce.....	556 65
St. Lucie.....	523 22	St. Siméon.....	345 08
St. Lucie de Beaugard.....	216 67	St. Simon de Rimouski.....	454 33
St. Lucie de Doncaster.....	256 18	St. Simon de Yamaska.....	494 69
St. Ludger.....	841 00	St. Sixte.....	165 76
St. Madeleine.....	1,214 60	St. Sophie de Lacorne.....	327 53
St. Magloire.....	521 97	St. Sophie de Lévrard.....	697 96
St. Malachie.....	564 52	St. Sophie de Mégantie.....	648 02
St. Malo.....	464 58	St. Stanislas de Champlain.....	1,099 24
St. Marc.....	884 21	St. Stanislas de Kostka.....	362 27
St. Marc des Carrières.....	1,077 25	St. Sylvère.....	458 32
St. Marcel de Richelieu.....	258 24	St. Sylvestre.....	813 52
St. Marguerite de Dorchester.....	506 82	St. Téléphore.....	415 70
St. Marie Beauce.....	3,759 47	St. Thècle.....	1,192 53
St. Marie.....	399 10	St. Thècle Station.....	672 08
St. Martin.....	638 59	St. Théodore.....	245 20
St. Martine.....	580 75	St. Théodore d'Acton.....	387 12
St. Maurice.....	239 30	St. Thérèse de Blainville.....	3,807 94
St. Mélanie.....	784 96	St. Thomas de Joliette.....	407 92
St. Michel de Bellechasse.....	231 17	St. Timothée.....	453 43
St. Michel de Napierville.....	700 55	St. Tite.....	3,308 36
St. Michel des Saints.....	955 10	St. Tite des Caps.....	331 75
St. Moïse Station.....	624 90	St. Ubalde.....	635 94
St. Monique de Nicolet.....	290 13	St. Ulric Station.....	905 49
St. Monique des Deux-Montagnes.....	834 51	St. Urbain de Charlevoix.....	337 58
St. Narcisse.....	469 24	St. Urbain de Chateauguay.....	513 94
St. Nazaire.....	305 45	St. Ursule.....	647 22
St. Nicholas.....	1,154 33	St. Valentin.....	393 97
St. Nicholas Station.....	323 24	St. Valérien.....	360 74
St. Norbert Berthier.....	373 15	St. Vallier.....	508 40
St. Norbert d'Arthabaska.....	688 57	St. Vallier Station.....	276 29
St. Octave.....	352 62	St. Vêronique.....	159 02
St. Odilon.....	354 16	St. Victor de Tring.....	991 81
St. Omer.....	1,077 90	St. Victoire.....	291 19
St. Ours.....	1,456 30	St. Vincent de Paul.....	1,096 59
St. Pacôme.....	1,230 68	St. Wenceslas.....	523 39
St. Pamphile.....	2,427 23	St. Zacharie.....	176 78
St. Pascal.....	392 40	St. Zenon.....	409 38
St. Paul de Chester.....	524 16	St. Zéphirin.....	590 71
St. Paul du Buton.....	730 19	St. Zotique.....	202 82
St. Paulin.....	320 07	Sabrevois.....	367 58
St. Paul l'Érmitte.....	431 63	Sandy Bay.....	763 70
St. Perpétue.....	434 53	Sawyerville.....	2,156 37
St. Philémon.....	725 44	Sayabec.....	771 67
St. Philippe d'Argenteuil.....	501 24	Sayabec Station.....	1,837 80
St. Philippe de Laprairie.....	391 60	Scotstown.....	2,690 64
St. Philippe de Nery.....	349 80	Scott Junction.....	935 59
St. Philippe, Ouest.....	277 56	Seven Islands.....	338 94
St. Philomène.....	691 38	Shawbridge.....	991 73
St. Philomène de Fortierville.....	1,815 22	Shawenegan.....	745 43
St. Pie.....		Shawenegan Falls.....	15,158 80
		Shawville.....	4,091 57

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF QUEBEC—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Sheenborough.....	475 24	Val Brilliant.....	1,654 91
Sherbrooke.....	*76,627 02	Valcourt.....	1,486 34
*Divided as follows:—		Val des Bois.....	414 98
Head Office.....	60,513 42	Val Jalbert.....	458 19
East Sherbrooke.....	6,398 52	Valleyfield.....	10,637 00
South Sherbrooke.....	9,328 30	Val Quesnel.....	359 56
Sherbrooke Sub. No. 3.....	386 78	Valracine.....	262 52
Sherrington.....	365 15	Val Morin.....	348 30
Shigawake.....	395 68	Varenes.....	1,150 97
Sillery.....	418 72	Vaudreuil.....	1,059 12
Sixteen Island Lake.....	532 62	Vaudreuil Station.....	2,059 20
Smith's Mills.....	611 64	Venosta.....	348 34
Sorel.....	11,651 12	Verchères.....	1,175 32
South Bolton.....	257 37	Victoriaville.....	10,141 19
South Durham.....	1,605 69	Viger.....	624 38
South Quebec.....	313 03	Village des Aulnaies.....	441 34
South Roxton.....	701 37	Village Richelieu.....	808 52
South Stukely.....	716 47	Ville Marie.....	1,666 26
Spring Hill.....	385 36	Village St. Onge.....	1,015 02
Stanbridge East.....	1,268 38	Ville Saint Pierre.....	4,764 37
Stanbridge Station.....	322 52	Wakefield.....	1,034 69
Standon.....	442 05	Waltham Station.....	460 24
Stanstead.....	2,745 01	Warden.....	856 96
Stoke Centre.....	325 23	Warwick.....	2,836 19
Stornoway.....	429 15	Waterloo.....	5,734 21
Stratford Centre.....	279 37	Waterville.....	2,061 02
Sully.....	370 58	Way's Mills.....	435 18
Sutton.....	5,120 41	Weedon.....	1,572 12
Sutton Junction.....	724 95	Weir.....	604 93
Sweetsburg.....	1,532 74	West Brome.....	711 03
Tadoussac.....	1,124 23	West Broughton.....	458 43
Taillon.....	378 27	Westmount.....	26,345 29
Taschereau.....	881 19	West Shefford.....	1,244 23
Terrebonne.....	4,596 54	Wickham West.....	925 81
Terre Haute.....	112 20	Windsor.....	2,886 95
Theford Mines.....	9,046 99	Windsor East.....	1,456 25
Theford Mines West.....	1,645 07	Woburn.....	326 69
Thurso.....	1,404 69	Wolfstown.....	346 48
Tikouape.....	367 12	Wotton.....	1,232 70
Tingwick.....	628 25	Wright.....	651 50
Tremblay.....	686 58	Wyman.....	536 60
Trenholme.....	260 35	Yamachiche.....	1,501 40
Tring Junction.....	572 06	Yamaska.....	486 23
Trois Pistoles.....	2,986 92	Yamaska East.....	385 09
Trois Rivières.....	*32,171 49	Non-accounting Post Offices.....	133,666 78
*Divided as follows:—			
Head Office.....	28,821 99		
Sub-Office No. 1.....	3,349 50		
Ulverton.....	351 56	Less Value of Postage Stamps affixed to Postal Notes.....	4,126,991 85 3,454 05
Upton.....	1,204 39		
Val Barette.....	675 21		4,123,537 80

PROVINCE OF NOVA SCOTIA.

Advocate Harbour.....	911 55	Belliveau Cove.....	595 15
Aldershot Military Camp.....	1,426 50	Belmont.....	694 74
Amherst.....	*39,070 43	Berwick.....	4,782 40
*Divided as follows:—		Big Bras d'Or.....	398 00
Head office.....	36,684 37	Big Tracadie.....	397 02
Sub-office No. 1.....	1,999 33	Bill Town.....	380 45
Sub-office No. 2.....	386 73	Birch Grove.....	584 50
Annapolis Royal.....	6,121 08	Boylston.....	321 74
Antigonish.....	10,042 63	Bridford.....	592 78
Aradia.....	721 24	Bridport.....	748 74
Arichat.....	1,637 45	Bridgetown.....	5,812 78
Athol.....	381 51	Bridgeville.....	225 45
Auburn.....	504 96	Bridgewater.....	13,939 86
Avonport Station.....	424 85	Brookfield (Colchester).....	965 61
Aylesford.....	2,786 02	Brookfield (Queens).....	388 11
Baddeck.....	2,917 02	Brooklyn (Queens).....	553 33
Bailey's Brook.....	219 43	Broughton.....	133 56
Barrington.....	1,515 59	Caledonia (Queens).....	1,252 72
Barrington Passage.....	1,586 64	Caledonia Mines.....	1,285 95
Barss' Corners.....	819 21	Cambridge Station.....	623 76
Barton.....	401 33	Canning.....	3,266 25
Bass River.....	1,053 74	Canso.....	4,293 82
Bayfield.....	262 69	Cape North.....	394 98
Bear River.....	3,381 28	Carleton.....	419 48
Bedford.....	1,950 13	Centre Burlington.....	419 51

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Centreville.....	580 10	Hortonville.....	493 57
Chester.....	3,150 85	Hubbard's.....	1,108 85
Chester Basin.....	910 76	Ingonish.....	192 88
Cheverie.....	618 93	Ingramport.....	407 00
Chignecto.....	296 49	Inverness.....	4,393 43
Christmas Island.....	353 86	Iona.....	419 19
Church Point.....	923 43	Irish Cove.....	185 97
Clarencé.....	128 63	Isaac's Harbour.....	437 75
Clark's Harbour.....	1,713 72	Joggin Mines.....	2,656 46
Clementsport.....	943 69	Jordan Falls.....	491 32
Clementsvale.....	429 27	Kempt.....	296 37
Cleveland.....	341 98	Kemptville.....	498 36
Clyde River.....	415 35	Kentville.....	15,190 32
Cold Brook Station.....	322 38	Kingsport.....	723 76
Collingwood Corner.....	558 10	Kingston Station.....	1,858 07
Conquerall Banks.....	315 74	La Have.....	995 39
Crossburn.....	439 00	Lantz Siding.....	236 23
Cross Roads, Country Harbour.....	267 96	L'Ardoise.....	414 88
Dartmouth.....	10,538 94	Larry's River.....	254 28
Debert Station.....	658 11	Lawrencetown.....	2,159 55
Deep Brook.....	642 04	Liscomb.....	388 65
Denmark.....	491 32	Little Bras d'Or.....	256 20
D-scousse.....	652 49	Little River.....	511 19
Digby.....	\$ 252 73	Liverpool.....	8,273 77
Dominion No. 4.....	949 67	Lochaber.....	479 31
Dominion No. 6.....	833 86	Lockport.....	2,328 61
Earlton.....	242 36	Londonderry.....	1,925 27
East Apple River.....	435 62	Louisburg.....	2,950 67
East Erinville.....	77 57	Louisdale.....	167 11
Eastern Harbour.....	890 60	Lower Argyle.....	409 35
East Pubnico.....	275 80	Lower East Pubnico.....	453 53
Economy.....	547 49	Lower L'Ardoise.....	413 05
Eel Brook.....	281 99	Lower Wood Harbour.....	1,007 92
Elderbank.....	493 57	Lunenburg.....	9,843 13
Ellershouse.....	538 07	Lydgate.....	329 23
Elmsdale.....	1,250 75	Lyons Brook.....	376 99
Enfield.....	593 36	McGray.....	167 50
English Town.....	293 75	McKay's Corner.....	234 01
Eureka.....	829 71	Mabou.....	1,052 86
Falmouth Station.....	693 54	Macean.....	1,066 82
Five Islands.....	568 14	Mahone Bay.....	3,647 51
Florence.....	1,340 60	Main à Dieu.....	296 84
Fortier Settlement.....	177 60	Maitland (Annapolis).....	368 24
Frankville.....	390 53	Maitland (Hants).....	1,223 00
Freeport.....	900 74	Marble Mountain.....	844 19
Frizzleton.....	339 33	Margaree Forks.....	374 01
Gabarouse.....	202 78	Margaree Harbour.....	577 26
Gaspereaux.....	1,587 53	Margaretsville.....	631 82
Gay's River.....	268 79	Marion Bridge.....	256 81
Glace Bay.....	15,513 80	Melvyn Square.....	635 51
Glenholme.....	428 75	Merigomish.....	653 65
Glenwood.....	187 85	Meteghan.....	946 85
Goldboro.....	686 53	Meteghan River.....	901 18
Gold River.....	511 78	Middle Musquodoboit.....	1,541 76
Goldenville.....	233 22	Middle Stewiacke.....	382 09
Grafton.....	405 07	Middleton.....	5,618 00
Grand Etang.....	428 29	Middle West Pubnico.....	267 38
Grand Narrows.....	310 62	Milford Station.....	951 02
Grand Pré.....	772 64	Mill Village.....	680 74
Grand River.....	384 98	Milton.....	1,479 54
Granville Centre.....	565 24	Morden.....	223 09
Granville Ferry.....	1,695 88	Mosser's River.....	390 25
Great Village.....	1,564 42	Mosser's River.....	527 78
Greenwich.....	966 49	Mount Uniacke.....	2,688 96
Guysborough.....	2,527 28	Mulgrave.....	1,108 00
Halifax.....	*278,324 00	Musquodoboit Harbour.....	664 34
*Divided as follows:—		Nappan Station.....	2,782 24
Head Office.....	247,558 77	New Aberdeen.....	130 10
Sub-Office No. 3.....	1,495 00	New Campbellton.....	1,269 91
Sub-Office No. 4.....	2,279 17	New Germany.....	39,138 98
Sub-Office No. 5.....	380 18	New Glasgow.....	1,095 69
Armdale.....	1,252 00	Newport.....	453 42
Fairview Station.....	366 59	Newport Landing.....	909 66
Gottingen Street.....	17,571 90	New Ross.....	5,099 09
Morris Street.....	7,420 39	New Waterford.....	396 39
Hampton.....	345 93	Nictaux Falls.....	541 15
Hantsport.....	3,322 62	Noel.....	313 42
Havre Boucher.....	409 67	North Brookfield.....	1,152 12
Hazel Hill.....	946 33	North Lochaber.....	636 30
Heatherton.....	386 38	North Port.....	15,840 40
Hebron.....	1,002 75	North Sydney.....	592 65
Hopewell.....	1,161 77	Old Barns.....	1,448 85
		Old Bridgeport.....	

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF NOVA SCOTIA—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts
Oldham.....	347 82	Springhill Junction.....	536 94
Orangedale.....	596 50	Spry Bay.....	213 19
Oxford.....	5,740 81	Stake Road.....	561 93
Paradise.....	845 91	Stellarton.....	9,752 74
Farrsboro.....	5,891 05	Stewiacke.....	2,575 51
Petite de Grat Bridge.....	264 15	Strathlorne.....	242 14
Petite Rivière Bridge.....	738 48	Summersville.....	349 46
Pictou.....	13,268 47	Sunnybrae.....	536 74
Pictou Landing.....	324 56	Surety Island.....	204 80
Plympton.....	359 48	Sydney.....	*52,057 80
Point Tupper.....	676 11	*Divided as follows:—	
Port Clyde.....	371 84	Head Office.....	51,816 80
Port Dufferin.....	539 53	Ashby.....	241 00
Port Greville.....	1,010 12	Sydney Mines.....	10,516 07
Port Hastings.....	1,770 63	Tancook Island.....	313 26
Port Hawkesbury.....	2,748 19	Tangier.....	376 33
Port Hood.....	1,594 66	Tatamagouche.....	3,379 01
Port Hood Mines.....	229 75	Thompson's Station.....	372 86
Port Howe.....	326 24	Thorburn.....	837 74
Port La Tour.....	349 37	Tidnish.....	217 41
Port Lorne.....	333 63	Fiverton.....	903 20
Port Maitland.....	1,122 92	Torbrook Mines.....	456 12
Port Medway.....	655 73	Tracadie.....	342 78
Port Morien.....	1,321 85	Trenton.....	7,967 19
Port Mouton.....	435 72	Truro.....	45,794 29
Port Williams.....	1,607 83	Tusket.....	928 37
Prospect.....	226 88	Upper Kennetook.....	343 80
Pubnico Head.....	694 42	Upper Musquodoboit.....	826 33
Pugwash.....	3,065 37	Upper Port La Tour.....	291 21
Pugwash Junction.....	306 21	Upper Stewiacke.....	1,247 73
Queensport.....	332 37	Victoria Beach.....	343 20
Reserve Mines.....	808 50	Wallace.....	1,109 00
River Bourgeois.....	290 49	Walton.....	690 67
River Dennis Station.....	314 73	Waterville.....	1,488 36
River Hebert.....	2,627 89	Waverley.....	232 53
River John.....	2,103 52	Wedgeport.....	434 80
Riverport.....	938 13	Wentworth Centre.....	121 35
Rockdale.....	214 06	West Arichat.....	423 87
Rose Bay.....	357 88	West Bay.....	436 52
Roseway.....	228 59	West Branch River John.....	263 93
Round Hill.....	640 16	West Chester Station.....	659 66
St. Andrews.....	275 58	West Dublin.....	359 85
Ste. Croix.....	348 16	West Gore.....	491 40
St. Peter's.....	2,090 57	West La Have.....	451 83
Salmon River.....	351 61	Westport.....	1,244 29
Sandy Cove.....	547 31	West Pubnico.....	565 16
Sandy Point.....	407 72	West River Station.....	518 54
Saultnierville.....	307 67	Westville.....	7,708 09
Scotch Village.....	293 19	Weymouth.....	2,923 12
Scotsburn Station.....	1,188 55	Weymouth North.....	594 62
Scotsville.....	191 12	Whitehead.....	283 69
Shag Harbour.....	315 33	Whitney Pier.....	5,554 85
Sheet Harbour.....	849 87	Whycomagh.....	830 94
Shelburne.....	4,310 30	Wilkin Siding.....	174 75
Sherbrooke.....	1,318 25	Williamsdale East.....	180 47
Shinimecas Bridge.....	337 45	Wilnot.....	425 79
Ship Harbour.....	280 50	Windsor.....	17,780 41
Shubenacadie.....	2,924 75	Wolfville.....	9,294 41
Smith's Cove.....	578 65	Yarmouth.....	22,340 76
Somerset.....	513 43	Yarmouth North.....	2,241 69
Sonora.....	312 68	Yarmouth South.....	1,730 25
Southampton.....	416 00	Non-Accounting Post Offices.....	130,291 66
South Farmington.....	389 54		
South Gut of St. Ann's.....	198 03		
South Maitland.....	534 87	Less value of Postage Stamps affixed to Postal Notes.....	913 74
South Ohio.....	934 99		
Springfield.....	1,172 08		
Springhill.....	9,164 07		
			1,090,185 22
			1,089,271 48

9 GEORGE V, A. 1919

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF NEW BRUNSWICK.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$		\$
	cts.		cts.
Adamsville.....	302 40	Jemseg.....	303 66
Albert.....	1,009 67	Kedgewick.....	985 75
Alma.....	822 29	Keswick Ridge.....	192 67
Anagance.....	560 10	Kilburn.....	534 55
Anderson Siding.....	1,355 70	Kingston, Kings.....	277 51
Andover.....	1,229 06	Kouchibouguac.....	299 96
Apoahqui.....	1,310 75	Lake Baker.....	244 84
Aroostock Junction.....	716 40	Lakeville.....	755 02
Baie Verte.....	563 62	Lambertville.....	198 66
Baker Brook.....	424 85	Lameque.....	417 00
Bass River.....	544 46	Leonardville.....	176 48
Bath.....	2,330 14	Leptreau.....	414 87
Bathurst.....	10,178 00	Little Shemogue.....	412 55
Bayfield.....	850 22	Loggieville.....	1,910 15
Beaver Harbour.....	531 20	Lord's Cove.....	301 07
Benton.....	806 65	Lower Hainesville.....	479 16
Blackville.....	1,231 14	Lower Southampton.....	1,066 61
Bloomfield Station.....	472 60	McAdam Junction.....	3,661 91
Boiestown.....	1,322 56	Mace's Bay.....	210 58
Bristol.....	879 57	Marysville.....	2,256 81
Buctouche.....	2,096 92	Maugerville.....	505 76
Burt's Corner.....	712 54	Meductic.....	178 11
Butternut Ridge.....	1,364 01	Melrose.....	380 57
Cambridge.....	519 95	Memramoocook.....	670 63
Campbellton.....	17,218 47	Middle Sackville.....	984 82
Campo Bello.....	667 28	Millerton.....	1,202 21
Canterbury Station.....	1,434 02	Milltown.....	2,328 87
Cape Bald.....	351 59	Millville.....	1,149 93
Caraquet.....	2,044 02	Minto.....	1,504 74
Central Blissville.....	193 17	Moncton.....	*67,470 37
Centreville.....	2,315 89		
Chatham.....	12,351 58	*Divided as follows:—	
Chipman.....	2,680 10	Head Office.....	64,660 07
Clair.....	410 19	Sub-Office No. 2.....	2,201 50
Clifton.....	429 60	Sub-Office No. 3.....	608 80
Cocagne.....	246 67	Moore's Mills.....	619 02
Cody's.....	659 62	Morehouse.....	144 97
Coldstream.....	398 99	Mount Carmel.....	238 48
Cole's Island.....	371 21	Mount Pleasant.....	270 46
Collina.....	391 55	Mouth of Keswick.....	569 75
Corn Hill.....	302 65	Narrows.....	200 35
Cross Creek.....	395 53	Nashwaaksis.....	634 63
Cumberland Bay.....	334 80	Negue.....	239 27
Dalhousie.....	4,116 00	Newcastle.....	12,541 50
Debec.....	1,223 98	Newcastle Creek.....	422 98
Doktown.....	1,776 44	New Mills.....	473 58
Dorchester.....	3,046 48	North Devon.....	1,419 98
Douglastown.....	651 59	North Head.....	1,237 28
Durham Bridge.....	268 40	Norton.....	2,105 96
Durham Centre.....	627 49	Oak Point.....	343 27
East Florenceville.....	1,700 36	Oromocto.....	1,144 54
East St. John.....	652 37	Pennfield.....	215 49
Edmundston.....	6,007 41	Pennfield Ridge.....	232 98
Eel River Crossing.....	662 67	Penobsquis.....	631 58
Elgin.....	1,067 85	Perth.....	3,827 79
Elm Tree.....	410 99	Petiteodiac.....	3,291 85
Fairville.....	4,643 19	Petit Rocher.....	675 91
Florenceville.....	984 54	Pierston.....	49 30
Fredericton.....	51,157 55	Pinder.....	587 64
Fredericton Junction.....	910 85	Plaster Rock.....	1,945 63
Gagetown.....	1,587 73	Pointe de Bute.....	384 23
Glassville.....	976 49	Port Elgin.....	2,498 57
Grande Anse.....	647 41	Prime.....	127 33
Grand Falls.....	5,038 09	Prince William.....	625 83
Grand Harbour.....	803 88	Quarryville.....	188 22
Great Shemogue.....	269 98	Red Bank.....	625 01
Green Point.....	329 80	Renton.....	2,892 59
Hampstead.....	455 20	Richibucto.....	2,856 05
Hampton.....	1,238 40	Richmond Corner.....	125 56
Hampton Station.....	2,467 53	Riley Brook.....	279 22
Harcourt.....	1,513 67	Riverbank.....	87 30
Hartland.....	4,257 53	River Charlo.....	614 65
Harvey.....	320 12	River de Chute.....	278 13
Harvey Station.....	1,233 79	River Louison.....	525 11
Hatfield Point.....	708 46	River Side.....	779 87
Hawkshaw.....	565 56	Rockland.....	85 61
Hillsborough.....	2,979 12	Rogersville.....	1,522 05
Hopewell Cape.....	538 59	Rolling Dam Station.....	1,165 10
Hopewell Hill.....	442 47	Rothsay.....	2,054 35
Hoyt Station.....	598 69	St. Andrews.....	5,932 71
Inkerman.....	254 16	Ste. Anne de Madawaska.....	248 68
Jaquet River.....	1,282 91	St. Anthony.....	353 26
		St. Basil.....	617 20

SESSIONAL PAPER No. 24

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue
	\$ cts.		\$ cts.
St. Charles.....	202 54	South Branch of St. Nicolas River.....	217 52
St. François de Madawaska.....	405 46	South Devon.....	1,326 58
St. George.....	3,554 38	South Nelson.....	1,250 19
St. Jacques.....	373 03	Springfield.....	420 31
St. John.....	*225,582 11	Stanley.....	1,913 37
*Divided as follows:—		Stonehaven.....	500 63
Head Office.....	161,127 74	Sunny Brae.....	692 62
Sub-Office No. 1.....	5,630 72	Sussex.....	14,357 95
Sub-Office No. 2.....	12,157 14	Tabucintac.....	510 55
Sub-Office No. 3.....	7,356 62	Taymouth.....	561 96
Haymarket Square.....	3,899 84	Tracadie.....	1,760 16
Indian Town.....	5,355 66	Tracey Station.....	468 73
Marsh Bridge.....	1,576 58	Upham.....	291 75
Sand Point Road.....	4 50	Upper Gagetown.....	372 35
St. John North.....	5,197 86	Upper Kent.....	398 25
St. John West.....	7,692 43	Upper Pockmouche.....	343 87
Union Street.....	15,883 02	Upper Woodstock.....	553 32
St. Joseph, Westmoreland.....	1,156 87	Verret.....	72 01
St. Leonard Station.....	1,493 59	Victoria—Carleton.....	655 01
St. Louis de Kent.....	461 74	Welsford.....	820 44
St. Martin's.....	1,378 28	West Bathurst.....	2,201 92
St. Paul's.....	268 76	Westfield.....	389 89
St. Stephen.....	17,032 66	Wilson's Beach.....	505 16
Sackville.....	12,534 73	Woodstock.....	16,782 11
Salisbury.....	1,424 89	Young's Cove Road.....	471 46
Salmonhurst.....	263 21	Zealand Station.....	317 87
Scotch Town.....	82 14	Non-Accounting Post Offices.....	92,161 07
Seal Cove.....	624 76		
Shediac.....	5,170 72		
Sheffield.....	225 30	Less value of Postage Stamps affixed to Postal Notes.....	628 72
Shippigan.....	788 61		
Shives Athol.....	476 86		
Siegas.....	256 13		
			749,692 23
			749,063 51

PROVINCE OF PRINCE EDWARD ISLAND.

Albany.....	948 95	Murray Harbour.....	963 54
Alberton.....	3,476 36	Murray River.....	858 99
Bedeque.....	555 25	New Glasgow.....	316 34
Belfast.....	484 69	New London.....	468 79
Bloomfield Station.....	727 12	New Wiltshire.....	1,093 93
Bonshaw.....	465 98	Northam.....	351 25
Breadalbane.....	1,090 79	O'Leary Station.....	2,604 15
Bridgetown.....	664 33	Peake Station.....	492 62
Bristol.....	245 97	Port Borden.....	222 15
Cape Traverse.....	1,009 04	Richmond.....	610 26
Cardigan.....	1,424 63	St. Louis.....	684 84
Central Bedeque.....	553 22	St. Peter's Bay.....	1,344 77
Charlottetown.....	48,861 36	Souris East.....	4,054 73
Clyde River.....	750 50	Stanley Bridge.....	483 58
Coleman.....	690 14	Summerside.....	16,813 67
East Baltic.....	428 36	Tignish.....	2,483 24
Elmira.....	516 48	Tyne Valley.....	642 41
Emerald.....	607 51	Vernon Bridge.....	605 30
Fredericton Station.....	398 73	Victoria.....	939 96
Freetown.....	506 35	Wellington Station.....	1,112 98
Georgetown.....	1,414 25	Non-Accounting Post Offices.....	18,066 50
Hunter's River.....	1,882 42		
Kensington.....	2,685 28	Less value of Postal Stamps affixed to Postal Notes.....	117 36
Kinross.....	496 56		
Lot 56.....	395 18		
Montague.....	5,345 18		
Morrell.....	899 74		
Mount Stewart.....	1,418 30		
			134,156 97
			134,039 61

PROVINCE OF MANITOBA.

Alexander.....	1,911 13	Arrow River.....	493 28
Altamont.....	823 53	Arnaud.....	697 70
Altona.....	2,300 69	Ashern.....	1,333 39
Amaranth.....	874 40	Ashville.....	358 38
Angusville.....	797 14	Austin.....	1,422 80
Arborg.....	1,309 31	Bagot.....	842 55
Arden.....	2,146 74	Baldur.....	2,319 51
Argyle.....	421 70	Balmoral.....	30 76

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF MANITOBA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Bannerman	422 35	Garson Quarry	360 53
Barrows	511 58	Gilbert Plains	4,702 09
Basswood	1,328 07	Gimli	1,602 00
Beaman	109 24	Giroux	539 74
Beauséjour	2,133 37	Gladstone	5,531 82
Beaver	379 86	Glenboro	3,099 32
Bellevue	237 01	Glenella	1,557 56
Belmont	2,507 35	Glenora	449 86
Benito	2,057 36	Goodlands	1,360 86
Beresford	675 33	Grande Clairière	356 12
Bethany	369 77	Grand View	5,643 29
Beulah	1,535 63	Graysville	524 08
Bin-carth	2,347 60	Greenway	634 17
Bird's Hill	1,202 51	Gregg	265 94
Birnie	748 30	Gretna	2,023 65
Birtle	3,539 99	Griswold	1,572 23
Boissevain	5,402 51	Guntou	637 46
Bowsman River	2,271 40	Gypsumville	431 73
Bradwardine	977 47	Hamiota	3,645 18
Brandon	91,698 06	Harding	583 66
Broad Valley	224 23	Hargrave	448 87
Brookdale	842 90	Harrowby	438 19
Broomhill	365 87	Harte Station	315 70
Brunkild	580 44	Hartney	4,332 84
Bruxelles	309 03	Hayfield	388 18
Bunclody	184 84	Haywood	483 83
Butler Station	249 18	Headingly	668 85
Cameron	167 55	High Bluff	1,151 61
Camper	644 21	Hilton	517 60
Carberry	5,818 42	Holland	3,440 58
Cardiac	667 23	Holmfild	1,104 29
Cardinal	286 58	Icelandic River	793 61
Carman	8,274 47	Ingelow	288 42
Carnegie	268 21	Inwood	823 54
Carroll	889 67	Isabella	603 73
Cartwright	2,850 97	Justice	433 73
Chatfield	298 09	Katrine	352 86
Clandeboye	608 56	Kawende	1,469 55
Clan William	1,240 51	Keloe	771 09
Clearwater	975 28	Kelwood	1,597 87
Cordova	334 26	Kenton	1,314 27
Coulter	399 96	Kenville	832 15
Crandell	1,518 20	Keyes	601 69
Cromer	620 32	Killarney	5,598 49
Crystal City	2,703 51	Kirkfield Park	1,509 25
Cypress River	2,393 88	La Broquerie	503 42
Darlingford	1,841 52	Lac du Bonnet	1,121 90
Dand	485 43	Langruth	923 49
Dauphin	18,263 36	Larivière	1,331 10
Deepdale	770 49	La Salle	392 30
Deleau	434 01	Lauder	1,205 60
Deloraine	5,393 28	Laurier	733 90
Desford	416 90	Lavenham	461 47
Dominion City	1,567 52	Lenore	1,411 15
Douglas Station	864 92	Le Pas	7,601 99
Dunrea	1,175 93	Letellier	1,239 98
Durban	1,125 43	Loretto	310 76
East Kildonan	798 14	Low Farm	682 27
East Selkirk	350 16	Lundar	1,524 92
Ebor	304 48	Lyleton	1,552 80
Eden	857 75	McAuley	1,239 88
Edrans	577 16	McConnell	755 91
Elgin	2,105 46	McCreary	1,859 63
Elic	662 34	MacDonald	851 61
Elkhorn	3,626 46	MacGregor	3,348 16
Elm Creek	2,259 35	Maifeking	188 33
Elphinstone	904 87	Makinak	1,032 71
Elva	594 76	Manitou	4,692 90
Emerson	4,474 80	Manson	513 83
Erickson	593 33	Muriapolis	759 20
Eriksdale	1,464 03	Marquette	572 92
Erinview	296 14	Mather	1,006 05
Ethelbert	1,217 12	Meolara	820 28
Ewart	237 56	Melita	5,158 01
Fairfax	561 53	Miami	2,506 39
Fannystelle	805 96	Millwood	303 64
Firdale	221 43	Minota	2,121 68
Fork River	744 27	Minotnas	1,630 12
Forrest Station	543 36	Minnedosa	9,825 01
Foxwarren	2,503 38	Minto	1,772 77
Franklin	1,335 47	Moline	435 93
Gardenton	394 47	Moorepark	463 03

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF MANITOBA—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Morden	7,062 10	Stockton	642 49
Morris	2,634 50	Stonewall	5,437 99
Mowbray	378 42	Stony Mountain	572 08
Mulvihill	812 83	Strathelair	2,425 99
Myrtle	613 53	Stuartburn	279 33
Napinka	2,436 00	Swan Lake	1,697 07
Narceisse	373 41	Swan River	4,992 98
Neelin	573 55	Teulon	1,948 33
Neepawa	11,922 37	Thornhill	649 75
Nesbitt	952 01	Tilston	685 37
Newdale	2,995 68	Transcona	6,388 06
Ninette	2,582 98	Treesbank	575 90
Ninga	1,525 82	Trochuere	3,755 15
Notre Dame de Lourdes	976 27	Tyndall	795 60
Oak Bank	703 37	Underhill	261 30
Oakburn	687 46	Valley River	303 80
Oak Lake	3,853 32	Virden	12,378 33
Oak Point	632 23	Vista	368 50
Oak River	1,905 14	Vita	474 67
Oberon	317 99	Wakopa	248 00
Ochre River	1,254 86	Warrenton	434 89
Otterburne	1,241 81	Waskada	2,369 86
Petersfield	559 92	Wawanesa	7,218 18
Petrel	118 14	Wellwood	1,010 43
Pettapiece	262 65	Westbourne	1,307 61
Pierson	1,454 70	Wheatland	316 84
Pilot Mound	3,826 45	Whitemouth	969 92
Pipstone	1,845 16	Whitewater	426 11
Plumas	2,431 69	Winkler	2,536 31
Plum Coulee	1,711 38	Winnipeg	*2,452,902 96
Pope	379 61		
Poplar Point	707 51	*Divided as follows:—	
Portage la Prairie	33,542 83	Head Office	1,344,865 63
Purves	383 04	Station B	27,650 54
Rapid City	3,328 30	Station C	12,499 79
Rathwell	1,988 03	Station D	13,123 13
Reaburn	348 90	Sub-Office No. 2	5,537 18
Regent	337 55	Sub-Office No. 3	23,372 86
Rembrandt	211 10	Sub-Office No. 4	36,506 01
Reston	3,633 73	Sub-Office No. 5	14,604 31
Riding Mountain	548 96	Sub-Office No. 6	10,426 80
Ridgeville	742 17	Sub-Office No. 7	16,499 17
Rivers	2,573 68	Sub-Office No. 8	1,186 53
Roblin	4,413 93	Sub-Office No. 9	9,588 64
Roland	3,630 79	Sub-Office No. 10	20,413 53
Rosebank	629 23	Sub-Office No. 11	4,563 86
Roseisle	828 71	Sub-Office No. 12	5,864 68
Rosenfeld	765 41	Sub-Office No. 13	7,394 30
Rossburn	2,294 76	Sub-Office No. 14	1,777 38
Rossendale	537 34	Sub-Office No. 17	5,233 83
Rosser	1,026 89	Sub-Office No. 18	4,396 25
Rounthwaite	470 58	Sub-Office No. 19	820 00
Russell	6,453 24	Sub-Office No. 20	3,894 83
Ste. Agathe	581 77	Sub-Office No. 21	7,304 45
St. Alphonse	220 14	Sub-Office No. 22	4,360 25
Ste. Anne des Chènes	918 43	Sub-Office No. 23	670,421 75
St. Claude	1,116 78	Sub-Office No. 24	1,023 16
St. Jean Baptiste	1,235 06	Sub-Office No. 25	128,190 92
St. Laurent	832 66	Sub-Office No. 27	4,403 24
St. Lazare	503 32	Dickens	822 90
St. Norbert	741 69	Fort Rouge	12,778 55
St. Pierre Joly's	1,563 32	Grand Vital	715 73
Ste. Rose du Lac	1,985 84	Inkster	5,400 30
Sandy Lake	617 92	Karnac	4,450 73
Sanford	1,037 85	Kildonnan West	1,347 32
Scandinavia	125 50	King Edward	1,338 23
Selkirk	8,249 36	Louise Bridge	11,573 58
Shellmouth	847 79	Morse Place	161 00
Shoal Lake	5,240 33	Norwood Grove	11,553 94
Sidney	1,224 37	St. Boniface	16,837 66
Sifton	1,040 49	Winnipeg Beach	1,712 96
Silverton Station	440 18	Winnipegosis	2,283 63
Sinclair Station	814 31	Woodlands	583 12
Snow Flake	1,124 48	Woodnorth	604 92
Solsgrith	1,347 80	Non-Accounting Post Offices	53,836 64
Somerset	2,256 06		
Souris	8,389 65		
Sperling	1,652 75		
Sprague	392 86		
Starbuck	1,359 34		
Steinbach	1,624 59		
Stephenfield	237 71		
		Less value of Postage Stamps affixed to Postal Notes	2,607 57
			3,112,021 28
			3,109,413 71

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF SASKATCHEWAN.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Abbey	3,657 63	Carievale	1,887 21
Aberdeen	2,022 06	Carlyle	3,536 88
Abernethy	2,189 16	Carmel Station	440 87
Adamac	1,104 23	Carmichael	945 73
Admiral	2,549 90	Carnduff	4,199 24
Aiktow	356 42	Caron	2,400 43
Alameda	2,426 39	Carruthers	603 80
Allan	2,129 61	Cavell	656 48
Alida	544 81	Cedoux	515 97
Alsask	4,885 67	Central Butte	2,358 96
Amulet	870 06	Ceylon Station	2,366 80
Anerley	319 96	Chamberlain	1,560 70
Aneroid	3,635 76	Chaplin	3,095 06
Anglia	684 01	Churchbridge	1,213 49
Annaheim	534 57	Clair	1,038 26
Antelope	729 15	Clavet	456 52
Antler	1,422 85	Cloan	199 63
Arcola	5,728 50	Coderre	220 94
Ardath	1,372 02	Coleville	789 60
Argo	223 85	Colgate	492 85
Arran	866 97	Colonsay	1,258 84
Asquith	2,915 83	Colonsay	1,665 01
Assiniboia	9,143 16	Conquest	2,431 10
Atwater	767 97	Consul	882 83
Avonhurst	709 79	Corinne	447 82
Avonlea	2,557 38	Craik	4,978 47
Aylesbury	1,621 78	Craven	792 72
Baildon	418 59	Creelman	2,257 43
Balcarres	3,405 57	Crichton	435 92
Balgonie	1,352 99	Crooked River	454 61
Bangor	1,024 30	Cudworth	1,497 58
Baring	347 03	Cupar	3,626 77
Battleford	9,562 97	Cut Knife	1,726 93
Batttrum	1,018 15	Dafoe	707 10
Beadle	598 85	Dalmeny	550 18
Beatty	528 73	Dana	829 87
Beauchamp	202 58	D'Arcy Station	936 16
Beafield	223 27	Darnody	459 60
Belle Plaine	652 30	Davidson	5,689 99
Bender	601 05	Davin	273 45
Bengough	2,735 78	Davis	318 08
Benson	873 27	Daysville	182 80
Bethune	2,366 14	Deben	535 77
Beverley Station	580 33	Delisle	3,413 27
Beinfait	1,326 17	Delmas	457 16
Biggar	7,248 40	Denholm	1,127 90
Big River	2,329 50	Denzil	2,064 49
Birch Hills	2,087 11	Dewar Lake	593 05
Birmingham	214 56	Dilke	1,187 53
Bladworth	2,195 58	Dinsmore	2,047 15
Blaine Lake	2,668 86	Desley	788 21
Blucher	529 17	Dodsland	1,208 26
Blumenhof	361 88	Dollard	841 93
Boharm	638 76	Domremy	684 24
Borden	2,116 94	Donavon	877 78
Bounty	1,430 41	Drake	821 92
Bradwell	1,150 60	Drinkwater	1,704 63
Brattonb	333 35	Druid	1,130 31
Bredenbury	1,833 70	Dubuc	2,150 72
Bresaylor	439 69	Duck Lake	1,985 11
Bridgford	677 95	Duff	511 50
Briercrest	1,754 06	Dumas	516 95
Broadacres	488 20	Dummer	1,159 65
Broadview	4,203 81	Dunblane	1,907 25
Brock	2,411 10	Dundurn	2,908 63
Broderick	1,692 98	Dunfermline	341 43
Bromhead	1,680 81	Dunkirk	581 67
Brooking	407 03	Duval	1,617 54
Browning	380 38	Dysart	1,457 57
Brownlee	2,369 39	Earl Grey	2,200 01
Bruno	1,829 16	East End	3,506 20
Buchanan	2,244 78	Ebenezer	434 42
Bulyea	1,323 46	Edam	2,134 24
Buttress	349 28	Edenwold	660 75
Cabri	6,536 68	Edgeley	548 09
Cadillac	2,715 35	Elbow	3,371 30
Calder Station	1,096 74	Eldersley	252 74
Candiac Station	607 93	Eldred	1,75 75
Cando	643 54	Elfros	2,232 27
Canora	5,911 06	Elrose	3,055 84
Cantaur	594 08	Elstow	1,521 12
Canwood	1,190 29	Emmaville	151 26

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF SASKATCHEWAN—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts
Englefeld.....	648 90	Humboldt.....	11,275 35
Ernfold.....	1,767 05	Huntoon.....	323 91
Esk.....	250 89	Hyas.....	535 54
Esterhazy.....	2,775 48	Imperial.....	2,939 94
Estevan.....	16,119 93	Indian Head.....	9,443 10
Estlin.....	474 44	Insinger.....	605 82
Eston.....	3,088 39	Instow.....	543 07
Estuary.....	2,995 61	Invermay.....	1,127 57
Ettington.....	382 71	Ituna.....	1,377 79
Evesham.....	601 08	Jansen.....	1,890 35
Expense.....	2,575 91	Jasmin.....	470 89
Eyebrook.....	2,529 65	Kamsack.....	6,680 95
Fairlight Station.....	1,904 23	Kandalar.....	1,665 06
Fairmount Station.....	603 65	Keddleston.....	657 47
Fenwood.....	664 96	Keeler.....	1,412 27
Fielding.....	1,261 81	Kelfield.....	1,281 24
Fillmore.....	2,639 89	Kellihier.....	2,682 47
Findlater.....	973 19	Kelso Station.....	507 63
Fiske.....	1,431 30	Kelvington.....	466 15
Flaxcombe.....	1,599 69	Kenaston.....	1,526 81
Fleming.....	1,925 35	Kendal Station.....	476 14
Foam Lake.....	3,102 21	Kennedy.....	2,083 98
Forgan.....	531 81	Keppel.....	546 15
Forget.....	1,922 08	Kerr Robert.....	8,451 61
Forres.....	3,356 82	Khedive.....	953 48
Fort Pitt.....	213 50	Killaly.....	547 53
Fort Qu'Appelle.....	2,407 77	Kineaid.....	3,875 56
Fortune.....	233 32	Kincorth.....	420 93
Forward.....	323 32	Kinderley.....	8,416 12
Francis.....	2,163 01	Kimistno.....	2,825 88
Fröbisher.....	1,454 70	Kimley.....	1,459 45
Froude.....	593 13	Kipling Station.....	2,215 09
Gainsborough.....	2,513 95	Kisbey.....	2,685 99
Gerald.....	496 43	Kryonau.....	851 24
Gilroy.....	836 65	Krydor.....	972 92
Girvin.....	1,690 24	Kupof.....	948 75
Glassevin.....	237 62	Lafèche.....	3,720 91
Glen Ewen.....	2,636 30	Laird.....	1,109 17
Glenside.....	1,773 11	Lajord.....	1,017 01
Goodeve.....	1,806 45	Lake Valley.....	341 26
Goodwater.....	1,283 55	Lampman.....	1,822 72
Gorlitz.....	196 24	Lancer.....	2,514 73
Gouverneur.....	620 03	Landis.....	2,054 99
Govan.....	5,984 91	Lang.....	2,402 62
Govenlock.....	697 94	Langbank.....	612 64
Grand Coulee.....	717 12	Langenburg.....	1,789 25
Grandora.....	302 14	Langham.....	2,905 47
Gravelbourg.....	7,721 73	Lanigan.....	3,212 07
Gray.....	726 11	Lashburn.....	3,190 08
Grayson.....	1,425 14	Laura.....	1,416 01
Grenfell.....	5,586 70	Lawson.....	1,156 09
Griffin.....	1,572 88	Leader.....	6,019 65
Guernsey.....	1,719 01	Leask.....	1,720 29
Gull Lake.....	9,434 12	Lebert.....	842 29
Hafford.....	2,077 07	Leipzig.....	549 54
Hague.....	1,666 98	Lemberg.....	2,889 34
Halbrite.....	1,815 47	Lemsford.....	908 57
Hamton Station.....	321 31	Leney.....	1,048 61
Handel.....	667 30	Leofeld.....	99 82
Hanley.....	3,790 28	Leross.....	782 21
Hardy.....	540 38	Leslie Station.....	1,228 09
Harris.....	3,055 91	Lestock Station.....	1,007 71
Hawarden.....	2,183 45	Lewyan.....	808 31
Hazel Cliffe.....	365 48	Liberty.....	1,576 08
Hazenmore.....	2,294 92	Limerick.....	3,653 37
Hearne.....	562 42	Lipton.....	3,107 71
Hepburn.....	583 74	Lloydminster.....	8,391 71
Herbert.....	5,958 67	Lockwood.....	1,645 31
Herschel.....	2,265 62	Loreburn.....	2,349 59
Heward.....	1,385 55	Lorlie.....	494 31
Hirsch.....	476 67	Loverna.....	3,882 84
Hitchcock.....	331 05	Lumsden.....	3,244 61
Hoey.....	449 12	Luseland.....	2,956 86
Holdfast.....	1,512 68	Lydden.....	554 38
Hoodoo.....	129 23	McGee.....	913 49
Hoosier.....	441 28	McLean.....	675 66
Horizon.....	893 77	McTaggart.....	945 93
Howell.....	1,107 85	Macedowall.....	694 86
Hubbard.....	707 03	Macklin.....	1,075 42
Hudson Bay Junction.....	1,211 99	MacNutt.....	818 81
Hughton.....	1,948 71	Macoun.....	2,054 63
		Macrorie.....	1,911 12

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF SASKATCHEWAN—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Maidstone.....	2,704 80	Phippen.....	533 69
Major.....	1,414 91	Piapot.....	2,986 71
Manor.....	2,249 26	Pilot Butte.....	405 30
Maple Creek.....	13,519 63	Pinkham.....	1,027 01
Marcelin.....	1,682 62	Plato.....	2,009 92
Marchwell.....	659 56	Pleasantdale.....	228 88
Marengo.....	1,907 55	Plenty.....	1,637 65
Margo.....	1,122 80	Plunkett.....	1,111 69
Markinch.....	1,612 64	Ponteix.....	3,815 11
Marquis.....	1,477 97	Portreeve.....	1,081 26
Marshall.....	1,461 28	Preeceville.....	2,242 60
Maryfield.....	4,357 45	Prelate.....	3,281 89
Mawer.....	1,452 15	Primate.....	648 58
Maxim.....	397 16	Prince.....	586 92
Maymont.....	1,639 63	Prince Albert.....	34,628 92
Mazenod.....	1,980 83	Punnichy.....	2,505 76
Melaval.....	581 63	Qu'Appelle.....	4,307 65
Melfort.....	8,969 48	Quill Lake.....	2,397 34
Melville.....	9,121 69	Quinton.....	554 97
Meota.....	1,796 74	Radisson.....	4,369 04
Merid.....	469 82	Radville.....	3,864 81
Mervin.....	817 04	Rainton.....	235 67
Meyronne.....	3,526 31	Rama.....	630 63
Midale.....	1,911 32	Ravensrag.....	706 74
Mikado.....	567 41	Raymore.....	2,336 58
Milden.....	1,920 58	Readyn.....	2,104 74
Milestone.....	3,727 86	Red Deer Hill.....	254 41
Millerdale.....	302 39	Redvers.....	2,106 02
Mitchellton.....	636 67	Regina.....	*561,854 23
Montmartre.....	1,914 60		
Moosejaw.....	*119,764 35		
*Divided as follows:—			
Head Office.....	118,293 38	*Divided as follows:—	
Sub-Office No. 1.....	1,114 51	Head Office.....	304,734 03
Sub-Office No. 2.....	356 46	Sub-Office No. 1.....	247,216 00
Moosomin.....	9,386 32	Sub-Office No. 5.....	9,220 28
Morse.....	5,692 94	North Regina.....	411 56
Mortlach.....	4,598 67	Regina Junction.....	272 36
Mossbank.....	1,985 91	Regina Beach.....	500 96
Mozart.....	711 79	Renown.....	558 57
Muenster.....	789 99	Rhein.....	1,278 78
Naisberry.....	254 20	Riceton.....	900 68
Naseby.....	328 67	Richard.....	1,159 65
Neptune.....	400 63	Richardson Station.....	469 22
Netherhill.....	1,679 38	Richlea.....	865 86
Neudorf.....	2,291 83	Ridpath.....	395 78
Neville.....	2,170 33	Riverhurst.....	3,203 43
Nckomis.....	4,719 32	Robart.....	1,386 11
Noremac.....	695 67	Roanville.....	3,589 62
Norquay.....	1,100 85	Roche Porece.....	520 25
North Battleford.....	24,028 38	Rock Haven.....	1,285 52
Northgate.....	203 33	Rokey Station.....	454 45
North Portal.....	1,257 19	Rosetown.....	7,933 62
Nottingham.....	244 75	Rosdoff.....	383 05
Nut Mountain.....	132 67	Rosthern.....	5,413 91
Odessa Station.....	950 12	Rouleau.....	4,918 99
Ogema.....	3,448 23	Ruddell.....	1,295 22
Onion Lake.....	470 13	Runnydale.....	212 88
Oreadia.....	296 07	Rush Lake.....	2,004 08
Ormaux.....	126 46	Ruthilda.....	805 98
Ossage.....	1,494 35	Rutland Station.....	596 61
Oster.....	538 70	St. Benedict.....	173 05
Othton.....	438 28	St. Boswell's.....	515 80
Outlook.....	5,419 39	St. Brieux.....	895 39
Outram Station.....	326 40	St. Gregor.....	545 05
Oxbow.....	4,731 40	St. Hippolyte.....	168 33
Palmer.....	999 56	St. Hubert Mission.....	112 16
Pambrun.....	1,021 48	St. Louis.....	801 07
Pangman.....	1,634 59	St. Walburg.....	429 11
Parkbeg.....	1,107 88	Saltcoats.....	3,692 99
Parkside.....	1,149 41	Salvador.....	1,818 54
Parry.....	598 20	Saskatchewan Landing.....	367 51
Pasqua.....	934 55	Saskatoon.....	*190,398 69
Paswadin.....	605 52		
Pathlow.....	459 26	*Divided as follows:—	
Paynton.....	1,426 00	Head Office.....	177,472 83
Pelly.....	2,051 97	Nutana.....	7,036 79
Pennant Station.....	2,467 50	Sub-Office No. 2.....	4,151 85
Pense.....	2,783 75	Sub-Office No. 3.....	1,347 82
Penzance.....	921 78	Sub-Office No. 4.....	389 40
Pereival.....	221 63	Sceptre.....	2,729 23
Perdue.....	3,602 21	Scotsguard.....	1,766 60
		Scott.....	3,174 22
		Sedley.....	1,603 13
		Semans.....	4,235 61
		Senate.....	511 78

SESSIONAL PAPER No. 24

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF SASKATCHEWAN—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Senlac	1,522 39	Uren	362 61
Shaekleton	1,043 22	Valparaiso	390 15
Shaunavon	9,929 25	Vanguard	5,024 24
Sheho	1,820 13	Vanscoy	1,099 31
Shell Brook	3,869 86	Vantage	1,080 05
Sidewood	532 48	Vawn	670 17
Silton	1,151 35	Venn	1,206 65
Simpson	2,309 85	Verigin	1,197 25
Sintaluta	2,443 28	Verwood	2,464 45
Smiley	698 14	Vibank	809 49
Southey	2,324 50	Viceroj	2,276 90
South Fork	361 65	Vidora	1,334 29
Sovereign	1,706 42	Viscount	2,720 50
Spalding	695 98	Vonda	2,944 44
Speers	1,241 76	Wadena	4,696 02
Springside	1,250 69	Wakaw	2,426 85
Spring Valley	814 76	Waldeck	1,950 38
Springwater	1,179 00	Waldheim	1,174 96
Spruce Bluff	163 37	Waldron	1,375 10
Spy Hill	1,045 90	Walpole	561 07
Stalwart	774 72	Wapella	3,818 32
Star City	3,147 92	Warman	976 98
Stenen	1,643 65	Wartime	544 80
Stockholm	1,466 33	Waseca	1,092 35
Stony Beach	677 04	Watrous	5,116 90
Stornoway	1,080 24	Watson	3,074 88
Stoughton	3,428 77	Wauchope	787 69
Stranraer	1,070 77	Wawota	2,221 37
Strassburg Station	5,060 72	Webb	3,287 96
Strongfield	1,303 65	Weldon	974 28
Sturgis	784 11	Welwyn	1,725 34
Success	1,595 56	Weyburn	31,381 11
Summerberry	846 70	White Bear	361 70
Superb	470 73	Whitehead	3,713 67
Surbiton	313 16	Wilcox	2,925 31
Sutherland	1,672 61	Witkie	6,549 84
Swanson	1,279 33	Willow Brook	801 77
Swift Current	38,686 75	Willows	376 01
Tadmire	242 86	Willmar Station	686 38
Tako	262 60	Windthorst	2,558 51
Talmage	279 56	Winter	549 93
Tantallon	1,521 94	Wiseton	1,653 43
Tate	807 55	Wolfe	318 43
Taylorton	587 45	Wolsley	6,317 17
Tessier	1,880 26	Wood Mountain	753 99
Theodore	2,186 19	Woodrow	2,475 23
Tiny	201 63	Wroxton	657 63
Tisdale	3,967 69	Wyndmark	1,476 26
Togo	2,238 31	Wynyard	4,650 67
Tompkins	4,103 92	Yarbo	262 24
Torquay	892 18	Yellow Grass	3,626 73
Tramping Lake	1,466 27	Yorkton	28,902 28
Traynor	651 35	Young	3,324 11
Tregarva	459 73	Zealandia	2,799 11
Tribune	1,820 57	Zelma	918 04
Trossachs	863 03	Non-Accounting Post Offices	87,317 95
Truax	1,525 22		
Tuffnell	279 05		
Tugaske	3,128 38		
Turtleford	2,612 45	Less value of Postage Stamps affixed to Postal Notes	1,835 97
Tuxford	1,502 86		
Tyvan	1,628 98		
Unity	5,797 63		
			2,186,766 82

PROVINCE OF ALBERTA.

Acadia Valley	498 76	Ardrossan	477 05
Aeme	2,176 52	Aspen Beach	244 48
Aerial	327 56	Athabaska	2,649 67
Airdrie	1,733 35	Banff	9,856 31
Alderson	2,562 77	Bankhead	1,132 31
Aldersyde	569 62	Barrhead	295 19
Alhambra	364 22	Barrons	4,322 42
Alix	2,403 76	Bashaw	2,737 45
Alliance	1,868 97	Bassano	6,052 58
Altorado	68 20	Battle Lake	150 96
Amisk	916 38	Bawlf	2,393 21
Andrew	395 33	Bear Lake	318 06
Ankertown	134 99	Beaumont	280 39

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ALBERTA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Beaverlodge	561 57	Cheadle	487 10
Beaver Mines	317 51	Cherhill	324 71
Beiseker	1,634 98	Chinook	3,612 46
Bellevue	2,175 43	Chipman	1,674 00
Benalto	24 75	Clairmont	864 11
Bentley	1,173 54	Clareholm	7,419 05
Benton Station	597 91	Clemens	146 69
Beverley	1,147 78	Clive	1,647 23
Big Valley	3,009 46	Clover Bar	536 44
Bittern Lake	706 71	Cluny Station	1,718 92
Black Diamond	880 53	Clyde	934 55
Blackfalds	795 26	Coakdale	1,438 39
Blackfoot	298 81	Coalhurst	1,731 61
Blackie	2,812 20	Coalspur	2,756 82
Blairmore	4,734 76	Cochrane	2,404 97
Bluff Centre	58 22	Coleman	4,918 85
Bindloss	414 49	Coleridge	499 43
Bon Accord	576 72	Colinton	486 73
Bonnyville	339 80	Commerce	537 19
Botha	1,155 81	Compeer	1,151 57
Bottrel	329 28	Consort	2,892 28
Bowden	1,809 93	Coronation	6,355 30
Bowell	400 02	Coutts	894 07
Bow Island	4,533 26	Cowley	2,021 45
Boyle	235 10	Craigmyle	2,886 14
Braut	1,339 53	Crossfield	2,921 24
Bremner	560 10	Czar	2,279 26
Brightview	206 00	Dalemead	402 12
Brocket	592 73	Dalroy	529 15
Brooks Station	2,647 85	Dapp	317 83
Bruce	1,036 28	Daysland	3,283 61
Bruederheim	1,124 42	Delburne	2,010 60
Brule Mines	796 68	Delia	3,591 94
Bulwark	465 13	Denbush	183 85
Burdett	2,607 33	Dewberry	251 04
Burnis	238 33	De Winton	628 53
Busby	562 26	Diamond City	541 37
Cardogan	1,567 97	Didsbury	6,504 91
Caïms	360 34	Dinant	205 50
Calgary	*446,170 28	Dodds	170 59
*Divided as follows:—		Donalda	2,356 02
Head Office	303,619 97	Donnelly	244 96
Sub-Office No. 1	5,367 24	Dorenee	242 89
Sub-Office No. 2	375 69	Drumheiler	7,198 02
Sub-Office No. 3	638 93	Duchess	450 86
Sub-Office No. 4	4,305 82	Duffield	501 42
Sub-Office No. 5	964 56	Duhamel	584 15
Sub-Office No. 6	1,714 35	Dunstable	303 63
Sub-Office No. 7	3,970 01	Durlingville	294 10
Sub-Office No. 8	17,052 30	Dusseldorf	221 38
Sub-Office No. 9	87 77	Duverney	295 72
Sub-Office No. 10	587 48	Eckville	1,056 90
Sub-Office No. 11	1,215 74	Edberg	914 47
Sub-Office No. 13	329 00	Edgerton Station	2,790 16
Sub-Office No. 14	671 16	Edmonton	*284,866 78
Sub-Office No. 15	306 24	*Divided as follows:—	
Sub-Office No. 16	211 99	Head Office	255,428 73
Sub-Office No. 17	5,375 55	Sub-Office No. 1	12,706 00
Sub-Office No. 18	879 44	Sub-Office No. 2	463 09
Sub-Office No. 19	96,129 58	Sub-Office No. 3	6,239 15
Sub-Office No. 20	959 33	Sub-Office No. 4	1,039 77
Sub-Office No. 21	254 00	Sub-Office No. 5	167 18
Sub-Office No. 22	1,036 16	Sub-Office No. 6	110 00
Sub-Office No. 23	257 00	Sub-Office No. 7	170 00
Sub-Office No. 24	99 00	Sub-Office No. 8	160 00
Sub-Office No. 25	312 53	Sub-Office No. 10	8,382 86
Calmar	14,026 66	Edson	2,656 04
Camrose	1,671 90	Egremont Station	277 46
Camrose	1,316 40	Elk Point	711 69
Carbon	984 45	Ellscoot	161 48
Cardiff	7,317 56	Elnora	1,432 24
Cardston	3,948 05	Empress	4,551 33
Carmangay	240 76	Enchant	1,113 64
Carlsland	951 50	Ensign	485 66
Carstairs	4,227 33	Entrance	223 77
Carvel Station	163 96	Entwistle	803 28
Castor	4,030 44	Erskine	2,162 50
Cavendish	565 05	Etzikom	2,159 37
Cayley	2,000 85	Evansburgh	606 47
Cereal	3,171 01	Evarts	357 74
Champion	4,377 77	Excel	732 85
Chauvin	3,414 01	Exshaw	523 50

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ALBERTA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts		\$ cts
Eyremore.....	1,113 32	Lavoy.....	946 47
Falher.....	236 19	Lea Park.....	251 29
Fallis.....	276 09	Leduc.....	4,619 99
Favor.....	231 64	Leedale.....	304 63
Federal.....	153 66	Legal.....	891 00
Ferintosh.....	1,008 11	Legoff.....	114 12
Fishburn.....	215 16	Leslieville.....	772 32
Fleet.....	484 58	Lethbridge.....	61,987 00
Foremost.....	3,124 18	Lomond.....	2,661 73
Forestburg.....	1,609 42	Lonebutte.....	382 22
Fort McMurray.....	266 17	Lougheed.....	3,042 86
Fort Saskatchewan.....	4,918 83	Lousana.....	683 92
Frank.....	1,718 93	Lovettville.....	433 67
Gadsby.....	3,376 20	Loyalist.....	982 42
Gainford.....	307 16	Lucky Strike.....	408 34
Galahad.....	906 80	Lundbreck.....	1,034 00
Gem.....	404 74	McLellan.....	313 77
Ghost Pine Creek.....	456 17	Macleod.....	12,016 97
Gleichen.....	5,801 11	Magrath.....	3,768 07
Glenwoodville.....	360 36	Maleb.....	240 07
Glenbow.....	252 86	Mannville.....	3,134 00
Grainger Station.....	643 59	Manyberries.....	1,705 75
Grande Prairie.....	3,676 72	Markerville.....	839 65
Granum.....	4,004 60	Marlboro.....	652 94
Grassy Lake.....	2,491 10	Mayton.....	388 34
Green Court.....	275 94	McLeod Valley.....	135 71
Greenshields.....	345 92	Meechee.....	503 57
Grouard.....	653 34	Medicine Hat.....	52,362 37
Gwynne.....	730 45	Meeting Creek.....	782 20
Halkirk.....	2,074 47	Metiskow.....	935 72
Hanna.....	8,483 90	Midnapore.....	922 39
Hardieville.....	612 22	Milk River.....	2,400 74
Hardisty.....	4,022 08	Millarville.....	346 85
Hay Lakes.....	550 38	Millet.....	1,933 13
Haynes.....	289 34	Minburn.....	1,037 77
Hayter.....	589 58	Mirror.....	1,526 81
Heath.....	636 51	Monarch.....	846 72
Heatherdown.....	217 27	Monitor.....	3,094 92
Heisler.....	832 59	Morinville.....	2,260 53
Hespero.....	507 40	Morningside.....	334 01
High Prairie.....	809 05	Morrin.....	1,045 91
High River.....	9,144 42	Mountain Park.....	973 33
Hillcrest Mines.....	1,896 36	Mountain View.....	424 02
Holden.....	2,021 60	Mundare.....	2,526 01
Horse Hills.....	126 20	Munson.....	2,903 26
Hughenden.....	2,179 39	Myrnam.....	279 16
Hussar.....	378 50	Namaka.....	675 17
Hutton.....	458 39	Namao.....	383 35
Huxley.....	1,098 93	Nanton.....	6,430 63
Iddesleigh.....	598 94	Nemiskam.....	734 05
Innisfail.....	6,117 44	Nevis.....	534 59
Innisfree.....	2,201 74	New Dayton.....	1,369 73
Irma.....	2,544 90	New Norway.....	1,674 96
Iron Springs.....	183 47	Nightingale.....	335 97
Irricana.....	1,674 49	Nobleford.....	2,090 99
Irvine.....	2,609 68	Nordegg.....	1,870 55
Islay.....	2,035 64	Northbank.....	204 18
Jarrow.....	810 94	North Cooking Lake.....	246 99
Jasper.....	1,149 27	North Edmonton.....	6,441 40
Jenner.....	2,167 76	Ohaton.....	790 36
Junkins.....	745 33	Okotoks.....	3,417 63
Keoma.....	573 39	Olds.....	7,281 11
Killam.....	4,144 70	Oliphant Mines.....	243 15
Kilsey.....	60 80	Onoway.....	794 63
Kingman.....	549 58	Orion.....	1,133 35
Kinsella.....	851 10	Orton.....	124 30
Kinuso.....	365 89	Oyen.....	5,914 46
Kipp.....	292 97	Pakan.....	419 77
Kirealdy.....	416 16	Pakowki.....	493 74
Kirrienuir.....	1,018 30	Paradise Valley.....	144 09
Kitseoty.....	2,362 88	Parkland.....	1,070 64
Knee Hill Valley.....	365 08	Passburg.....	170 42
Lac la Biche Station.....	687 08	Peace River.....	4,312 92
Lacombe.....	10,752 51	Peers.....	382 44
Lac Ste. Anne.....	329 61	Penhold.....	1,558 76
Lake Louise.....	431 10	Phillips.....	321 12
Lake Saskatoon.....	1,248 97	Pineher Creek.....	7,153 66
Lamont.....	3,207 21	Pineher Station.....	747 49
L'Amoureux.....	110 91	Pine Creek.....	342 57
Landonville.....	115 15	Pine Lake.....	542 79
Langfine.....	492 21	Plamondon.....	251 99
Langdon.....	1,493 91	Pocohontas.....	777 40

9 GEORGE V, A. 1919

Gross Postal Revenue of Accounting Offices—Continued.

PROVINCE OF ALBERTA—Concluded.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Ponoka.....	5,480 59	Strathmore.....	4,163 78
Priddis.....	343 31	Strome.....	3,080 82
Provost.....	4,714 36	Suffield Station.....	1,487 31
Purple Springs.....	828 89	Sunnyslope.....	1,432 79
Queenstown.....	253 37	Swalwell.....	1,854 90
Ranfurly.....	729 98	Sylvan Lake.....	914 69
Raymond.....	3,366 09	Taber.....	9,057 25
Redcliffe.....	5,243 64	Tawatinaw.....	496 01
Red Deer.....	17,454 09	Tees.....	668 48
Reid Hill.....	222 57	Telfordville.....	175 43
Redland.....	315 40	Therien.....	266 07
Red Willow.....	735 02	Thorhild.....	315 09
Retlaw.....	2,564 76	Three Hills.....	3,528 39
Ribstone.....	570 54	Tilley Station.....	182 17
Richdale.....	2,210 19	Tofield.....	4,478 05
Rimbey.....	1,371 77	Tollerton.....	27 42
Riviere Qui Barre.....	386 58	Travers.....	1,768 01
Rockyford.....	1,181 39	Trochu.....	3,776 62
Rocky Mountain House.....	1,917 78	Tudor.....	352 15
Rosalind.....	277 62	Twin Butte.....	379 22
Rosebud Creek.....	802 48	Vegreville.....	9,075 50
Rosedale.....	493 11	Venice.....	112 33
Rosemead.....	109 49	Vermilion.....	10,114 05
Rosenroll.....	74 58	Veteran.....	2,763 11
Rosevear.....	208 19	Viking.....	3,928 04
Round Hill.....	1,318 92	Villeneuve.....	113 31
Rowley Station.....	554 50	Vulean.....	7,781 79
Rumsey.....	1,373 74	Wabamun.....	665 07
Ryley.....	1,724 79	Wainwright.....	6,811 84
St. Albert.....	1,454 99	Walsh.....	1,407 24
St. Paul de Metis.....	2,091 51	Wanekville.....	230 85
Sangudo.....	973 39	Warner.....	3,025 08
Sawridge.....	426 68	Waterhole.....	538 00
Sedgewick.....	4,481 91	Wayne.....	984 53
Seven Persons.....	1,366 66	West Edmonton.....	1,694 89
Sexmith.....	591 54	Westrose.....	195 79
Shandro.....	310 76	Westlock.....	1,858 41
Shepard.....	497 06	Wetaskiwin.....	12,741 72
Sibbald.....	2,330 74	Whitla.....	1,000 57
Sion.....	225 01	Wilhelmina.....	786 96
Spirit River.....	178 98	Winnifred.....	2,304 35
Spirit River Station.....	1,495 68	Winterburn.....	537 01
Spruce Grove.....	463 72	Wrentham.....	354 20
Stafford Village.....	659 23	Yeoford.....	237 43
Standard.....	1,356 10	Youngstown.....	7,329 56
Stanmore.....	1,209 42	Non-Accounting Post Offices.....	79,942 62
Stavely.....	3,693 40		
Stettler.....	9,011 36		
Steveville.....	537 44	Less value of Postage Stamps affixed to Postal	1,665,484 16
Stirling.....	619 03	Notes.....	1,400 04
Stoney Plain.....	2,265 81		
Stoppington.....	101 39		
Strathcona.....	24,001 65		1,664,084 12

PROVINCE OF BRITISH COLUMBIA.

Abbotsford.....	2,862 62	Barriere.....	384 61
Adelphi.....	441 24	Baynes Lake.....	866 80
Agassiz.....	2,296 50	Beaton.....	198 44
Agerton.....	163 46	Bella Coola.....	795 75
Ainsworth.....	1,035 38	Bevan.....	358 93
Alberni.....	2,523 66	Big Bay.....	218 29
Albion.....	230 88	Blubber Bay.....	200 33
Aldergrove.....	958 47	Blue River.....	352 65
Aleza Lake.....	261 27	Boswell.....	234 73
Alert Bay.....	973 35	Boundary Falls.....	100 80
Aliee Arm.....	551 82	Bowen Island.....	442 38
Alta Vista.....	583 67	Braekendale.....	240 94
Anyox.....	5,652 91	Bridesville.....	396 30
Armstrong.....	7,435 42	Britannia Beach.....	4,954 02
Arrowhead.....	888 02	Bull River.....	930 01
Arrow Park.....	288 06	Burnaby Lake.....	762 51
Ashcroft.....	4,675 63	Burton.....	293 34
Atholmer.....	515 53	Campbell River.....	1,110 26
Atlin.....	1,126 83	Canford.....	135 82
Balfour.....	1,106 87	Canford Mill.....	859 99
Bamfield.....	965 23	Canoe.....	300 56
Barkerfield.....	467 08	Carmi.....	279 43
Barnet.....	248 46	Cascade.....	568 35

SESSIONAL PAPER No. 24

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF BRITISH COLUMBIA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Castlegar.....	707 99	Hagensborg.....	245 48
Cedarvale.....	281 06	Harrison Mills.....	437 64
Celista.....	198 73	Harrop.....	334 04
Central Park.....	1,580 71	Hatzie.....	1,437 70
Chamadaska.....	118 49	Haysport.....	192 42
Chase.....	2,699 78	Hazelton.....	2,644 35
Chase River.....	237 10	Headquarters.....	645 78
Chemainus.....	2,244 33	Hedley.....	1,581 98
Chilliwack.....	11,468 36	Heffley Creek.....	356 38
Clayburn.....	1,398 17	Heriot Bay.....	419 55
Clayoquot.....	196 02	Hillier's Crossing.....	225 40
Clinton.....	1,498 44	Holberg.....	56 78
Cloverdale.....	3,212 47	Hollyburn.....	1,093 40
Coal Creek.....	656 13	Hlope.....	1,286 79
Coalmont.....	185 27	Hosmer.....	315 01
Cobble Hill.....	1,495 49	Houston.....	234 77
Cogblan.....	272 68	Huntingdon.....	601 93
Collingwood East.....	1,971 41	Illicillewaet.....	105 03
Collingwood West.....	294 36	Invermere.....	961 35
Colwood.....	1,214 44	Inverness.....	530 47
Comox.....	917 53	Ioco.....	976 22
Coombs.....	376 00	Irvine's Landing.....	562 83
Copper Mountain.....	806 45	Jaffray.....	911 50
Corbin.....	831 97	James Island.....	877 17
Cortez Island.....	208 54	James Road.....	637 95
Courtenay.....	3,138 10	Joyce.....	711 86
Coutlee.....	47 85	Jubilee Station.....	779 97
Cowichan Station.....	1,055 28	Kaleden.....	180 19
Craigellachie.....	75 55	Kamloops.....	23,907 76
Cranbrook.....	15,201 38	Kaslo.....	4,005 19
Crawford Bay.....	237 00	Keating.....	283 84
Crescent.....	247 11	Kelowna.....	14,331 35
Crescent Valley.....	311 99	Keremeos.....	1,300 87
Creston.....	2,800 63	Keremeos Centre.....	25 95
Crofton.....	334 30	Kerrisdale.....	6,256 83
Crows Nest.....	470 74	Kildonan.....	327 45
Cumberland.....	5,274 18	Kimberley.....	1,245 08
Deerholme.....	8 59	Kingcome Inlet.....	408 31
Denman Island.....	385 92	Kitwanga.....	287 36
De Roche.....	461 84	Koksilah.....	321 68
Dewdney.....	459 97	Kuper Island.....	155 04
Discovery.....	472 43	Lac la Hache.....	366 06
Duncan Station.....	9,535 67	Ladner.....	4,299 25
Earl's Road.....	762 31	Ladysmith.....	6,103 68
East Burnaby.....	1,033 27	Langford Station.....	346 65
East Wellington.....	536 65	Langley Fort.....	1,052 33
Eburne.....	1,430 13	Langley Prairie.....	1,295 38
Edgewood.....	601 41	Lasqueti.....	123 68
Edmonds.....	3,280 00	Lazo.....	94 32
Eholt.....	231 21	Lillooet.....	1,754 10
Elko.....	716 52	Lower Nicola.....	314 02
Endako.....	325 17	Lucerne Station.....	596 06
Enderby.....	3,938 75	Lunby.....	668 38
Erickson.....	584 45	Lund.....	555 36
Erie.....	203 22	Lynn Creek.....	1,363 85
Extension.....	287 75	Lytton.....	1,557 41
Fairview.....	567 06	McBride.....	1,007 48
Fauquier.....	85 61	McKay.....	1,319 95
Ferguson.....	254 55	Maillardville.....	653 81
Fernie.....	15,948 68	Malakwa.....	412 21
Fern Ridge.....	274 83	Mara.....	414 95
Flagstone.....	515 46	Marpole.....	2,371 35
Field.....	1,959 28	Marysville.....	323 73
Fort Fraser.....	498 92	Massett.....	314 66
Fort George.....	421 21	Matsqui.....	849 63
Fort Steele.....	796 37	Mayne.....	913 78
Francois Lake.....	245 63	Maywood.....	1,877 63
Fraser Mills.....	1,624 84	Merritt.....	5,133 76
Fruitvale.....	492 93	Midway.....	510 41
Galliano.....	404 05	Mill Bay.....	798 94
Ganges.....	1,353 51	Mlner.....	164 81
Genoa Bay.....	345 24	Milne's Landing.....	5,221 05
Gerrard.....	121 21	Mission City.....	417 09
Gibson Landing.....	723 60	Mount Lehman.....	164 41
Giscome.....	1,092 34	Mount Olie.....	631 61
Glaeier.....	925 54	Moxie.....	1,097 01
Golden.....	5,397 16	Murrayville.....	1,970 76
Grand Forks.....	8,758 61	Nakusp.....	25,884 55
Granite Bay.....	71 85	Nanaimo.....	531 67
Green Point Rapids.....	354 64	Nanaimo Bay.....	
Greenwood.....	4,091 29		
Grindrod.....	330 10		

GROSS Postal Revenue of Accounting Offices—Continued.

PROVINCE OF BRITISH COLUMBIA—Continued.

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Naramata	784 95	Rutland	521 51
Natal	1,837 61	Salmo	1,052 39
Needles	262 89	Salmon Arm	6,332 04
Nelson	35,356 79	Salt Spring Island	483 47
New Denver	2,184 44	Sandon	1,998 26
Newgate	328 36	Sandwick	520 60
New Hazelton	627 44	Sardis	2,278 00
New Westminster	*51,721 30	Savona	848 72
*Divided as follows:—		Sayward	161 96
Head Office	49,134 25	Sechelt	629 21
Sub-Office No. 2	1,232 05	70-Mile House	197 04
Queensborough	141 83	Seymour Arm	145 32
Sapperton	1,213 17	Shawnigan Lake	1,196 14
Nicola	596 91	Sheep Creek	19 33
North Bend	804 61	Shuswap	346 79
Northfield	274 03	Sicamous	1,224 64
North Lonsdale	1,155 90	Sidney	3,723 05
North Vancouver	*12,980 95	Silverdale	399 46
*Divided as follows:—		Silverton	2,744 72
Head Office	11,700 91	Sinoom Sound	280 44
Sub-Office No. 1	1,280 04	Skeena Crossing	168 89
Notch Hill	716 02	Slocan	793 51
Oakalla	117 51	Smithers	1,752 33
Ocean Falls	4,531 06	Sointula	414 60
Okanagan Centre	587 37	Somenos	452 72
Okanagan Falls	217 37	Sooke	690 39
Okanagan Landing	577 24	South Fort George	1,060 70
Okanagan Mission	423 00	South Salt Spring	262 43
150-Mile House	853 36	South Slocan	335 53
Owl Creek	170 06	South Wellington	838 53
Oyama	519 64	South Westminster	88 52
Pacific	263 01	Spence's Bridge	721 75
Parksville	1,631 26	Sperring Station	347 35
Poulsen	205 17	Spuzzum	400 42
Peachland	1,285 11	Squamish	845 85
Pender Island	496 78	Stave Falls	542 89
Penticton	10,656 48	Steveston	3,188 15
Perry Siding	487 58	Stewart	322 31
Phoenix	2,863 31	Strawberry Vale	147 18
Pitt Meadows	474 18	Sullivan Station	321 46
Point Grey	388 04	Summerland	3,516 33
Port Alberni	3,490 09	Surf Inlet	641 35
Port Alice	636 47	Surrey Centre	417 85
Port Clements	367 95	Swanson Bay	1,502 16
Port Coquitlam	2,943 37	Taft	132 74
Port Essington	1,032 44	Telkwa	895 18
Port Hammond	2,240 71	Terrace	886 52
Port Haney	2,442 61	Thurlow	267 40
Port Kells	321 67	Tod Inlet	316 52
Port Mann	546 59	Tofino	262 41
Port Moody	3,350 21	Trail	11,819 36
Port Renfrew	460 34	Trout Lake	280 91
Port Simpson	566 96	Tulameen	191 59
Port Washington	225 66	Turgoose	932 42
Pouce Coupé	606 19	Ucluellet	378 66
Powell River	5,259 23	Union Bay	1,651 82
Prince George	4,462 61	Vananda	897 26
Prince Rupert	22,817 42	Vancouver	*667,280 27
Princeton	3,354 63	*Divided as follows:—	
Pritchard	511 73	Head Office	493,598 24
Procter	594 37	Station B	32,119 76
Qualicum Beach	1,538 05	Station C	7,052 04
Quathiaski Cove	496 45	Sub-Office No. 1	4,052 66
Quatsino	519 37	Sub-Office No. 2	455 53
Queen Charlotte	424 49	Sub-Office No. 3	18,478 20
Queen's Bay	192 18	Sub-Office No. 4	775 62
Quesnel	3,418 39	Sub-Office No. 5	5,108 87
Quilchena	278 06	Sub-Office No. 6	11,990 56
Red Gap	583 44	Sub-Office No. 7	6,057 63
Revelstoke	12,978 83	Sub-Office No. 8	9,949 94
Riondel	558 86	Sub-Office No. 9	1,374 16
Riske Creek	342 04	Sub-Office No. 10	3,015 73
Riverside Inn	556 32	Sub-Office No. 12	6,101 40
Rivers Inlet	299 09	Sub-Office No. 15	2,939 70
Robson	397 89	Sub-Office No. 16	645 81
Rock Bay	578 02	Sub-Office No. 17	988 33
Rock Creek	588 85	Sub-Office No. 18	9,429 50
Rolla	187 48	Sub-Office No. 19	12,680 35
Rosedale	741 26	Sub-Office No. 20	2,499 07
Rossland	10,575 53	Sub-Office No. 21	1,018 60
Royal Oak	1,561 97	Sub-Office No. 22	1,640 69
Ruskin	414 61	Sub-Office No. 25	17,952 87

SESSIONAL PAPER No. 24

Gross Postal Revenue of Accounting Offices—*Concluded.*

PROVINCE OF BRITISH COLUMBIA—*Concluded.*

Name of Office.	Revenue.	Name of Office.	Revenue.
	\$ cts.		\$ cts.
Vancouver— <i>Concluded.</i>		Victoria— <i>Concluded.</i>	
*Divided as follows.		*Divided as follows.	
Adela.....	2,579 86	Beaumont.....	3,080 82
Britcola.....	448 73	Esquimalt.....	1,708 26
Cedar Cottage.....	2,039 46	Thoburn.....	5,209 34
City Heights.....	2,910 06	Willow Park.....	2,034 70
Fraser Avenue.....	1,324 26	Waldo.....	1,213 21
Grimmett.....	421 41	Walbachin.....	713 16
Hastings.....	678 09	Waneta.....	324 24
North Arm.....	688 79	Wardner.....	898 31
South Hill.....	3,797 93	Wellington.....	1,458 38
South Vancouver.....	99 18	Westbank.....	432 26
Sunnydene.....	727 00	West Grand Forks.....	413 16
Vancouver Heights.....	1,345 30	Westholme.....	659 25
Winnot.....	294 94	West Summerland.....	2,957 51
Vanderhoof.....	1,016 78	Whaletown.....	333 75
Vernon.....	21,232 80	White Rock.....	1,818 60
Vicosa.....	606 04	Whonnock.....	628 76
Victoria.....	*222,375 91	Wilmer.....	113 44
*Divided as follows:—		Windermere.....	183 38
Head Office.....	192,278 58	Winlaw.....	264 11
Sub-Office No. 1.....	1,332 94	Wycliffe.....	861 00
Sub-Office No. 2.....	689 00	Yahk.....	295 65
Sub-Office No. 3.....	3,951 00	Yale.....	464 30
Sub-Office No. 4.....	1,696 35	Yennadon.....	103 96
Sub-Office No. 5.....	2,069 17	Ymir.....	723 09
Sub-Office No. 6.....	1,375 00	Non-Accounting Post Offices.....	55,745 77
Sub-Office No. 7.....	2,153 78		
Sub-Office No. 8.....	463 00		1,612,439 20
Sub-Office No. 9.....	710 00	Less—Value of Postage Stamps affixed to	
Sub-Office No. 10.....	409 00	Postal Notes.....	1,349 73
Sub-Office No. 11.....	222 91		
Sub Office No. 12.....	2,992 06		1,611,089 47

YUKON.

Carcross.....	959 55	Less—Value of Postage Stamps affixed to	
Carmacks.....	276 19	Postal Notes.....	16 76
Dawson.....	12,222 66		
Hunker.....	119 04		13,414 09
White Horse.....	3,493 16	Dead Letter Office.....	611 83
Non-Accounting Post Offices.....	1,360 25	High Commissioner's Office.....	0 26
	18,430 85		

REVENUE OF NON-ACCOUNTING POST OFFICES.

REVENUE Collected by Postmasters of Non-Accounting Post Offices in the Dominion of Canada during the year ended March 31, 1918.

Name of Post Office.	Province	Revenue	Name of Post Office.	Province	Revenue.
		\$ cts.			\$ cts.
Abbeville	Man	61 75	Alexandria	B.C.	132 50
Abbotshall	Man	43 19	Alexandrina	N.B.	37 00
Abenakis	P.Q.	35 50	Alexis Creek	B.C.	275 61
Aberdeen	Ont.	51 90	Alford	Sask.	68 50
Aberdeen	N.S.	49 26	Alice	Ont.	160 76
Abigail	Man	27 00	Alingly	Sask.	138 90
Abilene	Alberta	83 60	Alkali Lake	B.C.	37 95
Abney, Lot 64	P.E.I.	150 00	Allainville	N.B.	27 01
Abram-River	N.S.	60 00	Allanburg	Ont.	335 47
Abrams-Village	P.E.I.	143 80	Allandale	N.B.	36 00
Acaciaville	N.S.	406 19	Allan Hills	Sask.	59 50
Acadie	N.B.	80 44	Allanlea	Man	5 00
Acadie-Siding	N.B.	92 40	Allans Corners	P.Q.	162 00
Acorn (closed 1-9-17)	Man	28 00	Allan Water	Ont.	170 50
Ada	Sask.	95 50	Allard	P.Q.	100 30
Adair	Sask.	174 35	Allegra (opened 1-3-18)	Man	10 00
Adams (opened 1-9-17)	Sask.	76 00	Allendale	N.S.	354 95
Adams Lake	B.C.	31 90	Allen Grove	B.C.	20 00
Adderley	P.Q.	46 30	Allen's Mills	P.Q.	105 70
Addingham	Man	103 70	Allerton	Alberta	160 60
Addington-Forks	N.S.	16 00	Alloa (closed 1-2-18)	Ont.	5 22
Adelard	Ont.	30 00	Alsaw	Ont.	42 75
Aden	Alberta	126 10	Allumette Island	P.Q.	119 37
Admaston	Ont.	205 42	Alma	N.S.	307 69
Admiral Rock	N.S.	49 00	Alma	P.E.I.	350 90
Advance	Ont.	6 50	Almasippi	Man	55 50
Adna	Alberta	350 07	Almaville	P.Q.	267 29
Afton	N.S.	293 96	Alpha	Sask.	57 35
Afton-Station	N.S.	63 15	Alpine (closed 1-7-17)	Man	5 00
Agapit	N.B.	13 25	Alpine Ridge	N.S.	15 00
Agardsley	Man	40 86	Alport	Ont.	101 07
Aguanish	P.Q.	28 46	Alta Lake	B.C.	199 30
Ahmie Lake	Ont.	125 05	Alticane	Sask.	21 00
Ahousat	B.C.	60 72	Alton	N.S.	159 20
Ahuntsic	P.Q.	a	Alvaston	B.C.	111 00
Ainslie Glen	N.S.	23 00	Alvena	Sask.	47 20
Ainslie Point	N.S.	25 50	Alvin	B.C.	46 00
Aiyansh (opened 1-5-17)	B.C.	53 50	Amaranth Station	Ont.	104 30
Akerly	N.B.	15 09	Amateur	P.Q.	40 50
Akra	Sask.	32 56	Amazon	Sask.	430 58
Alainbourg	P.Q.	31 00	Ambles	Sask.	40 26
Allandale	P.Q.	36 75	Ambrose	Ont.	64 00
Alba	N.S.	49 70	Amelia	Sask.	243 20
Albany Cross	N.S.	55 02	Amethyst	Alberta	69 00
Albas	B.C.	63 51	Amherst Point	N.S.	53 60
Albeck (closed 1-8-17)	Alberta	5 75	Amirault Hill	N.S.	213 00
Albert Beach S.O. (opened 1-7-17)	Alberta	32 00	Ammon	N.B.	15 00
Albert Bridge	N.S.	128 01	Amsterdam	Sask.	104 06
Albert Canyon	B.C.	240 05	Anagance Ridge	N.B.	19 50
Albertine	N.B.	211 20	Anderson	N.B.	50 00
Albertine	N.B.	277 20	Anfield	N.B.	55 45
Albert Mines	P.Q.	162 00	Ange Gardien	P.Q.	215 00
Albert Mines	P.Q.	97 25	Ange Gardien, Est	P.Q.	42 20
Albert Park	Alberta	109 65	Angeline	P.Q.	97 00
Alberton	Ont.	167 50	Angle Lake	Alberta	170 47
Albertown	Sask.	109 65	Anglemount	B.C.	41 10
Albertville	P.Q.	69 00	Angoulême	P.Q.	25 05
Albertville	Sask.	189 05	Anjou	P.Q.	80 65
Albion	P.E.I.	96 28	Annable	B.C.	85 95
Albion	Ont.	148 60	Annandale	N.S.	87 50
Albion Ridge	Alberta	60 25	Annette	Sask.	59 05
Alcida	Ont.	76 47	Allan Water	Ont.	170 50
Alcona	N.B.	45 00	Annidale	N.B.	210 50
Alcorn	Ont.	175 35	Annieheld	Sask.	17 75
Alderdale	Ont.	83 00	Anning	Alberta	101 32
Alder Point	N.S.	83 00	Anselmo	Alberta	96 30
Alder River	N.S.	11 00	Anthony	Ont.	35 70
Aldersville	N.S.	78 70	Antigonishe Harbour	N.S.	30 01
Alderville	Ont.	42 50	Antigonishe Harbour (south side)	N.S.	37 00
Alderwood (opened 8-12-17)	N.B.	32 00	Antioch	Ont.	20 00
Aldina	Sask.	43 04	Antrim	N.S.	17 00
Aldouane	N.B.	65 20	Anvers	P.Q.	39 00
Alencon	P.Q.	76 00			

aFor Revenue see under Montreal Sub-offices.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Anvil Island.....	B.C.	28 00	Aspdin.....	Ont.	154 45
Apleby Corner (closed 21-7-17).....	Ont.	17 00	Aspen.....	N.S.	110 20
Appledale.....	B.C.	250 67	Aspen Grove.....	B.C.	100 00
Apple River.....	N.S.	301 43	Aspotogan.....	N.S.	55 25
Aquadell.....	Sask.	52 20	Asselin.....	P.Q.	21 36
Arabella.....	Sask.	50 55	Aston Junction.....	P.Q.	307 73
Arawana.....	Man.	37 15	Aston Station.....	P.Q.	154 60
Arbakka.....	Man.	117 11	Astorville.....	Ont.	231 06
Arbeau.....	N.B.	21 28	Astwood.....	Sask.	37 70
Arborfield.....	Sask.	231 23	Atalanta.....	P.Q.	49 96
Arbury.....	Sask.	23 20	Atchelitz.....	B.C.	361 75
Arcata.....	Sask.	9 00	Atherton.....	Ont.	22 00
Archibald.....	N.S.	54 25	Athol.....	Ont.	97 30
Archibald Settlement.....	N.B.	70 30	Atkinson.....	Sask.	75 00
Archive.....	Sask.	136 75	Atlanta.....	N.S.	43 00
Archydal.....	Sask.	188 40	Atlantic.....	N.S.	41 00
Ardbeg.....	Ont.	327 75	Atlas.....	Sask.	118 78
Ardenode.....	Alberta.	284 05	Atlee.....	Alberta.	645 71
Ardenville.....	Alberta.	21 25	Atnarko.....	B.C.	34 25
Ardill.....	Sask.	189 30	Atwood's Brook.....	N.S.	125 51
Ardkenneth.....	Sask.	65 72	Auberivière.....	P.Q.	46 50
Ardley.....	Alberta.	270 97	Aubigny.....	Man.	213 05
Ardley.....	B.C.	267 80	Auburn.....	P.E.I.	15 50
Ardmore.....	Alberta.	27 70	Auburndale.....	N.S.	38 25
Ardness.....	N.S.	52 00	Auburndale.....	Alberta.	87 50
Ardoch.....	Ont.	333 15	Auburnton.....	Sask.	5 00
Ardslay.....	Sask.	69 75	Auburnville.....	N.B.	52 50
Ardtree.....	Ont.	47 00	Audet.....	P.Q.	180 06
Ardree (closed 8-5-17).....	Sask.	50 00	Auld.....	Ont.	200 21
Argenta.....	B.C.	57 25	Auld's Cove.....	N.S.	228 50
Argentenay.....	P.Q.	62 70	Authier (opened 1-10-17).....	P.Q.	83 80
Argyle.....	N.B.	113 42	Autrorad.....	Sask.	53 00
Argyle.....	N.S.	111 00	Auvergne.....	P.Q.	183 87
Argyle (closed 1-9-17).....	Man.	9 00	Avalon.....	Alberta.	46 00
Argyle Head.....	N.S.	162 00	Avery's Portage.....	N.B.	69 08
Argyle Sound.....	N.S.	130 00	Avebury.....	Sask.	109 00
Argyle South.....	N.S.	145 00	Avoca.....	P.Q.	238 00
Arisaig.....	N.S.	116 20	Avola.....	B.C.	125 70
Arkell.....	Ont.	174 75	Avon.....	P.Q.	21 22
Arlington.....	N.S.	32 20	Avondale.....	N.S.	32 00
Arlington West.....	N.S.	17 70	Avondale Station.....	Sask.	178 77
Armada.....	Alberta.	258 20	Avonhill.....	Sask.	45 50
Armada.....	Ont.	50 60	Avonmore.....	N.B.	66 00
Armada.....	P.E.I.	330 84	Avonport.....	N.S.	89 75
Armagh Station.....	P.Q.	205 00	Axe Lake.....	Ont.	33 98
Armdale (late Dutch Village 1-6-17).....	N.S.	6 00	Axford.....	Sask.	223 65
Armena (opened 1-5-17).....	Alberta.	87 00	Aylesworth.....	Ont.	51 00
Armitage.....	Ont.	85 27	Ayotte.....	P.Q.	18 50
Armley.....	Sask.	56 00	Azilda.....	Ont.	178 10
Armoryn.....	Sask.	12 50			
Armourique (summer office).....	P.Q.	126 05	Babineau.....	N.B.	11 01
Armstrong.....	P.Q.	126 05	Baccaro.....	N.S.	179 00
Armstrong's Brook.....	N.B.	33 60	Back Bay.....	N.B.	406 58
Armstrong's Corner.....	N.B.	147 20	Back Shore (closed 1-5-17).....	N.S.	59 60
Armstrong Station.....	Ont.	329 20	Baddeck Bay.....	N.S.	51 90
Amer.....	Ont.	452 05	Baddeck Bridge.....	N.S.	18 00
Ames.....	Man.	307 20	Baddeck River, North Branch.....	N.S.	249 05
Arnold.....	N.S.	71 50	Badger.....	Man.	53 00
Arnott (closed 1-6-17).....	Ont.	9 00	Badger Lake.....	Alberta.	215 25
Arnstein.....	Ont.	376 71	Bagley.....	Sask.	47 99
Aroostook Portage.....	N.B.	14 00	Baie de la Trinite.....	P.Q.	42 03
Arriadale.....	B.C.	198 70	Baie des Bacons.....	P.Q.	61 10
Arrowwood.....	Alberta.	37 80	Baie des Rochers.....	P.Q.	20 00
Arsenault.....	P.Q.	12 00	Baie d'Urfe, summer office.....	P.Q.	42 00
Arsenault Siding.....	N.B.	275 76	Baie Johan Beetz.....	P.Q.	92 25
Arthurette.....	N.B.	66 58	Baie Ste. Anne (opened 1-3-17).....	N.B.	12 50
Arthurville.....	P.Q.	61 50	Baie St. Nicholas.....	P.Q.	190 25
Artland.....	Sask.	675 19	Baintree.....	Alberta.	59 51
Artois.....	P.Q.	60 30	Baird.....	Ont.	60 70
Arvilla.....	Alberta.	109 84	Bairdsville.....	N.B.	46 70
Assissippi (closed 1-11-17).....	Man.	82 95	Baker.....	B.C.	192 76
Ash.....	Ont.	154 25	Baker Settlement.....	N.S.	52 26
Ashby.....	N.S.	a	Balaclava.....	Ont.	23 00
Ashdale.....	N.S.	6 00	Bald Rock.....	N.S.	113 00
Ashfield.....	N.S.	27 00	Bala Park (summer office).....	Ont.	210 00
Ashkirk (opened 1-3-18).....	Man.	10 00	Baldwin.....	Ont.	55 55
Ashmont.....	Alberta.	241 90	Baldwin's Road.....	P.E.I.	4 00
Ashmore.....	N.S.	144 22	Baleine.....	N.S.	107 50
Ash Point.....	N.B.	17 00	Baljenie.....	Sask.	113 77
Ashton Station.....	Ont.	264 18	Ballentyne.....	Alberta.	145 33
Askiton.....	N.S.	27 79	Ballantyne's Cove.....	N.S.	20 25
Asor.....	Sask.	137 51	Balla Philip.....	N.B.	

†For Revenue see under Sydney Sub-Offices.

‡For Revenue see under Halifax Sub-Offices.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Ballinora.....	Sask.....	81 55	Batesville (summer office).....	P.Q.....	85 00
Ballysheen (summer office opened 1-7-17).....	Ont.....		Bathgate.....	Alberta...	44 50
Balm.....	Alberta.....	50 98	Bath Road.....	Ont.....	360 25
Balmoral.....	Ont.....	160 93	Bathurst Mines.....	N.B.....	49 60
Balmoral.....	N.B.....	265 42	Batiscan Station.....	P.Q.....	556 00
Balmoral.....	N.S.....	12 00	Batoche.....	Sask.....	100 00
Balmoral Mills.....	N.S.....	96 74	Battenburg.....	Alberta.....	56 95
Balsam.....	Ont.....	122 67	Battle Bend.....	Alberta.....	106 52
Balsam Bay.....	Man.....	123 00	Battle Creek.....	Sask.....	62 70
Baltic.....	P.E.I.....	91 40	Battle Ridge.....	Alberta.....	124 24
Balvenie.....	Ont.....	43 25	Battle Valley.....	Sask.....	15 25
Bamberg.....	Ont.....	252 00	Battleview.....	Alberta.....	95 50
Bangs Falls.....	N.S.....	74 50	Beauval.....	Sask.....	24 50
Bangsund.....	Sask.....	13 50	Bavelaw (closed 5-1-18).....	Sask.....	5 20
Banks-of-Broad Cove.....	N.S.....	25 00	Baxter's Harbour.....	N.S.....	37 25
Banning.....	Ont.....	84 00	Baxterville.....	Sask.....	33 00
Bannon.....	N.B.....	18 00	Bayard.....	P.Q.....	57 14
Baptiste.....	Ont.....	102 00	Bayard Station.....	Sask.....	199 88
Baraca.....	Alberta.....	141 90	Bay du Vin.....	N.B.....	347 00
Barachois.....	N.B.....	65 00	Bay du Vin Mills.....	N.B.....	10 00
Barachois-Harbour.....	N.S.....	84 00	Bayer Settlement.....	N.S.....	46 26
Barachois Ouest.....	P.Q.....	96 00	Bayham.....	Ont.....	159 18
Barbeau.....	Alberta.....	22 54	Bayhead.....	N.S.....	259 92
Barberton.....	N.S.....	7 00	Bay Road Valley.....	N.S.....	14 70
Bardal.....	Man.....	11 00	Bayside.....	N.S.....	79 80
Bar de Cocagne.....	N.B.....	50 00	Bayside.....	N.B.....	82 95
Bardsville.....	Ont.....	83 70	Bay St. Lawrence.....	N.S.....	95 26
Barick.....	Alberta.....	43 50	Bayswater.....	N.B.....	58 60
Barkers Point.....	N.B.....	91 20	Bayswater.....	N.S.....	93 95
Barkfield.....	Man.....	57 25	Bayswater.....	Ont.....	a
Bark Lake.....	Ont.....	46 00	Bayton.....	Man.....	34 00
Barkmere (summer office).....	P.Q.....	56 00	Bay View.....	N.S.....	58 50
Barkway.....	Ont.....	163 74	Bay View.....	N.B.....	63 85
Barlochan (summer office).....	Ont.....	28 83	Beach Meadows.....	N.S.....	173 75
Barnaby River.....	N.B.....	601 20	Beach Park (summer office).....	Ont.....	
Barnard.....	P.Q.....	67 00	Beacon Hill (closed 1-5-17).....	N.S.....	
Barnesdale.....	Ont.....	180 25	Beaconsfield.....	Man.....	49 55
Barnesville.....	N.B.....	147 62	Beaconsfield.....	P.Q.....	272 29
Barney River Station.....	N.S.....	112 10	Beaeberry.....	Alberta.....	56 56
Barney's Brook.....	N.S.....	85 50	Bear Brook.....	Ont.....	222 82
Barney's River.....	N.S.....	445 11	Bear Cave.....	Ont.....	17 00
Barnhart.....	Ont.....	182 95	Bear Cove, Cheticamp.....	N.S.....	41 00
Barnhart Vale.....	B.C.....	68 00	Bear Creek (closed 29-5-17).....	B.C.....	28 75
Barnston Island.....	B.C.....	55 90	Bear Island (summer office).....	Ont.....	381 92
Barnwell.....	Alberta.....	309 20	Bear Line.....	Ont.....	269 75
Barra Glen.....	N.S.....	50 70	Bearn.....	P.Q.....	142 75
Barra Head.....	N.S.....	53 00	Bear Point.....	N.S.....	144 44
Barre.....	P.Q.....	115 56	Bear River East.....	N.S.....	94 30
Barren Hill.....	N.S.....	26 00	Bear River.....	P.E.I.....	309 15
Barrett Lake.....	B.C.....	24 40	Bear Stream.....	Sask.....	17 45
Barrieau.....	N.B.....	54 00	Beaton Road.....	P.E.I.....	32 98
Barriefield.....	Ont.....	211 64	Beaton's Mills.....	P.E.I.....	336 00
Barriere des Caps.....	P.Q.....	9 00	Beatonville.....	N.S.....	32 45
Barrier Lake.....	Sask.....	90 25	Beatrice.....	Ont.....	134 59
Barrington.....	P.Q.....	261 71	Beaudoin.....	P.Q.....	22 00
Barrington West.....	N.S.....	118 50	Beaudoin Centre.....	P.Q.....	76 60
Barrio's Beach.....	N.S.....	102 00	Beaufort.....	N.B.....	117 75
Barr Settlement.....	N.S.....	10 00	Beaulac.....	P.Q.....	19 00
Barry River.....	P.Q.....	23 29	Beaulieu.....	N.S.....	13 01
Barry's Corner.....	N.S.....	55 00	Beaumont.....	P.Q.....	230 75
Barryvale.....	Ont.....	127 75	Beaumont.....	N.B.....	76 63
Barryville.....	N.B.....	35 32	Beaupoit East.....	P.Q.....	68 20
Bartholomew.....	N.B.....	23 79	Beaurepaire (summer office).....	P.Q.....	79 00
Bartibog.....	N.B.....	28 00	Beausejour.....	P.Q.....	110 42
Bartibog Bridge.....	N.B.....	139 95	Beausoleil.....	P.Q.....	46 20
Bartibogue Station.....	N.B.....	81 45	Beauvallon.....	Alberta.....	65 78
Bartlettville.....	Alberta.....	18 75	Beaver.....	B.C.....	215 20
Barvas.....	Sask.....	52 00	Beaver Bank.....	N.S.....	220 25
Bas de la Baie.....	P.Q.....	77 50	Beaver Brook.....	N.B.....	35 00
Bas de l'Anse.....	P.Q.....	55 00	Beaver Brook Station.....	N.B.....	41 40
Bas du Sault.....	P.Q.....	102 20	Beaver Cove.....	N.S.....	89 73
Base Line Road.....	N.S.....	37 25	Beaver Creek.....	B.C.....	92 00
Basin Depot.....	Ont.....	20 02	Beaver Crossing.....	Alberta.....	59 00
Baskatong.....	P.Q.....	93 06	Beaver Dale.....	Sask.....	68 45
Bass Creek.....	Ont.....	48 68	Beaverdell.....	B.C.....	140 56
Bassin du Lièvre.....	P.Q.....	49 20	Beaver Harbour.....	N.S.....	134 70
Bass River Point.....	N.B.....	76 53	Beaver Hills.....	Alberta.....	27 55
Basswood Ridge.....	N.B.....	72 40	Beaver Lake.....	B.C.....	82 00
Batchawana.....	Ont.....	73 00	Beaver Lake.....	Alberta.....	75 00
Bateman.....	Sask.....	57 00	Beaver Landing (closed 1-3-18).....	Sask.....	12 50
Bataston.....	N.S.....	56 58	Beaver Plains (closed 12-1-18).....	Sask.....	5 75
			Beaver Point.....	B.C.....	114 70

1 For Revenue see under Ottawa Sub-Office.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts			\$ cts.
Beaver River.....	N.S.	242 95	Bergland.....	Ont.....	346 20
Beazer.....	Alberta...	119 08	Berlo.....	Man.....	52 40
Bechard.....	Sask.....	226 50	Bernard.....	Sask.....	33 50
Becher.....	Ont.....	396 75	Bernier.....	P.Q.....	3 82
Beckenham.....	Sask.....	79 50	Bery.....	Alberta...	39 00
Beckville.....	Man.....	57 25	Berriedale.....	Ont.....	132 50
Beddington.....	Alberta...	70 50	Berry Hill.....	N.S.....	20 00
Bedford Station.....	P.E.I.....	279 46	Berry Creek.....	Alberta...	303 00
Bedford Station.....	Man.....	63 10	Berryer.....	P.Q.....	116 69
Bedfordville.....	Sask.....	30 75	Berry Mill Station.....	N.B.....	218 75
Bedworth.....	Ont.....	62 25	Berrymoor.....	Alberta...	36 85
Beach Hill.....	N.S.....	29 00	Bersimis.....	P.Q.....	204 80
Beech Hill Farms.....	N.S.....	50 50	Berthelot.....	P.Q.....	49 70
Beech Lane.....	Ont.....	21 00	Berthe.....	P.Q.....	9 00
Beechmont.....	N.S.....	6 00	Berton.....	Man.....	343 45
Beechmont North.....	N.S.....	15 00	Bertrand.....	N.B.....	54 01
Beechville.....	N.S.....	14 00	Bérubé.....	P.Q.....	53 70
Beechwood.....	N.B.....	175 00	Berwick West.....	N.S.....	30 00
Beechwood.....	N.S.....	12 00	Bestville.....	Sask.....	100 50
Beersville.....	N.B.....	108 95	Bestwick.....	B.C.....	53 20
Begin.....	P.Q.....	36 01	Bethel.....	P.Q.....	133 95
Beith (closed 1-8-17).....	P.Q.....	20 00	Bethesda.....	Ont.....	226 00
Bekever.....	Sask.....	20 00	Beulah.....	N.B.....	102 01
Belanger.....	Sask.....	47 50	Bewdley.....	Ont.....	274 44
Belbeck.....	Sask.....	227 00	Beynes.....	Sask.....	19 35
Belbute.....	Sask.....	43 26	Beynon.....	Alberta...	151 05
Belford.....	B.C.....	42 75	Bezanson.....	Alberta...	122 45
Bellavance.....	P.Q.....	94 61	Bible Hill.....	N.S.....	713 00
Bella Bella.....	B.C.....	230 50	Bickerdike.....	Alberta...	213 94
Bellcamp.....	Alberta...	27 50	Bickle.....	B.C.....	115 50
Belle Anse.....	P.Q.....	179 00	Bickford.....	Ont.....	345 02
Belle Cote.....	N.S.....	223 10	Bideford.....	P.E.I.....	179 05
Belle Creek.....	P.E.I.....	231 00	Bickleigh.....	Sask.....	41 40
Bellodune.....	N.B.....	178 28	Bield.....	Man.....	193 59
Bellodune River.....	N.B.....	114 60	Bifrost.....	Man.....	44 55
Bellefeuille.....	P.Q.....	39 00	Big Bank.....	N.S.....	66 20
Bellefleur.....	N.B.....	42 45	Big Bar Creek.....	B.C.....	136 35
Bellefontaine.....	N.S.....	55 47	Big Bay Point (summer office).....	Ont.....	
Bellegarde.....	Sask.....	62 60	Big Beach.....	N.S.....	55 90
Belloisle Creek.....	N.B.....	565 90	Big Brook.....	N.S.....	6 00
Belle Marche.....	N.S.....	74 10	Big Cedar Point (summer office).....	Ont.....	52 00
Bellerive Station.....	P.Q.....	179 65	Big Cove.....	N.B.....	35 00
Belle Plage (summer office).....	P.Q.....	65 00	Big Creek.....	B.C.....	76 27
Bellerose.....	B.C.....	36 00	Bigelow (opened 3-12-17).....	Ont.....	34 05
Belleville.....	N.B.....	36 25	Bigford.....	Sask.....	80 35
Belleville.....	N.S.....	137 00	Big Fork.....	Ont.....	134 91
Belleville North.....	N.S.....	151 25	Biggar Ridge.....	N.B.....	190 17
Belleville South.....	N.S.....	53 00	Big Glen.....	N.S.....	28 20
Bellevue Junction.....	P.Q.....	28 00	Big Harbour.....	N.S.....	10 20
Belley.....	P.Q.....	16 00	Big Harbour Centre.....	N.S.....	32 02
Bellehampton.....	Man.....	56 50	Big Harbour Island.....	N.S.....	28 68
Bellingham.....	Ont.....	99 75	Big Intervale (Cape North).....	N.S.....	28 60
Bellis.....	Alberta...	85 19	Big Intervale (Margaree).....	N.S.....	15 00
Belliveau Village.....	N.B.....	36 00	Big Island.....	N.S.....	50 20
Bells Mills.....	N.B.....	13 00	Big Lake.....	Ont.....	176 79
Bell Mount.....	P.Q.....	67 90	Big Lorraine.....	N.S.....	30 50
Bellom.....	N.S.....	96 05	Big Marsh.....	N.S.....	21 00
Bell Rapids.....	Ont.....	57 00	Big Meadow.....	N.S.....	42 50
Bellrock.....	Ont.....	135 50	Big Muddy.....	Sask.....	104 80
Bellshill.....	Alberta...	24 40	Big Pond.....	N.S.....	89 00
Belmna.....	P.Q.....	63 00	Big Pond Centre.....	N.S.....	68 00
Bellmore.....	Ont.....	325 50	Big Port L'Hébert.....	N.S.....	21 60
Belton.....	Ont.....	387 39	Big Prairie.....	Alberta...	161 70
Belvedere.....	Alberta...	276 21	Big Ridge.....	N.S.....	28 00
Belvoir.....	Sask.....	34 25	Big Ridge South.....	N.S.....	21 00
Benacadie.....	N.S.....	42 29	Big Spring.....	Alberta...	31 88
Benacadie Fond.....	N.S.....	19 23	Big Stick Lake.....	Sask.....	176 63
Benacadie West.....	N.S.....	30 60	Big Stone.....	Alberta...	138 85
Benard.....	Man.....	162 70	Big Woody.....	Man.....	26 35
Benbecula.....	Sask.....	15 25	Billimun.....	Sask.....	38 70
Ben Eoin.....	N.S.....	20 09	Bingley.....	Alberta...	45 35
Benjamin's Mills.....	N.S.....	29 75	Bingville.....	Alberta...	55 68
Benjamin River.....	N.B.....	118 75	Birchbank.....	B.C.....	47 50
Ben Lomond.....	N.B.....	79 00	Birch Brook.....	N.S.....	32 00
Bennett.....	P.Q.....	58 50	Birch Creek.....	Sask.....	34 60
Benoit (closed 18-4-17).....	Ont.....		Birch Island (opened 1-5-17).....	B.C.....	110 92
Bonstephen.....	Sask.....	44 00	Birch Plain.....	N.S.....	29 25
Benton Siding.....	B.C.....	203 36	Birch Ridge.....	N.B.....	59 50
Bent River.....	Ont.....	110 78	Birch River.....	Man.....	344 00
Berens River.....	Man.....	74 81	Birch Siding.....	N.B.....	50 00
Beresford.....	N.B.....	275 00	Birchtown.....	N.S.....	152 30
Beresina.....	Sask.....	14 00	Birchwood.....	N.S.....	17 00
Bergen.....	Alberta...	77 50	Bird River.....	Man.....	22 00
Bergeron.....	P.Q.....	45 00	Birdsalls.....	Ont.....	176 77
Bergfield.....	Sask.....	55 26	Bird's Creek.....	Ont.....	155 75

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Birdsholm	Alberta	110 25	Bodhan	Man.	31 00
Birdtail	Man.	150 00	Bogart	Ont.	147 00
Birdton (closed 1-11-17)	N.B.	28 50	Bog End	Sask.	74 70
Birkendale	Ont.	214 50	Boian	Alberta	83 41
Birrr	Ont.	154 95	Boillard	P.Q.	139 58
Bisaillon	P.Q.	113 85	Boisdale	N.S.	154 72
Bishop Landing (opened 1-6-17)	B.C.	75 82	Bois Franc	P.Q.	214 92
Bishopville	N.S.	6 00	Bois des Hurons	P.Q.	42 50
Bismark	Alberta	109 47	Boishébert	N.B.	43 00
Bissett Creek	Ont.	107 70	Boivin	P.Q.	21 05
Bjorkdale	Sask.	60 30	Bold Point	B.C.	71 83
Black Avon	N.S.	34 50	Bolger Bridge (summer office)	Ont.	207 74
Black Brook	N.S.	52 00	Bolingbrooke	Ont.	88 70
Blackburn	Ont.	49 58	Bolkow	Ont.	107 95
Blackburn Mine	P.Q.	32 00	Bolney	Sask.	45 50
Blackdale	Man.	26 50	Bon Accord	N.B.	67 70
Black Donald	Ont.	32 00	Bon Air (summer office)	Ont.	57 50
Blackett's Lake	N.S.	10 00	Bonanza	Yukon.	138 50
Black Hawk	Ont.	384 20	Bonaventure East	P.Q.	360 11
Black Heath	Ont.	485 43	Bonaventure Island	P.Q.	50 00
Black Hills	Yukon	51 75	Bon Désir	P.Q.	51 35
Black Land	N.B.	212 00	Bond (closed 1-7-17)	Sask.	12 00
Blackloam	B.C.	20 00	Bondiss	Alberta	191 20
Black Pines	B.C.	65 20	Bondville	P.Q.	277 05
Black Point	N.B.	168 65	Bon Echo (summer office)	Ont.	45 00
Black Point	N.S.	258 00	Bonhenr	Ont.	98 00
Black Point	N.S.	42 25	Bonlea	Alberta	51 51
Black Pool	B.C.	153 30	Bonnville	Ont.	126 45
Black River, Northumberland	N.B.	57 90	Bonnechère	Ont.	79 90
Black River, St. John	N.B.	65 00	Bonne Espérance	P.Q.	57 23
Black River Bridge	N.B.	145 00	Bonne Madone	Sask.	71 39
Black Rock	N.S.	10 00	Bonney River Station	N.B.	221 60
Black Rock	N.B.	27 00	Bonnie Doon	Man.	17 00
Black Rock	N.S.	29 00	Bonnie Glen	Alberta	55 16
Black's Harbour	N.B.	1,166 00	Bonnington Falls	B.C.	440 55
Blackstone	N.S.	65 00	Bon Secours	N.B.	45 03
Blackstone Lake	Ont.	69 59	Boom Road	N.B.	163 00
Blacktail	Alberta	19 00	Booth	P.Q.	205 00
Blackwood	Sask.	115 80	Bord à Plouffe	P.Q.	331 42
Blair	N.B.	345 00	Bordenave	Alberta	36 50
Blair Athol	N.B.	75 00	Borderland	Sask.	30 25
Blairhampton	Ont.	17 30	Borderland	Ont.	42 85
Blairton	Ont.	101 79	Bordenwood	B.C.	45 00
Blais	P.Q.	28 00	Borland	Alberta	50 45
Blakesville (closed 1-11-17)	Alberta	52 81	Foradaile	Alberta	14 00
Blanchard Road	N.S.	12 00	Forsezew	Alberta	14 00
Blanchard Settlement	N.B.	46 10	Boschink (summer office)	Ont.	
Blanche	N.S.	85 55	Boskung	Ont.	82 60
Blanchet	P.Q.	93 95	Bosse	N.B.	29 00
Blandford	P.Q.	93 19	Boston Bar	B.C.	197 25
Blaityre	Ont.	255 46	Botrel	P.Q.	10 00
Blaquière	P.Q.	7 00	Botsford Portage	N.B.	42 00
Blayne	Ont.	68 00	Bouchard	P.Q.	81 45
Blind Creek	Alberta	93 50	Boucher	N.B.	53 00
Blind Bay	B.C.	140 00	Boucherville	Ont.	23 50
Blind Channel (opened 1-10-17)	B.C.	95 75	Bouck's Hill	Ont.	198 69
Blissfield	N.B.	265 95	Boudreau	N.B.	58 00
Blissville	N.B.	42 00	Boudreauville	N.S.	102 70
Block 14	N.B.	24 00	Boudreau Village	N.B.	49 70
Block House	N.S.	243 90	Bougainville	P.Q.	55 00
Blondheim (closed 24-11-17)	Alberta	7 50	Boughton Island	P.E.I.	30 60
Blondin	P.Q.	428 58	Boulardarie	N.S.	42 50
Bloomfield	N.S.	61 50	Boulardarie Centre	N.S.	44 19
Bloomfield Ridge	N.B.	19 78	Boulardarie East	N.S.	42 00
Blooming	Sask.	58 00	Boulardarie West	N.S.	46 00
Bloomingdale	Ont.	111 75	Boulay	P.Q.	30 35
Bloomington	N.S.	56 35	Boulter	Ont.	239 85
Bloomington	Ont.	126 33	Boultonville	Man.	16 00
Blucher Hall	B.C.	44 20	Boundary Bay	B.C.	43 25
Blue Bell	N.B.	67 50	Boundary Creek	Alberta	62 66
Blueberry Creek	B.C.	32 50	Boundary Creek	N.B.	332 00
Blue Cove	N.B.	61 50	Boundary Presqu'île	N.B.	18 00
Blue Lake	Ont.	169 50	Bourbon	P.Q.	38 60
Blue Mountain	N.S.	130 65	Bourdeau	Ont.	63 00
Blue Mountain Bend	N.B.	41 81	Bourgault	P.Q.	30 00
Blue Rock	N.S.	140 00	Bongois	N.B.	61 90
Blue Sea Corner (closed 1-11-17)	N.S.	24 50	Bongois Mills	N.B.	35 00
Blue Sea Lake	P.Q.	275 22	Bourg Louis	P.Q.	82 50
Bluesky	Alberta	246 37	Borgogne	Sask.	25 00
Blue's Mill	N.S.	58 20	Bourkes	Ont.	317 33
Bluff Creek	Man.	166 75	Bourlamaque (summer office)	P.Q.	20 00
Boakview	Ont.	137 43	Bournival	P.Q.	20 00
Boals Lake	Ont.	59 70	Bousquet	P.Q.	68 25
Boabec	N.B.	121 20	Bout de l'Isle	P.Q.	90 00
Boage	P.Q.	22 60	Bout du Monde	P.Q.	27 50

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Boutillier Point.....	N.S.	152 00	Brithdir.....	Sask.	86 00
Boutin.....	Sask.	129 12	Briton Cove.....	N.S.	94 90
Bouvier.....	Alberta.	109 70	Britonville.....	P.Q.	33 00
Bouville.....	Man.	36 60	Britton.....	Ont.	603 40
Bovesville.....	Ont.	75 25	Broadbent.....	Ont.	50 00
Bowmanton.....	Alberta.	31 75	Broad Cove (Lunenburg).....	N.S.	253 00
Bow Park Farm.....	Ont.	40 00	Broad Cove Chapel.....	N.S.	80 00
Bowser.....	B.C.	119 00	Broad Cove Marsh.....	N.S.	19 00
Bow-Valley.....	Alberta.	24 73	Broadlands.....	P.Q.	120 78
Box Grove.....	Ont.	107 14	Broadwater.....	B.C.	88 90
Box Springs.....	Alberta.	8 00	Broadway.....	N.S.	50 40
Boyd's.....	N.S.	8 00	Brockington.....	Sask.	59 00
Boyer.....	P.Q.	73 05	Brokenhead.....	Man.	71 50
Boyne Lake.....	Alberta.	292 06	Brombury.....	Sask.	110 40
Boynton.....	P.Q.	258 65	Bromley Line.....	Ont.	100 90
Brabazon.....	P.Q.	24 00	Bronson.....	Ont.	82 65
Brackenrig.....	Ont.	67 45	Brookdale.....	P.Q.	97 16
Brackley Beach.....	P.E.I.	107 50	Brookfield Mines.....	N.S.	144 36
Brackley Point (closed 3-6-17).....	P.E.I.	3 50	Brooklyn.....	N.S.	153 00
Bradley Creek.....	Ont.	35 50	Brooklyn Corner.....	N.S.	96 00
Bradner.....	B.C.	335 75	Brookmere.....	B.C.	302 25
Bradore Bay.....	P.Q.	21 10	Brookside.....	Sask.	172 70
Bragg Creek.....	Alberta.	21 25	Brooksley.....	Alberta.	55 25
Bramber.....	N.S.	59 35	Brookton.....	N.B.	12 75
Branch Dead Letter Office.....	N.S.		Brookvale.....	N.B.	39 42
Branch La Have.....	N.S.	52 00	Brookvale.....	N.S.	46 50
Francepeth.....	Sask.	228 90	Brook Village.....	N.S.	317 41
Branham Island (opened 1-9-17).....	B.C.	12 50	Brooks Village Rear.....	N.S.	198 00
Branfield.....	N.B.	72 15	Brookville.....	N.B.	710 00
Brantville.....	N.B.	47 50	Brophy's.....	N.S.	18 00
Bras d'Apic.....	P.Q.	114 50	Brossa.....	Sask.	122 30
Brass Hill.....	N.S.	245 05	Brosseau.....	Alberta.	287 08
Brawford.....	Alberta.	100 56	Brotherston.....	Ont.	51 00
Brazil Lake.....	N.S.	175 85	Brough.....	Sask.	72 20
Breault Mill.....	P.Q.	52 89	Brouse (closed 1-6-17).....	B.C.	14 00
Breau Village.....	N.B.	114 60	Brower (late Abitibi opened 1-11-17).....	Ont.	69 95
Brèche 2 Manon.....	P.Q.	102 50	Brown.....	Man.	162 45
Brechin (closed 1-9-17).....	B.C.	10 00	Brownfield.....	Alberta.	170 88
Breckenridge Station.....	P.Q.	252 37	Brown Hill.....	Ont.	164 55
Breda.....	Alberta.	16 90	Browning Island (summer office).....	Ont.	35 00
Bredin.....	Alberta.	17 50	Brown's Corners.....	Ont.	164 60
Bremen.....	Sask.	117 25	Brown's Flats.....	N.B.	370 50
Brennan Hills.....	P.Q.	190 00	Brown's Mountain.....	N.S.	9 00
Brennen.....	Ont.	48 48	Brownsville.....	N.S.	74 53
Brentha.....	Ont.	119 35	Brulé.....	N.S.	81 50
Brentwood.....	Ont.	156 30	Brunet.....	P.Q.	262 02
Brentwood.....	N.S.	81 20	Brunetville.....	Ont.	191 50
Brest.....	N.B.	72 50	Brunner.....	Ont.	270 25
Bretagneville, late McLeod Mills (1-4-17).....	N.B.	65 50	Brutus.....	Alberta.	69 75
Brethour.....	Ont.	90 73	Bryant.....	Sask.	158 00
Brewer.....	Sask.	86 00	Bryants Corner.....	N.B.	74 25
Brewer's Mills.....	Ont.	254 00	Bryenton.....	N.B.	163 35
Brewesterville.....	Man.	31 20	Brynmarr.....	B.C.	92 75
Briar Lake.....	N.S.	37 45	Bryon Island (summer office).....	P.Q.	19 70
Briarlea.....	Sask.	41 75	Brysonville.....	P.Q.	202 25
Brickton.....	N.S.	154 34	B-Say-Tah (summer office).....	Sask.	22 00
Bridge Creek (closed 1-1-18).....	Man.	12 00	Buchanan (closed 10-6-17).....	Ont.	
Bridgeedale.....	N.B.	32 25	Buckfield.....	N.S.	51 75
Bridgeville.....	P.Q.	245 63	Buckhorn.....	Alberta.	41 70
Bridgeport.....	Ont.	405 19	Buck Lake.....	Ont.	10 00
Bridstow.....	Alberta.	32 65	Bucklaw.....	N.S.	31 65
Briereville.....	Alberta.	35 01	Buekskin (closed 30-4-17).....	Ont.	
Brierwood.....	Man.	30 25	Buetouche Bay.....	N.B.	61 40
Brigade Lake.....	B.C.	118 50	Budd Mills.....	Ont.	21 00
Brigg's Corner.....	N.B.	81 73	Buena Vista.....	B.C.	34 00
Bright Bank.....	Alberta.	153 53	Buffalo Gap.....	Sask.	66 35
Brighton.....	N.S.	282 40	Buffalo Head.....	Sask.	299 80
Brighton Beach (summer office).....	Ont.	106 00	Buffalo Horn.....	Sask.	104 55
Brightholme.....	Sask.	11 00	Buffalo Laiké (late Spitfire Lake 1-10-17).....	Alberta.	47 00
Bright Sand.....	Sask.	219 65	Buffalo View.....	Alberta.	43 50
Brightside.....	Ont.	41 00	Buford.....	Alberta.	122 00
Brightstone.....	Man.	30 00	Buller.....	Ont.	23 00
Brightwood (closed 15-10-17).....	Alberta.	11 00	Bull Moose Hill.....	N.B.	10 00
Briley's Brook.....	N.S.	40 55	Bullstrode Station.....	P.Q.	251 45
Brilliant.....	B.C.	505 40	Bunessville.....	Sask.	6 85
Brinkman's Corners.....	Ont.	136 90	Bunglass.....	Sask.	20 50
Brisco.....	B.C.	183 51	Butfield.....	Alberta.	108 98
Brisson (closed 1-2-18).....	Ont.	32 24	Burgis.....	Sask.	123 49
Bristol Mines.....	P.Q.	102 53	Burk's Corners.....	P.Q.	86 10
Bristol Ridge.....	P.Q.	108 76	Barleigh.....	Ont.	90 20
Britain.....	Alberta.	55 00	Barleigh Falls.....	Ont.	147 35
Britainville.....	Ont.	36 00	Burlington.....	N.S.	86 05
Britannia Heights.....	Ont.	173 29	Burnaby.....	Ont.	109 39

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue	Name of Post Office.	Province.	Revenue.
		\$ cts			\$ cts.
Burnbank	Man	87 50	Camp Sussex	N. B.	
Burnhamthorpe	Ont.	202 64	Cana	Sask	139 99
Burnley	Ont.	154 87	Canaan	N. S.	36 00
Burnside	Man	258 44	Canaan Rapids	N. B.	18 00
Burns Lake	B. C.	486 60	Canaan Station	N. B.	138 30
Burnsville	N. B.	255 02	Canada Creek	N. S.	93 77
Burntcoat	N. S.	29 00	Canal (summer office)	Ont.	28 25
Burnt Land Brook	N. B.	128 00	Canal Flats	B. C.	84 50
Burpee	Ont.	19 00	Cane	Ont.	246 60
Burquitlam	B. C.	193 90	Canim Lake	B. C.	58 50
Burr	Sask	121 47	Cannamore	Ont.	217 31
Burrard Inlet	B. C.	390 00	Cannell	Alberta	47 50
Burridge	Ont.	143 26	Cannes	N. S.	256 70
Burriss	Ont.	131 35	Canning	Ont.	144 07
Burritt	Ont.	32 50	Cannington Manor	Sask	74 00
Burtch	Ont.	133 00	Canobie	N. B.	100 25
Burtonsville	Alberta	92 80	Canoe Cove	P. E. I.	105 25
Burwash	Ont.	514 44	Canoe Lake	N. S.	21 00
Bushland	Alberta	16 00	Canopus (closed 1-12-17)	Sask	17 25
Butedale (opened 1-7-17)	B. C.	140 85	Canous	N. B.	22 00
Butterby	Sask	53 20	Canough Creek	B. C.	39 25
Butterton	Sask	17 40	Cantal	Sask	57 00
Byrne's Road	P. E. I.	19 00	Cantin	P. Q.	35 00
Byron	Ont.	531 00	Canton	Ont.	162 00
CACHÉ CREEK	B. C.	164 50	Canton Taché	P. Q.	120 00
Caché Lake	Alberta	26 32	Canuck	Sask	147 39
Cacouna South (summer office)	P. Q.	11 00	Camp Sussex		
Cactus	Sask	45 50	Cap à la Baleine	P. Q.	52 80
Cadboro Bay	B. C.	458 25	Cap à la Branche	P. Q.	92 03
Caderette	Ont.	62 11	Cap aux Corbeaux	P. Q.	25 70
Cadot (closed 1-8-17)	P. Q.	17 10	Cap au Renard	P. Q.	32 50
Cadrin	P. Q.	48 50	Cap au Oies	P. Q.	40 70
Cailmont	Sask	55 70	Capau Os	P. Q.	97 13
Cail's Mills	N. B.	49 10	Cap Bateau	N. B.	38 05
Cain's Mountain	N. S.	37 50	Cap d'Espoir	P. Q.	196 30
Cain's River	N. B.	85 45	Cap d'Espoir Centre	P. Q.	146 25
Cairnside	P. Q.	83 00	Cap des Rosiers	P. Q.	138 42
Calahoo (opened 15-5-17)	Alberta	35 00	Cape Augnet	N. S.	40 00
Calais	Alberta	64 00	Cape Chin	Ont.	78 98
Calbeck	Alberta	40 00	Cape Cliff (reopened 1-1-18)	N. S.	54 00
Calderbank	Sask	39 95	Cape Croker	Ont.	445 23
Caldwell	P. Q.	109 15	Cape Dauphin	N. B.	49 70
Caldwell	Alberta	67 75	Cape de Moisselle Creek	N. B.	58 00
Caldwell Brook	N. B.	132 09	Cape d'Or	N. B.	49 90
Caledonia	N. S.	153 00	Cape Enrage	N. B.	36 86
Caledonia	P. E. I.	159 91	Cape Fourchu (summer office)	N. S.	14 50
Caledonia Mills	N. S.	36 00	Cape George	N. S.	48 00
Caledonia Ridge	Ont.	30 00	Cape George Harbour	N. S.	28 50
Calendula	Alberta	18 75	Cape Jack	N. S.	40 00
Calgary Sub-Office No. 13	Alberta	a	Cape Negro	N. S.	111 00
Calgary Sub-Office No. 23	Alberta	a	Cape Negro Island	N. S.	99 87
Calgary Sub-Office No. 25	Alberta	a	Cape Rich	Ont.	15 00
Calgary Sub-Office No. 26	Alberta	a	Cape Sable Island, south side	N. S.	128 01
Calhoun	N. B.	98 10	Cape Scott	B. C.	97 05
Caliento	Man	154 12	Cape Station	N. B.	64 25
California	N. B.	42 98	Cape Tormentine	N. B.	430 35
Callières	P. Q.	5 00	Capélano	B. C.	426 55
Calvin (closed 20-6-17)	Ont.	21 50	Capital	Sask	18 50
Camagna	B. C.	61 00	Capitol Hill	B. C.	172 18
Camberley	Sask	15 35	Cap La Ronde	N. S.	55 40
Camborne	Ont.	157 61	Cap Lumière	N. B.	46 00
Cambria	P. Q.	124 05	Cappon	Alberta	172 21
Cambridge	N. S.	68 00	Cap Rouge	P. Q.	614 78
Camden	N. S.	53 00	Cap Rouge	N. S.	18 00
Canal Chute	Ont.	80 76	Cap St. Gabriel (closed 30-8-17)	P. Q.	20 00
Cameron Island (summer office)	Ont.	7 00	Cape St. Ignace, Station	P. Q.	380 90
Cameron Lake	B. C.	141 45	Cap St. Martin	P. Q.	70 00
Cameron's Mills	N. B.	15 00	Capstick	N. S.	30 75
Cameron Settlement	N. S.	40 04	Cap Tourmente	P. Q.	129 90
Campbell Hill	Alberta	25 75	Capucins	P. Q.	130 13
Campbell Lake	Alberta	58 31	Cardell	Sask	89 45
Campbell Mountain	N. S.	12 00	Carey	Man	142 20
Campbell's Cross	Ont.	87 30	Carholme	Ont.	113 94
Campbell Settlement (closed 1-3-18)	N. B.	38 60	Cariboo Gold Mines	N. S.	188 23
Campbelton	Ont.	86 18	Cariboo Island	N. S.	20 00
Camperdown	Ont.	257 04	Cariboo Islands	N. S.	36 30
Camperdown	N. S.	20 00	Cariboo Marsh	N. S.	37 50
Camperville	Man	211 41	Cariboo River (closed 1-5-17)	N. S.	4 00
Camp Leaside (F. P. O. opened 1-6-17)	Ont.		Cariss	Sask	39 00
Camp Mohawk (F. P. O. opened 14-5-17)	Ont.	50 00	Carlea	Ont.	132 25
Campsie	Alberta	24 00	Carleton Quest	P. Q.	87 50
			Carleton Village	N. S.	94 25

aFor Revenue see under Calgary Sub-Office.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Carlin	B.C.	144 50	Centreton	Ont.	300 90
Carling	Ont.	68 15	Centreville	Ont.	51 25
Carlingford	N.B.	36 59	Centre Village	N.B.	10 50
Carlisle	N.B.	62 70	Centreville	N.S.	650 15
Carlos	Alberta.	75 95	Centreville East	N.S.	10 00
Carlow	N.B.	11 00	Centurion	Ont.	32 00
Carlton	Sask.	392 52	Cessford (closed 1-10-17, reopened 1-11-17)	Alberta.	112 67
Carlton Hill (opened 8-5-17)	Alberta.	36 64	Chaffey's Locks	Ont.	743 18
Carlyle Lake Resort (summer office)	Sask.	94 00	Chagoness	Sask.	123 95
Carmel	Ont.	51 32	Chailey	Alberta.	85 38
Carnagh	Sask.	27 50	Chalet (summer office)	N.B.	68 00
Carnarvon	Ont.	320 52	Chalifoux	P.Q.	14 15
Carnforth	Alberta.	50 22	Chambreley	Sask.	96 00
Carnoustie	Sask.	56 60	Chambord Est	P.Q.	29 00
Caron Brook	N.B.	214 59	Chambord Junction	P.Q.	337 80
Carr	Ont.	161 88	Chamcook	N.B.	745 00
Carrigan	Sask.	22 50	Champagne	Yukon.	67 50
Carroll	P.Q.	37 99	Champigny	P.Q.	347 54
Carroll's Corners	N.S.	33 00	Chance Harbour	N.B.	176 50
Carroll's Crossing	N.B.	136 00	Chance Harbour	N.S.	18 00
Carrollton (opened 1-1-18)	Sask.	25 00	Chandonnet	P.Q.	22 05
Carrot Creek	Alberta.	207 54	Chandos	Ont.	44 35
Carr's Brook	N.S.	91 31	Chantelle (closed 17-2-18)	P.Q.	11 73
Carrville	Ont.	20 78	Chantler	Ont.	106 00
Carsonby (reopened 23-4-17)	Ont.	86 11	Chantry	Ont.	214 30
Carter's Point	N.B.	77 70	Chapus	P.Q.	63 00
Casault	P.Q.	60 50	Chapleau Station (summer office)	P.Q.	65 00
Casavant	Alberta.	28 00	Chaplin	N.S.	34 00
Casceyville (closed 1-5-17)	Alberta.		Chaplin Road	N.B.	42 30
Cashtown	Ont.	38 00	Chapman	Ont.	125 50
Caspaco	B.C.	125 34	Chapman Settlement (closed 1-1-18)	N.S.	12 50
Cassitis	N.B.	82 75	Chapple	Ont.	11 00
Castalia	N.B.	333 16	Charette	P.Q.	435 83
Castelnau	P.Q.	56 13	Charlesbourg West	P.Q.	51 20
Castaway	N.B.	4 00	Charleston	N.S.	99 00
Castel Bay	N.S.	58 80	Charleston	Ont.	249 05
Castle Coomb	Sask.	29 75	Charleswood	Man.	161 50
Castledale	B.C.	122 80	Charles Cove	N.S.	144 15
Castlederg	Ont.	25 25	Charlo Station	N.B.	365 22
Castlemore	Ont.	139 00	Charlotte	Sask.	259 95
Castlereagh	N.S.	15 00	Charron (opened 1-12-17)	Alberta.	15 00
Castle Rock	B.C.	54 70	Chartersville	N.B.	11 00
Catalone	N.S.	83 00	Chartrand Corner	Ont.	68 98
Catalone Gut	N.S.	35 00	Chase Corners	Ont.	68 41
Catalone Road	N.S.	50 00	Chaswood	N.S.	153 68
Catamount	N.B.	44 00	Chateau Lake Louise (summer office)	Alberta.	1,479 00
Cataract	Ont.	182 53	Chater	Man.	291 55
Catehacoma	Ont.	25 00	Chaudière Basin	P.Q.	170 75
Catehem (closed 18-12-17)	Alberta.	29 09	Chaudière Station	P.Q.	220 76
Cater	Sask.	25 00	Chamont	P.Q.	26 00
Cateville	Sask.	37 75	Chenay View	B.C.	23 00
Cavendish (late Pancras, 1-9-17)	Alberta.		Chesbogue Point	N.S.	77 00
Cavers	Ont.	97 67	Cheddar	Ont.	35 10
Cawston	B.C.	149 50	Cheggogin	N.S.	333 45
Cawood	P.Q.	64 00	Chellwood	Sask.	35 25
Cayer	Man.	109 25	Chelmsford	N.B.	78 50
Ceebe	Ont.	68 25	Chelsea	N.S.	144 09
Cecil	Sask.	82 20	Chemical Road	N.B.	12 00
Cedar	B.C.	186 50	Chemin Neuf	P.Q.	15 00
Cedarbrae	Ont.	192 50	Chenard	P.Q.	16 44
Cedar Croft (summer office)	Ont.	107 00	Cheney Station	Ont.	117 35
Cedarline	Man.	45 32	Chenier	P.Q.	146 70
Cedar Lake	N.S.	43 00	Chepstow	Ont.	467 38
Cedar Lake	Man.	11 50	Cherryfield	N.S.	49 69
Celtic	Sask.	52 00	Cherryfield	N.B.	33 00
Centennial	N.S.	54 00	Cherry Hill	N.S.	170 89
Central Argyle	N.S.	292 80	Cherry Valley	P.E.I.	275 27
Central Chebogue	N.S.	78 45	Cherrywood	Ont.	180 00
Central Clarence	N.S.	369 50	Chesaning	Sask.	25 25
Central Earleton	N.S.	10 00	Chester Grant	N.S.	35 29
Central Greenwich	N.B.	275 10	Chester Nord	P.Q.	18 20
Central Grove	N.S.	101 00	Chesterwold	Alberta.	101 00
Central Hampstead	N.B.	178 55	Cheticamp	N.S.	35 30
Central New Annan	N.S.	176 38	Chevalier	P.Q.	8 00
Central North River	N.S.	36 00	Cheviot	Sask.	333 14
Central Port Mouton	N.S.	305 60	Chevrier	Ont.	61 50
Central Waterville	N.B.	35 26	Chezaut	B.C.	51 70
Central Wood Harbour	N.S.	87 00	Chiasson	N.B.	36 12
Central Acadie	N.B.	90 96	Chichester	P.Q.	219 98
Centredale	N.S.	24 00	Chief Lake	B.C.	23 90
Centre Dammer	Ont.	32 95	Chigwell	Alberta.	116 30
Centre Millstream	N.B.	37 64	Chikopi (summer office)	Ont.	18 00
Centre Musquodoboit	N.S.	238 07	Chilanco Forks	B.C.	22 50
Centre Nappan	N.B.	53 00	Chilco	B.C.	65 30
Centre St. Simon	N.B.	29 35			

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Chilmark	Alberta	148 60	Cloverleaf	Man.	82 40
Chimney Corner	N.S.	36 00	Cloverley	Sask.	131 28
Chimney Creek (closed 15-4-17)	B.C.		Clover Hill	N.B.	42 23
Chin	Alberta	204 50	Cloverville	N.S.	9 00
Chinook Cove	B.C.	192 35	Club Shawinigan	P.Q.	49 70
Chipman's Brook	N.S.	5 00	Club Summit (opened 21-5-17)	P.Q.	27 55
Chipman's Corners	N.S.	81 25	Cluffield	Sask.	127 25
Chippewa Hill	Ont.	168 25	Clumber	Sask.	30 70
Chiswick	Ont.	262 72	Clydesdale	Ont.	146 65
Chlorydormes	P.Q.	220 60	Clymont	Alberta	15 73
Chocolate Cove	N.B.	63 75	Clute	P.Q.	241 24
Choisy	P.Q.	198 32	Coal Branch Station	N.B.	294 27
Choquette	P.Q.	50 90	Coal Creek	N.B.	225 62
Chortitz	Man.	77 60	Coates' Mills	N.B.	94 16
Christian Island	Ont.	112 61	Coburn	N.B.	413 00
Christieville	P.Q.	181 20	Cocagne Cape	N.B.	73 00
Christina	Ont.	122 75	Cocagne Cove	N.B.	52 00
Christina Lake	B.C.	73 00	Cocagne River	N.B.	25 00
Chubbville	Sask.	60 95	Cochin	Sask.	105 65
Chu Chua	B.C.	188 26	Cochrans' Lake	N.S.	10 00
Chudleigh	Ont.	53 00	Coddle's Harbour	N.S.	48 10
Churcane (closed 20-10-17)	Sask.	13 25	Codette	Sask.	105 15
Church Hill	N.B.	14 00	Coffee	P.Q.	173 50
Church Lake	N.S.	31 32	Coffinscroft	N.S.	57 00
Church House	B.C.	170 00	Cogmagun River	N.S.	34 51
Church Over	N.S.	63 75	Colbert	P.Q.	13 26
Churchview	N.S.	87 70	Colcleugh	Man.	15 40
Churchville	Ont.	178 00	Coldbrook	N.B.	61 00
Chute Nairn	P.Q.	105 16	Cold Lake	Alberta	147 51
Chute Panet	P.Q.	347 00	Cold Springs	Man.	26 50
Chutes Péribonea	P.Q.	73 00	Coldstream	N.S.	19 75
Chute Shipshaw	P.Q.	68 52	Colebrook	Ont.	361 65
Chute Victoria	P.Q.	50 52	Cole Harbour	N.S.	242 83
Claire Fontaine	N.B.	18 25	Cole Lake	Ont.	173 63
Clairmont Road	N.S.	5 02	Coleman Corner	N.B.	7 60
Claivaux de Bagot	P.Q.	133 48	Coleraine Station	P.Q.	433 00
Claivaux de Charlevoix	P.Q.	36 87	Colin	N.B.	43 50
Clairville	N.B.	80 75	College Bridge	N.B.	418 30
Clam Bay	N.S.	28 75	College Grant	N.S.	12 50
Clam Harbour	N.S.	228 00	Collejeville	N.S.	39 50
Clam Point	N.S.	40 00	Collette	N.B.	138 65
Clanricarde	Ont.	46 93	Collette Village	N.B.	55 00
Clansman	Sask.	42 00	Colleymount	B.C.	49 98
Clapham	P.Q.	68 64	Colfield	P.Q.	54 00
Clapperton	P.Q.	155 16	Collins	Sask.	200 25
Clapton	Sask.	10 00	Collin's Inlet	Ont.	394 01
Clarendon Station	N.B.	244 85	Collhome	Alberta	94 75
Clarina	Ont.	80 38	Colmer	Sask.	40 32
Clarinda	Alberta	23 21	Colne Valley (opened 1-6-17) (closed 1-12-17)	P.Q.	8 87
Clarkboro	Sask.	125 00	Colomb	P.Q.	47 43
Clarkleigh	Man.	232 84	Colpton	N.S.	76 85
Clarke Manor	Alberta	20 00	Colquitz	B.C.	492 50
Clark's Crossing	Sask.	204 20	Colryan (closed 1-5-17)	Sask.	4 00
Clark's Road	N.S.	27 50	Coltern (opened 1-10-17)	B.C.	162 25
Clarksville	N.S.	261 26	Columbia Gardens	B.C.	190 10
Clarkville	N.B.	32 00	Columbine	Alberta	22 50
Claverhouse	N.S.	20 00	Colwell	Ont.	50 95
Clavering	Ont.	279 33	Comau Ridge	N.B.	24 00
Claxton	B.C.	80 00	Comau's Hill	N.S.	43 70
Clay Bank	Ont.	24 00	Comeauville	N.S.	218 89
Claydon	Sask.	109 02	Comet	Alberta	109 32
Claybank	Sask.	151 90	Commanda	Ont.	245 12
Claytonville	Sask.	31 00	Compton Station	P.Q.	228 70
Clearfield (closed 1-1-15)	Sask.	5 00	Conroy	Alberta	47 00
Clear Lake	Ont.	70 25	Concession	N.S.	278 95
Clearland	N.S.	12 00	Concord	Ont.	173 95
Cleland Corners	N.S.	20 51	Condie	Sask.	286 71
Clematis	Man.	35 05	Condon Settlement	N.S.	36 00
Clement	P.Q.	92 20	Condor	Alberta	300 25
Clevelands	N.B.	12 00	Conflict	Sask.	43 60
Cliffordvale	N.B.	275 98	Congress (opened 1-1-18)	Sask.	74 50
Clifton	N.B.	182 49	Conjuring Creek	Alberta	62 04
Cliftonville	Sask.	67 50	Connee (closed 1-2-18)	Ont.	28 50
Climax	Sask.	24 00	Connell Corners (opened 1-3-18)	Sask.	12 00
Clivale	Alberta	185 18	Connolly	Alberta	22 00
Clodford	Alberta	119 20	Connor	N.B.	252 90
Clontarf	Ont.	113 00	Connor Creek	Alberta	43 63
Clo-oose	B.C.	220 75	Connorsville	Alberta	95 00
Cloud Bay	Ont.	60 40	Conn's Mills	N.S.	89 65
Cloudslee (closed 1-5-17)	Ont.		Conquerall-Mills	N.S.	93 50
Clouston	Sask.	240 45	Conway Station	P.E.I.	420 50
Cloutier	P.Q.	122 24	Cooking Lake	Alberta	200 75
Cloverdale	N.S.	29 85	Cook's Brook	N.S.	101 45
Cloverdale	N.B.	175 13	Cook's Cove	N.S.	82 00
Cloverdale East	N.B.	29 00			

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Cook's Creek.....	Man.....	216 45	Craigleith.....	Ont.....	60 00
Cookville.....	N.B.....	40 20	Craig's Crossing.....	B.C.....	100 50
Cookville.....	Alberta.....	61 06	Craig's Road Station.....	P.Q.....	144 50
Cooper.....	Ont.....	235 20	Cramersburg.....	Sask.....	190 20
Cooper's Falls.....	Ont.....	122 87	Cranberry.....	P.Q.....	43 74
Copeland.....	Sask.....	25 10	Cranbourne.....	P.Q.....	36 31
Copley.....	Man.....	22 00	Crandall Road.....	N.S.....	30 00
Copp.....	Ont.....	37 25	Crane Valley.....	Sask.....	58 52
Copper Lake.....	N.S.....	50 90	Cranton Section.....	N.S.....	122 00
Copper River.....	B.C.....	78 20	Crapaud.....	P.E.I.....	582 93
Copper Head (summer office).....	Ont.....		Crawfordville.....	P.Q.....	22 20
Coppice Hill.....	Alberta.....	39 35	Cravath Corners.....	Alberta.....	112 25
Corbeil.....	Ont.....	175 11	Credit Forks.....	Ont.....	170 00
Corberrie.....	N.S.....	94 07	Crediton East (closed 18-7-17).....	Ont.....	29 50
Corcoran.....	P.Q.....	43 00	Creeford.....	Man.....	23 00
Corey.....	N.B.....	28 50	Creefield (closed 31-10-17).....	Sask.....	22 92
Coriander.....	Sask.....	82 70	Creek Road.....	N.B.....	19 00
Cork.....	Alberta.....	33 00	Creemorne.....	P.Q.....	51 91
Corkery.....	Ont.....	96 40	Creighish Rear.....	N.S.....	14 00
Cork Station.....	N.B.....	108 32	Creighish Station.....	N.S.....	71 05
Corleigh.....	Sask.....	20 00	Creighton Valley (closed 1-6-17).....	B.C.....	7 00
Cormac.....	Ont.....	55 00	Cremona.....	Alberta.....	306 35
Cormier's Cove.....	N.B.....	20 00	Crescent.....	Man.....	29 68
Cormier Village.....	N.B.....	45 10	Crescent Beach.....	N.S.....	83 00
Cormierville.....	N.B.....	112 50	Crescent Hill.....	Sask.....	42 00
Corner of the Beach.....	P.Q.....	347 79	Crescent Lake.....	Sask.....	67 50
Cornfelt.....	Sask.....	57 35	Cresthill (summer office, opened 1-7-17).....	P.Q.....	10 00
Cornucopia.....	Alberta.....	199 45	Crestwynd.....	Sask.....	256 30
Cornwall.....	P.E.I.....	276 55	Crinan.....	Ont.....	76 90
Cornwall Island.....	Ont.....	14 50	Crippsdale.....	Alberta.....	27 25
Coronation.....	N.B.....	48 00	Criss Creek.....	B.C.....	111 02
Cortereal.....	P.Q.....	84 00	Crockett.....	N.B.....	57 20
Costello.....	Ont.....	63 25	Croft.....	N.S.....	7 00
Cosmo.....	Alberta.....	80 37	Cromarty.....	Ont.....	392 70
Cossetteville.....	P.Q.....	80 00	Crombie Settlement.....	N.B.....	50 95
Costigan (closed 1-11-17).....	N.B.....	24 10	Cromwell.....	Man.....	9 00
Coteau.....	Sask.....	31 20	Cross.....	Sask.....	84 10
Coteau Road.....	N.B.....	30 00	Crosshill.....	Ont.....	137 55
Côté's Mills.....	P.Q.....	7 00	Cross Lake (closed 16-2-18).....	Ont.....	15 00
Côte Ste-Anne.....	N.B.....	17 00	Crossland.....	Ont.....	174 23
Côte D'Or (opened 1-7-17).....	N.B.....	30 28	Crossman.....	N.B.....	33 30
Côte St. Léonard.....	P.Q.....	10 00	Crosspoint.....	P.Q.....	43 00
Côte St. Michel.....	P.Q.....		Cross Roads, Mid-Meldford.....	N.S.....	99 39
Côte S. Pierre.....	P.Q.....	54 65	Cross Roads, Ohio.....	N.S.....	84 05
Côte St. Vincent.....	P.Q.....	16 00	Crosswoods.....	Sask.....	52 25
Cotham.....	Sask.....	33 00	Crosthwaite.....	Sask.....	137 76
Cottage Inn (summer office).....	Ont.....	150 00	Crouse Town.....	N.S.....	73 20
Cottonwood.....	Sask.....	67 15	Crowel.....	N.S.....	401 70
Cottonwood.....	B.C.....	138 20	Crowes Landing (summer office).....	Ont.....	55 00
Coughlan.....	N.B.....	113 36	Crowfoot.....	Alberta.....	121 75
Coulee.....	Sask.....	69 00	Crow Lake.....	Ont.....	161 50
Coulee View (closed 31-12-17).....	Sask.....		Crow's Nest.....	N.S.....	8 00
Coulombe.....	P.Q.....	122 75	Crowtherview.....	Sask.....	34 50
Coulson.....	Ont.....	218 13	Croydon.....	Ont.....	151 47
Coultervale.....	Man.....	60 70	Croydon Station (opened 1-7-17).....	B.C.....	158 78
County Line.....	B.C.....	204 12	Crozier.....	Ont.....	146 55
Country Harbour Mines.....	N.S.....	86 64	Crystal Hill.....	Sask.....	58 00
Courcellette (opened 1-5-17).....	P.Q.....	32 50	Crystal Springs.....	Sask.....	114 25
Court.....	Sask.....	146 00	Cuffey.....	Sask.....	39 95
Courval.....	Sask.....	249 65	Culdfiff.....	P.Q.....	60 25
Courtee.....	Ont.....	271 14	Cullen (closed 27-8-17, reopened 1-1-18).....	Sask.....	116 50
Cousineau.....	P.Q.....	62 02	Cullen's Brook.....	P.Q.....	87 75
Cousins.....	Alberta.....	24 60	Culligan.....	N.B.....	305 94
Couttsville.....	Ont.....	39 56	Calloden.....	Ont.....	268 97
Coutarval.....	Ont.....	39 00	Calloden.....	N.S.....	93 60
Covedell.....	N.B.....	120 03	Callyton.....	Sask.....	46 00
Coverdale.....	N.B.....	57 25	Culross.....	Man.....	301 00
Cove Road.....	N.S.....	110 45	Cumberland House.....	Sask.....	81 00
Covington.....	Sask.....	27 00	Cumberland Mills.....	P.Q.....	66 40
Cowan.....	Man.....	143 10	Cumberland Point.....	N.B.....	34 25
Cowan Creek.....	N.B.....	16 00	Cummings.....	Alberta.....	118 40
Cow Bay.....	N.S.....	38 80	Cummings' Cove.....	N.B.....	43 25
Cowdery.....	Man.....	34 50	Cumming's Mountain.....	N.S.....	10 00
Cowichan Bay.....	B.C.....	194 30	Cundles.....	Ont.....	64 25
Cowichan Lake.....	B.C.....	264 52	Cupid.....	N.B.....	179 30
Coxby.....	Sask.....	55 00	Curlew.....	Alberta.....	128 24
Coxheath.....	N.S.....	150 00	Currieburg.....	N.B.....	43 00
Coxvale.....	Ont.....	41 75	Currie's Crossing.....	Ont.....	344 70
Coyote Valley.....	Alberta.....	40 25	Curryville.....	N.B.....	116 48
Crabtree Mills.....	P.Q.....	223 11	Curve Lake.....	Ont.....	75 00
Cracroft.....	B.C.....	105 25	Curventon.....	N.B.....	50 61
Craigie.....	Sask.....	48 00	Custeau.....	P.Q.....	33 00
Craigie Lea.....	Ont.....	198 60	Cymric.....	Sask.....	215 85
Craiglands.....	Sask.....	120 00	Cypress.....	Sask.....	36 00
Craigmillar.....	Alberta.....	34 00	Cyr.....	P.Q.....	58 95

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue	Name of Post Office.	Province.	Revenue.
		\$ cts			\$ cts.
Cyrene.....	N.B.	45 15	Delap's Cove.....	N.S.	63 70
Daotah.....	Man.	130 41	DeLesseps.....	P.Q.	52 66
Dalinda.....	Sask.	160 65	Dellwood.....	Sask.	10 00
Dahlby.....	Sask.	123 30	Delph.....	Alberta.	89 64
Dahlton.....	Sask.	283 65	Delta Station (summer office).....	Man.	91 00
D'Aiguillon.....	P.Q.	65 62	Del Bonita.....	Alberta.	279 60
Daisy Lake.....	B.C.	50 34	Del Val.....	P.Q.	32 25
Dale.....	N.S.	83 35	Demaine.....	Sask.	93 50
Dalen Lake.....	N.S.	11 06	Demuth (opened 1-6-17).....	B.C.	85 20
Dalesboro.....	Sask.	38 00	Denhart.....	Alberta.	198 25
Daleview.....	Sask.	35 00	Deniau.....	P.Q.	386 47
Dalhousie East.....	N.S.	94 00	Dennison Station.....	B.C.	94 00
Dalhousie Junction.....	N.B.	228 12	Dennistown.....	N.S.	20 00
Dalhousie Lake.....	Ont.	83 20	Denonville, W. O.....	P.Q.	.....
Dalhousie Lake.....	N.S.	19 00	Densmore's Mills.....	N.S.	93 40
Dalhousie Mills.....	Ont.	127 49	Denver.....	N.S.	21 10
Dalhousie Road.....	N.S.	127 25	Departure Bay.....	B.C.	197 50
Dalhousie Settlement (closed 1-3-18).....	N.S.	15 00	Depew.....	Sask.	28 50
Dalhousie West.....	N.S.	99 29	Despres Road.....	N.B.	12 00
Dallas.....	Man.	72 74	Dequen, Nord.....	P.Q.	190 43
Dalmuir.....	Alberta.	28 80	Derby.....	N.B.	151 50
Daly.....	Man.	12 50	Derby Junction.....	N.B.	119 39
D'Amade.....	P.Q.	12 00	Dermid.....	Ont.	50 00
Damascus.....	Ont.	230 55	Derrik (closed 1-12-17).....	Sask.	31 00
Damascus.....	N.B.	14 00	Derryville.....	Ont.	259 00
Danby.....	P.Q.	171 70	Derry.....	Man.	15 00
Danbury.....	Sask.	27 50	De St. Just.....	P.Q.	162 00
Dane.....	Ont.	326 50	Deschambault Station.....	P.Q.	42 60
Danesville.....	N.S.	20 57	Deschênes Mills.....	P.Q.	123 23
Danford Lake.....	P.Q.	391 50	Desjarlais.....	Alberta.	90 20
Danforth.....	Ont.	20 30	Desormeaux.....	P.Q.	54 70
Danvers.....	N.S.	72 70	Dessaint.....	P.Q.	110 55
Danvers (closed 1-2-18).....	Man.	82 00	Detlor.....	Ont.	485 50
Darcy (closed 31-5-17).....	B.C.	14 23	Devault.....	P.Q.	44 08
Darling Lake.....	N.S.	118 15	Deveron.....	Sask.	120 00
Darling Road.....	Ont.	176 40	Devereaux.....	N.B.	17 00
Darlington Station.....	Ont.	50 55	Deville.....	Alberta.	101 01
D'Artagnan.....	P.Q.	58 03	Devils Lake.....	Sask.	10 02
Dartigny.....	P.Q.	25 00	Devils Island.....	N.S.	19 00
Darveau (closed 13-6-17).....	P.Q.	6 00	Devon.....	N.S.	19 25
Darwell.....	Alberta.	104 50	Dewdrop.....	Sask.	15 00
Dauntless (closed 1-12-17).....	Alberta.	42 21	Dewey.....	B.C.	85 83
Davidson Corners.....	P.Q.	16 05	DeWet.....	Man.	80 90
Davidson Hill.....	P.Q.	29 50	Dexter.....	Ont.	107 45
Davis Point.....	Man.	87 25	Diamond.....	N.S.	30 00
Davison Street.....	N.S.	15 00	Diekson.....	Alberta.	232 67
Davyrovd.....	Sask.	54 00	Diebolt.....	Sask.	62 95
Dawn Mills.....	Ont.	84 15	Dijon (opened 11-9-17).....	P.Q.	83 00
Dawsonville.....	N.B.	11 00	Diligence.....	Alberta.	73 00
Daylesford.....	Sask.	19 50	Diligent River.....	N.S.	478 44
Day's Corner.....	N.B.	34 00	Dillon Port.....	Ont.	37 64
Dayspring.....	N.S.	338 13	Bill Siding.....	Ont.	26 25
Dayton.....	Ont.	158 95	Dimmock.....	Sask.	44 50
Dayton.....	N.S.	191 45	Dimmock Creek.....	P.Q.	142 00
Dead Letter Office.....	B.C.	.....	Dina.....	Alberta.	131 55
Deacon.....	Ont.	41 00	Dingwall.....	N.S.	63 25
Dead Creek.....	Ont.	149 00	Dinorwic.....	Ont.	247 35
Dead Moose Lake.....	Sask.	115 00	Dinton.....	Alberta.	129 50
Deadwood.....	B.C.	35 00	Dipper Harbour.....	N.B.	20 30
Dean.....	N.S.	235 80	Dipper Harbour West.....	N.B.	135 75
Dearlock.....	Ont.	45 00	Dirt Hills.....	Sask.	86 50
Deaver.....	Alberta.	5 00	Ditton Park.....	Sask.	68 00
Debay Cove.....	N.S.	69 00	Divide.....	Sask.	148 10
Deckererville.....	Sask.	56 00	Divide.....	N.B.	24 00
Decker.....	Man.	535 77	Dixon.....	N.B.	50 50
Deemerton.....	Ont.	102 50	Dixon's Corners.....	Ont.	168 00
Deep Cove.....	N.S.	18 50	Dnepier.....	Man.	104 00
Deep Cove Island.....	N.S.	106 00	Dnipro.....	Alberta.	18 50
Deepdale.....	N.S.	34 00	Dobson's Corner.....	N.B.	52 30
Deer Horn.....	Man.	181 54	Dobrowody.....	Sask.	20 62
Deering.....	Alberta.	65 25	Doek.....	N.S.	17 08
Deer Lodge.....	Sask.	48 97	Doctor's Brook.....	P.Q.	30 50
Deer Mound.....	Alberta.	72 00	Doctor's Cove.....	N.S.	148 15
Deer Park.....	B.C.	192 34	Dodd Lake.....	P.Q.	61 65
Deerview.....	Sask.	84 55	Doe Lake.....	Ont.	86 84
Deerwood.....	Man.	53 35	Doe Creek.....	B.C.	132 73
Dee Side.....	P.Q.	38 77	Dog Creek.....	Man.	188 75
Dee Valley.....	Sask.	24 50	Dogherly.....	N.B.	12 00
DeGrassi Point (summer office).....	Ont.	149 00	Dog Pound.....	Alberta.	302 40
Delacour.....	Alberta.	170 77	Doheny.....	P.Q.	16 50
Delagrave.....	P.Q.	247 00	Doley.....	Alberta.	175 25
DeLanaudière (closed 15-5-17).....	P.Q.	4 01	Dolly Bay.....	Man.	62 25
Delano.....	Alberta.	79 00	Dome Creek.....	B.C.	468 00
			Dominion (closed 1-8-17).....	Yukon.	2 70

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Donahue.....	Ont.....	37 25	Dundee.....	N.B.....	16 00
Donaldson.....	Ont.....	49 50	Dundee.....	Man.....	72 63
Donatville.....	Alberta.....	97 20	Dundee.....	N.S.....	26 50
Dongola.....	Ont.....	31 00	Dundonald.....	Ont.....	178 15
Donjean.....	Sask.....	33 50	Dunedin.....	Ont.....	150 95
Donnybrook.....	N.S.....	9 00	Dunelm.....	Sask.....	238 47
Donwell.....	Sask.....	205 00	Dungloe (closed 2-2-15).....	Sask.....	16 50
Dorchester Crossing.....	N.B.....	85 75	Dunkin.....	P.Q.....	91 95
Doriston (late Shaw Cove (1-3-18)).....	B.C.....	24 50	Dunleath.....	Sask.....	10 00
Doreil.....	P.Q.....	300 00	Dunleath Station (opened 1-6-17).....	Sask.....	122 50
Dorland.....	Ont.....	193 68	Dunlop.....	N.B.....	58 80
Dorothy.....	Alberta.....	85 50	Dunmuirglass.....	N.S.....	6 00
Dorr.....	B.C.....	40 40	Dunmore.....	N.S.....	8 00
Dorrell (closed 1-6-17).....	Sask.....		Dunn.....	Alberta.....	278 47
Dort's Cove.....	N.S.....	34 80	Dunnet.....	Ont.....	62 13
Dot.....	B.C.....	161 57	Dunn's Valley.....	Ont.....	121 25
Douce.....	P.Q.....	224 96	Dunraven.....	P.Q.....	227 26
Doucetville.....	N.S.....	45 60	Dunster.....	B.C.....	205 48
Douglasfield.....	N.B.....	35 00	Dunvegan.....	Alberta.....	67 70
Douglas Harbour.....	N.B.....	126 59	Dunvegan.....	N.S.....	115 60
Douglas Lake.....	B.C.....	108 20	Dupey's Corner.....	N.B.....	150 00
Douglas Road (closed 1-1-18).....	N.S.....	21 00	Duplin.....	P.Q.....	28 70
Douglaston.....	Sask.....	76 12	Dupuy.....	P.Q.....	321 60
Douglas West.....	P.Q.....	76 65	Durieu.....	B.C.....	64 70
Douro.....	Ont.....	203 75	Dutch Brook.....	N.S.....	27 00
Dover.....	N.B.....	61 04	Dutch Settlement.....	N.S.....	49 70
Dover Centre.....	Ont.....	259 20	Duvic summer office (opened 1-7-17).....	P.Q.....	
Dovercourt.....	Alberta.....	117 00	Dwyer Hill.....	Ont.....	39 75
Dover West.....	N.S.....	94 78	Dyer's Bay.....	Ont.....	191 53
Dowling Lake.....	Alberta.....	137 20	Dymont.....	Ont.....	79 40
Downing.....	Alberta.....	74 65	Dynevor.....	Man.....	35 95
Doyle.....	P.Q.....	20 00	Eagle Bay.....	B.C.....	40 10
Doyles Brook.....	N.B.....	15 00	Eagle Butte.....	Alberta.....	131 43
Doyle Settlement.....	N.B.....	15 00	Eagle Head.....	N.S.....	105 00
Dreamworld.....	Sask.....	91 50	Eagle Hill.....	Alberta.....	182 22
Drifting River.....	Man.....	40 00	Eagle Point.....	Sask.....	20 50
Drew Station.....	Ont.....	191 25	Eakindale.....	Sask.....	18 00
Driftwood.....	Ont.....	51 81	Earl.....	Sask.....	21 50
Driscoll Lake.....	Sask.....	25 00	Earlie.....	Alberta.....	96 60
Driver.....	Sask.....	385 05	Earlswood.....	Sask.....	28 80
Drobot.....	Sask.....	33 25	Earlstone.....	Alberta.....	123 65
Drolet.....	P.Q.....	27 00	Earlville.....	Alberta.....	35 00
Droptmore.....	Man.....	571 50	East Advocate.....	N.S.....	99 72
Drumboy.....	Sask.....	31 00	East Aldfield.....	P.Q.....	89 91
Drouin.....	P.Q.....	17 00	East Arlington.....	N.S.....	25 52
Droxford.....	Sask.....	195 35	East Arrow Park.....	B.C.....	167 00
Drumhead.....	N.S.....	201 00	East Baccaro.....	N.S.....	34 00
Drummondville.....	N.S.....	71 70	East Bathurst.....	N.B.....	422 70
Dry Fork.....	Alberta.....	77 65	East Bay.....	Man.....	181 00
Dry River.....	Man.....	147 48	East Bay.....	N.S.....	105 20
Duagh.....	Alberta.....	51 00	East Bay, north side.....	N.S.....	35 20
Dubail.....	P.Q.....	31 70	East Bella Bella.....	B.C.....	173 70
Dublin Shore.....	N.S.....	189 75	East Bideford.....	P.E.I.....	54 50
Duck Cove (summer office).....	N.B.....	103 00	Eastbourne (summer office).....	Ont.....	20 00
Duck Range.....	B.C.....	37 65	East Branch.....	P.Q.....	30 00
Duck Mountain.....	Man.....	41 37	East Branch River John.....	N.S.....	22 00
Dudley.....	Ont.....	91 50	East Brenton.....	N.S.....	28 95
Dudswell Junction.....	P.Q.....	119 20	East Brighton.....	N.B.....	41 25
Dufaultville.....	P.Q.....	40 09	Eastbrook.....	Sask.....	68 75
Dufferin.....	N.B.....	10 05	East Brookville.....	N.S.....	42 50
Dufferin Mines.....	N.S.....	20 00	Eastburg.....	Alberta.....	114 53
Dufour.....	P.Q.....	32 51	East Centreville.....	N.B.....	65 00
Dufourville.....	N.B.....	22 00	East Chebogue.....	N.S.....	48 00
Dufresne.....	Man.....	45 50	East Chezzetcook.....	N.S.....	213 00
(a) Dufrost (closed 15-7-17).....	Man.....	85 20	East Clifford.....	N.S.....	36 50
Dufton.....	Sask.....	61 80	East Collette.....	N.B.....	78 22
Dugald.....	Man.....	495 20	East Dover.....	N.S.....	115 55
Dugas.....	N.B.....	35 00	East Earltown.....	N.S.....	71 20
Duguayville.....	N.B.....	21 70	Eastern Passage.....	N.S.....	176 10
Duhamel.....	P.Q.....	107 50	Eastern Points.....	N.S.....	76 20
Duke.....	Sask.....	45 50	East Ferry.....	N.S.....	84 29
Dumbarton Station.....	N.B.....	65 20	East Folly Mountain.....	N.S.....	45 20
Dumblane.....	Ont.....	55 70	East Fraserville.....	N.S.....	50 00
Dumoine.....	P.Q.....	11 00	East Galloway.....	N.B.....	22 00
Dunakeym.....	N.S.....	40 75	Eastgate.....	Alberta.....	47 90
Dunallen.....	Man.....	70 00	Eastglassville.....	N.B.....	50 92
Dunany.....	P.Q.....	62 99	East Hall's Harbour Road.....	N.S.....	56 95
Dunbar Heights.....	B.C.....	243 00	East Hungerford.....	Ont.....	14 00
Dunboyne.....	Ont.....	467 76	East Jeddore.....	N.S.....	225 30
Duncan.....	N.S.....	103 00	East Kelowna.....	B.C.....	127 10
Duncan Cove.....	N.S.....	35 20	Eastlake.....	N.S.....	4 00
Dundas.....	N.B.....	43 70	East Leicester.....	N.S.....	71 57

(a) Reopened 19-11-17.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
East Linton.....	Ont.	60 24	Elbourne.....	Sask.	26 00
East Margaree.....	N.S.	197 50	Elbridge.....	Alberta.	43 30
East Mines Station.....	N.S.	179 38	Elcan.....	Alberta.	240 05
East New Annan.....	N.S.	53 60	Elder's Mills.....	Ont.	103 07
Easton.....	N.S.	82 20	Eldon Mines (opened 1-5-17, closed 16-11-17).....	Alberta.	15 11
East Portapique.....	N.S.	44 00	Eldon Station.....	Ont.	228 80
East Quinan.....	N.S.	72 00	Eldorena.....	Alberta.	30 50
East Port Medway.....	N.S.	206 65	Electric.....	Ont.	187 00
East River Point.....	N.S.	121 25	Elgin House (summer office).....	Ont.	475 00
East River, St. Mary's.....	N.S.	152 30	Elgin Mills.....	Ont.	196 25
East River, Sheet Harbour.....	N.S.	53 25	Elgin Road.....	P.Q.	106 40
East Riverside.....	B.	39 50	Elmville.....	Ont.	155 93
East Rogerville.....	B.	73 00	Elizabeth Bay.....	Ont.	52 84
East Roman Valley.....	N.S.	69 00	Elkdale.....	Man.	70 00
East Sable River.....	N.S.	83 75	Elk Prairie.....	B.C.	20 10
East Side of Ragged Island.....	N.S.	97 07	Elk Ranch.....	Man.	73 10
East Side Port l'Hébert.....	B.C.	83 45	Elkton.....	Alberta.	127 28
East Sooke.....	N.S.	49 70	Elkwater.....	Alberta.	153 50
East Southampton.....	N.S.	249 75	Ellaton.....	Ont.	43 00
East Uniacke.....	N.S.	42 00	Ellerslie Station.....	P.E.I.	454 00
Eastville.....	N.S.	141 51	Ellesmere (closed 1-12-17).....	Ont.	48 30
East Wabamun (summer office, opened 18-7-17).....	Alberta.	15 00	Elliott's Corners.....	Ont.	26 00
East Wallace (closed 1-11-17).....	N.S.	12 00	Ellis.....	Ont.	137 10
East Walton.....	N.S.	41 25	Ellisboro'.....	Sask.	252 50
East Waterville.....	N.B.	37 20	Elison.....	B.C.	110 25
Eastway (closed 14-11-17).....	Alberta.	120 60	Ellwood.....	Ont.	72 50
East Wentworth.....	N.S.	265 37	Elma.....	Ont.	180 50
Eaton.....	P.Q.	270 90	Elmartha.....	Sask.	28 00
Eatonville.....	N.S.	35 73	Elm Brook.....	Ont.	62 51
Ebbsfleet.....	P.E.I.	51 45	Elmeroft.....	N.B.	29 00
Ebenezer Valley.....	Sask.	70 00	Elm Grove.....	Man.	49 10
Eberts.....	Ont.	456 35	Elm Hill.....	N.B.	39 55
Eboulements Centre.....	P.Q.	71 47	Elmhurst.....	N.B.	50 00
Eboulements East.....	P.Q.	54 25	Elmont.....	Sask.	16 25
Echohill.....	Alberta.	34 63	Elmsdaic.....	P.E.I.	465 05
Echo Lake.....	Ont.	62 65	Elmside.....	P.Q.	128 00
Echo Vale.....	P.Q.	46 50	Elm Springs.....	Sask.	117 26
Economy Point.....	N.S.	124 15	Elmstead.....	Ont.	112 85
Ecum Secum.....	N.S.	226 65	Elmvale.....	N.S.	153 53
Ecum Secum Bridge.....	N.S.	217 60	Elmsville.....	N.B.	214 00
Eddleston.....	Sask.	9 20	Elm Tree.....	Ont.	132 25
Eddy.....	Ont.	290 20	Elm Valley.....	N.B.	14 00
Eddyside.....	Sask.	57 10	Elsie.....	Ont.	58 03
Eden.....	Ont.	367 23	Elswick.....	Sask.	90 00
Eden Grove.....	Ont.	286 81	Elton.....	Man.	41 50
Edenbridge.....	Sask.	197 75	Elysée.....	P.Q.	44 80
Edenkillie.....	Sask.	54 00	Elzevir.....	Ont.	59 15
Eden Lake.....	N.S.	30 00	Emberson.....	Ont.	18 50
Eden Mills.....	Ont.	251 83	Emerald.....	Ont.	221 51
Eden Valley.....	Sask.	4 00	Emerald.....	N.S.	14 00
Edgar.....	Ont.	234 58	Emerson.....	N.B.	91 16
Edgell.....	Sask.	32 36	Emesville.....	Man.	34 00
Edgett's Landing.....	N.B.	355 25	Emileville.....	P.Q.	176 00
Edgewater.....	B.C.	104 00	Endiang.....	Alberta.	279 25
Edhillen (opened 1-6-17).....	Man.	80 55	English.....	Ont.	181 95
Edina.....	P.Q.	34 00	English Corner.....	N.S.	105 74
Edmontonville (closed 26-10-17).....	P.Q.	68 30	Enid.....	Sask.	31 65
Edmonton Sub-Office No. 5.....	Alberta.	a	Enilda.....	Alberta.	99 16
Edmonton Sub-Office No. 6.....	Alberta.	a	Enishore.....	N.B.	65 00
Edmonton Sub-Office No. 7.....	Alberta.	a	Eniskillen Station.....	N.B.	269 25
Edmonton Sub-Office No. 8.....	Alberta.	a	Enon.....	N.S.	26 00
Edmore.....	Sask.	68 00	Ensligh.....	Alberta.	242 80
Edmund (opened 15-10-17).....	Sask.	33 32	Entreclac (summer office).....	P.Q.	173 50
Edward.....	Alberta.	221 76	Entry Island.....	P.Q.	25 00
Edwards Point (closed 1-3-18).....	Man.	52 25	Epping.....	Ont.	74 20
Edwardsville.....	N.S.	19 00	Equity.....	Sask.	10 00
Edwell.....	Alberta.	165 14	Eramosa.....	Ont.	250 25
Edwin.....	Man.	194 30	Erie Beach (summer office).....	Ont.	188 00
Edy's Mills.....	Ont.	155 40	Erin Lodge (opened 20-8-17).....	Alberta.	25 00
Eel Cove.....	N.S.	25 00	Ermine.....	Sask.	141 80
Eel River Bridge.....	N.B.	136 40	Ernstel (closed 22-12-17).....	Alberta.	47 20
Egg Island.....	P.Q.	12 00	Errington.....	B.C.	232 27
Eghe St. Pierre les Becquets.....	P.Q.	93 04	Escuminac.....	N.B.	64 00
Egmontville.....	Ont.	255 00	Escuminac Flats.....	P.Q.	95 91
Egmont (opened 1-5-17).....	B.C.	108 52	Escuminac Nord.....	P.Q.	78 00
Egmont Bay (closed 7-4-17).....	P.E.I.	a	Eskasoni.....	N.S.	41 50
Egremont.....	Alberta.	40 11	Eskasoni Chapel.....	N.S.	18 00
Eigenheim.....	Sask.	5 25	Eskbank.....	Sask.	380 00
Eight Island Lake.....	N.S.	61 50	Esmonde (closed 15-5-17).....	Ont.	2 00
Eildon.....	Sask.	18 00	Espérance.....	Sask.	29 00
Elardee.....	Sask.	23 00	Esquesing.....	Ont.	30 00

aFor Revenue see under Edmonton Sub-Offices.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Essex.....	N.S.	15 00	Fawn.....	B.C.	47 20
Essondale.....	B.C.	643 50	Fawn Lake.....	Alberta...	120 75
Essonville.....	Ont.	40 61	Fedorah.....	Alberta...	96 90
Estcourt.....	P.Q.	442 87	Feener's Corner.....	N.S.	26 08
Esther.....	Alberta...	42 20	Felton.....	Ont.	81 80
Estmere.....	N.S.	103 25	Feltz South.....	N.S.	7 00
Etag des Caps.....	P.Q.	12 50	Fenaghvale.....	Ont.	62 70
Ethelton.....	Sask.	131 50	Fenn.....	Alberta...	128 26
Ethelwyn.....	Alberta...	72 95	Fenner.....	Alberta...	84 44
Ethmuir.....	Sask.	33 70	Fenton.....	Sask.	176 00
Etna.....	N.S.	22 95	Fenwick.....	N.B.	36 90
Etobicoke.....	Ont.	54 73	Ferguson's Falls.....	Ont.	15 00
Ettrick.....	Ont.	232 35	Ferguson Manor.....	N.B.	179 44
Ettyville.....	Ont.	35 00	Ferguson's Lake.....	N.S.	26 00
Etwell.....	Ont.	117 05	Ferguson Flats.....	Alberta...	102 60
Eustis.....	P.Q.	472 75	Fergusonvale.....	Ont.	63 00
Eva.....	Alberta...	43 50	Ferland.....	Sask.	98 30
Evandale.....	N.B.	169 00	Ferme Rouge.....	P.Q.	47 32
Evangeline.....	N.B.	16 00	Fernmount.....	N.B.	51 24
Evans.....	N.B.	52 00	Fern Creek.....	Alberta...	36 25
Evanston.....	N.S.	44 00	Ferndale.....	N.B.	7 00
Evansville.....	Ont.	95 41	Ferndale House.....	Ont.	16 00
Everard.....	Ont.	216 60	Fern Glen.....	Ont.	92 45
Everett.....	N.B.	100 40	Fernlee.....	Ont.	68 00
Evergreen.....	Alberta...	101 92	Fernleigh.....	Ont.	98 59
Eversley.....	Ont.	252 50	Fermoy.....	Ont.	124 06
Ewan.....	Ont.	37 20	Feronia.....	Ont.	192 54
Ewelme.....	Alberta...	25 00	Ferrybank.....	Alberta...	45 27
Ewing.....	Alberta...	27 05	Ferry Point.....	Alberta...	124 52
Ewings Landing.....	B.C.	277 50	Ferry Road.....	N.B.	136 00
Excelsior.....	Alberta...	16 00	Fertile.....	Sask.	213 18
Excelsior.....	Ont.	102 95	Fertility.....	Alberta...	69 75
Exmoor.....	N.B.	24 00	Fetherston.....	Ont.	65 00
Eye Hill.....	Alberta...	58 73	Feuille d'Erable.....	P.Q.	190 45
Eyre.....	Sask.	28 90	Fielding.....	N.B.	67 43
Fabyan (opened 1-5-17).....	Alberta...	140 90	Fieldville.....	P.Q.	118 85
Fafard.....	P.Q.	19 85	Fife.....	B.C.	259 00
Fairacres.....	Alberta...	24 70	Fife Lake.....	Sask.	92 40
Fairdale.....	Sask.	14 10	Findlay.....	Man.	313 46
Fairfield.....	N.B.	83 15	Finland.....	Ont.	64 00
Fairford.....	Man.	419 83	Finlay Forks.....	B.C.	10 00
Fairhall.....	Man.	7 50	Finlayson.....	N.S.	15 08
Fairhaven.....	N.B.	126 50	Finmark.....	Ont.	115 00
Fairholme.....	Ont.	45 00	Fir Grove.....	N.B.	8 00
Fairlawn.....	Sask.	26 55	Fir Grove.....	P.Q.	62 85
Fairmede.....	Sask.	128 95	Fir Mountain.....	Sask.	22 20
Fairmont.....	N.S.	18 20	Fir Ridge.....	Sask.	33 00
Fairmont Springs.....	B.C.	71 55	First South.....	N.S.	92 66
Fairmount.....	Ont.	89 79	Fiset (opened 1-12-17).....	P.Q.	24 12
Fair Vale.....	N.B.	507 00	Fish Creek.....	Sask.	38 10
Fairview Station.....	N.S.	366 59	Fisher Mill.....	N.S.	37 50
Fairydell.....	Alberta...	97 60	Fisherman Bay.....	B.C.	94 00
Fairy Glen.....	Sask.	82 20	Fisherman's Harbour.....	N.C.	75 74
Fairy Hill.....	Sask.	66 00	Fisher Home.....	Alberta...	27 20
Faith.....	Alberta...	141 90	Fisher Branch.....	Man.	746 28
Falardeau.....	Ont.	127 00	Fisher River.....	Man.	131 50
Falkenburg Station.....	Ont.	394 52	Fisherston.....	Man.	129 90
Falkland.....	N.S.	103 60	Fishing Lake.....	Sask.	71 70
Falkland.....	N.S.	223 85	Fitsmaurice.....	Sask.	81 63
Fallbrook.....	Ont.	306 20	Fitzpatrick.....	P.Q.	120 50
Fall River.....	Ont.	42 08	Five Fingers.....	N.B.	276 39
Falmouth.....	N.S.	157 70	Five Mile River.....	N.S.	157 25
False Bay (opened 1-6-17).....	B.C.	87 75	Flagstaff.....	Alberta...	
Fame Point.....	Alberta...	149 80	Etamand.....	P.Q.	143 00
Fanfard.....	P.Q.	96 15	Flamboro Centre.....	Ont.	167 08
Fanford.....	Sask.	54 20	Flanders.....	Ont.	690 95
Fanny Bay.....	B.C.	166 50	Flatbush (closed 8-4-17).....	Alberta...	
Fara-day.....	Ont.	40 70	Flat Creek.....	Alberta...	10 50
Fareham (opened 1-3-18).....	Alberta...	10 00	Flat Lake.....	Alberta...	181 45
Farmingdale.....	Sask.	119 76	Flatlands.....	N.B.	213 00
Farmington.....	N.S.	31 50	Flee Island.....	Man.	32 55
Farmville.....	N.S.	4 00	Flett's Springs.....	Sask.	91 00
Farrington Hill.....	Ont.	a	Flet wode.....	Sask.	58 20
Farrington.....	Ont.	20 46	Feurant.....	P.Q.	74 50
Fartown.....	Sask.	33 90	Flcury.....	P.Q.	183 30
Faucher.....	P.Q.	48 54	Flint.....	Ont.	374 28
Faulkner (opened 17-9-17).....	Man.	74 24	Flodden.....	P.Q.	60 70
Fauvel.....	P.Q.	110 25	Flood.....	B.C.	72 65
Fauxborough.....	N.S.	12 00	Floral.....	Sask.	205 75
Fawcett.....	Alberta...	201 22	Florann.....	Alberta...	62 77
Fawcett Hill.....	N.B.	41 00	Florze (closed 1-1-18).....	Man.	8 00
			Flowers' Cove (closed 20-6-17).....	N.B.	9 00

aFor Revenue see under Brantford Sub-Office.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Flower Station.....	Ont.	344 96	Frankslake.....	Sask.	68 02
Flowing Well.....	Sask.	76 05	Franktown.....	Ont.	465 85
Flynn.....	P.Q.	35 00	Fraser Arm.....	B.C.	80 00
Foley.....	Man.	69 77	Fraserburg.....	Ont.	56 17
Foley Brook.....	N.B.	57 00	Fraser's Mills.....	N.S.	29 00
Folkins.....	N.B.	85 00	Fraser's Point (summer season).....	P.Q.	43 00
Folly Lake.....	N.S.	243 46	Fraserton.....	Alberta.	272 02
Folly Mountain.....	N.S.	36 10	Fraxville.....	N.S.	22 05
Fonderie.....	P.Q.	35 07	Frechette.....	P.Q.	7 00
Pontarabie.....	P.Q.	107 73	Frederickhouse.....	Ont.	98 00
Pontenelle.....	P.Q.	240 55	Fredericton Road.....	N.B.	52 70
Forbes.....	N.S.	5 00	Freedale.....	Man.	212 90
Forbes Point.....	N.S.	165 50	Free Grant.....	N.B.	31 15
Forbesville.....	Alberta.	15 50	Freeman River.....	Alberta.	14 00
Forcina.....	Alberta.	32 50	Freemington.....	Sask.	28 50
Ford.....	Sask.	27 25	Freemont.....	Sask.	41 00
Ford Bank (opened 1-8-17).....	N.B.	57 78	French Bay.....	Ont.	11 00
Ford's Mills.....	N.B.	201 01	French Cove.....	N.S.	45 95
Foreman.....	Alberta.	87 26	French Hill.....	Ont.	76 00
Forest Bank.....	Sask.	85 72	French Lake.....	N.B.	75 15
Forest City.....	N.B.	54 20	French River.....	N.S.	64 00
Forester.....	Sask.	218 85	French River.....	P.E.I.	356 65
Forest Farm.....	Sask.	37 20	French Road.....	N.S.	51 00
Forest Glen.....	N.S.	21 00	Frenchvale.....	N.S.	11 00
Forest Grove (opened 1-8-17).....	B.C.	116 58	French Village.....	P.E.I.	104 45
Forest Hall.....	Sask.	53 75	French Village.....	N.B.	37 00
Forest Hill (closed 1-1-18).....	N.S.	5 00	French Village.....	N.S.	119 25
Forest Hill.....	N.B.	46 65	Frenchville (late Filiatrault 1-10-17).....	Sask.	92 27
Forest Home.....	N.S.	36 00	Frenette.....	P.Q.	11 00
Forest Lawn.....	Alberta.	215 02	Freppe.....	P.Q.	20 00
Forest Nook (summer office).....	Ont.	400 00	Freshfield.....	Alberta.	18 50
Foreston.....	N.B.	181 24	Freshwater.....	P.Q.	38 75
Forestville.....	Ont.	33 50	Friar's Head.....	N.S.	111 45
Forfar.....	Ont.	235 10	Friedberg.....	Alberta.	24 00
Pork Lake.....	Alberta.	29 00	Friedental.....	Alberta.	98 75
Forks.....	N.B.	6 00	Frog Lake.....	Ont.	180 92
Forks Baddeck.....	N.S.	67 70	Frognore.....	Ont.	93 75
Fort à la Corne.....	Sask.	82 05	Frontenac.....	P.Q.	27 44
Fort Alexander.....	Man.	169 29	Frontier (opened 1-7-17).....	Sask.	64 78
Fort Assiniboine.....	Alberta.	141 50	Frost Village.....	P.Q.	45 70
Fort Augustus.....	P.E.I.	64 30	Fry's.....	Sask.	203 15
Fort Chipewyan.....	Alberta.	105 20	Fugeroville.....	P.Q.	98 17
Fortescue.....	Ont.	37 50	Fu da.....	Sask.	88 70
Fortier.....	Man.	403 73	Fulton Brook.....	N.B.	31 00
Fort Fitzgerald.....	Alberta.	51 70	Fundale.....	Sask.	57 75
Fort Lawrence.....	N.S.	123 75	Furman.....	Alberta.	37 00
Fort Louisburg.....	N.S.	26 63	Furnace Falls.....	Ont.	49 70
Fort Pelly.....	Sask.	41 00	Furness.....	Sask.	38 50
Fort Providence.....	Alberta.	57 70	Fusilier.....	Sask.	783 34
Fort Resolution.....	Alberta.	47 64			
Fort St. James.....	B.C.	206 76	Gabarouse Barachois.....	N.S.	470 00
Fort St. John.....	B.C.	149 83	Gabarus Lake.....	N.S.	87 00
Fort Simpson.....	Alberta.	50 00	Gabriola Island.....	B.C.	207 00
Fort Smith.....	Alberta.	92 70	Gad's Hill Station.....	Ont.	365 50
Fort Vermilion.....	Alberta.	133 25	Gagné.....	P.Q.	91 20
Fort William.....	P.Q.	163 05	Gagnon.....	Ont.	96 10
Forty Mile.....	Yukon.	60 00	Gahern.....	Alberta.	102 00
Fossambault.....	P.Q.	18 00	Gairloch Mountain.....	N.S.	12 40
Fosston.....	Sask.	105 95	Galena.....	B.C.	249 06
Fosterville.....	N.B.	150 21	Galarneauville.....	Alberta.	66 00
Fouchu.....	N.S.	188 10	Galesburg.....	Ont.	14 00
Fournierville.....	Sask.	69 00	Galilee.....	Sask.	208 35
Four Falls.....	N.B.	236 30	Gallagher.....	N.B.	45 00
Four Roads.....	N.B.	31 84	Gallant Settlement.....	N.B.	19 00
Fourteen Island Lake (summer office).....	P.Q.	122 50	Gallivan.....	Sask.	300 80
Fourteen Mile House.....	N.S.	45 17	Gallocks.....	Sask.	31 90
Fowler's Corners.....	Ont.	149 31	Galloway.....	B.C.	151 20
Fox.....	Alberta.	64 25	Galston (closed 20-6-17).....	Ont.	16 51
Fox Creek.....	N.B.	336 50	Galway.....	N.B.	49 70
Foxdale.....	Sask.	34 00	Gambier.....	B.C.	355 00
Foxey.....	Ont.	68 60	Gameland.....	Ont.	40 25
Fox Harbour.....	N.S.	53 40	Gananogue Junction.....	Ont.	5 00
Fox Harbour Point.....	N.S.	47 00	Gang Ranch.....	B.C.	93 15
Fox Island Main.....	N.S.	23 00	Cap View.....	Sask.	25 50
Foxmead.....	Ont.	344 90	Garden Head.....	Sask.	28 47
Fox Hills.....	Sask.	32 50	Garden Hill.....	Ont.	222 11
Fox Point.....	N.S.	109 85	Gardenia (closed 1-12-17).....	Sask.	24 00
Fox River.....	N.S.	398 07	Garden Island.....	Ont.	37 50
Fox Valley.....	Sask.	308 50	Garden of Eden.....	N.S.	75 69
Foymont.....	Ont.	47 20	Garden Plain.....	Alberta.	308 90
Fradetville.....	P.Q.	31 00	Gardiner Mines.....	N.B.	22 00
Framboise.....	N.S.	101 45	Gardner's Creek.....	N.B.	60 00
Framboise Intervale.....	N.S.	34 40	Gardner's Mills.....	N.S.	25 00
Framnes.....	Man.	65 29	Garland.....	N.S.	34 56
Frankburg.....	Alberta.	84 55	Garland.....	Man.	343 54

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Gurland Mountain.....	N.B.	9 00	Glaslyn.....	Sask.	72 75
Garneau Junction.....	P.Q.	267 34	Glassburn.....	N.S.	50 00
Garner Lake.....	Alberta.	27 00	Glassford (closed 1-9-17).....	Alberta.	30 70
Garnet.....	N.B.	28 70	Glaude.....	N.B.	16 00
Garnier.....	P.Q.	20 50	Gleason Road.....	N.B.	101 00
Garonne.....	Sask.	90 00	Glebe Road.....	N.S.	8 00
Garrington.....	Alberta.	70 95	Gledhow.....	Sask.	152 25
Garroz.....	P.Q.	57 25	Glenea.....	P.Q.	233 82
Garry.....	N.S.	28 00	Glenada.....	Sask.	153 50
Garth (closed 1-5-17).....	Alberta.	17 50	Glen Adelaide.....	Sask.	38 10
Garthby West.....	P.Q.	212 50	Glen Alda.....	Ont.	73 75
Gaspé Bay, South.....	P.Q.	70 70	Glen Almond.....	P.Q.	121 30
Gaspereau.....	N.B.	70 70	Glen Alpine.....	N.S.	35 80
Gaspereau Station.....	N.B.	204 20	Glen Andrew.....	Ont.	143 51
Gaudette.....	P.Q.	133 00	Glenannan.....	Ont.	146 99
Gauthier.....	P.Q.	33 00	Glenarm.....	Ont.	282 20
Gauvin.....	P.Q.	21 50	Glen Banner (closed 1-3-18).....	Alberta.	68 20
Gawns.....	Ont.	135 00	Glen Bean (closed 20-9-17).....	P.Q.	53 25
Gaythorne.....	N.B.	37 04	Glenberrie.....	N.S.	141 40
Geary.....	N.B.	130 65	Glenbogie.....	Sask.	148 35
Geoggin.....	N.S.	17 59	Glenboyle.....	Yukon.	59 50
Gellatly.....	B.C.	98 12	Glenbrea.....	Sask.	39 50
Gen.....	Alberta.	351 60	Glenburnie.....	Ont.	114 00
Gendron.....	P.Q.	17 00	Glenbush.....	Sask.	291 61
Genesse.....	Alberta.	21 76	Glencairn.....	Man.	246 25
Genest.....	P.Q.	19 00	Glen Campbell.....	N.S.	10 00
Genthon.....	Man.	321 00	Glencoe.....	N.S.	15 20
Georgefield.....	N.S.	127 00	Glencoe.....	N.B.	40 25
George's River.....	N.S.	133 60	Glencoe Mills.....	N.S.	41 59
George's River Station.....	N.S.	39 00	Glenoove.....	N.S.	4 00
Georgeville.....	N.S.	57 20	Glen Cross.....	Ont.	142 50
Georgina Island.....	Ont.	33 50	Glendale.....	N.S.	120 70
Gergovia.....	Sask.	68 00	Glendale.....	Man.	20 00
Gorin.....	P.Q.	107 00	Glendinning.....	Man.	52 20
Germania.....	Ont.	76 50	Glenadon.....	Alberta.	25 20
German Brook.....	N.B.	35 50	Glendower.....	Ont.	28 00
German Mills.....	Ont.	31 50	Glendyer.....	N.S.	57 25
Germantown.....	N.B.	37 00	Glen Elder.....	Sask.	60 00
Gervonville (closed 1-5-17).....	Sask.	32 00	Glendyne.....	P.Q.	306 55
Gerrard Island.....	N.S.	32 00	Glenelg.....	N.S.	72 64
Gethsemani.....	P.Q.	33 00	Glenelien.....	Sask.	78 85
Geyser.....	Man.	107 95	Glen Elmo.....	Man.	78 25
Giant's Lake.....	N.S.	22 20	Glenemma.....	B.C.	79 40
Giasson.....	P.Q.	25 00	Glenewis.....	Alberta.	233 08
Gibbon.....	N.B.	52 00	Glenfarne (summer office).....	P.Q.	20 11
Gibbs.....	Sask.	273 00	Glenfield.....	Ont.	27 50
Gibson (closed 1-3-18).....	Ont.	101 44	Glenford.....	Alberta.	37 30
Gibson Heights.....	B.C.	346 75	Glen Forest.....	P.E.I.	23 00
Gifford.....	P.Q.	168 65	Glenforsa.....	Man.	16 00
Gifford Station.....	B.C.	89 31	Glengarden.....	Alberta.	48 76
Gilbert.....	Alberta.	208 50	Glengarry.....	N.S.	3 00
Gilbert Cove.....	N.S.	12 00	Glengarry Station.....	N.S.	264 45
Gilbert des Caps.....	P.Q.	210 25	Glengarry Valley.....	N.S.	23 00
Gilby.....	Alberta.	157 72	Glenglow (closed 3-11-17).....	Alberta.	
Gilks.....	N.B.	24 60	Glen Haven.....	N.S.	158 83
Gillander's Mountain.....	N.S.	95 00	Glenhewitt.....	Alberta.	33 50
Gilhespie.....	Sask.	38 00	Glen Huron.....	Ont.	144 98
Gillies Bay.....	B.C.	6 00	Glenhurst (closed 1-3-18).....	Sask.	30 45
Gillies Lake.....	N.S.	11 00	Gleniffer.....	Alberta.	24 00
Gillies Point.....	N.S.	25 00	Glen Island (summer office).....	Ont.	82 00
Gillies Point East.....	N.S.	34 45	Glenister.....	Alberta.	49 70
Gillies Cove.....	N.S.	53 77	Glenkeen.....	N.S.	15 00
Gillisdale.....	N.S.	23 00	Glen Kerr.....	Sask.	29 00
Gillisville.....	N.S.	5 00	Glenlily.....	B.C.	41 32
Gilnokie.....	Sask.	24 50	Glenlivet.....	P.Q.	74 00
Gilt Edge.....	Alberta.	71 00	Glenlivet.....	N.B.	60 00
Girard.....	P.Q.	30 05	Glen Leslie.....	Alberta.	55 50
Girardville.....	P.Q.	217 07	Glen Major.....	Ont.	46 02
Gironde.....	P.Q.	50 00	Glen Margaret.....	N.S.	182 09
Girouardville.....	N.B.	115 25	Glen Mary.....	Sask.	47 60
Girouxville (opened 15-6-17).....	Alberta.	67 50	Glen Meyer.....	Ont.	252 96
Glacier Creek.....	Yukon.	285 50	Glen McPherson.....	Sask.	68 50
Gladmar.....	Sask.	27 50	Glen Morrison.....	N.S.	20 00
Gladstone.....	N.B.	80 70	Glenmount (summer office).....	Ont.	262 00
Gladwin.....	Sask.	41 50	Glenora.....	N.S.	22 25
Gladwyn.....	N.B.	248 70	Glenora Falls.....	N.S.	13 00
Gladys.....	Alberta.	22 00	Glen Orchard.....	Ont.	114 60
(a) Glamorgan.....	Ont.	430 00	Glen Porter (closed 1-7-17).....	N.B.	
Glanford Station.....	Ont.	49 74	Glen Rae.....	Ont.	133 35
Glanmire.....	Ont.	24 50	Glenreagh.....	Alberta.	124 96
Glasgow.....	N.S.	14 20	Glen Road.....	N.S.	10 00
Glasgow Mountain.....	N.S.		Glenrosa.....	B.C.	90 95

(a) Reopened 3-7-17.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Glenrose.....	Sask.	113 68	Grand Deuxième.....	P.Q.	19 50
Glenroy.....	Ont.	291 95	Grand Grève.....	N.S.	50 72
Glenushee.....	Ont.	51 00	Grande Montagne.....	P.Q.	90 00
Glen Sutton.....	P.Q.	419 04	Grande Pointe.....	Man.	78 75
Glen Titus.....	N.B.	23 50	Grande Vallée.....	P.Q.	270 00
Glen Tosh.....	N.S.	36 00	Grands Fonds.....	P.Q.	10 00
Glentworth.....	Sask.	134 50	Grandigue.....	N.B.	148 11
Glen Valley.....	B.C.	195 00	Grandin.....	Alberta.	64 60
Glenview.....	Alberta.	57 25	Grandique Ferry.....	N.S.	26 00
Glenville.....	N.S.	47 20	Grand Lake Station.....	N.S.	64 65
Glenwood.....	N.B.	128 45	Grand Mira, North.....	N.S.	27 00
Glenwood, Lot 8 (closed 1-2-18).....	P.E.I.	128 70	Grand Mira, South.....	N.S.	23 00
Glevennah.....	Alberta.	47 98	Grand Pabos.....	P.Q.	159 70
Glidehurst.....	Alberta.	18 00	Grand Pabos, Ouest.....	P.Q.	42 52
Gobeil.....	P.Q.	57 25	Grand Rang.....	P.Q.	80 40
Goble's.....	Ont.	239 69	Grand Rapids.....	Man.	46 00
Godbout.....	P.Q.	85 70	Grand Remou.....	P.Q.	87 20
Goddard.....	Alberta.	145 35	Grande Rivière Ouest.....	P.Q.	176 00
Goff's.....	N.S.	76 75	Grand River Falls.....	N.S.	30 20
Go-Home (summer office).....	Ont.	357 09	Grand St. Esprit.....	P.Q.	206 45
Golburn Valley.....	Sask.	22 75	Grand St. Louis.....	P.Q.	49 70
Gold Brook.....	N.S.	22 45	Grangeville.....	N.B.	45 00
Goldburg.....	Sask.	37 20	Granite Creek.....	B.C.	114 30
Gold Creek, late Fescue (1-9-17).....	Alberta.	55 00	Granite Hill.....	Ont.	54 70
Golden Acre.....	Sask.	40 00	Granite Siding.....	B.C.	23 50
Goldenburg.....	Ont.	57 77	Granlea.....	Alberta.	34 50
Golden Grove.....	N.B.	50 00	Grant.....	Ont.	585 70
Golden Grove Mills.....	N.B.	14 01	Grantville.....	N.S.	109 73
Golden Plain.....	Sask.	122 65	Granville.....	Yukon.	150 00
Golden Prairie.....	Sask.	277 60	Grass Cove.....	N.S.	32 50
Golden Spike.....	Alberta.	8 00	Grassmere.....	Ont.	37 00
Golden Stream.....	Man.	115 80	Grass River (closed 1-1-18).....	Man.	58 70
Golden Vale.....	Sask.	28 00	Grattan.....	N.B.	41 35
Golden Valley.....	Ont.	201 83	Grattan.....	Ont.	98 47
Golden West.....	Sask.	57 75	Gratz.....	Alberta.	15 00
Gold Rock.....	Ont.	43 40	Gravel.....	P.Q.	38 35
Gold Spring.....	Alberta.	52 50	Gravel Hill.....	Ont.	76 20
Goldstream.....	B.C.	134 75	Gravesend.....	Sask.	41 05
Gollier.....	Sask.	43 90	Grayburn.....	Sask.	147 00
Gondola Point.....	N.B.	135 50	Gray Creek.....	B.C.	93 00
Gonor.....	Man.	62 25	Graydahl.....	Sask.	51 25
Goodhue.....	Sask.	15 20	Graystones.....	Alberta.	8 09
Good Hope.....	Alberta.	57 00	Graytown.....	Sask.	81 70
Gooding.....	Sask.	46 40	Great Deer.....	Sask.	204 75
Goodwin Mill.....	N.B.	29 00	Great Desert.....	Sask.	80 00
Gooseberry Cove.....	N.B.	63 50	Greece's Point.....	P.Q.	102 40
Goose Creek.....	N.B.	37 20	Greenbank.....	Sask.	299 20
Gopher Head.....	Alberta.	77 05	Greenbrier.....	Ont.	360 69
Gordon.....	Sask.	6 50	Greenbrier.....	Sask.	104 95
Gordon Head.....	B.C.	105 40	Greendale.....	N.S.	12 00
Gordon Lake.....	Ont.	224 55	Greene.....	Sask.	132 45
Gordon Rapids.....	N.B.	155 45	Greenfield.....	N.B.	40 39
Gordonsville.....	N.S.	284 95	Greenfield, Queens.....	N.S.	371 81
Gore.....	N.S.	284 95	Greenfield, Colchester.....	N.S.	75 25
Gore.....	P.Q.	152 00	Green Glade.....	Alberta.	38 00
Gorefield.....	Sask.	183 90	Green Harbour.....	N.S.	164 50
Goring.....	Ont.	116 26	Green Lake.....	Sask.	56 25
Gorkendon.....	Sask.	20 60	Greenland (closed 1-12-17).....	N.S.	19 00
Gosford.....	P.Q.	13 00	Greenland.....	Man.	32 50
Goshen.....	N.B.	10 00	Greenlawn.....	Alberta.	162 40
Goshen.....	N.S.	147 83	Green Mountain.....	Ont.	21 00
Goudromerie.....	P.Q.	10 00	Greenock.....	Ont.	332 39
Gouffre.....	P.Q.	24 00	Greenough Settlement.....	N.S.	30 00
Goulais Bay.....	Ont.	131 61	Green Ridge.....	Man.	187 15
Goulais River.....	Ont.	124 31	Green River.....	P.Q.	103 49
Goulbourne.....	Man.	25 75	Green River.....	Ont.	257 47
Gould Station.....	P.Q.	230 50	Green River Station.....	N.B.	325 44
Gouldtown.....	Sask.	148 95	Green's Brook.....	N.S.	26 00
Goulet.....	P.Q.	51 00	Greensides.....	Sask.	44 00
Gowland Mountain.....	N.B.	28 00	Greenstreet.....	Sask.	74 15
Grace.....	Sask.	99 73	Greenvale.....	N.S.	9 70
Grahamdale.....	Man.	520 04	Greenview.....	Ont.	70 92
Graham Hill.....	Sask.	70 00	Greenville Station.....	N.S.	195 23
Graham Landing.....	B.C.	123 00	Greenwald.....	Man.	63 10
Grainfield.....	N.B.	59 00	Greenwich Hill.....	N.B.	166 00
Grainland (closed 20-11-17).....	Alberta.	6 06	Greer.....	N.B.	78 10
Graminia.....	Alberta.	79 20	Greer Mount.....	P.Q.	56 19
Gramont.....	P.Q.	121 15	Gregan.....	N.B.	176 20
Grand Aldouane.....	N.B.	39 00	Gregherd (opened 1-5-17).....	Sask.	48 00
Grande Anse.....	N.S.	130 45	Gregory.....	Ont.	270 63
Grand Bay.....	N.B.	282 67	Grenadier Island.....	Ont.	62 93
Grand Beach (summer office, reopened 15-6-17).....	Man.	141 00	Grenville Bay.....	P.Q.	99 45
Grande Caroline.....	P.Q.	60 70	Grey's Mills.....	N.B.	74 25
Grand Désert.....	N.S.	172 00	Greywood.....	N.S.	60 06
			Griffin Cove East.....	P.Q.	116 46

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Griffin-Creek.....	Alberta...	263 36	Halvorgate.....	Sask.....	31 95
Griffith.....	Ont.....	162 61	Hamel.....	P.Q.....	45 10
Grimshy Park (summer office).....	Ont.....		Hamelin.....	P.Q.....	30 00
Grimsthorpe.....	Ont.....	68 75	Hamill's Point (summer office).....	Ont.....	171 30
Grizzly Bear.....	Alberta...	160 20	Hamilton.....	P.E.I.....	175 10
Gronlines Est.....	P.Q.....	79 25	Hamilton Cove.....	P.Q.....	196 57
Gronlines Station.....	P.Q.....	157 00	Hamilton Mountain.....	N.B.....	49 70
Gronlines Ouest.....	P.Q.....	49 80	Hamilton Piers (summer office).....	Ont.....	
Grosmont.....	Alberta...	64 75	Hamilton Sub-Office No. 2 (closed 31-6-17, reopened 5-12-17).....	Ont.....	
Gros Morne.....	P.Q.....	42 17	Hamilton, Sub-Office No. 6.....	Ont.....	c
Gros Pin.....	P.Q.....	45 97	Hamilton, Sub-Office No. 7.....	Ont.....	c
Grosse Isle.....	Man.....	248 87	Hamilton, Sub-Office No. 8.....	Ont.....	c
Grosse Coques.....	N.S.....	257 64	Hamilton, Sub-Office No. 9 (closed 18-5-17, reopened 6-7-17).....	Ont.....	c
Grosses Roches.....	P.Q.....	165 75	Hamilton, Sub-Office No. 10.....	Ont.....	c
Grossewerder.....	Sask.....	72 00	Hamilton, Sub-Office No. 11 (closed 6-6-17, reopened 28-7-17).....	Ont.....	424 00
Grosvenor.....	N.S.....	21 00	Hamlin.....	Alberta...	199 23
Gros Ventre.....	Alberta...	108 13	Hammertown.....	Ont.....	45 25
Groton.....	Alberta...	80 50	Hammond River.....	N.B.....	77 75
Grove Park.....	Sask.....	22 50	Hammondvale.....	N.B.....	112 80
Grove Creek.....	P.Q.....	56 50	Hampton.....	P.E.I.....	239 10
Groves Point.....	N.S.....	64 90	Hamrik.....	Man.....	32 40
Grund.....	Man.....	36 25	Hamtown (closed 1-11-17).....	N.B.....	13 00
Grunthal.....	Man.....	152 80	Hanbury.....	Ont.....	107 15
Gueguen.....	N.B.....	75 50	Hanbury.....	B.C.....	211 22
Guimond.....	N.B.....	31 90	Hanceville.....	B.C.....	175 20
Guindon.....	P.Q.....	21 00	Handsforth.....	Sask.....	60 89
Guiney.....	Ont.....	22 00	Hamford Brook.....	N.B.....	31 04
Guite.....	P.Q.....	50 98	Hannon.....	Ont.....	396 50
Gulf Shore.....	N.S.....	48 00	Hansford.....	N.S.....	70 00
Gunderson.....	Sask.....	145 25	Hanson.....	Sask.....	17 00
Gull Cove.....	N.S.....	49 65	Happy Valley.....	B.C.....	72 00
Gunn.....	Alberta...	49 36	Harbledown.....	B.C.....	112 00
Gunning Cove.....	N.S.....	273 25	Harbour Centre.....	N.B.....	19 70
Gunningsville.....	N.B.....	149 75	Harbour Road.....	N.S.....	55 76
Gunter.....	Ont.....	153 62	Harbourview.....	N.S.....	110 09
Gurneyville.....	Ont.....	94 50	Harbourville.....	N.S.....	201 60
Guthrie.....	Ont.....	141 25	Harecourt.....	Ont.....	196 51
Gwynemer (opened 1-12-17).....	Man.....	35 75	Hardwicke.....	P.Q.....	205 25
Gysborough Intervale.....	N.S.....	96 27	Hardwood Hills.....	N.B.....	36 00
Gwendoline.....	Sask.....	10 59	Hardwood Lake.....	Ont.....	49 00
HAAS.....	Man.....	141 65	Hardwood Lands.....	N.S.....	25 00
Hachi.....	N.B.....	51 40	Harehills.....	Sask.....	68 50
Hacheyville.....	N.B.....	12 00	Harewood.....	N.B.....	21 60
Hacke.....	Alberta...	51 60	Harlan.....	Sask.....	126 70
Hackett's Cove.....	N.S.....	253 30	Harlem.....	Ont.....	197 49
Hadashville.....	Man.....	198 66	Harlington.....	Man.....	131 00
Haddock.....	Alberta...	59 32	Harlowe.....	Ont.....	161 48
Hadlington.....	Ont.....	30 50	Harmatten.....	Alberta...	179 12
Hadlow Cove.....	P.Q.....	26 95	Harmony.....	Ont.....	91 75
Hagermans Corners.....	Ont.....	194 75	Harmony.....	N.S.....	77 50
Haglof.....	Sask.....	57 50	Harmony Mills.....	N.S.....	171 40
Haines Lake.....	Ont.....	13 00	Harnett.....	Sask.....	40 30
Hairy Hill.....	Alberta...	197 06	Harmsworth.....	Man.....	162 25
Halbstadt.....	Man.....	65 00	Harper's Camp.....	B.C.....	301 97
Halecomb.....	N.B.....	58 30	Harper's Corners.....	Ont.....	62 00
Halecourt.....	Alberta...	113 20	Harperville.....	Man.....	35 00
Halero.....	Sask.....	25 10	Harpree.....	Sask.....	92 40
Haleyton Hot Springs.....	B.C.....	367 50	Harrigan Cove.....	N.S.....	230 20
Haldane Hill.....	Ont.....	97 50	Harrington.....	P.E.I.....	6 50
Haldimand.....	P.Q.....	229 09	Harrington Harbour.....	P.Q.....	61 63
Haif Island Cove.....	N.S.....	212 82	Harrisland.....	Sask.....	34 65
Halfmoon Bay.....	B.C.....	239 70	Harrison Hot Springs.....	B.C.....	507 30
Halfway Brook.....	N.S.....	45 25	Harrison Settlement.....	N.S.....	10 00
Halfway Cove.....	N.S.....	80 00	Harrisville.....	N.B.....	28 00
Halfway Lake.....	Alberta...	85 10	Hart.....	Sask.....	317 25
Halfway River Station.....	N.S.....	170 00	Hartcliffe (closed 1-7-17).....	Alberta...	5 25
Halicz.....	Man.....	29 15	Hartfield (closed 1-3-18).....	N.B.....	53 25
Halifax, Sub-Office No. 3.....	N.S.....	b	Hartford.....	N.S.....	99 00
Halifax, Sub-Office No. 4 (closed 31-5-17, reopened 25-7-17).....	N.S.....	b	Hartley.....	Ont.....	134 54
Hall.....	B.C.....	340 75	Hartley Bay.....	B.C.....	102 75
Hallboro.....	Man.....	115 00	Hartling.....	N.S.....	292 91
Halley.....	Alberta...	92 20	Hartshorn.....	Alberta...	236 00
Hallgarth.....	Sask.....	40 50	Hartmere.....	Ont.....	57 00
Halls Bridge.....	Ont.....	521 49	Hartville.....	N.S.....	85 20
Hali's Glen.....	Ont.....	54 00	Harvard Lakes.....	N.S.....	12 00
Hali's Harbour.....	N.S.....	149 30	Harvey Bank.....	N.B.....	109 15
Hall's Lake.....	Ont.....	50 48	Harwill.....	Man.....	25 50
Hall's Prairie.....	B.C.....	81 30	Harwood Plains.....	Ont.....	17 00
Halpenny.....	Ont.....	67 50	Haskett.....	Man.....	260 50
Halversen.....	P.Q.....	49 70			

aReopened 25-7-17.

bFor Revenue see under Halifax Sub-Offices.

cFor Revenue see under Hamilton Sub-Offices.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Hasset.	N.S.	58 40	Heon	P.Q.	40 00
Hastings (closed 7-1-18).	N.S.	17 00	Heppel	P.Q.	72 05
Hastings	N.B.	12 20	Hercules	Alberta.	82 50
Hastings Coulee (closed 29-1-18).	Alberta.	50 09	Hereford	P.Q.	39 00
Hatchley Station.	Ont.	303 69	Hermitage Club.	P.Q.	65 00
Hatfield.	Sask.	111 25	Hernit Lake.	Alberta.	59 70
Hartherleigh.	Sask.	110 10	Hernon	Ont.	181 21
Hathersage.	Alberta.	166 20	Heron Island.	N.B.	28 00
Hattonford.	Alberta.	53 25	Herring Cove.	N.S.	82 05
Haultain.	Ont.	39 50	Hérouville.	P.Q.	221 69
Haultain (closed 1-3-18).	Sask.	56 15	Herronton.	Alberta.	30 00
Hauter.	P.Q.	127 61	Hesquiat (closed 1-6-17).	B.C.	7 00
Haut Lameque.	N.B.	51 60	Hétriére.	P.Q.	17 00
Haut Shippigan.	N.B.	20 85	Hewitt Landing.	Sask.	103 60
Havelock.	N.S.	150 08	Hexham.	N.B.	72 00
Havendale.	N.S.	54 00	Hibernia.	N.B.	104 60
Havergale.	Ont.	99 48	High Bank.	P.E.I.	39 50
Haverhill.	Sask.	69 20	High Falls.	P.Q.	136 30
Haverigg.	Alberta.	22 50	Highfield.	N.B.	127 95
Havilah.	Ont.	45 50	High Hill.	Sask.	36 75
Hawkeye.	Sask.	102 62	Highland.	N.S.	14 00
Hawkhurst.	Sask.	34 25	Highland Hill.	N.S.	20 00
Hawk Lake.	Ont.	102 30	Highland Ranch.	Alberta.	24 03
Hawsdale.	Alta.	128 79	Highland Village.	N.S.	86 00
Hawthorne.	Ont.	68 57	High Point.	Sask.	30 10
Hawthorne.	N.S.	25 00	Highvale.	Alberta.	90 20
Hay.	Ont.	329 26	High View.	Sask.	164 10
Hay Cove.	N.S.	74 12	Highworth.	Sask.	48 00
Hay Creek.	Alberta.	60 90	Hilbre.	Man.	238 51
Hay Meadow.	Sask.	70 00	Hilda.	Alberta.	403 95
Hayesville.	N.B.	53 20	Hildegard.	N.B.	20 30
Hayland.	Man.	38 20	Hilden.	N.S.	151 00
Hayhurst (closed 1-8-17).	Alberta.		Hillaton.	N.S.	61 20
Hay River.	Alberta.	25 02	Hillbank.	B.C.	277 00
Hay's River.	N.S.	30 61	Hilldale.	Sask.	65 25
Hazel Bank.	Sask.	50 00	Hillburn.	Sask.	36 30
Hazel Bluff (closed 22-1-18).	Alberta.	42 50	Hill Crest.	P.Q.	16 00
Hazeldale.	N.S.	30 00	Hill End.	Alberta.	144 70
Hazell Dell.	Sask.	194 00	Hillesden.	Sask.	51 25
Hazel Land.	P.Q.	47 80	Hill Farm.	Sask.	33 50
Hazelridge.	Man.	467 65	Hill Grove.	N.S.	66 70
Hazelwood.	Sask.	82 20	Hillfardton.	Ont.	158 50
Hazlet.	Sask.	19 40	Hillsborough.	N.S.	125 38
Head Lake.	Ont.	179 00	Hillsburn.	N.S.	136 54
Headlands.	Sask.	17 50	Hillsdale.	N.S.	27 00
Head of Amherst.	N.S.	168 00	Hillsdale.	N.B.	153 29
Head of Chezzetcook.	N.S.	270 23	Hillsdown.	Alberta.	223 57
Head of Jeddore.	N.S.	180 20	Hillside.	Ont.	130 86
Head of Loelaber.	N.S.	51 00	Hillside Boularderie.	N.S.	76 75
Head of Loch Lomond.	N.S.	50 00	Hillside.	N.S.	43 00
Head of Millstream.	N.B.	160 80	Hillside.	Sask.	135 00
Head of St. Margaret's Bay.	N.S.	336 75	Hillsley.	Sask.	55 00
Head of Tide.	N.B.	189 35	Hillspring.	Alberta.	446 31
Hearnleigh.	Alberta.	49 26	Hillsvale.	N.S.	64 80
Heart Lake.	Alberta.	199 50	Hilltop.	Man.	81 40
Heaslip Station.	Man.	112 95	Hillview.	Ont.	114 30
Heather Brae (closed 27-8-17).	Alberta.	50 25	Hillview.	N.S.	22 00
Heath Creek.	Alberta.	23 95	Hillview.	Man.	46 55
Heathdale.	Alberta.	63 50	Hilly Grove.	Ont.	46 55
Heath Point.	P.Q.		Hilton.	B.C.	128 60
Hebbs Cross.	N.S.	154 33	Hindon Hill.	Ont.	25 00
Hebville.	N.S.	78 00	Hindville.	Alberta.	36 28
Hebert.	N.B.	19 00	Hinton.	Alberta.	48 55
Hebron.	N.B.	41 00	Hiram.	Alberta.	81 00
Hecla.	Man.	158 65	Hnauss.	Man.	175 90
Hectanooga.	N.S.	172 80	Hoard's Station.	Ont.	317 00
Hector (summer office).	Ont.	170 00	Hoath.	Sask.	53 50
Heidelburg.	Ont.	251 64	Hobbema.	Alberta.	149 05
Heikla.	Ont.	94 50	Hobart.	Ont.	51 45
Heinsburg.	Alberta.	108 17	Hoeckfeld.	Man.	17 13
Heldar.	Alberta.	138 15	Hoeckstadt.	Man.	42 14
Helena (closed 1-8-17).	P.Q.	30 65	Hoeckin Landing.	B.C.	32 50
Helmsdale.	Alberta.	36 45	Hoeckley.	Ont.	106 30
Hemford.	N.S.	319 67	Hoequart.	P.Q.	74 00
Hemison.	P.Q.	106 80	Hodgenville.	Sask.	490 70
Hemerson Settlement.	N.B.	90 80	Hodgins.	P.Q.	63 40
Henderson's Grove (closed 10-10-17).	P.Q.	14 00	Hodgson.	Man.	476 50
Henderson Vale.	P.Q.	25 00	Hodson (closed 30-6-17).	N.S.	
Henfryn.	Ont.	90 70	Hogan (closed 30-6-17).	Ont.	137 58
Hennepin.	P.Q.	24 67	Holar.	Sask.	38 00
Hennigar.	N.S.	132 90	Holbeck.	Sask.	157 20
Henribourg.	Sask.	205 30	Holbein.	Sask.	87 00
Henriol.	Sask.	31 35	Holborn.	Alberta.	92 71
Henrivassal (opened 1-5-17).	P.Q.	159 40	Holderville.	N.B.	80 40
Henry River, late Gourand (1-4-17).	P.Q.	573 31	Holland's Mills.	P.Q.	59 00

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Holmesville	N.B.	50 50	Hyde Park	Man.	22 00
Holmesville	Ont.	289 75	Hyder	Man.	78 50
Holmwood	B.C.	44 01	Hydraulic	B.C.	59 20
Holt	Ont.	118 50	Hydro Glen	Ont.	222 00
Holtville	N.B.	86 63	Hyndman	Man.	50 40
Holyrood	Ont.	521 50	Hythe	Alberta.	144 90
Homeglen	Alberta.	94 10			
Homer	Ont.	136 00	Ida	N.B.	14 00
Homer Siding	Ont.	79 50	Idaleen	Sask.	21 00
Homeside	Ont.	770 00	Ideal	Man.	79 76
Homeville	N.S.	15 00	Idylwild	Man.	39 95
Homewood	Man.	488 45	Ile à la Crosse	Sask.	75 00
Honeydale	N.B.	161 00	Ile aux Oies	P.Q.	17 64
Honey Harbour (summer office)	Ont.	327 00	Ile Mainville	P.Q.	70 00
Honeymoon	Sask.	8 00	Ile Michon	P.Q.	6 05
Honora	Ont.	91 20	Illerbrun	Sask.	31 85
Hope Bay	Ont.	182 34	Ilfracombe	Ont.	64 25
Hopefield	Ont.	20 00	Imhoff	N.B.	61 85
Hopefield	P.E.I.	175 90	Imlah	N.B.	37 50
Hope Hill	Sask.	23 00	Imrie (opened 15-5-17)	Alberta.	134 05
Hope Point (closed 15-9-17)	B.C.	18 00	Inchby	N.B.	50 90
Hopetown	P.Q.	58 00	Indian Brook	N.S.	64 15
Hopetown	Ont.	141 26	Indian Harbour	N.S.	317 52
Hope Valley	Alberta.	42 25	Indian Harbour Lake	N.S.	81 75
Hopewell	N.B.	118 83	Indian Island	N.B.	22 15
Hopington	B.C.	102 60	Indian Mountain	N.B.	44 00
Hopkins	Alberta.	85 43	Indian Point	N.S.	150 75
Hopkins Landing	B.C.	85 20	Indian Road	N.S.	51 05
Hopper	N.B.	23 60	Indian Springs	Man.	59 50
Horfield	Sask.	45 00	Ingebright	Sask.	221 00
Hornby Island	B.C.	339 06	Inglesford	Sask.	81 28
Horncastle	Ont.	49 00	Ingleton (closed 22-6-17)	Alberta.	13 00
Horndean	Man.	110 35	Inglis	Alberta.	38 29
Horn's Road	N.S.	30 00	Ingoldsby	Ont.	42 35
Horse Butte	Sask.	55 75	Ingolf	Ont.	184 05
Horse Creek (opened 1-7-17)	Sask.	32 00	Ingomar	N.S.	232 50
Horse Lake	Sask.	58 25	Ingonish Beach	N.S.	139 32
Horseshoe Canyon (closed 1-6-17)	Alberta.	3 00	Ingonish Centre	N.S.	49 11
Horseshoe Lake	Alberta.	11 00	Ingonish Ferry	N.S.	156 55
Hoselaw	Alberta.	26 97	Inholmes	Ont.	50 70
Hotham	Ont.	80 70	Inkerman Ferry	N.B.	35 00
Hotspur	Ont.	9 00	Inlet	P.Q.	78 50
Houde	P.Q.	12 00	Inlet Baddeck	N.S.	30 20
Hough Lake	Ont.	97 13	Innes	Sask.	102 10
Housey's Rapids	Ont.	163 75	Innisville	Ont.	83 30
Hove	Man.	35 80	Interlake	Sask.	25 00
Howard Brook	N.B.	29 30	Intervale	N.B.	31 00
Howardville	Man.	54 70	Intola	Ont.	60 00
Howdenville (summer office)	Ont.	26 00	Invergordon	Sask.	177 00
Howie	Alberta.	106 75	Inventa	N.S.	41 20
Howie Centre	N.S.	6 00	Invernairn (closed 23-5-17)	Sask.	13 00
Howland	P.E.I.	296 20	Iola	Alberta.	33 37
Howser	B.C.	74 35	Iona	P.E.I.	145 25
Hoyle	Ont.	268 70	Iona Rear	N.S.	71 00
Hubert	B.C.	51 79	Ireland	N.S.	16 00
Hudson Hope	B.C.	74 30	Ireland	Ont.	36 11
Hugel	Ont.	62 60	Iris	P.E.I.	91 32
Hulatt (closed 1-9-17)	B.C.	32 00	Irishtown	N.B.	59 30
Hume	Sask.	222 25	Irish Vale	N.S.	32 15
Hume Rear	N.S.	18 00	Iron Bound Cove	N.B.	20 00
Humphrey	Ont.	42 20	Iron Hill	P.Q.	225 01
Huns' Valley	Man.	87 70	Iron Mines	N.S.	61 00
Hunta	Ont.	94 75	Iron Ore	N.S.	9 00
Hunter's Home	N.B.	28 51	Ironside	P.Q.	312 79
Hunter's Lodge	N.S.	16 00	Ironville	N.S.	39 00
Hunter's Mountain	N.S.	41 75	Iroquois	N.B.	112 27
Hunter's Point	P.Q.	104 50	Iroquoisville	Alberta.	69 75
Hunter's Town	P.Q.	140 25	Isaac's Harbour North	N.S.	129 80
Hunterville	Alberta.	52 47	Isafold	Man.	14 95
Huntington	N.S.	11 00	Isberwood	Ont.	48 75
Hunt's Point	N.S.	202 73	Island Point	N.S.	69 00
Hupel	B.C.	112 75	Island River	N.B.	114 00
Hurdman Lodge	Sask.	93 70	Isle aux Coudees	P.Q.	94 39
Hurville	Ont.	142 87	Isle Bizard	P.Q.	147 62
Hurley Corner	N.B.	12 00	Isle des Chênes	Man.	87 00
Huronina Mine (closed 15-8-17)	Ont.	12 75	Isle Dupas	P.Q.	106 00
Huronville	Sask.	114 00	Isle Perrot, North	P.Q.	207 23
Hussvick	Man.	22 00	Isle Verte, Sud	P.Q.	55 15
Hustlers	Sask.	26 50	Ispas	Alberta.	39 00
Hutton House	Ont.	167 65	Issoudun	P.Q.	213 20
Hutton Mills (opened 1-11-17)	B.C.	156 82	Italy Cross	N.S.	255 55
Hyannes	N.S.	16 00	Ivera	N.S.	9 00
Hybla	Ont.	301 31	Ivor (closed 2-5-17)	Sask.	
Hydah	B.C.	39 40	Ivry	P.Q.	73 80
Hyde	Sask.	51 50	Ivry Nord	P.Q.	282 00

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Ivy.....	Ont.....	251 00	Junor.....	Sask.....	155 00
Ivy-Lea (closed 24-11-17).....	Ont.....	175 01	Juvenile Settlement.....	N.B.....	59 26
Jackfish Lake (closed 21-8-17).....	Sask.....	14 00	Kahshe Lake (summer office).....	Ont.....	135 25
Jack's Lake.....	Ont.....	69 10	Kahwin.....	Alberta.....	120 50
Jackson.....	N.S.....	59 50	Kakawis.....	B.C.....	42 55
Jackson Corners.....	Ont.....	127 20	Kaleida.....	Man.....	386 78
Jacksonville.....	N.S.....	10 00	Kaleland.....	Alberta.....	10 00
Jackville (closed 13-12-17).....	Alberta.....	27 00	Kalevala.....	Man.....	88 20
Jaco Hughes.....	P.Q.....	46 60	Kamouraska-aux-Côtes.....	P.Q.....	69 83
Jaffa.....	Ont.....	61 75	Kanata.....	Alberta.....	77 25
Jailletville.....	N.B.....	24 49	Kananaskis.....	Alberta.....	102 25
James Bay Junction.....	Ont.....	80 15	Kanawana (summer office).....	P.Q.....	30 00
James River.....	N.S.....	21 00	Kannon.....	P.Q.....	72 75
James River Bridge.....	Alberta.....	43 25	Kantenville.....	Sask.....	62 95
James River Station.....	N.S.....	352 50	Kanyengeh.....	Ont.....	38 00
Jamesville.....	N.S.....	26 00	Karluk.....	Sask.....	210 70
Jamesville West.....	N.S.....	112 30	Kashabowiwe.....	Ont.....	199 95
Janetville Station.....	Ont.....	107 20	Kavanagh Mills.....	N.S.....	21 50
Janow.....	Man.....	593 85	Kawartha Park (summer office).....	Ont.....	155 00
Jardine Brook.....	N.B.....	19 50	Kawene.....	Ont.....	81 15
Jardineville.....	N.B.....	57 45	Kayville (closed 1-5-17, reopened 23-6-17).....	Sask.....	15 00
Jarlsberg.....	Ont.....	274 75	Kazubazua Station.....	P.Q.....	202 10
Jarnac.....	P.Q.....	16 80	Kealey Springs.....	Sask.....	51 43
Jauvria's Harbour.....	N.S.....	37 00	Keatley.....	Sask.....	82 00
Jeanette's Creek.....	Ont.....	197 67	Kedgemakooge.....	N.S.....	60 00
Jeanne d'Arc.....	P.Q.....	104 23	Kedron.....	N.B.....	17 00
Jean Noel.....	P.Q.....	31 85	Keefers.....	B.C.....	298 00
Jedburgh.....	Sask.....	119 40	Keelerville.....	Ont.....	45 00
Jedidore Oyster Ponds.....	N.S.....	362 80	Keephills.....	Alberta.....	114 99
Jedway.....	B.C.....	65 37	Kegaska.....	P.Q.....	20 97
Jefferson.....	Ont.....	159 26	Keithley Creek.....	B.C.....	50 00
Jeffry.....	N.B.....	151 54	Keld.....	Man.....	55 60
Jeffrey.....	Alberta.....	19 53	Kells (closed 15-5-17).....	Ont.....	19 50
Jellicoe.....	Ont.....	203 10	Kelly.....	P.Q.....	89 59
Jellyby.....	Ont.....	239 90	Kelly's Cross.....	P.E.I.....	215 00
Jennings.....	Alberta.....	59 25	Kelley Cove.....	N.S.....	15 00
Jersey Cove.....	N.S.....	38 25	Kelly's Mills.....	P.Q.....	71 60
Jersey Cove.....	P.Q.....	147 85	Kelso (closed 1-8-17).....	P.Q.....	15 00
Jersey Mills.....	P.Q.....	138 00	Kelso.....	Ont.....	179 00
Jesmond (opened 1-3-18).....	B.C.....	35 00	Kelvin Glen.....	N.S.....	6 00
Jethson.....	Alberta.....	38 00	Kemnay.....	Man.....	224 50
Jewellville.....	Ont.....	142 54	Kempt Road.....	N.S.....	51 40
Jock Vale.....	Ont.....	62 40	Kempt Road Hill.....	P.Q.....	36 25
Jocko River.....	Ont.....	199 40	Kempt Shore.....	N.S.....	225 30
Joffe.....	P.Q.....	30 00	Kempt Town.....	N.S.....	100 91
Joggin Bridge.....	N.S.....	368 46	Kempton.....	Ont.....	9 00
Johnson's Croft.....	N.B.....	8 00	Kenex.....	Alberta.....	59 50
Johnson Landing (opened 1-12-17).....	B.C.....	35 00	Kenfalls (summer office).....	B.C.....	164 37
Johnson's Mills.....	N.B.....	5 00	Kenlis.....	Sask.....	173 01
Johnson's River.....	P.E.I.....	256 80	Kenloch.....	N.S.....	173 01
Johnstown.....	N.S.....	51 00	Kenneway.....	Ont.....	59 70
Johnville.....	N.B.....	136 45	Kennebecasis Island.....	N.B.....	29 70
Jolicure.....	N.B.....	151 95	Kennell.....	Sask.....	41 00
Joly (closed 20-4-17).....	P.Q.....	25 00	Kennetcook Corner.....	N.S.....	240 58
Junction Bel Air (closed 1-9-17).....	P.Q.....	255 00	Kenney.....	Ont.....	410 25
Jones Falls.....	Ont.....	200 34	Kennington Cove.....	N.S.....	21 00
Jonquière, Ouest.....	P.Q.....	57 25	Kenogami Lake.....	Ont.....	108 50
Jordan Bay.....	N.S.....	153 15	Kenington (closed 1-8-17).....	P.Q.....	31 48
Jordan Bay, E. Side.....	N.S.....	78 00	Kenington Heights (opened 1-9-17).....	Ont.....	62 50
Jordan Branch.....	N.S.....	65 20	Kenington Point (summer office, opened 28-8-17).....	Ont.....	65 26
Jordan Ferry.....	N.S.....	68 20	Kennington Prairie.....	B.C.....	39 25
Jordan Mountain.....	N.B.....	23 20	Kensmith.....	Sask.....	86 95
Jordan River (opened 1-6-17).....	Sask.....	52 50	Kent Centre.....	Ont.....	181 15
Joseph Farm.....	P.Q.....	25 12	Kent Junction.....	N.B.....	85 00
Josephine.....	Sask.....	47 20	Kent Lake.....	N.B.....	201 94
Josephsburg.....	Ont.....	25 00	Kentvale.....	Ont.....	50 00
Josephsburg (closed 14-11-17).....	Alberta.....	107 50	Kenyon (opened 15-6-17, closed 30-11-17).....	Ont.....	9 00
Joynt.....	P.Q.....	81 15	Kerpoach.....	N.S.....	89 50
Joyal.....	P.Q.....	36 01	Kermaria.....	Sask.....	29 16
Jual (closed 1-10-17).....	Ont.....	6 00	Kerndale (opened 1-11-17).....	Alberta.....	10 00
Jubilee.....	N.S.....	42 15	Kerry.....	N.B.....	24 75
Juddhaven.....	Ont.....	301 33	Kersey.....	Alberta.....	174 40
Judge.....	Ont.....	47 25	Kersley.....	B.C.....	25 60
Judique.....	N.S.....	142 57	Kessler.....	Alberta.....	61 00
Judique Intervale.....	N.S.....	27 00	Kessock (opened 1-6-17).....	Sask.....	57 50
Judique, North.....	N.S.....	187 58	Ketch Harbour.....	N.S.....	390 42
Judique, South.....	N.S.....	236 50	Kettle Valley.....	B.C.....	91 00
Jutien.....	P.Q.....	47 40	Kevisville.....	Alberta.....	223 37
Jumbo Gardens (opened 1-8-17).....	Ont.....	40 08	Kew.....	Alberta.....	37 00
Jumping Pound.....	Alberta.....	220 73	Kewstoke.....	N.S.....	97 50
Juniatu.....	Sask.....	447 70	Key Junction.....	Ont.....	
Juniper (opened 1-10-17).....	N.B.....	81 41			
Juniper Island (summer office).....	Ont.....	256 40			
Juniper Mount.....	N.S.....	14 00			

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
Keystone.....	Alberta.	\$ 19 00	Knutsford.....	B.C.	\$ 80 75
Keystown.....	Sask.	448 67	Koch Siding.....	B.C.	493 55
Kew West.....	Sask.	63 50	Komarno.....	Man.	337 28
Khartum.....	Ont.	49 65	Kootenay Bay.....	B.C.	172 50
Kilfoil.....	N.B.	55 20	Kopernick.....	Alberta.	14 00
Kilkenny.....	Man.	24 50	Korah.....	Ont.	87 80
Killaloe.....	Ont.	120 60	Koshee.....	Ont.	45 00
Killam's Mills.....	N.B.	82 00	Kossuth.....	Ont.	40 50
Killarney Lake.....	Alberta.	49 00	Kouchibouguac Beach.....	N.B.	34 35
Killowen.....	N.B.	65 00	Kowkash.....	Ont.	104 00
Kiltarlity.....	N.S.	58 00	Krakow.....	Alberta.	66 60
Kilronan.....	Sask.	86 45	Kramer.....	Sask.	21 00
Kilwinning.....	Sask.	55 75	Krasne.....	Sask.	15 50
Kilwinning Siding.....	Sask.	95 00	Kreuzburg.....	Man.	413 80
Kimball.....	Alberta.	272 00	Krupp.....	Sask.	73 20
Kimberley.....	P.Q.	32 75	Kuest.....	Sask.	191 01
Kimsquit (summer office).....	B.C.	42 50	Kulish.....	Sask.	94 80
Kinbrae.....	Sask.	51 00	Kuskonook.....	Man.	127 00
Kincardine.....	N.B.	46 40	Kuskonook.....	B.C.	116 04
Kincolith.....	B.C.	149 05	Kyle.....	Sask.	26 75
King Corner (closed 10-10-17).....	P.Q.	10 00	Kylemore.....	Sask.	305 80
Kinglake.....	Ont.	233 50	Kyleville.....	Sask.	170 10
Kingross.....	N.S.	64 70	Kyouquot.....	B.C.	54 45
Kingsclear.....	N.B.	338 98	Kynoch.....	Ont.	166 16
Kingsburg.....	N.S.	68 10			
Kingscroft.....	P.Q.	104 72	LA BALEINE.....	P.Q.	27 20
Kingscroft.....	N.B.	61 75	La Barre.....	P.Q.	76 45
Kingsford.....	Sask.	194 10	La Barrière.....	P.Q.	49 65
Kingsgate.....	B.C.	391 05	Labissonnière.....	P.Q.	41 00
King's Head.....	N.S.	95 10	Lebonnevillle.....	P.Q.	43 20
Kingsland.....	Sask.	82 00	La Boucane.....	P.Q.	16 00
Kingsley.....	Man.	90 14	La Branche.....	P.Q.	30 50
Kingsley (closed 1-11-17).....	N.B.	10 00	La Butte.....	P.Q.	38 96
Kingsmere.....	P.Q.	94 50	Lac à Laurent.....	P.Q.	26 00
Kingston Mills.....	Ont.	63 80	Lac à Beauce.....	P.Q.	70 33
Kingston Station.....	Ont.	343 50	Lac à Foin.....	P.Q.	77 75
Kingston Village.....	N.S.	200 69	Lac à la Truite (summer office).....	P.Q.	55 00
Kingsvale.....	B.C.	19 25	La Calmette.....	Alberta.	63 56
Kingsville.....	N.S.	77 91	Lacasse.....	P.Q.	23 10
Kingsway (summer office).....	Ont.	280 50	Lac aux Brochets.....	P.Q.	77 00
Kingwood.....	Ont.	51 00	Lac Beauport.....	P.Q.	98 50
Kimikink (opened 1-12-17).....	Alberta.	16 00	Lac Bellemare.....	P.Q.	224 84
Kimkora.....	P.E.I.	404 73	Lac Bellevue.....	Alberta.	69 70
Kimloss.....	Ont.	268 52	Lac Bitobig.....	P.Q.	54 00
Kimunday.....	Alberta.	233 61	Lac Bouchette Station.....	P.Q.	342 00
Kinosota.....	Man.	421 00	Lac Canard (opened 1-12-17).....	Alberta.	20 00
Kinnondale.....	Alberta.	53 78	Lac Castor.....	P.Q.	84 48
Kimstan's Corners.....	N.S.	367 00	Lac Charlebois (summer office).....	P.Q.	34 00
Kintail.....	Ont.	144 25	Lac Chat.....	P.Q.	136 00
Kintore.....	N.B.	166 50	Lac Cornu (summer office).....	P.Q.	60 00
Kipling.....	Ont.	223 10	Lac David.....	P.Q.	12 50
Kippenville.....	Alberta.	139 40	Lac des Commissaires.....	P.Q.	24 05
Kirkcaldy.....	Alberta.	168 05	Lac Désert.....	P.Q.	81 25
Kirkella.....	Man.	359 66	Lac Duhamel (summer office).....	P.Q.	25 00
Kirkhill.....	N.S.	20 50	Lac Echo (summer office).....	P.Q.	73 00
Kirkman Creek (summer office, closed 30-9-17).....	Yukon.		Lac François (opened 25-6-17).....	P.Q.	35 00
Kirkness.....	Man.	33 65	Lac Gatineau.....	P.Q.	20 00
Kirkmount.....	N.S.	9 00	Lac Gorman.....	P.Q.	16 00
Kirk's Ferry.....	P.Q.	337 05	Lac Grosleau.....	P.Q.	74 69
Kirkwood.....	N.S.	28 82	Lac Guindon (summer office).....	P.Q.	94 00
Kirkwood.....	N.B.	29 51	Lachance.....	P.Q.	50 16
Kirouac.....	P.Q.	112 13	Lachenaie.....	P.Q.	149 00
Kirwan.....	P.Q.	8 50	La Chevrotière.....	P.Q.	352 50
Kiskisink.....	P.Q.	204 45	Lachine Rapids.....	P.Q.	25 00
Kispox.....	B.C.	50 00	Lac Humqui.....	P.Q.	153 41
Kitchener.....	B.C.	221 48	Lackenby (opened 1-3-18).....	B.C.	25 00
Kitimat.....	B.C.	33 50	Lac la Biche.....	Alberta.	81 00
Kitimat mission.....	B.C.	63 76	Lac la Nonne.....	Alberta.	23 00
Kitsane (closed 9-9-17).....	B.C.	22 50	Lac la Pêche (summer office).....	P.Q.	160 00
Kitsum Kelum.....	B.C.	90 75	Lac la Ronge.....	Sask.	114 95
Kivikoski.....	Ont.	36 00	Lac Long.....	P.Q.	111 99
Kleczkowski.....	Sask.	87 35	Lac Manitou, Sud (summer office).....	P.Q.	199 50
Kleefeld.....	Man.	65 75	Lac Marois (summer office).....	P.Q.	
Klemme (closed 1-9-17).....	Alberta.	6 00	Lac Maskinongé (summer office, closed 15-7-17).....	P.Q.	10 00
Kleskeen Hill.....	Alberta.	62 25	Lac Nantel.....	P.Q.	118 83
Klintonel.....	Sask.	42 50	Lacolle Station.....	P.Q.	130 65
Kluane.....	Yukon.	102 50	La Conception Station.....	P.Q.	53 00
Knappen.....	Alberta.	117 25	Laconia.....	N.S.	30 50
Knighthington.....	Ont.	103 75	Lacordaire.....	Sask.	120 35
Knob Hill.....	Alberta.	84 74	La Corey (opened 1-12-17).....	Alberta.	24 00
Knowles.....	N.S.	92 00	La Corniche.....	P.Q.	19 00
Knowlton Landing.....	P.Q.	219 40	Lac Faquin (summer office).....	P.Q.	83 00
Knoxbridge.....	P.Q.	54 00	Lac Pelletier.....	Sask.	250 34
Knoydart.....	N.S.	28 00			

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Lac Renaud (summer office, opened 1-8-17).....	P.Q.	17 00	Lake William.....	N.B.	9 00
La Croche.....	P.Q.	84 00	Lake Thelma.....	Alberta..	39 50
La Croix.....	P.Q.	7 00	Lake Thomas.....	N.S.	67 76
Lac St. Joseph.....	P.Q.	210 17	Laketon.....	N.B.	20 50
Lac St. Pacome.....	P.Q.	9 50	Lake Uist.....	N.S.	32 00
Lac St. Vincent.....	Alberta..	61 05	Lakevale.....	N.S.	70 20
Lac Sergent.....	P.Q.	75 95	Lake Verd.....	P.E.I.	35 70
Lac Supérieur.....	P.Q.	116 70	Lakeview.....	N.S.	16 00
Lac Thomas.....	P.Q.	12 00	Lakeview.....	P.Q.	73 25
Lactor.....	P.Q.	20 00	Lakeview (closed 15-8-17).....	N.B.	14 70
Lac Tremblant (summer office).....	P.Q.	66 00	Lake View House (summer office).....	P.Q.	139 34
Lac Unique.....	N.B.	50 00	Lake Victoria (summer office).....	Ont.	10 00
Lac Vert.....	Sask.	241 00	Lakeville.....	N.S.	397 33
Lac Windigo.....	P.Q.	49 40	Lakeville Corner.....	N.B.	45 00
Lacy Road.....	N.S.	13 00	Lake Wasaw.....	Ont.	76 50
La Décharge.....	P.Q.	134 09	Lake Wayagamac (summer office, closed 1-5-17).....	P.Q.	9 00
La Descente des Femmes.....	P.Q.	31 26	Lake William.....	P.Q.	23 00
Ladstock.....	Sask.	184 00	Lalancette.....	P.Q.	95 95
LaDurantaye.....	P.Q.	169 77	Lallement.....	P.Q.	35 51
Ladysmith Station.....	Man.	69 80	La Madeleine.....	Alberta..	31 60
Ladywood.....	Man.	149 05	Lamarche (closed 20-11-17).....	P.Q.	48 20
Lafayette.....	P.Q.	67 55	La Mare.....	P.Q.	21 60
La Ferme (closed 20-4-17).....	P.Q.	322 97	Lambert Corners.....	P.Q.	23 51
Lafond.....	Alberta..	38 00	La Mfrisière.....	P.Q.	41 57
Lafrance.....	P.Q.	123 74	Lammermoor.....	Ont.	55 00
Lagacé.....	P.Q.	176 40	La Montagne.....	P.Q.	27 90
Lagadelle (opened 1-6-17).....	P.Q.	35 00	Lamy.....	P.Q.	94 20
Laganière.....	P.Q.	35 00	Lanark.....	N.S.	40 00
Laggan.....	N.S.	54 09	La Nation.....	P.Q.	76 10
La Glace.....	Alberta..	52 25	Lancelot.....	Ont.	70 70
La Grande Pointe.....	P.Q.	64 00	Lance Valley.....	Sask.	95 00
La Have Island.....	N.S.	203 36	Landestrew (closed 31-12-17).....	Sask.	14 00
Laidlaw.....	B.C.	293 40	Laudrienne (opened 18-7-17).....	P.Q.	128 90
Laird.....	Ont.	63 40	Laudrose.....	Sask.	11 00
Lake.....	Ont.	36 40	Landry.....	N.B.	30 00
Lake Ainslie Chapel.....	N.S.	8 00	Landscape.....	Sask.	62 95
Lake Ainslie (W. Side).....	N.S.	-0 80	Lands End.....	N.B.	29 00
Lake Ainslie (E. Side).....	N.S.	75 00	Lanes.....	Ont.	52 45
Lake Ainslie (S. Side).....	N.S.	31 05	Lanesville.....	N.S.	25 00
Lake Annis.....	N.S.	133 30	Lang.....	Ont.	349 10
Lake Aylmer.....	P.Q.	92 40	Langarra.....	B.C.	158 45
Lakeburn.....	N.B.	39 00	Langmeade.....	Sask.	81 58
Lake Canorasset (summer office, opened 1-7-17).....	P.Q.	88 50	Langvale.....	Man.	45 25
Lake Cayamont.....	P.Q.	7 00	Lanoraie Station.....	P.Q.	49 70
Lake Centre (closed 1-1-18).....	Sask.	54 65	La Normandie.....	P.Q.	41 00
Lake Clear.....	Ont.	255 00	Lansdowne.....	N.S.	31 50
Lake Couchiching (summer office).....	Ont.	-0 00	Lansdowne Station.....	N.S.	267 30
Lakedale.....	N.S.	91 89	L'Anse à Brillant.....	P.Q.	199 42
Lake Doucette.....	N.S.	61 25	L'Anse à Fougère.....	P.Q.	55 94
Lake Eliza.....	Alberta..	39 10	L'Anse à Giles.....	P.Q.	153 06
Lake Edward.....	N.B.	50 50	L'Anse à Giles Station.....	P.Q.	71 00
Lake Edmont.....	N.S.	194 25	L'Anse à la Barbe.....	P.Q.	257 10
Lakefield.....	P.Q.	43 33	L'Anse à la Cabane.....	P.Q.	30 39
Lake Frances.....	Man.	238 02	L'Anse à la Croix.....	P.Q.	78 30
Lake Francis Station.....	Man.	69 05	L'Anse au Beaufils.....	P.Q.	378 00
Lake Geneva.....	Alberta..	53 00	L'Anse aux Cousins.....	P.Q.	364 00
Lake George, Kings.....	N.S.	38 00	L'Anse à Valteau.....	P.Q.	69 00
Lake George, Yarmouth.....	N.S.	276 20	Lansing.....	Ont.	437 50
Lake Hill.....	B.C.	233 01	Lantana.....	Ont.	56 25
Lakehurst.....	Ont.	5 00	Lantier.....	P.Q.	86 00
Lake Ignace.....	Sask.	68 25	Lantz.....	N.S.	59 40
Lake Isle.....	Alberta..	70 85	Lauke.....	Alberta..	124 55
Lake Jolly.....	N.S.	65 95	La Passe.....	Ont.	295 55
Lake L'Achigan (summer office).....	P.Q.	13 20	Lapeyrière.....	P.Q.	5 00
Lakeland.....	Man.	126 55	La Petite Rivière saint Francois.....	P.Q.	217 00
Lake La Rose.....	N.S.	111 70	La Plaine.....	P.Q.	115 00
Lakelet.....	Ont.	47 00	La Plante.....	N.B.	35 25
Lake McGregor.....	Alberta..	15 00	Lapland.....	N.S.	69 00
Lake Midway.....	N.S.	57 50	Laporte.....	Sask.	35 82
Lake Munro.....	N.S.	82 40	La Ratière.....	P.Q.	25 28
Lakeneath.....	Sask.	33 75	Larawis.....	P.Q.	13 00
Lake Opinicon.....	Ont.	39 50	L'Archêvêque.....	N.S.	27 28
Lakepark.....	Sask.	45 00	Lardo.....	B.C.	145 60
Lake Paul.....	N.S.	14 25	L'Ardoise Highlands.....	N.S.	28 70
Lake Ramsay.....	N.S.	19 55	L'Ardoise West.....	N.S.	178 30
Lake Road.....	N.B.	29 00	La Reine.....	P.Q.	587 22
Lake Road.....	N.S.	40 35	La Renaudière.....	P.Q.	46 85
Lakesend.....	Alberta..	95 00	Larkin.....	Ont.	68 20
Lake St. Joseph Hotel (summer office).....	P.Q.		LaRochele.....	Man.	87 20
Lake St. Charles.....	P.Q.		Laroque.....	Ont.	48 50
Lakeside.....	P.Q.		Larouche.....	P.Q.	87 85

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
La Salette.....	Ont.	397 81	Lemay.....	P.Q.	13 65
Lascalles.....	P.Q.	173 43	Lemesurier.....	P.Q.	262 50
Laskay.....	Ont.	283 26	Leminster.....	N.S.	46 20
La Société.....	P.Q.	63 00	Lemouville.....	Ont.	146 25
Lasswade.....	Ont.	141 39	Lemoyne.....	P.Q.	428 03
Last Chance.....	Yukon.	22 50	Lena.....	Man.	449 50
Last Lake (opened 1-11-17).....	Alberta.	38 00	Leneuf.....	P.Q.	27 00
Last Mountain.....	Sask.	43 25	Lennard.....	P.Q.	95 00
La Tabatière.....	P.Q.	11 10	Lenora Lake.....	Sask.	78 50
Latchford Bridge.....	Ont.	33 18	Lennox.....	N.S.	28 36
Lathom.....	Alberta.	245 00	Lennox Ferry.....	N.S.	136 21
Lattie's Brook.....	N.S.	128 00	Lennox Island.....	P.E.I.	42 80
Lattouille.....	P.Q.	28 00	Leo.....	Alberta.	381 15
Latulipe.....	P.Q.	111 09	Léopold.....	P.Q.	52 00
Landia.....	N.B.	19 00	Le Petit Bois Franc.....	P.Q.	24 51
Launching Place.....	P.E.I.	110 40	Lequille.....	N.S.	393 30
Laurent.....	P.Q.	62 00	Le Rapide.....	P.Q.	19 50
Laurel.....	P.Q.	62 30	Le Rocher.....	P.Q.	24 00
Laurence.....	Alberta.	22 00	Lerwick.....	N.B.	44 50
Laurin.....	Ont.	82 08	Les Boules.....	P.Q.	363 24
Lauvina.....	N.B.	17 70	Les Bucherons.....	P.Q.	15 00
Laval.....	P.Q.	82 50	Les Caps.....	P.Q.	56 60
Laval des Rapides.....	P.Q.	339 00	Les Chenaux.....	P.Q.	30 00
Lavaltrie Station.....	P.Q.	32 90	Lesdale.....	Man.	33 00
Lavant.....	Ont.	37 50	Les Dalles.....	P.Q.	202 40
Lavender.....	Ont.	50 70	Les Etroits (opened 1-5-17).....	P.Q.	165 45
Laverlochère.....	P.Q.	251 39	Les Fonds.....	P.Q.	57 00
La Vernière.....	P.Q.	27 00	Les Hauteurs.....	P.Q.	131 11
Lavery.....	P.Q.	27 00	Leskard.....	Ont.	60 00
Lavigne.....	Ont.	62 00	Les Laes (summer office).....	P.Q.	95 48
Lavington.....	B.C.	203 80	Leslie.....	P.Q.	84 00
Lavesta.....	Alberta.	77 00	Les Saules.....	P.Q.	18 38
Lavinia.....	Man.	291 50	Les Vieilles Forges.....	P.Q.	50 45
Lavoie.....	P.Q.	39 55	L'Etang.....	N.B.	322 70
Lawndale.....	Alberta.	146 25	L'Etete.....	N.B.	20 00
Lawn Hill.....	B.C.	32 00	Letterkenney.....	Ont.	61 50
Lawrence Station.....	N.B.	402 85	Lettonia.....	Man.	12 80
Lawrence Station.....	Ont.	364 64	Levesque.....	N.B.	26 00
Lawreestown.....	N.S.	110 10	Lewis Lot 60.....	P.E.I.	12 00
Lawrie.....	Sask.	68 50	Lewis Bay West.....	N.S.	26 60
Lawson.....	Ont.	157 20	Lewis Cove Road.....	N.S.	32 00
Lawsonburg.....	Alberta.	95 71	Lewisham.....	Ont.	58 50
Lawton.....	Alberta.	54 10	Lewis Mountain.....	N.B.	12 00
Leafland.....	Alberta.	29 30	Lewis Mountain.....	N.S.	9 00
Leakville.....	Sask.	23 75	Lewis Settlement.....	N.B.	362 60
Leaholme.....	Alberta.	3 00	Lewiston.....	N.S.	792 15
Leaman.....	Alberta.	144 15	Lewisville.....	N.B.	9 25
Leamington.....	N.S.	69 99	Leweswyn.....	Sask.	14 00
Leary.....	Man.	68 50	Lexington.....	N.S.	145 85
Leaside.....	Ont.	358 30	Libau.....	Man.	151 05
Leasowe.....	Alberta.	14 50	Lidgett.....	Sask.	113 51
Leaskdale.....	Ont.	183 67	Lidstone.....	Man.	36 50
Leavitt.....	Alberta.	119 10	Lightwoods.....	Sask.	30 00
Lebanon.....	Ont.	128 33	Lilae (opened 15-3-18).....	Sask.	37 00
Leblanc.....	N.B.	54 00	Lillestrom.....	Sask.	45 45
Le Blancville.....	N.B.	6 00	Lillesve.....	Man.	90 75
Le Bouthillier.....	N.B.	161 97	Lillyfield.....	Man.	52 35
Le Bras.....	P.Q.	77 40	Lily.....	N.S.	59 00
Le Cordon.....	P.Q.	50 30	Lily Bay.....	Man.	23 50
LeChourie.....	P.Q.	85 93	Lilydale.....	Sask.	74 70
Leclair.....	P.Q.	35 00	Lily Plain.....	Sask.	15 50
Lecoq.....	Sask.	41 20	Lime Hill.....	N.S.	27 18
Ledwyn.....	Man.	34 00	Limekilm.....	N.B.	63 99
Leeburn.....	Ont.	210 91	Limestone Lake (opened 1a-5-17).....	Alberta.	43 50
Leech.....	N.B.	55 00	L'Immaculée Conception.....	P.Q.	17 00
Leeshore.....	Alberta.	23 52	Linaria (opened 15-1-18).....	Alberta.	12 75
Lee Valley.....	Ont.	123 00	Linda.....	P.Q.	55 00
Leeville.....	Ont.	113 59	Lindale.....	Alberta.	12 00
Lefaive's Corners.....	Ont.	14 00	Lindel.....	B.C.	214 50
Leger Brook.....	N.B.	43 35	Lindsay.....	N.B.	170 59
Légère.....	N.B.	78 60	Lineham.....	Alberta.	39 74
Legere Corner.....	N.B.	119 90	Linfield.....	Alberta.	186 25
Légerville.....	N.B.	94 50	Lingan.....	N.S.	270 72
Leggatt's Point.....	P.Q.	304 90	Lintlaw.....	Sask.	1 2 95
Lehman.....	Sask.	1 00	Linton Junction, late LaTuque Junction (1-1-18).....	P.Q.	106 00
Leifur.....	Man.	126 40	Linton's.....	N.B.	25 00
Leighside.....	N.B.	53 00	Lintrathen.....	Man.	30 75
Leighton.....	Alberta.	128 15	Linville.....	N.B.	210 41
Leiman.....	Sask.	200 75	Linwood.....	N.S.	54 20
Leitche's Creek.....	N.S.	65 00	Lippentott (closed 9-6-1917).....	Sask.	84 43
Leitche's Creek Station.....	N.S.	143 10	Lisburn.....	Alberta.	84 43
Leitchville.....	Sask.	106 70	Liscombe Mills.....	N.S.	482 70
Leith.....	Ont.	196 94	Lisgar Station.....	P.Q.	
Leitrim (closed 18-4-17).....	Ont.				
Leland.....	Ont.	29 50			

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
L'Islet Station.....	P.Q.	634 34	London Sub-office No. 7.....	Ont.	a
Lismore.....	N.S.	70 50	London, Tambling's Corners.....	Ont.	a
Lisson.....	N.B.	26 40	Londonberry.....	N.B.	16 00
Listerville.....	N.B.	29 00	Londonderry Station.....	N.S.	364 36
Litchfield.....	N.S.	85 60	Lonely Lake.....	Man.	25 45
Little Aldouane.....	N.B.	131 30	Lone Rock.....	Sask.	14 00
Little Bartibog.....	N.S.	24 00	Lonesome Butté.....	Sask.	24 00
Little Bass River.....	N.S.	193 25	Long Spruce.....	Sask.	24 00
Little Beach.....	N.B.	12 30	Long Bay.....	Ont.	83 95
Little Branch.....	N.B.	131 50	Long Coulee.....	Albarta.	68 30
Little Bras d'Or (S. side).....	N.S.	24 00	Long Creek.....	N.B.	112 50
Little Bras d'Or Bridge.....	N.S.	465 00	Longfield.....	Sask.	81 50
Little Brook.....	N.S.	386 15	Long Hill.....	N.S.	10 00
Little Brook Station.....	N.S.	125 00	Long Island Main.....	N.S.	10 00
Little Cape.....	N.B.	87 00	Long Lake.....	Ont.	132 56
Little Dover.....	N.S.	65 25	Long Point.....	N.S.	209 75
Little Gaspé.....	P.Q.	96 00	Long Point.....	N.B.	89 74
Little Harbour.....	N.S.	78 94	Long Point of Mingan.....	P.Q.	74 70
Little Judique.....	N.S.	43 10	Long Reach.....	N.B.	186 15
Little Judique Ponds.....	N.S.	62 00	Long River.....	P.E.I.	263 50
Little Lake.....	N.B.	61 93	Longs.....	N.S.	4 00
Little Lepreaux.....	N.B.	70 50	Long's Cove.....	N.B.	35 20
Little Liscombe.....	N.S.	10 00	Longview.....	Albarta.	204 70
Little Lorraine.....	N.S.	62 35	Longworth.....	B.C.	42 70
Little Mabou.....	N.S.	6 00	Lonira.....	Albarta.	145 80
Little Narrows.....	N.S.	168 34	Lonsdale.....	N.B.	23 75
Little Pabos.....	P.Q.	225 95	Loon (summer office).....	Ont.	
Little Plume.....	Albarta.	59 00	Loos.....	B.C.	65 60
Little Port L'Hébert.....	N.S.	31 50	Loree.....	Ont.	71 60
Little Rapids.....	Ont.	245 70	Lorenzo.....	Sask.	34 50
Little Ridge.....	N.B.	38 50	Lorimier Lake.....	Ont.	27 50
Little Ridgeton.....	N.B.	30 00	Lorne.....	N.B.	40 00
Little River Chétiacamp.....	N.S.	32 00	Lorne.....	Ont.	49 00
Little River East.....	P.Q.	324 00	Lorne Creek.....	B.C.	113 00
Little River West.....	P.Q.	194 50	Lorne House (summer office).....	P.Q.	332 00
Little River.....	N.B.	266 00	Lorne Park.....	Ont.	439 00
Little River Harbour.....	N.S.	34 00	Lorne Mine.....	B.C.	122 50
Little Rocher.....	N.B.	69 40	Lornevale.....	N.S.	30 00
Little Salmon River.....	N.B.	5 00	Lorneville.....	N.S.	117 45
Little Shippigan.....	N.B.	93 50	Lorneville.....	N.B.	168 25
Little Tancook.....	N.S.	68 00	Lorraine.....	Albarta.	84 50
Little Volga.....	Albarta.	85 20	Lost River.....	P.Q.	163 53
Little Woody.....	Sask.	140 70	Lost River.....	Sask.	77 50
Little York.....	P.E.I.	246 25	Louisa.....	P.Q.	37 00
Livelong (opened 1-7-17).....	Sask.	70 45	Louise Doeks.....	P.Q.	
Livingstone.....	Albarta.	158 00	Louisburg-Road.....	N.S.	12 00
Livingstone Cove.....	N.S.	19 50	Louis Creek.....	B.C.	145 00
Livingstone Creek.....	Ont.	47 00	Louise.....	Ont.	105 00
Lizard Lake.....	Sask.	70 59	Louis Head.....	N.S.	149 00
Lloyd's.....	N.S.	33 70	Louisville.....	N.S.	61 20
Lloyd's Hill.....	Albarta.	107 45	Loulay.....	P.Q.	15 50
Lobley.....	Albarta.	137 45	Lourdes.....	N.S.	231 00
Lobo.....	Ont.	170 00	Lourdes du Blanc Sablon.....	P.Q.	46 20
Lobster Beach.....	N.B.	16 00	Loutre Dam (closed 1-12-17).....	P.Q.	860 00
Lochaber Bay.....	P.Q.	199 65	Louvain.....	Sask.	46 00
Lochaber Mines.....	N.S.	50 00	Lovat Station.....	Sask.	282 00
Loch Ban.....	N.S.	14 20	Lovering.....	Ont.	247 40
Lochbuie.....	B.C.	49 50	Low Bush.....	Ont.	216 50
Lochend.....	Albarta.	28 80	Lowell.....	N.B.	15 00
Loch Katrina.....	N.S.	109 25	Lower Abouzoggin.....	N.B.	49 70
Lochinvar.....	Albarta.	71 20	Lower Branch.....	N.S.	56 00
Loch Lomond.....	N.S.	35 32	Lower Brighton.....	N.B.	97 20
Loch Lomond West.....	N.S.	20 25	Lower Burlington.....	N.S.	92 00
Loch Monar.....	Man.	15 00	Lower Burnside.....	N.S.	43 00
Lochside.....	N.S.	28 00	Lower Caledonia.....	N.S.	94 10
Loch Slow.....	Albarta.	8 69	Lower Cape.....	N.B.	54 55
Locheport.....	B.C.	239 54	Lower Cape Bald.....	N.B.	11 00
Locheville.....	Sask.	43 25	Lower Caraqueet.....	N.S.	272 95
Lochhart.....	Albarta.	115 25	Lower Clarke Harbour (closed 1-3-18).....	N.S.	89 94
Lochhartville.....	N.S.	241 00	Lower Cove.....	N.S.	51 00
Lochport.....	Man.	343 6	Lower Coverdale.....	N.B.	89 00
Lockstead.....	N.B.	24 00	Lower Derby.....	N.B.	166 59
Lochore.....	Ont.	26 00	Lower Dominion.....	Nukon.	5 00
Loganville.....	N.S.	86 71	Lower East Chezzetcook.....	N.S.	64 75
Lozberg.....	Sask.	63 50	Lower East Wallace (closed 1-11-17).....	N.S.	15 00
Lozberg.....	Man.	30 00	Lower Economy.....	N.S.	160 52
Log Valley (closed 11-5-17).....	Sask.	76 29	Lower Eel Brook.....	N.S.	18 00
Loiselleville.....	Ont.	319 50	Lower Esemineac.....	N.B.	52 55
London Cadet Camp.....	Ont.		Lower Five Islands.....	N.S.	245 28
London Field Camp.....	Ont.		Lower Flodden.....	P.Q.	21 00
London Sub-office No. 5.....	Ont.	a	Lower Gagetown.....	N.B.	126 20
London Sub-office No. 6.....	Ont.	a	Lower Greenville.....	N.S.	36 00

a For Revenue see under London Sub-offices.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Lower Gueguen.....	N.B.	79 00	McCrae (closed 11-7-17, reopened 1-10-17).....	Ont.	40 00
Lower Gulf Shore.....	N.S.	60 50	McCracken's Landing.....	Ont.	90 00
Lower Hillsdale (closed 10-8-17).....	N.S.	10 00	McDonald Glen.....	N.S.	10 00
Lower Ireland.....	P.Q.	143 00	McDonald Hills.....	Sask.	84 00
Lower Jordan Bay.....	N.S.	90 25	McDona.dville.....	Alberta.	64 20
Lower Kingston.....	N.B.	94 50	McDougall.....	Ont.	102 84
Lower La Have.....	N.S.	115 11	McDougall Mills (opened 1-6-17).....	Ont.	249 15
Lower Meagher's Grant.....	N.S.	79 50	McEachern.....	Sask.	28 00
Lower Melbourne.....	N.S.	35 40	McEwan.....	Alberta.	25 55
Lower Middle River.....	N.S.	10 00	McFarlane Lake.....	Ont.	36 28
Lower Millstream.....	N.B.	335 35	McGivney Junction.....	N.B.	180 00
Lower Montague.....	P.E.I.	387 46	McGrath Cove.....	N.S.	59 70
Lower Mount Thom.....	N.S.	37 20	McGrath Mountain.....	N.S.	9 00
Lower Nappan.....	N.B.	134 66	McGregor Bay (summer office).....	Ont.	30 00
Lower Neguac.....	N.B.	380 19	McInnis Creek.....	Ont.	16 00
Lower Newcastle.....	N.B.	79 75	McIntosh.....	Ont.	122 08
Lower Northfield.....	N.S.	38 00	McIntosh Springs.....	Ont.	79 00
Lower Ohio.....	N.S.	73 01	McIntyre's Lake.....	N.S.	51 75
Lower Onslow.....	N.S.	162 60	McIntyre's Mountain.....	N.S.	23 00
Lower Prospect.....	N.S.	11 00	McKee's Mills.....	N.B.	123 10
Lower River Inhabitants.....	N.S.	105 02	McKendrick.....	N.B.	41 80
Lower Rose Bay.....	N.S.	98 15	McKenzie East Bay.....	N.S.	16 00
Lower St. Esprit.....	N.S.	38 90	McKenzie Lake.....	Ont.	25 00
Lower Sackville.....	N.S.	45 00	McKinleyville.....	N.B.	72 82
Lower Sandy Point.....	N.B.	90 90	McKinnon's Brook.....	N.S.	5 00
Lower Sapin.....	N.B.	44 00	McKinnon's Harbour.....	N.S.	63 00
Lower Saulnierville.....	N.S.	179 30	McKinnon Hill.....	N.B.	23 33
Lower Selmah.....	N.S.	124 05	McLaggan.....	N.B.	2 00
Lower Slag Harbour.....	N.S.	64 07	McLaren (closed 31-1-18).....	Sask.	21 00
Lower Shinimecas.....	N.S.	56 00	McLaughlin.....	Alberta.	68 00
Lower Ship Harbour.....	N.S.	169 98	McLaughlin Road.....	N.B.	76 00
Lower Ship Harbour, East.....	N.S.	163 70	McLean.....	Ont.	45 41
Lower South River.....	N.S.	81 50	McLean.....	N.B.	62 50
Lower Springfield.....	N.S.	16 00	McLeavelle.....	N.S.	37 50
Lower Washabuck.....	N.S.	30 00	McLellan's Mountains.....	N.S.	19 00
Lower Wedgeport.....	N.S.	172 00	McLeod Point.....	N.S.	25 00
Lower Wentworth.....	N.S.	41 90	McLeod Siding.....	N.B.	54 00
Lower West Jeddore.....	N.S.	112 50	McMillan.....	N.B.	12 35
Lower West Pubnico.....	N.S.	148 00	McMurdo.....	B.C.	90 30
Lower West River.....	N.S.	6 00	McMurphy (closed 1-3-18).....	B.C.	19 30
Lower Whitehaven.....	N.S.	212 50	McMurrich.....	Ont.	77 92
Low Moor.....	N.S.	11 00	McNab's Cove.....	N.S.	46 90
Low Point.....	N.S.	107 00	McNairn.....	N.B.	44 10
Low Station.....	P.Q.	188 10	McNally.....	Alberta.	119 00
Lozells.....	B.C.	45 50	McNane.....	N.S.	206 96
Lozier Settlement.....	N.B.	110 00	McNeill's Mills.....	P.E.I.	160 03
Lucasville.....	N.S.	22 00	McNeill's Vale.....	N.S.	20 00
Lucerne.....	P.Q.	61 20	McNeily's.....	N.S.	75 50
Lucky Lake.....	Sask.	343 95	McNutt's Island.....	N.S.	40 34
Ludlow.....	N.B.	300 10	McPhee Corner.....	N.S.	87 00
Luelle.....	Sask.	151 50	McPherson.....	N.S.	43 00
Lulu Island.....	B.C.	50 20	McPherson's Ferry (closed 30-11-17).....	N.S.	44 50
Lumsden's Mills.....	P.Q.	552 01	McPherson's Mills.....	N.S.	51 50
Lunsden Beach (summer office).....	Sask.	32 00	McQuade.....	N.B.	13 90
Lundemo.....	Alberta.	27 70	McTavish.....	Man.	186 30
Lundy.....	N.S.	25 00	McVicar.....	Ont.	49 70
Lunnford.....	Alberta.	90 23	Macbella.....	Ont.	54 15
Lusignan.....	Alberta.	27 00	Mabel Lake.....	B.C.	39 50
Lutes Mountain.....	N.B.	121 31	Mabou Harbour.....	N.S.	9 00
Luxton.....	B.C.	105 05	Mabou Harbour Mouth.....	N.S.	29 70
Luzon.....	Alberta.	15 00	Mabou Mines.....	N.S.	27 36
Lydiatt.....	Man.	119 52	Macalister.....	B.C.	81 11
Lydiard (closed 1-4-17, reopened 16-6-17).....	Sask.	26 53	MacDougall's.....	N.B.	188 00
Lynch River.....	N.S.	12 00	Macdaldale.....	N.S.	29 00
Lyndon.....	Alberta.	44 20	Mackey's Station.....	Ont.	159 40
Lyn (closed 1-11-17).....	N.S.	28 50	MacKinnon.....	B.C.	19 00
Lynnville.....	Ont.	163 94	MacKiville.....	N.B.	6 00
Lynthorpe.....	Sask.	51 00	MacKworth (opened 1-1-18).....	Sask.	20 00
Lyttleton.....	N.B.	50 00	Macpes.....	P.Q.	90 00
Lythmore.....	Ont.	103 40	Macross.....	Nan.	81 00
Lytton.....	P.Q.	176 05	Macville.....	Ont.	112 30
McAdam's Lake.....	N.S.	10 00	Macvaine.....	Man.	24 00
McArras Brook.....	N.S.	32 00	Mader's Cove.....	N.S.	107 85
McArthurs Mills.....	Ont.	181 74	Madford.....	Man.	20 00
McAulay's.....	N.S.	52 50	Madran.....	N.B.	38 00
McBean.....	P.Q.	43 00	Maeshowe.....	Sask.	145 00
McCallum's Settlement.....	N.S.	19 00	Magnet.....	Man.	232 50
McCannell Wharf.....	P.E.I.	9 50	Magnoia.....	Alberta.	150 51
McClure.....	N.S.	69 00	Magpie.....	P.Q.	93 84
McCluskey.....	N.B.	13 20	Magundy.....	N.B.	164 25
McCord (opened 1-6-17).....	Sask.	133 20	Magyar.....	Sask.	28 50
McCormack.....	N.S.	39 82	Magaska.....	Alberta.	85 00
McCreadyville.....	N.S.	20 00	Mailhot.....	P.Q.	65 37

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Maillard.....	P.Q.	60 50	Marco.....	Man.	55 00
Mailoux.....	P.Q.	46 83	Margaree Ford.....	N.S.	7 00
Main Centre.....	Sask.	308 75	Margaree Island.....	N.S.	4 00
Main River.....	N.B.	159 05	Margaret.....	Man.	643 75
Main Stream.....	N.B.	25 00	Margate.....	P.E.I.	135 05
Mair.....	Sask.	399 05	Maria Capes.....	P.Q.	143 17
Maitland Forks.....	N.S.	27 25	Maria de Kent.....	N.B.	36 00
Majorville.....	Alberta.	161 78	Maria East.....	P.Q.	214 05
Makaroff.....	Man.	454 75	Mariahili (closed 7-12-17).....	Sask.	10 00
Makepeace (opened 1-7-17).....	Alberta.	89 25	Marie Joseph.....	N.S.	349 41
Makinson.....	B.C.	115 95	Marienthal.....	Sask.	30 50
Malachi.....	Ont.	116 16	Marier.....	P.Q.	309 25
Malaga Gold Mines.....	N.S.	195 33	Marieton.....	Sask.	63 50
Malagash (closed 1-11-17).....	N.S.	5 00	Marieval.....	Sask.	89 20
Malagash Centre (closed 1-17-17).....	N.S.	28 00	Marigold.....	B.C.	287 50
Malagash Point (closed 1-17-17).....	N.S.	53 75	Marine Heights.....	B.C.	198 73
Malagawatch.....	N.S.	36 00	Marion (closed 1-10-17).....	P.Q.	5 00
Malakoff.....	N.B.	12 25	Marion Bridge Road.....	N.S.	8 00
Malby.....	Sask.	45 75	Marionville.....	Ont.	185 95
Mal-Bay.....	P.Q.	165 00	Marius.....	Man.	40 20
Malden.....	N.B.	57 70	Mark Crossing.....	P.Q.	112 00
Malherbe (closed 4-2-18).....	P.Q.	37 50	Markhamville.....	N.B.	45 95
Malignant Cove.....	N.S.	133 15	Markland.....	Man.	33 40
Malisect.....	N.B.	36 40	Marklee (closed 1-5-17).....	Sask.	
Maloy.....	Alberta.	26 25	Marlin.....	Sask.	36 00
Malmanson.....	P.Q.	82 00	Marlow.....	P.Q.	63 75
Malmo.....	Alberta.	15 00	Marney.....	Man.	38 00
Maloneck.....	Sask.	17 50	Marricott's Cove.....	N.S.	168 55
Malonton.....	Man.	204 47	Marricott.....	Sask.	73 10
Malone.....	Ont.	272 08	Marron Lake.....	B.C.	24 54
Malta.....	Ont.	37 00	Marttown.....	N.B.	30 00
Maltais.....	N.B.	13 00	Marsboro.....	P.Q.	96 00
Maltempoëque.....	N.B.	28 25	Marsden.....	Sask.	266 02
Malvern.....	Ont.	261 51	Marsh.....	N.S.	11 00
Malvina.....	P.Q.	78 55	Marshall's Town.....	N.S.	123 25
Mamette Lake.....	B.C.	50 20	Marshes (West Bay).....	N.S.	36 00
Manassett Lake.....	N.S.	45 00	Marshville.....	N.S.	43 95
Mance.....	Alberta.	60 52	Marshy Hope.....	N.S.	88 15
Manche d'Epée.....	P.Q.	60 25	Marsouins.....	P.Q.	109 55
Mancroft.....	Sask.	20 20	Martel.....	P.Q.	92 30
Manda (closed 14-7-17).....	Man.		Martel Corners.....	Ont.	75 00
Mandeville.....	Ont.	25 00	Marter.....	Ont.	51 53
Manes.....	Ont.	40 45	Martigny.....	P.Q.	30 00
Manfred.....	Alberta.	65 45	Martin Brook.....	N.S.	52 50
Manganese Mines.....	N.S.	34 00	Martindale.....	P.Q.	78 75
Manigotagan.....	Man.	24 00	Martineau.....	P.Q.	30 20
Mankota.....	Sask.	181 14	Martin's.....	N.B.	53 40
Manly.....	Alberta.	20 50	Martins.....	Alberta.	18 00
Mann.....	P.Q.	28 00	Martins Head.....	N.B.	22 00
Manna.....	Sask.	302 42	Martin's Lake.....	P.Q.	61 20
Manners Sutton.....	N.B.	363 50	Martin Siding.....	Ont.	145 26
Mannheim.....	Ont.	23 00	Martin's Point.....	N.S.	239 60
Manns Mountain.....	N.B.	20 03	Martin's River.....	N.S.	204 71
Manoir Richelieu (summer office).....	P.Q.	461 00	Martock.....	N.S.	84 05
Manola.....	Alberta.	45 20	Marvelville.....	Ont.	137 00
Manotick Station.....	Ont.	451 46	Marvin.....	N.B.	10 00
Manresa.....	Sask.	61 00	Marwayne.....	Alberta.	50 02
Manson Creek (summer office).....	B.C.	10 00	Marx.....	Sask.	8 00
Mantario.....	Sask.	205 52	Marydale.....	N.S.	15 00
Manuels.....	N.B.	56 00	Mary Hill.....	Man.	73 62
Manvers Station.....	Ont.	110 75	Mary Lake.....	Alberta.	39 75
Mapes.....	B.C.	95 20	Maryvale.....	N.B.	15 50
Maple Brook.....	N.S.	15 70	Masearene.....	Alberta.	33 77
Mapleburg.....	N.B.	56 43	Masinasin.....	Alberta.	147 88
Maple Grove.....	P.Q.	181 38	Maskawata.....	Man.	19 00
Maple Glen.....	N.B.	88 10	Maskinonge.....	P.Q.	103 00
Maple Green.....	N.B.	19 50	Mason Point.....	N.S.	8 00
Maple Grove.....	N.S.	64 00	Masonville.....	Sask.	6 00
Maple Hill.....	Ont.	22 00	Massonville (opened 1-10-17).....	P.Q.	33 00
Maple Island.....	Ont.	91 70	Mass Town.....	N.S.	188 60
Maple Lake.....	Ont.	246 70	Matapedia West.....	P.Q.	38 06
Maple Lake Station.....	Ont.	270 00	Matawatchan.....	Ont.	247 00
Maple Leaf (opened 1-5-17).....	Ont.	137 12	Matheson.....	N.S.	30 20
Maple Ridge.....	N.S.	6 00	Mathews Crossing.....	Alberta.	14 50
Maple View.....	N.B.	51 05	Mathieu.....	P.Q.	29 00
Mar.....	Ont.	148 25	Mattatall Lake.....	N.S.	30 75
Marble Bluff.....	Ont.	9 45	Mattice.....	Ont.	102 70
Marble Ridge.....	Man.	79 06	Mattie.....	N.S.	39 50
Marcelville.....	N.B.	49 00	Maughan.....	Alberta.	40 25
Marchand.....	Man.	161 77	Mauders.....	Alberta.	32 00
Marchantgrove.....	Sask.	37 10	Mavilette.....	N.S.	278 50
Marchbank.....	N.B.	35 00	Maxston.....	Sask.	46 00
Marchildon.....	P.Q.	50 55	Mawcook.....	P.Q.	30 00
Marcil.....	P.Q.	96 51	Maxwell.....	N.B.	79 70

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue		Name of Post Office.	Province.	Revenue.	
		\$	cts.			\$	cts.
Maxwelton	Sask.	19	65	Meeteo	Sask.	65	50
Maxwelton Station	N.S.	15	00	Metlakatla	B.C.	41	31
Mayberry	Sask.	105	75	Meyersburg	Ont.	90	20
Maybridge	Alberta.	19	57	Mézières	Man.	20	50
Maybutt	Alberta.	387	50	Michaud	N.B.	46	51
Mayercroft	Alberta.	135	20	Michaudville	P.Q.	87	00
Mayerthorpe	Alberta.	116	90	Michener (closed 1-11-17)	Alberta.	14	00
Mayfield Station	Man.	334	25	Michipicoten River	Ont.	170	08
Mayfield	N.S.	47	00	Micksburg	Ont.	253	03
Mayflower	N.S.	62	00	Mienna Gold Mines	N.S.	8	25
Maynooth Station	Ont.	569	84	Middle Barney's River	N.S.	32	80
Mayo	P.Q.	120	42	Middleboro	N.S.	64	45
Maypole	Sask.	35	15	Middle Cape	N.S.	34	00
Mayo Landing	Yukon.	214	00	Middle Caquet	N.B.	169	39
Mayview	Sask.	11	80	Middle Church	Man.	351	70
Mazama	B.C.	44	75	Middle Clyde River	N.S.	32	00
Mazepa	Alberta.	350	60	Middle Country Harbour	N.S.	64	35
Meacham	Sask.	861	78	Middle Coverdale	N.B.	24	00
Meach Lake	P.Q.	77	00	Middle East Pubnico	N.S.	182	25
Meadow	N.S.	14	00	Middlefield	N.S.	85	55
Meadow	N.B.	37	00	Middle Greenfield	N.B.	29	00
Meadow Bank	Sask.	46	45	Middle Kouchibougnac	N.B.	43	35
Meadowbrook	Alberta.	48	50	Middle Lake	Sask.	26	25
Meadow Creek	Alberta.	101	60	Middle La Have Ferry	N.S.	174	85
Meadow Lake	Sask.	204	70	Middle Manchester	N.S.	86	90
Meadows	Man.	165	50	Middlemarch	Ont.	76	95
Meadow Springs	N.S.	20	01	Middlemiss	Ont.	293	20
Meadows Road	N.S.	30	06	Middle Ohio	N.S.	57	00
Meadowvale	Man.	55	70	Middleport	Ont.	353	00
Meadowvale	N.S.	13	00	Middle Porter's Lake	N.S.	29	00
Meadowville Station	N.S.	375	57	Middle River	N.S.	134	63
Meadowview	Alberta.	61	00	Middle River Centre	N.S.	21	00
Meagher's Grant	N.S.	349	97	Middle Ste. Louise	N.B.	58	00
Meat Cove	N.S.	25	00	Middle Sackville	N.S.	13	20
Meanoak	Alberta.	261	06	Middlesboro	B.C.	346	00
Meath Park	Sask.	12	03	Middleton	N.S.	17	00
Meaux	P.Q.	25	50	Middlewood	N.S.	111	55
Mechanic's Settlement	N.B.	85	00	Miford	N.S.	64	75
Mechanicsville	Ont.	45	50	Midgell	P.E.I.	160	00
Medford	N.B.	68	42	Midge Station	N.B.	333	80
Medstead	Sask.	183	50	Midlandvale (opened 1-12-17)	Alberta.	103	65
Meeting Lake	Sask.	70	00	Mid Lothian	Ont.	56	95
Meiklefield	N.S.	30	00	Mid Lothian Wharf (summer office)	Ont.	115	10
Meiseners	N.S.	42	90	Midnight Lake	Sask.	132	30
Mekiwin	Man.	52	55	Midway Branch	N.S.	81	55
Melanson	N.S.	166	66	Midway	N.B.	48	15
Melbourne	Man.	37	17	Miguasha	P.Q.	57	30
Melrum Bay	Ont.	225	51	Miguasha West	P.Q.	15	05
Melo	Man.	463	00	Milford	N.S.	97	17
Melford	N.S.	96	59	Milford	N.B.	301	80
Melissa	Ont.	31	50	Milford Bay	Ont.	512	25
Mellon	Alberta.	21	00	Milford Haven	Ont.	101	50
Mellowdale	Alberta.	129	75	Milford Haven Bridge	N.S.	21	00
Melocheville	P.Q.	140	00	Militia Point	N.S.	50	70
Melrose	N.S.	91	20	Milkish	N.B.	10	10
Melrose Hill	N.S.	60	00	Millanville (closed 18-6-17)	P.Q.	111	00
Melton	Man.	20	00	Millar	Ont.	95	01
Melville	Ont.	100	00	Millar Hill	Ont.	91	37
Memel	N.B.	20	25	Millbank	N.S.	45	00
Memramcook East (closed 1-11-17)	N.B.	46	00	Mill Brook	N.S.	49	49
Memramcook West	N.B.	389	17	Millbrook	Man.	49	49
Menard	P.Q.	107	40	Millburn (closed 1-5-17)	N.S.	177	50
Mensisno	Man.	111	10	Mill Cove	N.S.	101	21
Mennon	Sask.	273	48	Mill Cove	N.B.	40	00
Menteith	Man.	102	50	Mill Creek	N.S.	64	00
Menzie	Man.	167	10	Mill Creek	Man.	a	
Mercer (closed 15-2-18)	N.B.	12	00	Milledgeville	N.B.	34	43
Mercier	P.Q.	64	46	Millerand	Ont.	75	51
Merc	Alberta.	32	72	Millerfield	Alberta.	46	50
Merivaie	Ont.	57	34	Miller Lake	Ont.	5	00
Merland	N.S.	17	00	Millers Bay	Ont.	45	70
Merl Bluff	Alberta.	10	00	Mililton	Sask.	274	84
Mermaid Farm	P.E.I.	36	00	Mille Vaches	P.Q.	71	00
Merna	Alberta.	53	70	Millfield	P.Q.	717	07
Merridale	Man.	91	50	Millicent	Alberta.	175	17
Merryflat	Sask.	69	90	Million	Man.	40	00
Merryland (closed 15-9-17)	Alberta.	4	58	Mill Road	N.S.	86	60
Meiton	Ont.	113	02	Millstream	P.Q.	167	85
Meskanaw	Sask.	112	80	Millstream	N.B.	400	78
Methven	Man.	314	05	Millstream	B.C.	150	09
Meteghan Centre	N.S.	186	52	Millsville	N.S.	27	40
Meteghan Station	N.S.	251	75	Mill Valley	Ont.		

aFor Revenue see under St. John, N.B., Sub-Offices.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Millville.....	N.S.	274 76	Montalembert.....	P.Q.	60 02
Millville-Boularderie.....	N.S.	118 00	Montcalm.....	P.Q.	106 00
Milly.....	Sask.	267 54	Montcalm Mills.....	P.Q.	86 00
Milnerton.....	Alberta.	50 00	Monteagle.....	N.B.	24 00
Milnet.....	Ont.	790 25	Monteagle Valley.....	Ont.	207 50
Milnikak.....	P.Q.	163 01	Monte Creek.....	B.C.	489 55
Milo.....	Alberta.	119 00	Montigny.....	P.Q.	57 00
Milton Heights.....	Ont.	174 10	Mont Louis.....	P.Q.	359 00
Milton Station.....	P.E.I.	232 50	Montmorency, East.....	P.Q.	110 60
Miminingash.....	P.E.I.	114 00	Mont Nebo.....	Sask.	49 70
Minahico.....	Ont.	54 70	Montreal, Ahuntsic.....	P.Q.	b
Minasville.....	N.S.	133 99	Montreal, St. Denis Street.....	P.Q.	b
Mincola.....	B.C.	155 35	Montreal, Beaudoin Street.....	P.Q.	b
Minda (closed 1-5-17).....	Alberta.	10 00	Montreal, Bordeaux.....	P.Q.	b
Mine Centre.....	Ont.	314 25	Montreal, Cote St. Michel.....	P.Q.	b
Mine de Mica.....	P.Q.	59 42	Montreal, Parc Lafontaine (reopened 23-8-17).....	P.Q.	b
Mineral.....	N.B.	40 75	Montreal, Park Avenue Ext.....	P.Q.	b
Mineral Rock.....	N.S.	11 00	Montreal, Sub-Office No. 17 (reopened 26-9-17).....	P.Q.	b
Miners Bay.....	Ont.	83 27	Montreal, Sub-Office No. 18 (reopened 12-3-17).....	P.Q.	b
Mineville.....	N.S.	30 00	Montreal, Sub-Office No. 26.....	P.Q.	b
Mingan.....	P.Q.	45 15	Montreal, Sub-Office No. 29.....	P.Q.	b
Ministik Lake.....	Alberta.	20 3	Montreal, Sub-Office No. 33.....	P.Q.	b
Minnehaha.....	Sask.	115 50	Montreal, Sub-Office No. 49.....	P.Q.	b
Minnie Lake.....	Sask.	114 80	Montreal, Sub-Office No. 61 (closed 10-10-17).....	P.Q.	b
Mink Cove.....	N.S.	97 35	Montreal, Sub-Office No. 68.....	P.Q.	b
Mink Creek.....	Man.	64 09	Montreal, Sub-Office No. 94.....	P.Q.	b
Minechik.....	Alberta.	32 02	Montreal, Sub-Office No. 99, Councillor Street.....	P.Q.	b
Minnewakan.....	Man.	54 09	Montreal, Sub-Office No. 101.....	P.Q.	b
Minnicoganashene.....	Ont.	188 09	Montreal, Sub-Office No. 105.....	P.Q.	b
Minitaki.....	Ont.	118 95	Montreal, Sub-Office No. 108 (opened 28-3-17).....	P.Q.	b
Minto Bridge.....	Yukon.	58 45	Montreal, East (closed 31-8-17).....	P.Q.	b
Minudie.....	N.S.	144 59	Montreal, South.....	P.Q.	b
Miocene.....	B.C.	45 00	Montreal Lake.....	Sask.	18 34
Mira Gut.....	N.S.	288 87	Montrose.....	N.S.	164 84
Mira Road.....	N.S.	5 00	Montroy (summer office).....	P.Q.	25 00
Miramichi.....	N.S.	22 09	Mont St. Hilaire.....	P.Q.	205 70
Miron.....	P.Q.	37 54	Mont St. Pierre.....	P.Q.	54 61
Mirror Lake.....	B.C.	182 15	Monvel.....	Alberta.	27 50
Mirror Landing.....	Alberta.	170 54	Noonbeam.....	Ont.	188 50
Miscou Centre.....	N.B.	156 85	Moon Falls.....	Ont.	47 05
Miscouche.....	P.E.I.	57 29	Moon Hills.....	Sask.	37 80
Miscou Harbour.....	N.B.	117 03	Moonstone.....	Ont.	297 25
Miscou Lighthouse.....	N.B.	45 40	Moor Lake Station.....	Ont.	164 87
Miscou Plains.....	N.B.	37 09	Moose Bay.....	Man.	50 20
Misere.....	P.Q.	54 50	Moose Brook.....	N.S.	65 75
Mispec.....	N.B.	54 65	Moosehead.....	N.S.	77 65
Mississippi Station.....	Ont.	195 70	Moose Hill.....	Ont.	36 25
Mission Saint Louis.....	P.Q.	43 00	Moosehorn.....	Man.	603 66
Missisagi.....	Ont.	45 25	Mooseland.....	N.S.	61 80
Missoula.....	P.Q.	46 30	Moose Lake.....	Man.	12 00
Mistatin (reopened 1-11-17).....	Sask.	39 16	Moose Mountain.....	N.B.	57 00
Mistawasis.....	N.S.	320 00	Moose Range.....	Sask.	133 95
Mitchell Bay.....	N.S.	12 00	Moose River, Pictou.....	N.S.	36 00
Mitchell's Bay.....	Ont.	82 59	Moose River, Cumberland.....	N.S.	34 70
Mitchell Settlement.....	N.B.	4 00	Moose River Gold Mines.....	N.S.	114 09
Mitchell Station.....	P.Q.	183 65	Moose Valley.....	Sask.	71 00
Mitchellview.....	Sask.	34 35	Mooswa.....	Alberta.	163 00
Mizonette.....	N.B.	135 05	Moran.....	N.B.	55 95
Mizzpah.....	Alberta.	113 55	Morar.....	N.S.	28 00
Moffatt.....	Sask.	121 65	Moreau.....	P.Q.	34 10
Model Farm.....	Sask.	50 20	Morhead.....	P.Q.	65 48
Moe's River.....	P.Q.	121 74	Moreland.....	Sask.	289 55
Mola.....	B.C.	15 00	Morganville.....	N.S.	50 50
Moirvale.....	Sask.	25 00	Morigeau.....	P.Q.	77 50
Moisie.....	P.Q.	115 59	Morin.....	Ont.	43 00
Molewood.....	Sask.	58 50	Morinus.....	P.Q.	186 00
Molson.....	Man.	500 09	Morriset Station.....	P.Q.	403 65
Monchy (opened 1-7-17).....	Sask.	66 93	Morley.....	Alberta.	411 50
Monck.....	Ont.	166 89	Morris.....	P.Q.	25 00
Moncrieff.....	Ont.	160 26	Morrisdale.....	N.B.	97 95
Moncton Road.....	N.B.	17 95	Morris Island.....	N.S.	29 00
Moncton, Sub-Office No. 2.....	N.B.	a	Morrison.....	N.S.	14 00
Moncton, Sub-Office No. 3.....	N.B.	a	Morrison Lake.....	Ont.	40 00
Monetville.....	Ont.	201 53	Morrison Station.....	P.Q.	45 00
Monk Road.....	Ont.	34 00	Morrissey.....	B.C.	851 61
Monk's Head.....	N.S.	23 20			
Monnery.....	Sask.	51 70			
Monominto.....	Man.	144 22			
Monsell.....	Ont.	19 00			
Montague Gold Mines.....	N.S.	33 09			
Montague Ronde.....	P.Q.	43 00			

aFor Revenue see under Moncton, N.B., Sub-Offices.

bFor Revenue see under Montreal Sub-Offices.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Morristown.....	N.S.	35 55	Murphy.....	N.S.	17 00
Morrisville.....	Ont.	64 33	Murphy Cove.....	N.S.	157 62
Morson.....	Ont.	111 21	Murray.....	N.S.	42 10
Mortimer's Point.....	Ont.	152 00	Murraydale.....	Sask.	74 25
Mortonmoor.....	Alberta.	38 98	Murray Park.....	Man.	26 50
Morton's Corners.....	N.S.	31 00	Murray Road.....	N.B.	56 40
Morvan.....	N.S.	21 00	Muskoka Falls.....	Ont.	118 75
Morwena.....	Man.	20 70	Murray Valley.....	Alberta.	27 00
Morwick.....	Sask.	28 20	Muselow.....	Ont.	54 24
Mosborough.....	Ont.	40 11	Mushaboom.....	N.S.	104 25
Mosher's Corner.....	N.S.	52 38	Musidora.....	Alberta.	60 15
Mosherville.....	N.S.	216 84	Musquash.....	N.B.	308 80
Moss Glen.....	N.B.	103 39	Mussel.....	Alberta.	38 40
Mossie.....	Alberta.	206 35	Musselyville.....	P.Q.	65 59
Mossleigh.....	Alberta.	193 90	Mutrie.....	Sask.	91 60
Mossman's Grant.....	N.S.	183 00	Mutton Bay.....	P.Q.	27 70
Mosten.....	Sask.	70 75	Myer's Cave.....	Ont.	41 00
Motherwell.....	Ont.	152 70	Myer's Point.....	N.S.	11 00
Mouliee's River.....	N.B.	201 86	Myleen.....	Alberta.	34 25
Moulin Beaupré (closed 2-11-17).....	P.Q.	46 50	Myncester.....	B.C.	41 35
Moulin Bersimis.....	P.Q.	63 82	Myrtle.....	Ont.	310 68
Moulin Tardif (closed 21-8-17).....	P.Q.	19 10	Myrtle Creek.....	Alberta.	268 90
Moulin Vallière.....	P.Q.	21 00	Myrtle Point.....	B.C.	401 40
Mound.....	Alberta.	189 55	Naas Harbour.....	B.C.	137 05
Mountain Brook.....	N.B.	93 70	Nadeau.....	N.B.	15 49
Mountain Dale.....	N.B.	36 00	Nadeauville.....	Sask.	236 50
Mountain House.....	Alberta.	141 35	Naden Harbour (closed 1-7-17).....	B.C.	
Mountain Road.....	Man.	142 75	Nadu River.....	B.C.	24 50
Mountainside.....	Man.	221 00	Naev Meehal.....	Ont.	11 00
Mountain View.....	Ont.	178 50	Nahma.....	Ont.	10 00
Mount Albion.....	Ont.	25 00	Nahun (closed 15-7-17).....	B.C.	5 00
Mount Auburn.....	N.S.	45 55	Nahwitti.....	B.C.	27 50
Mount Borden.....	N.S.	15 00	Nakamun.....	Alberta.	44 25
Mount Chesney.....	Ont.	58 50	Namu.....	B.C.	335 64
Mount Denison.....	N.S.	251 80	Nappan.....	N.S.	49 70
Mount Green.....	Sask.	65 00	Napudogan.....	N.B.	335 01
Mount Hanly.....	N.S.	164 60	Narol.....	Man.	91 00
Mount Irwin.....	Ont.	70 10	Nashlyn.....	Sask.	73 50
Mount Julien.....	Ont.	276 85	Nashton.....	B.C.	60 00
Mount Kinsella.....	P.Q.	38 20	Nashwaak Bridge.....	N.B.	381 61
Mount Loyal.....	P.Q.	49 70	Nashwaakis Valley (closed 1-11-17).....	N.B.	4 00
Mount Macdonald (reopened 2-7-17).....	Ont.	8 75	Natagan River (opened 1-8-17).....	P.Q.	232 06
Mount Murray.....	P.Q.	183 00	Natashquan.....	P.Q.	128 75
Mount Osear.....	P.Q.	77 25	Nateby.....	Alberta.	154 47
Mount Prospect.....	N.B.	15 50	Nathella.....	Alberta.	39 25
Mount Robson.....	P.Q.	27 21	Natika.....	Sask.	19 00
Mount Rose.....	N.S.	55 44	Naud.....	P.Q.	30 00
Mount Royal.....	Man.	16 50	Naughton.....	Ont.	125 19
Mount Ryan.....	P.E.I.	43 10	Naughton Glen.....	Alberta.	85 02
Mount St. Louis.....	Ont.	286 55	Nauwigewauk.....	N.B.	193 64
Mount St. Patrick.....	Ont.	222 21	Navarre.....	P.Q.	10 23
Mountsberg.....	Ont.	58 20	Nazko.....	B.C.	22 00
Mount Stephen.....	Ont.	66 25	Nealdale.....	Sask.	72 00
Mount Thom.....	N.S.	56 25	Nebo.....	Ont.	67 50
Mount Tolmie.....	B.C.	326 70	Nechaeco (closed 1-9-17).....	B.C.	12 20
Mount Vernon.....	Ont.	102 57	Neelum Teuch.....	N.S.	169 80
Mount Vernon.....	P.E.I.	34 00	Nedelac.....	P.Q.	81 10
Mount View.....	N.B.	38 00	Neerlandia.....	Alberta.	76 75
Mountville.....	N.B.	35 00	Neidpath.....	Sask.	176 25
Mount Young.....	N.S.	20 00	Neizette.....	P.Q.	21 25
Mouth of Jemseg.....	N.B.	181 15	Neilburg.....	Sask.	73 50
Mowat Station (closed 1-11-17).....	Ont.	184 47	Neil's Harbour.....	N.S.	237 86
Mowat Island (summer office).....	Ont.	15 00	Nellie Lake.....	Ont.	145 14
Moyerton.....	Alberta.	96 00	Neilsonville (closed 1-3-18).....	P.Q.	409 15
Muddy Creek (closed 21-11-17).....	P.E.I.	49 45	Nelson Reserve.....	N.B.	35 25
Muhlbach.....	Alberta.	40 00	Nemegos.....	Ont.	153 77
Muirhead.....	Alberta.	7 00	Neola.....	Sask.	31 00
Mulga.....	Alberta.	34 00	Neosho.....	Sask.	50 45
Mulhurst.....	Alberta.	67 70	Nerepis Station.....	N.B.	125 23
Mull.....	Ont.	389 20	Nerissa.....	N.S.	10 00
Mull Riven.....	N.S.	27 00	Nes.....	Man.	70 75
Mulligan Ferry.....	P.Q.	30 27	Nesbitt Corners.....	P.Q.	24 52
Mullingar.....	Sask.	246 43	Nesham.....	Sask.	15 00
Mullroney.....	Sask.	345 00	Nesto.....	Ont.	274 88
Mullock.....	Sask.	28 50	Nestow.....	Alberta.	65 00
Mundleville.....	N.B.	94 00	Netherton.....	Sask.	10 00
Muniac.....	N.B.	183 40	Nettly Lake.....	Man.	40 00
Munro.....	Ont.	219 00	Neuchatel.....	Alberta.	70 90
Munroe's Bridge.....	N.S.	44 50	Neutral Hills.....	Alberta.	64 00
Murchison.....	Man.	30 00	Neutral Valley.....	Alberta.	33 90
Murchyville.....	N.S.	36 00	Nevecon.....	Man.	67 15
Murphy.....	Ont.	38 00			

(a) Reopened 1-5-17.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
New Albany.....	N.S.	167 90	Nigado.....	N.B.	156 50
Newaygo, summer office (opened 15-6-17).....	P.Q.	45 00	Nile.....	Ont.	174 75
Newbank.....	Sask.	95 10	Nilestown.....	Ont.	178 00
Newbliss.....	Ont.	131 75	Nilrem.....	Alberta...	60 00
New Boston.....	N.S.	2 00	Nine Mile Creek.....	P.E.I.	30 75
Newboyne.....	Ont.	84 53	Nine Mile River.....	N.S.	184 00
New Briden.....	Alberta...	138 60	Ninevah.....	N.S.	66 00
Newbrook (opened 1-6-17).....	Alberta...	76 97	Niobe.....	Alberta...	40 25
Newburg.....	Alberta...	72 05	Nipawin.....	Sask.	223 00
Newburg Junction.....	N.B.	276 96	Nipissing Junction.....	Ont.	108 60
Newburn.....	N.S.	28 75	Nisbet.....	Alberta...	32 50
New Canaan.....	Ont.	100 09	Niverville.....	Man.	509 81
New Canada.....	N.S.	112 20	Nixon.....	Ont.	286 00
New Carlisle West.....	P.Q.	128 95	Nixon.....	N.B.	20 50
New Carlow.....	Ont.	119 28	Nobleville (reopened 1-10-17).....	Sask.	25 00
Newcastle Bridge.....	N.B.	433 90	Noel Road.....	N.S.	132 50
Newcastle Centre.....	N.B.	14 09	Noel Shore.....	N.S.	91 00
New Chester.....	N.S.	33 00	Nogies Creek.....	Ont.	180 25
Newcomb.....	N.S.	88 22	Nolalu.....	Ont.	246 79
Newcomb Corner.....	N.S.	91 10	Nora.....	Sask.	134 50
New Cornwall.....	N.S.	130 10	Nootka.....	B.C.	208 94
New Credit.....	Ont.	22 50	Norbury.....	Sask.	97 75
New Cumberland.....	N.S.	45 09	Nordin.....	N.B.	141 75
New Denmark.....	N.B.	101 75	Norgate.....	Man.	197 70
New Edinburgh.....	N.S.	133 75	Norge.....	Sask.	40 00
Newellton.....	N.S.	292 53	Norham.....	Ont.	339 01
New Elm.....	N.S.	16 00	Normandale.....	Ont.	211 47
Newfield.....	Ont.	23 03	Normandeau.....	Alberta...	47 15
New Finland.....	Sask.	23 49	Normandie.....	N.B.	54 00
New Flos.....	Ont.	136 53	Norris Lake.....	Man.	13 25
New Gairloch.....	N.S.	58 75	North Ainslie.....	N.S.	40 00
New Grafton.....	N.S.	165 15	North Alton.....	N.S.	27 00
New Harbour, West.....	N.S.	149 52	Northam.....	P.E.I.	125 00
New Harris.....	N.S.	24 00	North Bloomfield.....	N.S.	26 00
New Harris Forks.....	N.S.	31 00	North Bonaparte (closed 3-12-17).....	B.C.	42 50
New Haven.....	N.S.	204 84	North Branch.....	Ont.	58 15
New Hill.....	Alberta...	60 10	North Bruce.....	Ont.	344 25
Newholm.....	Ont.	91 71	North Bulkeley.....	B.C.	83 09
New Holme.....	Sask.	82 64	North Buxton.....	Ont.	231 79
New Horton.....	N.B.	53 75	North Cardigan (closed 1-11-17).....	N.B.	16 45
New Ireland.....	P.Q.	67 70	North Clones (closed 15-2-18).....	N.B.	23 45
New Jersey.....	N.B.	82 09	Northcote.....	Ont.	236 71
New Jerusalem.....	N.B.	125 65	North Earlton.....	N.S.	28 35
Newlands Station.....	B.C.	166 95	North East Harbour.....	N.S.	179 92
Newlands.....	Sask.	62 50	North East Mabou.....	N.S.	9 00
New Lindsay.....	Alberta...	62 00	North East Margaree.....	N.S.	303 68
New Lunnon.....	Alberta...	42 33	North East Point.....	N.S.	135 77
Newmarket.....	N.B.	41 00	North End (closed 1-3-18).....	Sask.	92 95
New Osgoode.....	Sask.	80 10	North Esk Boom.....	N.B.	41 50
Newport.....	Ont.	71 70	Northern Valley.....	Alberta...	63 00
Newport.....	P.Q.	252 00	Northfield.....	N.B.	22 05
Newport Corner.....	N.S.	132 25	Northfield.....	N.S.	106 75
Newport, Lot 54.....	P.E.I.	143 80	Northfield, Queens.....	N.S.	49 50
Newport Station.....	N.S.	428 50	Northfield Farm (closed 15-8-17).....	P.Q.	7 50
New Prospect.....	N.S.	4 00	North Fork.....	Alberta...	122 77
New River Station.....	N.B.	62 85	North Framboise.....	N.S.	31 40
New Rockland.....	P.Q.	121 00	North Gabriola.....	B.C.	86 02
New Ross Road.....	N.S.	47 00	North Gore.....	P.Q.	25 00
New Russell.....	N.S.	53 50	North Grant.....	N.S.	17 00
New Salem.....	N.S.	173 12	North Greenville.....	N.S.	108 50
New Sarepta.....	Alberta...	240 92	North Gut, St. Ann's.....	N.S.	26 05
New Sarum.....	Ont.	189 00	North Harbour, Cape North.....	N.S.	16 00
New Scotland.....	N.B.	41 70	North Highlands.....	N.S.	13 00
Newtown Station.....	B.C.	261 73	North Intervale.....	N.S.	49 00
Newton Mills.....	N.S.	240 33	North Kamloops (closed 31-8-17).....	B.C.	8 00
Newton Siding.....	Man.	216 45	North Kemptville.....	N.S.	81 00
Newtonville.....	N.S.	47 00	North Keppel.....	Ont.	216 66
New Town.....	N.S.	82 58	North Kingston.....	N.S.	109 43
New Town.....	N.B.	413 00	North Lake.....	N.B.	113 81
Newtown Cross.....	P.E.I.	124 90	Northleigh.....	Alberta...	12 50
New Tusket.....	N.S.	252 46	North Low.....	P.Q.	103 44
New Ufford (closed 15-12-17).....	Sask.	7 00	North Malden.....	Ont.	222 00
New Victoria.....	N.S.	106 59	North Meiklefield.....	N.S.	49 00
Newville.....	N.S.	202 60	North Middleboro.....	N.S.	42 00
New Yarmouth.....	N.S.	18 00	Northminster.....	Sask.	26 15
Nielabau.....	P.Q.	48 78	North Mountain.....	N.S.	16 50
Nichol.....	B.C.	88 53	North Ogden.....	N.S.	22 00
Nicholson.....	B.C.	33 25	North Range Corner.....	N.S.	200 45
Nickelton.....	Ont.	409 39	North Renous.....	N.B.	45 88
Nicolet Falls.....	P.Q.	62 41	North River.....	P.E.I.	128 20
Nictau.....	N.B.	78 30	North River.....	N.S.	92 00
Nictaux South.....	N.S.	5 00	North River Bridge.....	N.S.	270 00
Nictaux West.....	N.S.	83 00	North River Centre.....	N.S.	36 20
			North Riverside.....	N.S.	6 00

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
North Rustico.....	P.E.I.	290 50	Old Chelsea.....	P.Q.	111 60
North Séguin.....	Ont.	124 74.	Old Fort Bay.....	P.Q.	20 00
North Shore (closed 1-11-17).....	N.S.	44 00	Old Harry.....	P.Q.	47 20
North Shore, Cumberland.....	N.S.	18 22	Old Lake Road.....	P.Q.	140 00
Northside.....	Sask.	71 95	Old Wives.....	Sask.	52 75
North Star.....	Man.	53 50	Olga.....	Sask.	41 50
North Transcona.....	Man.	114 75	Olha.....	Man.	67 00
North Vermilion.....	Alberta.	44 50	Olinville.....	N.B.	32 25
Northview.....	N.B.	76 70	Oliphant.....	Ont.	220 00
North Wallace.....	N.S.	24 00	Oliver (closed 1-5-17).....	N.S.	
North West.....	N.S.	48 00	Oliver (closed 31-1-18).....	Sask.	34 00
North West Arm.....	N.S.	59 50	Olscamp.....	P.Q.	75 25
North West Bridge.....	N.B.	250 27	Olsen Creek.....	Alberta.	42 75
North West Cove.....	N.S.	49 00	Olsen Lake.....	B.C.	34 55
North West Harbour.....	N.S.	83 29	Olson.....	Sask.	6 00
North Whitton.....	P.Q.	25 00	O'Malley.....	Sask.	62 55
North Winchester.....	Ont.	50 50	Omer.....	P.Q.	72 14
North Wolfestown.....	P.Q.	34 20	Ompah.....	Ont.	207 30
Norton Dale.....	N.B.	37 50	O'Neil.....	N.B.	9 00
Nortonville.....	Ont.	17 00	Onefour.....	Alberta.	29 56
Norval Station.....	Ont.	165 00	One Mile House.....	B.C.	133 55
Norway Bay (summer office).....	P.Q.	249 50	Onslow Corners.....	P.Q.	269 81
Norway House.....	Man.	266 65	Onslow Mountain.....	N.S.	39 30
Norwood.....	N.S.	83 23	Onslow Station.....	N.S.	124 67
Nosbosing.....	Ont.	49 88	Ootsa Lake.....	B.C.	45 75
Notre Dame.....	N.B.	373 76	Opal.....	Alberta.	243 00
Notre Dame de la Doré (closed 5-2-18).....	P.Q.	33 41	Ophir.....	Ont.	175 53
Notre Dame de l'Île Vert.....	P.Q.	119 74	Orangedale, East.....	N.S.	24 05
Notre Dame de la Merce.....	P.Q.	76 91	Oranmore.....	Ont.	49 92
Notre Dame de Pierreville.....	P.Q.	375 25	Orbindale.....	Alberta.	38 20
Notre Dame des Quinze.....	P.Q.	49 00	Orchard Beach (summer office).....	Ont.	255 00
Notre Dame du Lac.....	Ont.	55 00	Orient.....	Ont.	51 00
Notre Dame du Lac Station.....	P.Q.	177 00	Orient Bay.....	Ont.	63 25
Nouvelle.....	P.Q.	226 00	Orland.....	Ont.	188 34
Noyes Crossing.....	Alberta.	92 49	Ormiston.....	Sask.	147 70
Nugent.....	Alberta.	57 50	Ormsby.....	Ont.	282 94
Nummola.....	Sask.	20 00	Ormside.....	Sask.	19 25
Nunebor.....	Sask.	67 90	Orpington.....	Sask.	43 50
Nut Lake.....	Sask.	91 45	Orr Lake.....	Ont.	104 30
Nuttby.....	N.S.	52 00	Orrwold.....	Man.	62 00
Nyanza.....	N.S.	237 00	Ortonville.....	N.B.	69 50
Oak Bay.....	N.B.	192 50	Orvilton.....	Alberta.	19 00
Oak Bay Mills.....	P.Q.	240 25	Orwell Cove.....	P.E.I.	201 95
Oak Bluff.....	Man.	216 71	Osaca.....	Ont.	145 59
Oakbrae.....	Man.	26 05	Osborne.....	Man.	133 00
Oakdale.....	Ont.	161 33	Oso Station.....	Ont.	223 85
Oakfield.....	N.S.	140 50	Ospringle.....	Ont.	263 67
Oakhill.....	N.B.	103 17	Ostrander.....	Ont.	241 30
Oak Lake.....	Ont.	43 00	Ostrea Lake.....	N.S.	168 05
Oakland.....	N.S.	47 00	O'Sullivan (summer office).....	Ont.	110 00
Oakland.....	Man.	245 63	Oswald.....	Man.	65 05
Oakley (closed 1-9-17).....	Sask.	5 00	Otis.....	P.Q.	57 53
Oakner.....	Man.	301 20	Ottawa Brook.....	N.S.	108 90
Oaknook.....	Man.	17 00	Ottawa, Sub-Office No. 3.....	Ont.	a
Oak Park.....	N.S.	62 20	Ottawa, Sub-Office No. 15.....	Ont.	a
Oak Ridges.....	Ont.	203 25	Ottawa, Sub-Office No. 17.....	Ont.	a
Oakshela.....	Sask.	186 00	Ottawa, West.....	Ont.	365 50
Oakview.....	Man.	43 00	Otter (closed 1-11-17).....	B.C.	121 00
Oatfield.....	Man.	115 20	Otter Brook.....	N.S.	124 50
Oba.....	Ont.	135 14	Otter Creek.....	Ont.	19 10
Oban.....	N.S.	39 01	Otter Lake.....	P.Q.	541 02
Oban Station.....	Sask.	176 50	Otter Point.....	B.C.	95 15
Oceanic.....	B.C.	67 20	Otterton (closed 30-11-17).....	Sask.	
Ocean Park (summer office, opened 1-7-17).....	B.C.	40 00	Otto.....	Man.	132 02
Ocean View.....	P.E.I.	97 80	Otty Glen.....	N.B.	65 75
O'Connell.....	P.Q.	19 00	Ouananiche.....	P.Q.	5 00
O'Connell.....	Ont.	101 75	Ouelletville.....	Alberta.	130 00
Odanak.....	P.Q.	170 57	Ouellette.....	Ont.	162 31
Oconto.....	Ont.	82 00	Ouimet.....	Ont.	180 50
Odell River.....	N.B.	166 00	Outer Island of Port Hood.....	N.S.	2 00
Odin.....	N.S.	29 20	Outlet.....	Ont.	46 00
O'Farrell.....	P.Q.	66 30	Outlook.....	Ont.	32 00
Ogden.....	N.S.	50 08	Outram.....	N.S.	47 50
Ogilvie.....	N.S.	15 00	Overland.....	Sask.	177 52
Ogilvie Station.....	Man.	237 97	Owenbrook.....	Ont.	62 44
Ohio.....	N.S.	38 20	Owl Creek (late Pemberton Meadows, 1-4-17).....	B.C.	49 51
Ojibway.....	Ont.	353 50	Owls Eve Lake.....	Alberta.	61 52
Ojibway Island (summer office).....	Ont.	319 20	Owl's Head Harbour.....	N.S.	143 72
Okanagan.....	B.C.	17 00	Owoju.....	Man.	24 00
Okno.....	Man.	84 55	Oxarat.....	Sask.	7 50
Oldbury.....	Sask.	100 70	Oxbow.....	N.B.	138 38
			Oxenden.....	Ont.	183 20

aFor Revenue see under Ottawa Sub-Offices.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Oxford Junction.....	N.S.	416 00	Peavine.....	Alberta...	115 75
Oxville.....	Alberta.	74 00	Peckham.....	Alberta...	
Ozerna.....	Man.	63 85	Peebechill.....	Sask.	20 00
Oyster Bed Bridge.....	P.E.I.	161 40	Pebble Beach.....	Man.	56 00
Oyster Ponds.....	N.S.	120 50	Peebles.....	Sask.	172 00
Ozanam.....	P.Q.	82 88	Peel.....	N.B.	256 22
Pabos Mills.....	P.Q.	169 11	Peerless.....	Alberta...	40 00
Pacific (reopened 1-8-17).....	B.C.	77 97	Peesane.....	Sask.	225 00
Pacific Junction.....	Man.	62 80	Pegasus.....	Sask.	44 25
Packington.....	P.Q.	51 74	Peguis.....	Alberta...	40 00
Paddle River.....	Alberta.	134 63	Peguis.....	Man.	106 00
Paddling Lake.....	Sask.	13 00	Peggy's Cove.....	N.S.	72 12
Paddockwood.....	Sask.	98 00	Pekisko.....	Alberta...	298 90
Padstow.....	Alberta.	55 75	Pelican Rapids.....	Man.	59 20
Paimpol (closed 1-5-17).....	P.Q.		Pellatt.....	Ont.	85 00
Painchaud.....	P.Q.	117 00	Pellerin.....	P.Q.	24 00
Paincourt.....	Ont.	420 55	Pelletier Mills.....	N.B.	222 40
Painsec.....	N.B.	43 00	Pelletier Station.....	P.Q.	110 00
Painswick.....	Ont.	254 38	Pelly.....	Yukon.	146 50
Paisley Brook.....	Sask.	75 25	Pembina.....	Alberta...	81 50
Pakesley (opened 3-8-17).....	Ont.	380 83	Pembroke.....	N.S.	100 75
Palm Bay.....	Alberta.	27 75	Pemberton Hill.....	Alberta...	26 00
Pandora.....	Alberta.	284 57	Pendant d'Oreille.....	Alberta...	211 20
Pannure.....	Ont.	78 00	Pendennis.....	Man.	114 91
Papineau.....	P.Q.	19 00	Pendryl.....	Alberta...	55 00
Paquette Station.....	Ont.	293 49	Pengarth.....	Sask.	14 53
Paquetville.....	N.B.	237 99	Penge.....	Sask.	14 00
Paradis.....	P.Q.	109 19	Peniac.....	N.B.	250 00
Paradis Bay.....	Ont.	36 25	Peninsula (opened 15-9-17).....	Ont.	47 73
Paradise Hill.....	Sask.	196 00	Penkill.....	Sask.	46 20
Parané.....	P.Q.	118 15	Pennant.....	N.S.	52 50
Paré.....	P.Q.	75 45	Pennfield Centre.....	N.B.	102 16
Parents.....	N.B.	85 50	Pennock.....	Sask.	28 50
Paris.....	Yukon.	30 00	Penny.....	B.C.	139 90
Park.....	Sask.	38 25	Peno.....	Alberta...	53 20
Parkerville.....	Ont.	103 25	Pentz.....	N.S.	118 00
Park Bluff.....	Sask.	70 63	Peplin (closed 1-2-18).....	P.Q.	33 25
Park Court.....	Alberta.	45 00	Pepper.....	Sask.	59 70
Parkdale (closed 1-11-17).....	N.S.	53 75	Perbeck.....	Alberta...	103 40
Parkdale.....	Man.	50 17	Perigord.....	Sask.	251 50
Parker.....	Ont.	143 00	Perivale.....	Ont.	48 00
Parkers Cove.....	N.S.	176 80	Perkinsfield.....	Ont.	159 65
Parkers Ridge.....	N.B.	198 25	Perley.....	Sask.	18 50
Park Head.....	Ont.	345 78	Perreault.....	Ont.	90 00
Parkhouse.....	Ont.	64 00	Perron.....	P.Q.	25 00
Parkin.....	Sask.	67 12	Perrott Settlement.....	N.S.	38 00
Parkindale.....	N.B.	143 75	Perry Settlement.....	N.B.	1 0 1
Parkinson.....	Ont.	80 63	Perry's Point.....	N.B.	153 40
Parkman.....	Sask.	343 87	Perrytown.....	Ont.	90 80
Parks Creek.....	N.S.	249 05	Perryvale.....	Alberta...	378 03
Parkview.....	Sask.	13 00	Pertuis.....	P.Q.	94 89
Parlee Settlement (closed 13-2-18).....	N.B.	30 00	Peter's Brook.....	N.S.	15 00
Parr.....	Alberta.	151 35	Peter's Mills.....	N.B.	38 00
Parrsboro' Shore.....	N.S.	91 00	Peterson.....	N.B.	64 50
Parson.....	B.C.	130 90	Peterson.....	Sask.	193 45
Parvilla.....	Alberta.	41 00	Peterson's Corners.....	Ont.	38 03
Pashley.....	Alberta.	255 00	Peter's River.....	N.B.	21 00
Passekeag.....	N.B.	140 70	Petersville.....	N.B.	70 50
Pasteur.....	P.Q.	27 00	Petersville Church (closed 15-2-18).....	N.B.	102 15
Patchgrove.....	Sask.	89 60	Petit Béancour.....	P.Q.	21 00
Paterson.....	B.C.	105 75	Petites Bergeronnes.....	P.Q.	55 52
Pathfinder.....	Alberta.	12 00	Petit Bonaventure.....	P.Q.	143 40
Patience.....	Alberta.	58 00	Petit Bois.....	P.Q.	76 00
Patience Lake (closed 1-5-17).....	Sask.	4 00	Petit Carleton.....	P.Q.	53 90
Patriot.....	Ont.	21 25	Petit Cap.....	P.Q.	96 20
Patton.....	Ont.	92 29	Petit Capucins.....	P.Q.	73 40
Pattullo.....	Ont.	30 00	Petit Caspédia Nord.....	P.Q.	23 50
Pau.....	P.Q.	46 00	Petite Côte.....	Ont.	259 71
Paulash.....	Ont.	50 70	Petit Lac.....	P.Q.	52 60
Paugh Lake.....	Ont.	34 55	Petite Chockfish.....	N.B.	30 60
Paul Lemay (opened 1-6-17).....	P.Q.	49 87	Petite Lamèque.....	N.B.	102 75
Paul's Corners.....	Alberta.	48 00	Petite Magdaleine.....	P.Q.	217 00
Pavilion.....	B.C.	98 85	Petite Mascouche.....	P.Q.	23 00
Paxson.....	Alberta.	40 00	Petit Méchin.....	P.Q.	84 23
Puxton Valley.....	B.C.	57 75	Petit Métis Station.....	P.Q.	177 53
Payndale (closed 2-2-18).....	Alberta.	14 50	Petit Moulin.....	P.Q.	83 25
Pearce.....	Alberta.	217 85	Petit Nord.....	Sask.	16 00
Pearceley.....	Ont.	51 00	Petit Paquetville.....	N.B.	58 25
Peardonville.....	B.C.	53 20	Petit Pré Est.....	P.Q.	39 02
Pearl.....	N.B.	35 50	Petite Rivière au Renard.....	P.Q.	85 70
Perasonville.....	N.B.	25 50	Petite Rivière aux Sables.....	P.Q.	45 00
Peas Brook.....	N.S.	57 20	Petite Tourle.....	P.Q.	41 00
Peat.....	Alberta.	35 58	Petite Vallée.....	P.Q.	76 60
			Petpeswick Harbour.....	N.S.	97 00

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Petrofka.....	Sask.	112 10	Pleasant Villa.....	N.B.	45 00
Pettigrow Settlement.....	N.S.	20 50	Pleasantville.....	N.S.	310 75
Pevensey.....	Ont.	21 00	Pleasington.....	Alberta.	55 60
Philemon.....	P.Q.	40 25	Plessis.....	Sask.	48 10
Philibert.....	P.Q.	12 75	Plouffe Landing.....	P.Q.	84 00
Phillips Harbour.....	N.S.	95 00	Plouard.....	N.B.	76 50
Pibroch.....	Alberta.	236 96	Plumbridge.....	Sask.	173 20
Piccadilly.....	N.B.	32 50	Plum Hollow.....	Ont.	309 83
Piché.....	Sask.	103 20	Plymouth.....	N.S.	138 15
Picardville.....	Alberta.	260 46	Plympton.....	Man.	95 05
Pickerel (opened 1-2-18).....	Ont.	61 25	Plympton Station.....	N.S.	69 00
Pickeral Lake.....	Ont.	35 50	Pohenagamooke.....	P.Q.	215 42
Picnic.....	Sask.	49 95	Poe.....	Alberta.	109 45
Pictou Island.....	N.S.	70 00	Pointe Aconi.....	N.S.	30 00
Picture Butte.....	Alberta.	192 00	Point Alexander.....	Ont.	395 50
Pidgeon.....	P.Q.	42 00	Pointe à Naveau.....	P.Q.	59 10
Pied de la Montagne.....	P.Q.	34 00	Pointe au Car.....	N.B.	34 10
Piedmont.....	P.Q.	180 00	Pointe Carré.....	P.Q.	37 00
Piedmont Valley.....	N.S.	105 77	Pointe Chambord.....	P.Q.	21 00
Piercemont.....	N.B.	30 00	Point Comfort.....	P.Q.	119 50
Pigeon Bluff.....	Man.	73 94	Point Cowan.....	B.C.	70 80
Pigeon Hill.....	N.B.	67 66	Point Cross.....	N.S.	85 98
Pigeon Lake.....	Man.	271 14	Point Edward.....	N.S.	41 00
Pigou River (opened 1-6-17).....	P.Q.	38 87	Pointe Escuminac.....	N.B.	44 70
Pike Bay.....	Ont.	60 08	Point Gardiner.....	N.B.	40 10
Pike Lake.....	Sask.	120 00	Pointe Jaune.....	P.Q.	50 20
Pike River.....	P.Q.	241 50	Point Kaye.....	Ont.	53 95
Pikes Peak.....	Sask.	20 00	Pointe la Nim.....	N.B.	43 00
Pilger.....	Sask.	35 25	Pointe Michaud.....	N.S.	24 00
Pinantan.....	B.C.	83 30	Pointe Pelée.....	Ont.	63 71
Pinard (opened 1-6-17).....	P.Q.	66 35	Point of Cape.....	N.S.	20 25
Pinawa.....	Man.	159 10	Point Platon.....	P.Q.	94 00
Pincebee.....	P.Q.	43 96	Point Sapin.....	N.B.	142 33
Pine.....	Ont.	228 32	Point Traverse.....	Ont.	80 65
Pineau.....	N.B.	33 70	Point Wolfe.....	N.B.	119 40
Pine Canyon (closed 1-5-17).....	Alberta.		Pointe à la Frégate.....	P.Q.	68 17
Pine Coulee.....	Sask.	25 45	Pointe à la Garde.....	P.Q.	160 61
Pine Creek Station.....	Man.	201 55	Pointe au Baril.....	Ont.	360 48
Pine Glen.....	N.B.	43 75	Pointe au Boisvert.....	P.Q.	59 70
Pine Grove.....	Ont.	138 00	Pointe au Bouleau.....	P.Q.	95 89
Pine Hill.....	P.Q.	15 00	Pointe au Gœmon.....	P.Q.	81 42
Pinehlands (summer office).....	Ont.	147 00	Pointe aux Anglais.....	P.Q.	36 00
Pine Ridge.....	N.B.	83 40	Pointe aux Originaux.....	P.Q.	47 90
Pine Ridge.....	Man.	39 23	Pointe aux Outardes.....	P.Q.	25 10
Pine River.....	Man.	407 10	Pointe aux Trembles Ouest.....	P.Q.	47 00
Pinette.....	P.E.I.	106 50	Pointe Bleue.....	P.Q.	110 90
Pine Tree.....	N.S.	56 00	Pointe Bourque.....	P.Q.	55 20
Pinevale.....	N.S.	9 00	Pointe des Monts.....	P.Q.	24 10
Pine View.....	Man.	83 00	Pointe des Roches.....	P.Q.	35 45
Pineville.....	N.B.	54 45	Pointe du Chêne.....	N.B.	411 00
Pinguet.....	P.Q.	26 00	Pointe Ste. Anne des Monts.....	P.Q.	217 30
Pinhorn (closed 30-5-17).....	Alberta.		Poirier.....	N.B.	12 00
Piney.....	Man.	429 61	Poirierville.....	N.S.	97 75
Pinkey's Point.....	N.S.	69 90	Poitou.....	P.Q.	45 50
Pinto.....	Sask.	71 75	Poitras.....	N.B.	12 50
Pioneer.....	Alberta.	76 05	Pokchasset (closed 1-11-17).....	Alberta.	
Piper Glen.....	N.S.	7 00	Pokesudi.....	N.B.	26 00
Piper's Cove.....	N.S.	24 00	Poland.....	Ont.	220 45
Pirnezz Creek.....	Alberta.	64 50	Poliquin.....	P.Q.	32 04
Pitcher's Farm.....	N.S.	10 00	Pollett River.....	N.B.	269 55
Pitman.....	Sask.	121 25	Pollockville.....	Alberta.	198 00
Plusville Station.....	P.E.I.	244 59	Polleyhurst.....	N.B.	36 35
Plainfield.....	Ont.	173 19	Polson's Brook.....	N.S.	25 00
Plain Lake.....	Alberta.	53 86	Polwarth.....	Sask.	122 15
Plain View.....	Sask.	35 51	Pomeroy.....	Man.	4 00
Plainville.....	Ont.	186 02	Pomquet.....	N.S.	198 40
Plaister Mines.....	N.S.	60 00	Pomquet Station.....	N.S.	143 56
Plateau.....	N.S.	77 00	Ponass Lake.....	Sask.	108 70
Platinum.....	Ont.	38 00	Poncheville (opened 1-6-17).....	P.Q.	33 75
Pleasant Bay.....	N.S.	96 20	Pondville.....	N.S.	38 00
Pleasantfield.....	N.S.	36 01	Pont de Batiscan.....	P.Q.	29 30
Pleasant Grove.....	P.E.I.	22 00	Pont de la Noreau.....	P.Q.	124 12
Pleasant Harbour.....	N.S.	176 59	Pontgrivé.....	P.Q.	22 80
Pleasant Hills.....	N.S.	51 00	Pontrilas.....	Sask.	81 90
Pleasant Home.....	Man.	85 60	Pont St. Maurice.....	P.Q.	446 40
Pleasant Lake.....	N.S.	111 78	Pont Viau.....	P.Q.	134 75
Pleasant Mount.....	N.S.	18 00	Pope.....	Ont.	175 50
Pleasant Point.....	N.B.	136 10	Pope's Harbour.....	N.S.	153 25
Pleasant Point.....	N.B.	69 50	Poplar.....	Ont.	220 40
Pleasant Point.....	Ont.	100 25	Poplar Creek.....	B.C.	90 20
Pleasant River.....	N.S.	365 66	Poplar Dale.....	Ont.	37 00
Pleasant Valley, Yarmouth.....	N.S.	54 00	Poplarfield.....	Man.	197 95
Pleasant Valley.....	Sask.	203 80	Poplar Grove.....	Sask.	95 69
Pleasant Valley, Antigonish.....	N.S.	39 00	Poplar Hill.....	Ont.	281 90
Pleasant View.....	Alberta.	105 43	Poplar Park.....	Man.	50 25

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Portage.....	Ont.	326 00	Preneveau.....	Ont.	160 51
Portage.....	P.E.I.	253 70	Prequ'Isle.....	Ont.	58 00
Portage de la Nation.....	P.Q.	150 97	Presqu'Isle Point (summer office).....	Ont.	191 00
Portage du Lac.....	N.B.	48 68	Prestioss.....	Sask.	26 00
Portage East Bay.....	N.S.	18 00	Pré Ste. Marie.....	Sask.	37 00
Portage Griffon.....	P.Q.	9 00	Preston.....	N.S.	21 00
Portage River.....	N.B.	50 00	Preston Road.....	N.S.	70 00
Port Albert.....	Ont.	210 50	Prestville (opened 8-5-17).....	Alberta.	72 00
Port Alfred (opened 18-5-17).....	P.Q.	160 00	Pretty River Valley (closed 1-8-17).....	Ont.	9 00
Port Anson.....	Ont.	95 63	Pretty Valley.....	Sask.	226 95
Portapique.....	N.S.	123 25	Préval.....	P.Q.	193 90
Portapique Mountain.....	N.S.	43 50	Price's Corner.....	Ont.	71 00
Port Arthur, Sub-Office No. 2.....	Ont.	a	Price Settlement.....	N.B.	40 50
Port Arthur, Sub-Office No. 4.....	Ont.	a	Primeauville.....	P.Q.	427 27
Port Arthur, Sub-Office No. 5.....	Ont.	a	Primula.....	Alberta.	50 00
Port au Persil.....	P.Q.	169 20	Prince Albert.....	Ont.	455 00
Port au Saumon.....	P.Q.	52 75	Prince Albert.....	N.S.	27 00
Port aux Quilles.....	P.Q.	73 00	Prince Dale.....	N.S.	66 50
Port Ban.....	N.S.	9 00	Prince of Wales.....	N.B.	67 00
Port Bevis.....	N.S.	27 00	Prince's Lodge.....	N.S.	112 95
Port Bickerton.....	N.S.	200 15	Princtown.....	P.E.I.	768 45
Port Bowmanville (summer office).....	Ont.	40 00	Princeville.....	N.S.	59 30
Port Bruce.....	Ont.	46 20	Prince William Station.....	N.B.	343 94
Port Caledonia.....	N.S.	104 50	Privett.....	N.S.	21 00
Port Carmen.....	Ont.	85 10	Product.....	Sask.	43 48
Port Cockburn (summer office).....	Ont.	47 10	Prongua (reopened 9-3-17).....	Sask.	221 65
Port Coldwell.....	Ont.	237 27	Prospect.....	Ont.	127 04
Port Crawford.....	B.C.	122 50	Prospect Valley.....	Alberta.	64 80
Port Cunningham.....	Ont.	240 20	Prosperity (closed 1-12-17).....	Sask.	57 00
Port Daniel, West.....	P.Q.	376 49	Prospry.....	Alberta.	100 00
Port Dufferin, West.....	N.S.	33 00	Prosser Brook.....	N.B.	51 75
Porteau.....	B.C.	47 75	Provence (closed 6-4-17).....	P.Q.	112 60
Portelance (closed 15-1-18).....	P.Q.	55 73	Pruden.....	Sask.	39 08
Porter Cove Road.....	N.B.	60 02	Prudens Crossing (opened 1-8-17).....	Alberta.	194 49
Porter's.....	N.B.	33 95	Public Landing.....	N.B.	35 00
Porter's Lake.....	N.S.	98 45	Pubnico Beach.....	N.S.	48 50
Porter's River.....	N.S.	20 00	Puckahn.....	Sask.	16 00
Porterville.....	Ont.	121 80	Puellerling.....	N.B.	16 00
Port Felix.....	N.S.	143 60	Puellerling.....	Alberta.	242 54
Port Felix, East.....	N.S.	93 00	Puffer.....	Alberta.	45 25
Port Franks.....	Ont.	110 84	Pugwash River.....	N.S.	640 00
Port George.....	N.S.	273 55	Pulp Siding.....	Ont.	28 00
Port Gillan (closed 1-6-17).....	B.C.	56 00	Purbrook.....	Ont.	34 50
Port Granby.....	Ont.	242 66	Purby.....	N.S.	48 00
Port Hardy.....	B.C.	264 90	Purple Brook.....	Man.	20 75
Port Hill.....	P.E.I.	197 64	Purple Ridge.....	Man.	36 00
Port Hillford.....	N.S.	151 69	Putnam.....	Ont.	321 40
Port Hood Island.....	N.S.	237 20	Quaco Road.....	N.B.	23 00
Port Joli.....	N.S.	170 00	Quadville.....	Ont.	110 00
Port Keewaydin (summer office).....	Ont.	170 00	Qualicum.....	B.C.	118 25
Port Lewis (summer office, opened 1-5-17).....	P.Q.	10 00	Quantock.....	Sask.	238 50
Port Lock.....	Ont.	105 97	Quarrel.....	Alberta.	57 00
Port Malcolm.....	N.S.	88 75	Quarries.....	Ont.	92 25
Port Neville.....	B.C.	119 10	Quarry St. Anne's (reopened 1-7-17).....	N.S.	40 00
Portree.....	N.S.	32 16	Quatre Chemins.....	P.Q.	138 00
Port Richmond.....	N.S.	49 70	Quatre Coins.....	N.B.	44 00
Port Royal.....	N.S.	78 00	Québec Stadacona.....	P.Q.	b
Port Ryerse (reopened 15-6-17).....	Ont.	53 00	Québec Sub-Office, Lairet.....	P.Q.	b
Port Sandfield.....	Ont.	204 73	Queen Centre.....	Sask.	76 00
Port Saxon.....	N.S.	119 90	Queensland.....	N.S.	91 45
Port Severn.....	Ont.	237 75	Queen's Line.....	Ont.	84 47
Port Shoreham.....	N.S.	162 00	Queenstown.....	N.B.	213 15
Portuguese Cove.....	N.S.	49 20	Queen's Valley.....	Man.	63 05
Port Union.....	Ont.	48 87	Queensville.....	N.S.	89 00
Portageville.....	Ont.	209 75	Querrin.....	Sask.	42 75
Potter.....	Ont.	125 70	Querry.....	P.Q.	28 00
Potton Springs.....	P.Q.	54 99	Quensel Forks.....	B.C.	103 00
Potvin.....	P.Q.	298 40	Quibell.....	Ont.	370 55
Poulinon.....	N.S.	39 09	Quill Plain.....	Sask.	63 00
Poulin.....	P.Q.	52 64	Quimper.....	Sask.	41 15
Powporc.....	P.Q.	54 31	Quinan.....	N.S.	74 47
Power House.....	Alberta.	47 00	Quinnville.....	P.Q.	38 75
Power's Creek.....	N.B.	329 21	Quispamsis.....	N.B.	69 70
Pownall.....	P.E.I.	23 25	Quinnox (closed 2-10-17).....	Sask.	57 85
Prague.....	Alberta.	72 24	Rabbit Lake.....	Sask.	569 70
Prairie Grove.....	Man.	211 10	Racine Mills.....	P.Q.	88 00
Prairie River.....	Sask.	129 00	Racing Lake.....	Sask.	16 50
Prairie Siding.....	Ont.	275 15	Radford.....	Yukon.	23 75
Pratt.....	Man.	202 56	Radnor Forges.....	P.Q.	50 46
Préceux-Sung.....	P.Q.	185 00	Radouga.....	Sask.	15 59
Pré-d'en haut.....	N.B.				

bFor Revenue see under Port Arthur Sub-Office.

bFor Revenue see under Quebec Sub-Offices.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Radium Hot Springs.....	B.C.	56 25	Red Pine.....	N.B.	66 00
Radway.....	Man.	63 50	Red Rapids.....	N.B.	165 68
Radway Centre.....	Alberta..	220 15	Red River.....	N.S.	72 19
Raft River.....	B.C.	91 39	Red Stone.....	B.C.	20 10
Rageot (closed 20-11-17).....	P.Q.	23 25	Redwater.....	Alberta..	108 92
Raglan.....	Ont.	300 12	Redwater Station.....	Ont.	75 47
Raimbault.....	P.Q.	42 70	Red Wing.....	Ont.	141 76
Rainbow.....	Alberta..	34 20	Red Wood.....	Ont.	192 10
Rainville.....	P.Q.	47 06	Reed's Point.....	N.B.	62 00
Rail.....	P.Q.	35 00	Rees.....	N.B.	49 70
Raith.....	Ont.	266 45	Refuge Bay.....	B.C.	35 50
Raley.....	Alberta..	124 00	Regina Sub-Office No. 1.....	Sask.	a
Ralph Station.....	Sask.	209 68	Regina Sub-Office No. 5.....	Sask.	a
Rama Road.....	Ont.	36 00	Reidvale.....	N.S.	25 00
Ranching.....	Alberta..	55 00	Reinland.....	Man.	119 65
Ranchvale.....	Man.	60 00	Reist.....	Alberta..	91 53
Ranchville.....	Alberta..	147 50	Reklaw.....	Sask.	135 00
Randboro'.....	P.Q.	155 20	Remo.....	B.C.	46 25
Rancourt.....	P.Q.	21 58	Renata.....	B.C.	212 75
Randall Corner.....	N.B.	59 80	Renaud's Mills.....	N.B.	33 00
Randolph.....	N.B.	218 64	Renfrew.....	N.S.	35 00
Randolph.....	Ont.	74 30	Rennie.....	Man.	140 20
Rang Double.....	P.Q.	35 00	Renous.....	N.B.	315 86
Rangeview.....	Sask.	49 65	Renversy.....	P.Q.	65 00
Rang Mathias.....	P.Q.	72 40	Repentigny les Bains (summer office).....	P.Q.	3 00
Rang Portage.....	P.Q.	10 00	Rereshill.....	Sask.	19 00
Rang Ste. Catherine.....	P.Q.	10 00	Restoule.....	Ont.	266 42
Rang St. Achille.....	P.Q.	70 90	Retreat Cove.....	B.C.	69 70
Rang St. Paul.....	P.Q.	15 60	Revenue.....	Sask.	328 75
Rankin.....	Ont.	164 66	Rexboro.....	Alberta..	42 00
Rankinville.....	N.S.	14 50	Rex.....	Sask.	51 50
Rapdan.....	Sask.	107 50	Rexmount.....	B.C.	70 00
Rapide des Chiens.....	P.Q.	32 50	Reynaud.....	Sask.	20 00
Rapide Dufort.....	P.Q.	18 85	Reynold.....	Man.	31 00
Rapid Narrows.....	Alberta..	87 10	Reynolds.....	N.S.	80 25
Rasson.....	Sask.	58 45	Reynolds.....	N.B.	32 00
Rastad.....	Sask.	36 25	Reynoldscroft.....	N.S.	33 50
Ratcliffe.....	Sask.	68 10	Rheault.....	Ont.	16 00
Rateau.....	Man.	90 00	Rhodena.....	N.S.	19 00
Ratner.....	Sask.	116 60	Rhode's Corner.....	N.S.	63 70
Raudot.....	P.Q.	11 00	Ribot.....	P.Q.	47 85
Raush Valley.....	B.C.	28 00	Richardson.....	N.B.	102 00
Raven.....	Alberta..	185 23	Richardville.....	N.B.	9 00
Ravenscliffe.....	Ont.	97 57	Richard Village.....	N.B.	24 00
Ravenswood.....	Ont.	165 75	Richer.....	Man.	141 25
Ravensworth.....	Ont.	236 46	Richfield.....	N.S.	83 37
Ravignan.....	P.Q.	133 83	Richibucto Village.....	N.B.	224 70
Ravine.....	Alberta..	35 25	Richland.....	Man.	93 40
Ravine Bank.....	Sask.	229 80	Richmond.....	Sask.	435 70
Rawcliffe.....	P.Q.	35 56	Rich Valley.....	Alberta..	100 75
Rawdon.....	N.S.	273 26	Ricinus.....	Alberta..	63 32
Rawdon Gold Mines.....	N.S.	135 50	Rideau Lake.....	Ont.	30 00
Raycroft.....	Ont.	5 00	Ridgeclough.....	Alberta..	52 25
Raymond.....	Ont.	175 25	Ridgeley.....	Man.	74 70
Read.....	Ont.	286 71	Ridgedale.....	Sask.	108 50
Read Island.....	B.C.	36 50	Riel.....	Man.	1 50
Rear Big Hill.....	N.S.	11 00	Riie.....	Alberta..	121 74
Rear Boisdale.....	N.S.	12 00	Riga.....	Sask.	59 95
Rear Christmas Island.....	N.S.	27 00	Rimington.....	Ont.	39 00
Rear Dunvegan.....	N.S.	7 00	Rimouski Ouest.....	P.Q.	125 15
Rear Georgeville.....	N.S.	20 00	Ringwood.....	Ont.	207 70
Rear Judique South.....	N.S.	28 20	Riou.....	P.Q.	25 00
Rear Judique Chapel.....	N.S.	12 20	Ripples.....	N.B.	297 45
Rear of Baddeck Bay.....	N.S.	28 00	Rising Sun.....	Alberta..	16 00
Rear of Ball's Creek.....	N.S.	19 00	Ritchie.....	Sask.	237 90
Rear of Black River.....	N.S.	5 00	Ritchot.....	Man.	8 00
Rear of East Bay.....	N.S.	8 00	Riverbow.....	Alberta..	92 60
Rear of Little Judique.....	N.S.	30 00	Rivercourse.....	Alberta..	64 00
Rearville.....	Alberta..	105 50	River Centre.....	N.S.	40 00
Reay.....	Ont.	57 30	Riverdale.....	N.S.	93 00
Redan.....	Ont.	37 95	River Dennis.....	N.S.	87 27
Red Bay.....	Ont.	51 50	River Dennis Centre.....	N.S.	51 55
Redberry (reopened 1-1-18).....	Sask.	41 00	River Dennis Road.....	N.S.	34 00
Red Cross.....	Sask.	35 00	Riverfront.....	Sask.	35 10
Red Head.....	N.B.	16 50	River Gilbert.....	P.Q.	61 70
Redfield.....	Sask.	58 50	River Gilbert Gold Mine.....	P.Q.	70 20
Red Jackett.....	Sask.	195 00	River Glade.....	N.B.	497 00
Red Islands.....	N.S.	39 15	Riverhead.....	N.S.	22 25
Red Lodge.....	Alberta..	94 50	River Hébert.....	N.S.	186 85
Red Mill.....	P.Q.	46 15	River John Road (closed 31-6-17).....	N.S.	6 00
Redmond.....	P.Q.	14 25	River Phillip.....	N.S.	453 40
Redmondville.....	N.B.	31 80	River Phillip Centre.....	N.S.	79 95
Red Pheasant.....	Sask.	138 95	River Ryan.....	N.S.	86 50

aFor Revenue see under Regina Sub-Offices.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Riversdale.....	N.S.	269 50	Rocky Bay.....	N.S.	13 00
Riverside.....	N.S.	4 00	Rocky Brook.....	N.B.	35 02
Riverside Corner.....	N.S.	77 25	Rocky Mountain.....	N.S.	26 00
Riverstone.....	Sask.	58 50	Rocky Point.....	P.E.I.	50 00
Riverton.....	Alberta..	67 25	Rocky Point.....	B.C.	168 75
Riverview.....	N.B.	27 00	Rocky Rapids.....	Alberta.	37 96
Rivière à Claude.....	P.Q.	106 54	Rocky Ridge.....	N.S.	20 00
Rivière à la Marre.....	P.Q.	129 27	Rodéf (opened 15-5-17).....	Alberta.	17 10
Rivière à l'Ours.....	P.Q.	309 55	Roden.....	Man.	50 00
Rivière au Doré.....	P.Q.	252 44	Rodgers.....	Sask.	99 41
Rivière au Rat.....	P.Q.	139 50	Rodino.....	Alberta.	25 20
Rivière aux Chiens.....	P.Q.	71 04	Rodney.....	N.S.	111 90
Rivière aux Ecorces.....	P.Q.	10 00	Roe (opened 1-8-17).....	Sask.	72 08
Rivière aux Grames.....	P.Q.	59 70	Roeback.....	Ont.	47 50
Rivière aux Pins.....	P.Q.	65 00	Roe Lake.....	B.C.	79 50
Rivière Blanche, Portneuf.....	P.Q.	69 89	Rogerton.....	N.S.	27 25
Rivière Bonaventure.....	P.Q.	38 10	Rolling River (closed 1-6-17).....	Man.	5 00
Rivière Castor.....	Alberta..	27 50	Rollinson.....	Alberta..	14 00
Rivière des Caches.....	N.B.	109 70	Roman Valley.....	N.S.	30 52
Rivière des Plantes.....	P.Q.	24 50	Ronan.....	Alberta..	60 00
Rivière des Prairies.....	P.Q.	124 72	Rondeau.....	Ont.	51 96
Rivière des Prairies Ouest (closed 1-2-18).....	P.Q.	37 20	Rooney.....	P.Q.	62 04
Rivière des Roches.....	P.Q.	148 73	Roosville.....	B.C.	189 05
Rivière du Loup Wharf.....	P.Q.	66 09	Rooth Station.....	N.B.	45 91
Rivière du Milieu.....	P.Q.	55 49	Roros.....	Alberta.	15 50
Rivière Famine.....	P.Q.	53 00	Rosaireville.....	N.B.	56 00
Rivière Gagnon.....	P.Q.	23 00	Rose.....	N.S.	83 25
Rivière Gentilly.....	P.Q.	88 49	Rosebank.....	N.B.	55 00
Rivière Jaune.....	P.Q.	173 70	Rosebeg.....	Alberta..	100 35
Rivière la Fleur.....	P.Q.	33 50	Roseberry.....	B.C.	218 70
Rivière de la Madeleine.....	P.Q.	230 96	Rose Bridge.....	P.Q.	134 05
Rivière Mailloux.....	P.Q.	320 00	Roseburn.....	N.S.	19 00
Rivière Manie.....	P.Q.	250 25	Rosedale.....	N.S.	8 00
Rivière Maskinongé (closed 15-12-17).....	P.Q.	35 00	Rosedale (summer office).....	Ont.	200 00
Rivière Matamek.....	P.Q.		Roseglén.....	Alberta..	101 20
Rivière Mattawin.....	P.Q.	73 55	Rose Island.....	Ont.	65 10
Rivière Mékinac.....	P.Q.	154 17	Roselea.....	Alberta..	33 50
Rivière Metgermette North.....	P.Q.	76 21	Rose Lynn.....	Alberta..	114 38
Rivière Noire.....	P.Q.	75 05	Rosemeane.....	Sask.	50 55
Rivière Ouelle, Junction.....	P.Q.	144 00	Rosemere.....	P.Q.	220 60
Rivière Ouelle, Wharf.....	P.Q.	145 23	Rosenburg.....	Man.	55 00
Rivière Paspébiac.....	P.Q.	37 00	Rosenheim.....	Alberta..	104 25
Rivière St. André.....	P.Q.	56 70	Rosenort.....	Man.	165 95
Rivière St. Jean.....	P.Q.	96 70	Rosenthal.....	Ont.	61 68
Rivière Ste. Marguerite.....	P.Q.	123 77	Rose Point (summer office).....	Ont.	40 00
Rivulet.....	N.S.	27 50	Roseray.....	Sask.	29 00
Roach Vale.....	N.S.	31 00	Rose Vale.....	N.B.	54 00
Roadene.....	Sask.	67 00	Rose Valley (closed 1-11-17).....	Sask.	21 00
Roanmine.....	Sask.	38 50	Roseview.....	Sask.	96 00
Roberge.....	P.Q.	32 50	Roseville.....	Ont.	67 64
Roberta.....	N.S.	33 29	Rosewood.....	Man.	204 30
Roberts.....	Sask.	125 10	Rossall.....	Sask.	45 25
Robert's Creek.....	B.C.	155 60	Rossclair.....	Ont.	150 12
Robert's Island.....	N.S.	20 00	Ross Creek (closed 8-10-17).....	Alberta..	32 50
Robertson.....	N.B.	62 45	Rosseau Falls.....	Ont.	30 30
Roberville.....	N.B.	91 30	Ross Ferry.....	N.S.	85 00
Roberval Ouest.....	P.Q.	97 00	Rossfield.....	N.S.	10 00
Robichaud.....	N.B.	86 00	Rossington.....	Alberta..	238 65
Robins Range.....	B.C.	86 70	Rosslyn Village.....	Ont.	91 09
Robins.....	N.S.	21 25	Ross Mount.....	Ont.	111 70
Robinson's Corners.....	N.S.	111 86	Rossville (closed 1-12-17).....	N.B.	12 80
Robinsonville.....	N.B.	113 20	Rossway.....	N.S.	196 50
Rob Roy.....	Ont.	49 70	Rosswood (closed 1-8-17).....	B.C.	6 25
Rochefort.....	Ont.	65 50	Rostock.....	Ont.	231 63
Roché Plaine.....	Sask.	88 25	Rostrevar (summer office).....	Ont.	
Roché Plate.....	P.Q.	35 00	Rosyth.....	Alberta..	156 70
Rocher de la Chapelle.....	P.Q.	70 09	Rothbury.....	Sask.	23 50
Rocher Noir.....	P.Q.	65 00	Rothwell.....	N.B.	151 00
Rochester.....	Alberta..	472 03	Rouen (closed 23-11-17).....	Sask.	16 00
Rockerfort.....	Ont.	65 70	Rouge.....	Ont.	66 00
Rock Dell.....	Sask.	60 80	Rouge Valley.....	P.Q.	32 50
Rockford.....	Sask.	43 00	Rough Waters.....	N.B.	42 00
Rockhill (closed 31-1-18).....	Sask.	12 00	Round Bay.....	N.S.	69 20
Rockingham Station.....	N.S.	263 28	Round Island.....	N.S.	13 00
Rockland.....	N.S.	99 00	Round Lake.....	Ont.	37 00
Rock Mills.....	Ont.	159 95	Round Up.....	Alberta..	24 25
Rockmount (closed 21-8-17).....	P.Q.	17 95	Rousillon.....	P.Q.	23 00
Rockport.....	N.B.	85 70	Rousseau's Mills.....	P.Q.	47 95
Rock Springs.....	Ont.	282 65	Route Alfred.....	P.Q.	35 00
Rockville.....	N.S.	39 00	Rountnier.....	Ont.	110 72
Rockville.....	Ont.	46 30	Routherville.....	P.Q.	84 01
Rockway Valley.....	P.Q.	175 20	Routledge (closed 2-1-18).....	Man.	148 50
Rockwell Settlement.....	N.S.	96 26	Rowanton.....	P.Q.	184 00
Rockwynn (summer office).....	Ont.	30 00	Rowde.....	Alberta..	30 00
			Rowena.....	N.B.	35 80

Non-Accounting Post Offices—Continued.

Name of Post Office	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Rowington	Sask.	26 50	St. Antoine de Charlevoix	P.Q.	72 05
Rowland	Ont.	36 85	St. Antonin	P.Q.	233 02
Rowletta	Sask.	266 75	Ste. Apolline Station	P.Q.	95 03
Roxburgh	N.B.	22 00	St. Athanase (opened 8-12-17)	N.B.	12 00
Roxville	N.S.	36 50	Ste. Augustine	N.B.	21 25
Roy	B.C.	84 40	Ste. Augustine	Ont.	96 89
Roy	N.B.	45 90	St. Augustin, Saguenay	P.Q.	5 00
Royal Muskoka (summer office)	Ont.	3,199 35	Ste. Aurélie	P.Q.	194 70
Royal Road (closed 1-11-17)	N.B.	16 00	Ste. Barbe	P.Q.	111 50
Royal West Road (closed 1-11-17)	N.B.	5 00	St. Bazile Station	P.Q.	505 00
Roydale	Alberta.	87 58	St. Benjamin	P.Q.	365 11
Royston	Ont.	73 00	St. Benoit de Matapédia	P.Q.	220 25
Royston Station	B.C.	193 90	St. Bernard	N.S.	50 00
Rozilee	Sask.	134 25	Ste. Blainie	P.Q.	260 00
Ruby	Ont.	248 33	St. Bruno de Kamouraska	P.Q.	225 50
Ruby Creek	B.C.	120 05	St. Bruno Station	P.Q.	57 50
Ruby Mine	Ont.	17 20	St. Calixte Nord	P.Q.	35 00
Ruddington	Alberta.	14 50	St. Camille Station	P.Q.	327 44
Ruisseau Arbour	P.Q.	50 35	St. Cassien des Caps	P.Q.	25 00
Ruisseau Castor (closed 20-8-17)	P.Q.	5 00	Ste. Catherine River	N.S.	39 50
Ruisseau à l'Eau Chaude	P.Q.	58 40	Ste. Catherine Station	P.Q.	248 20
Ruisseau à Sem	P.Q.	36 10	Ste. Cécile de Lévrard	P.Q.	270 02
Ruisseau des Olives	P.Q.	50 31	St. Charles	Man.	183 95
Ruisseau Le Blanc	P.Q.	225 38	St. Charles de Montcalm	P.Q.	27 00
Ruisseau Michel	P.Q.	16 00	St. Charles Parish (closed 30-9-17)	Sask.	12 20
Ruisseau Plat	P.Q.	72 90	St. Claude Nord	P.Q.	80 20
Ruke Lake	Alberta.	29 70	St. Cléophas de Brandon	P.Q.	114 95
Rumpellville	P.Q.	21 63	Ste. Clothilde de Châteauguay	P.Q.	77 62
Runnymede	P.Q.	77 00	St. Columba	N.S.	17 00
Rusagornis	N.B.	154 26	St. Columbin	P.Q.	79 40
Rusagornis Station	N.B.	366 75	Ste. Croix	N.B.	61 80
Rushford	Sask.	25 00	Ste. Croix Cove	N.S.	70 60
Rush Point	Ont.	45 00	St. Cyr	P.Q.	229 70
Rushton (closed 19-12-17)	Sask.	58 40	St. Cyrille	P.Q.	190 00
Rushville	Sask.	29 00	St. Cyrille	N.B.	31 00
Russborough	Sask.	45 65	St. Damase de Thetford	P.Q.	49 70
Russeldale	Ont.	328 96	St. Damien	N.B.	46 00
Russelville	N.B.	77 40	St. Damien Station	P.Q.	88 79
Rustico	P.E.I.	224 05	St. Denis	Sask.	130 50
Rusticoville	P.E.I.	157 00	St. Dominique du Lac	P.Q.	21 00
Rusylvia	Alberta.	140 60	Ste. Dorothee	P.Q.	243 43
Ruth	Man.	89 05	St. Edmond de Stoneham	P.Q.	7 78
Rutter	Ont.	158 17	St. Edmond de Berthier	P.Q.	49 00
Ryantou	Man.	86 57	St. Edouard	Alberta.	29 40
Ryanville	P.Q.	28 85	St. Edouard de Frampton	P.Q.	60 50
Ryckman's Corners	Ont.	132 00	St. Edouard de Kent	N.B.	57 70
Rye	Ont.	50 70	St. Edouard de Maskinongé	P.Q.	33 25
Ryerson	Sask.	70 65	St. Eléonor's	P.E.I.	400 20
Ryland (opened 1-1-18)	Ont.	24 00	Ste. Elizabeth	Man.	219 00
St. Abdon	P.Q.	56 70	Ste. Elizabeth de Warwich	P.Q.	139 88
St. Adolphe	Man.	207 00	St. Eloi Station	P.Q.	181 29
St. Agapit Station	P.Q.	304 10	St. Elphège	P.Q.	158 23
St. Agatha	Ont.	243 21	St. Elzéar de Hara (closed 21-5-17)	P.Q.	11 50
St. Agnès de Charlevoix	P.Q.	111 88	St. Emite Junction (closed 1-7-17)	P.Q.	10 00
St. Agricole	P.Q.	20 25	St. Emile de Montcalm	P.Q.	114 00
St. Albert	P.Q.	223 30	St. Ephrem Station	P.Q.	215 00
St. Alexander Station	P.Q.	46 50	St. Esprit	N.S.	25 00
St. Alexis	P.Q.	48 25	St. Euphémie	P.Q.	351 81
St. Alexis Station	P.Q.	144 70	St. Eustache	Man.	244 00
St. Almo	N.B.	73 55	St. Fabien	N.B.	46 00
St. Alphonse	P.Q.	200 00	St. Félix	Ont.	65 50
St. Alphonse de Granby	P.Q.	139 40	St. Féréol	P.Q.	117 90
St. Amable	P.Q.	70 80	St. Fidèle	P.Q.	315 33
St. Amand	N.B.	20 00	Ste. Flavie	P.Q.	225 60
St. Amateur	N.B.	44 00	St. Francis Harbour	N.S.	85 63
St. Ambroise	Man.	162 10	St. François de Kent	N.B.	51 07
Ste. Amélie	Man.	462 20	St. François de Lévrard	P.Q.	30 64
St. Amédée	P.Q.	67 40	St. François d'Assise	P.Q.	96 10
Ste. Amédée de Péribonca	P.Q.	151 20	St. François d'Orléans	P.Q.	100 05
St. André de Madawaska	N.B.	273 95	Ste. Françoise	P.Q.	154 65
St. André de Shédiac	N.B.	75 00	St. François Station	P.Q.	80 00
St. André Station	P.Q.	57 50	St. François Xavier	Man.	312 60
St. Andrews	Man.	189 15	St. François Xavier de Viger	P.Q.	43 50
St. Andrews Channel	N.S.	19 00	St. Fulgence	P.Q.	195 02
Ste. Anne de la Pocatière Station	P.Q.	363 25	St. Gabriel de Kent	N.B.	46 21
Ste. Anne de Kent	N.B.	268 87	St. Géléon, Est.	P.Q.	79 00
Ste. Anne de Sorel	P.Q.	114 20	St. Géléon Station	P.Q.	377 00
Ste. Anne de Stukely	P.Q.	83 25	St. George	Man.	141 00
Ste. Anne du Lac (opened 1-11-17)	P.Q.	50 24	St. George de Malbaie	P.Q.	179 06
Ste. Ann's	N.S.	249 15	St. George's Channel	N.S.	70 51
Ste. Ann's	P.E.I.	33 50	St. Gilbert	P.Q.	151 10
St. Anselme	N.B.	52 00	St. Gilbert (closed 1-8-17)	P.E.I.	.....
St. Anthony Mine	Ont.	218 50	St. Grégoire	N.B.	50 00
St. Antoine	Sask.	83 00	Ste. Hélène de Chester	P.Q.	127 27
			Ste. Hélène de la Croix	P.Q.	42 00

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
St. Hélier.....	P.Q.	45 00	St. Ours Locks.....	P.Q.	210 83
St. Hilaire.....	N.B.	63 50	St. Pacôme Station.....	P.Q.	137 00
St. Hilaire de Dorset.....	P.Q.	62 71	St. Patrick.....	P.Q.	190 00
St. Hilaire du Lac Saint Jean.....	P.Q.	131 00	St. Patrick's Channel.....	N.S.	40 95
St. Hilarion du Lac.....	P.Q.	29 00	St. Paul de la Croix.....	P.Q.	206 49
St. Ignace.....	N.B.	105 50	St. Paul d'Industrie.....	P.Q.	251 00
St. Ignace de Loyola.....	P.Q.	100 00	St. Paul, Est.....	P.Q.	86 75
St. Ignace de Québec.....	P.Q.	26 45	St. Paul's Island (summer office).....	N.S.	51 70
St. Ignace du Lac.....	P.Q.	285 60	St. Paul Station.....	Ont.	395 70
St. Irénée les Bains.....	P.Q.	479 00	Ste. Pétronille.....	P.Q.	309 01
St. Isidore.....	N.B.	186 39	St. Perpétue Station.....	P.Q.	138 70
St. Isidore de Bellevue.....	Sask.	92 45	St. Philippe de Chester.....	P.Q.	65 35
St. Isidore de Gaspé.....	P.Q.	54 50	St. Philips.....	Sask.	24 20
St. Isidore Junction.....	P.Q.	68 97	St. Pie de Guire.....	P.Q.	239 25
St. Jean Baptiste.....	N.B.	104 00	St. Pierre.....	N.B.	63 35
St. Jean Port Joli Station.....	P.Q.	168 10	St. Pierre de Sorel (reopened 1-5-17).....	P.Q.	21 00
St. Joachim de Courval.....	P.Q.	105 00	St. Pierre de Wakefield.....	P.Q.	103 00
St. Joachim de Shefford.....	N.S.	301 80	St. Pierre d'Orleans.....	P.Q.	130 10
St. Joseph.....	N.S.	36 25	St. Polycarpe Junction.....	P.Q.	166 09
St. Joseph.....	Man.	125 35	St. Raymond.....	Man.	37 20
St. Joseph de Kent.....	N.B.	49 20	St. Regmond.....	N.B.	34 00
St. Joseph de Lépage.....	P.Q.	144 00	St. Rédempteur.....	P.Q.	119 95
St. Joseph de Mékinac.....	P.Q.	125 88	St. Régis.....	P.Q.	75 23
St. Joseph de Moine.....	N.S.	193 00	Ste. Rose.....	N.S.	40 00
St. Julien.....	Sask.	35 00	Ste. Rose de Watford.....	P.Q.	355 40
Ste. Julienne Station (closed 1-8-17).....	P.Q.	3 00	Ste. Rose Station (summer office, opened 1-7-17).....	P.Q.	21 35
St. Juste de Bretonnière.....	P.Q.	298 15	Ste. Rosette.....	N.B.	31 50
St. Kilda.....	Alberta.....	152 26	St. Rufine (closed 1-5-17).....	N.B.	.....
St. Labre.....	Man.	27 73	St. Sabine.....	P.Q.	131 92
St. Laurent Grandin.....	Sask.	34 00	St. Samuel de Horton.....	P.Q.	211 71
St. Lazare.....	N.B.	24 00	St. Samuel Station.....	P.Q.	132 50
St. Lazare de Vaudreuil.....	P.Q.	249 23	St. Sébastien Station.....	P.Q.	94 50
St. Lazare Station.....	P.Q.	76 00	St. Sévère.....	P.Q.	180 66
St. Léandre.....	P.Q.	202 40	St. Sévère Nord.....	P.Q.	21 67
St. Léandre Station.....	P.Q.	35 20	St. Sévère de Beauvillage.....	P.Q.	183 89
St. Léon.....	Man.	250 00	St. Simeon de Bonaventure.....	P.Q.	305 89
St. Léolin.....	N.B.	152 36	St. Sosime.....	N.B.	22 40
St. Léon, Hot Springs.....	B.C.	46 19	St. Sulpice.....	P.Q.	75 00
St. Léonard de Port Maurice.....	P.Q.	110 64	St. Sraphime.....	P.Q.	63 00
St. Liguori.....	P.Q.	279 35	St. Switlin.....	Sask.	26 15
St. Lina.....	Alberta.....	232 59	St. Térésa.....	P.E.I.	86 50
St. Louis de Bagot.....	P.Q.	36 31	St. Térésa West.....	P.E.I.	12 00
St. Louis de Bonsecours.....	P.Q.	204 25	Ste. Théologie.....	P.Q.	142 20
St. Louis de Champlain.....	P.Q.	160 00	St. Théodule.....	N.B.	18 00
St. Louis-Nazaire.....	P.Q.	181 50	St. Théophile.....	P.Q.	312 00
St. Luc.....	N.B.	34 40	St. Thomas d'Aquin.....	P.Q.	254 00
St. Luc.....	P.Q.	108 58	St. Thomas de Caxton.....	P.Q.	31 00
St. Luc de Matane.....	P.Q.	264 73	St. Thomas de Kent.....	N.B.	74 70
St. Luik.....	Sask.	29 00	St. Thomas de Soulanges.....	P.Q.	37 00
St. Lucien.....	P.Q.	302 60	St. Thuriibe.....	P.Q.	214 53
St. Marie.....	P.Q.	220 09	St. Valère de Bulstrode.....	P.Q.	209 58
St. Malachie Station.....	P.Q.	624 29	St. Valérien de Rimouski.....	P.Q.	257 80
St. Malo.....	Man.	309 55	St. Victor Station.....	P.Q.	189 72
St. Marcel de L'Islet.....	P.Q.	282 36	St. Vital.....	Man.	265 50
St. Marcellin.....	P.Q.	28 72	St. Yvon.....	P.Q.	144 33
Ste. Marguerite Bay Mill.....	P.Q.	197 15	Sable River.....	N.S.	207 43
Ste. Marguerite Station.....	P.Q.	212 29	Sable River, West.....	N.S.	371 75
Ste. Marie de Blandford.....	P.Q.	192 59	Sacré Coeur de Marie.....	P.Q.	171 56
Ste. Marie de Charlevoix.....	P.Q.	16 09	Sacré l'Heart.....	Alberta.....	115 04
St. Margaret Village.....	N.S.	58 70	Saddle Lake.....	Alberta.....	108 70
Ste. Marie Salomé.....	P.Q.	302 05	Sadowa.....	Ont.	94 50
St. Marks.....	Man.	151 75	Sagathun.....	Sask.	49 00
St. Martins Station.....	Man.	315 55	Sage Creek.....	Alberta.....	25 00
St. Mary's East.....	N.S.	23 00	Sahamatién.....	Ont.	26 50
St. Marys of Ely.....	P.Q.	58 50	Saint Front.....	Sask.	28 15
St. Marys River.....	N.S.	46 00	Saint Olivier.....	N.B.	19 50
St. Marys Road.....	P.E.I.	319 05	Saints Anges.....	P.Q.	278 52
St. Mathias.....	P.Q.	141 20	Sabalberry.....	P.Q.	57 00
St. Mathieu.....	P.Q.	359 00	Salem.....	Ont.	406 14
St. Maure.....	N.B.	31 00	Salem.....	N.S.	274 00
St. Maurice.....	N.B.	45 00	Salem Road.....	N.S.	31 70
St. Maxime.....	P.Q.	204 35	Salford.....	Ont.	315 80
St. Michel de Rougemont.....	P.Q.	356 98	Salina.....	N.B.	28 50
St. Michel de Wentworth.....	P.Q.	33 75	Saline Creek.....	Sask.	27 00
St. Michel Station.....	P.Q.	111 00	Salines (closed 1-9-17).....	Ont.	107 00
Ste. Modeste.....	P.Q.	186 60	Salkeld.....	N.B.	55 50
St. Moise.....	P.Q.	311 09	Salmon Bay.....	P.Q.	44 70
St. Nazaire de Buckland.....	P.Q.	113 50	Salmondale.....	N.B.	50 00
St. Nérée.....	P.Q.	247 50	Salmon Harbour.....	N.B.	39 00
St. Nérée Station.....	P.Q.	30 00	Salmon River.....	N.B.	241 80
St. Nicholas, Est.....	P.Q.	37 70	Salmon River.....	N.S.	36 00
St. Norbert.....	N.B.	24 25	Salmon River Bridge.....	N.S.	91 69
St. Ola.....	Ont.	253 79	Salmon River Road.....	N.S.	19 65
St. Onésime.....	P.Q.	93 64	Salmon River Lake.....	N.S.	10 00
St. Ouens.....	Man.	170 95			

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Salthurn.....	Sask.	106 95	Scotch Ridge.....	N.B.	60 80
Saltaux.....	Alberta.	60 50	Scotch Road.....	P.Q.	10 00
Saltel.....	Man.	41 16	Scotch Settlement.....	N.B.	60 00
Salter.....	Sask.	119 05	Scotfield.....	Alberta.	245 40
Salt Springs.....	N.B.	135 20	Scotia.....	Ont.	347 62
Salt Springs, Antigonish.....	N.S.	33 00	Scotland Farm.....	Man.	47 99
Salt Springs, Pictou.....	N.S.	194 73	Scott Mills.....	N.B.	58 70
Salt Springs Station.....	N.S.	54 31	Scott Road.....	N.B.	24 00
Sambro.....	N.S.	420 65	Scott's Bay.....	N.S.	328 62
Samburg.....	Sask.	48 00	Scott Siding.....	N.B.	106 09
Samsonton.....	Alberta.	233 00	Scottsdale.....	Alberta.	42 40
Samson.....	P.Q.	24 70	Scout Lake.....	Sask.	55 89
Samsonville.....	N.S.	42 45	Scribner.....	N.B.	27 00
Sandborn.....	P.Q.	42 00	Scrip.....	Sask.	46 50
Sand Banks.....	Ont.	20 00	Scroggie Creek.....	Yukon.	36 00
Sand Bay (closed 15-9-17).....	Ont.	18 00	Scudder.....	Ont.	487 55
Sand Beach.....	N.S.	19 00	Scugog.....	Ont.	102 16
Sandfield.....	Ont.	137 40	Scubright.....	N.S.	185 02
Sandford.....	Ont.	259 80	Scubrook.....	N.S.	31 00
Sandford Dene.....	Sask.	267 95	Sea Cow Pond.....	P.E.I.	20 00
Sand Hill.....	P.Q.	59 00	Sea Dog Cove.....	N.B.	26 85
Sandilands.....	Man.	125 20	Seafoam (closed 1-5-17).....	N.S.	
Sand Lake.....	Ont.	89 70	Seafoam, East (closed 1-15-17).....	N.S.	
Sandown.....	Ont.	109 15	Seaford (opened 1-1-17).....	B.C.	37 31
Sandspit.....	B.C.	44 71	Seaforth.....	N.S.	123 00
Sand Point.....	N.S.	90 60	Sea Gull.....	Ont.	41 60
Sand Point Road.....	N.B.	4 50	Seal.....	Alberta.	34 50
Sandridge.....	Man.	214 45	Seal Cove.....	P.Q.	89 25
Sandringham.....	Ont.	96 30	Seal Harbour.....	N.S.	92 15
Sand River.....	N.S.	57 05	Seal Island.....	N.S.	129 02
Sandstone.....	Alberta.	95 35	Seamo.....	Man.	29 50
Sandville.....	N.S.	89 10	Sea Otter Cove.....	B.C.	32 00
Sandwith.....	Sask.	118 00	Sea Side.....	N.B.	67 74
Sandy Creek.....	P.Q.	51 00	Seaview.....	N.S.	76 00
Sandy Beach Centre.....	P.Q.	214 97	Sea View.....	P.E.I.	360 86
Sandy Hook.....	Man.	50 25	Seba Beach.....	Alberta.	158 00
Sandy Point (summer office).....	Ont.	128 00	Sechart.....	B.C.	88 85
Sangster.....	Ont.	21 00	Second Falls.....	N.B.	194 11
San Josef Bay.....	B.C.	63 00	Second Peninsula.....	N.S.	15 00
Sans Souci (summer office).....	Ont.	256 00	Secrean.....	Sask.	327 00
Sarrail.....	Alberta.	17 00	Secret Cove (closed 1-6-17).....	B.C.	14 00
Sarcee Butte (closed 11-2-18).....	Alberta.	54 00	Secdalia.....	Alberta.	636 47
Sargent.....	N.B.	17 00	Seebe.....	Alberta.	199 90
Sartigan.....	P.Q.	24 05	Seech.....	Man.	36 25
Sarto.....	Man.	31 00	Seely.....	Ont.	49 70
Sarty's.....	N.S.	48 00	Sefferensville.....	N.S.	45 75
Saskahta.....	Alberta.	24 00	Setkirk Road.....	P.E.I.	48 00
Saskatoon Sub-office 3.....	Sask.	a	Setllars.....	Ont.	101 00
Saturna.....	B.C.	200 90	Setlarville.....	P.Q.	98 39
Sault Ste. Marie Station.....	N.S.	136 50	Setlmah.....	N.S.	286 63
Sault à la Puce.....	P.Q.	54 73	Setlwood.....	N.B.	48 53
Sault au Mouton.....	P.Q.	264 00	Setwyn.....	Ont.	71 00
Sault St. Lin.....	P.Q.	113 70	Setmivagan Ridge.....	N.B.	44 00
Sault Ste. Marie, Sub-office No. 1 (opened 1-6-17).....	Ont.	c	Setnkiw.....	Man.	39 05
Savanne.....	Ont.	260 85	Setneville.....	P.Q.	196 20
Savary Island.....	B.C.	133 95	Septième Lac (summer office) opened 1-8-17).....	P.Q.	19 00
Savoie.....	P.Q.	18 00	Setrath.....	Sask.	29 50
Savoy.....	N.B.	73 50	Setsikimika Lake.....	Ont.	374 87
Savoy Landing.....	N.B.	34 00	Seton Lake.....	B.C.	86 70
Sawdy.....	Alberta.	28 50	Seven Lakes.....	B.C.	52 00
Sawyer.....	Sask.	22 64	Setvigny.....	P.Q.	58 50
Saxby.....	Sask.	33 00	Setvogel.....	N.B.	42 00
Seadouc.....	N.B.	55 00	Setwell (opened 1-8-17).....	B.C.	45 83
Seanterbury.....	Man.	18 00	Setwell Brook.....	N.B.	26 68
Scarf (closed 1-1-18).....	B.C.	74 75	Setwellville.....	N.B.	40 00
Scarsdale.....	N.S.	64 60	Setymour.....	Alberta.	103 40
Scarth.....	Man.	159 55	Shad Bay.....	N.S.	42 00
Scatarie Island.....	N.S.	68 20	Shady Grove.....	Sask.	9 61
Schooner Passage (summer office).....	B.C.	97 50	Shatesbury.....	Alberta.	16 00
Schmidt.....	Sask.	136 95	Shalka.....	Alberta.	30 00
Schuler.....	Alberta.	517 70	Shamrock Valley.....	Alberta.	6 00
Schutt.....	Ont.	114 79	Shanawan.....	Man.	210 00
Schwartz.....	P.Q.	69 50	Shand.....	Sask.	144 00
Schyan.....	P.Q.	181 00	Shandleigh (closed 1-11-17).....	Alberta.	28 85
Science Hill.....	Ont.	172 20	Shanick.....	Ont.	36 03
Sclater.....	Man.	223 58	Shankin.....	N.B.	25 10
Scoble, West.....	Ont.	84 00	Shannon.....	P.Q.	17 30
Scollard.....	Alberta.	451 50	Shannon.....	N.B.	215 60
Scotch Bay.....	Man.	114 24	Shannonvale.....	N.B.	50 00
Scotch Hill.....	N.S.	5 00	Sharp (closed 1-11-17).....	N.B.	13 00
Scotch Hill, East.....	N.S.	18 50	Sharp Corners.....	Ont.	60 80
Scotch Lake.....	N.S.	69 60	Sharpwood.....	Man.	68 20

a For Revenue see under Sask. Sub-Offices.

b Reopened 1-5-17, closed 1-1-18.

c For Revenue see under Sault Ste. Marie Sub-Office.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Shawanaga.....	Ont.	163 66	Six Portages.....	P.Q.	69 70
Shaw Brook.....	N.B.	6 00	Six Roads.....	N.B.	109 25
Sheatown.....	Ont.	27 00	Sixty-nine Corners.....	Ont.	56 01
Sheba.....	N.B.	50 25	Skalholt (closed 1-1-17).....	Man.	7 00
Shebeshkong.....	Ont.	77 90	Skaro.....	Alberta...	93 37
Shediac Bridge.....	N.B.	242 85	Skerryvore (summer office).....	Ont.	140 00
Shediac Island.....	N.B.	25 00	Skibo.....	Ont.	31'10
Shediac Road.....	N.B.	60 00	Skibbereen.....	Sask.	12 00
Sheerness.....	Alberta.	299 01	Skidgate.....	B.C.	134 85
Sheerway.....	P.Q.	25 00	Skipton (closed 4-1-18).....	Sask.	68 25
Sheet Harbour Road.....	N.S.	62 25	Skir Dhu.....	N.S.	32 85
Sheet Harbour Passage.....	N.S.	120 00	Skookumchuck.....	B.C.	62 40
Sheffield Mills Station.....	N.S.	317 16	Skull Creek.....	Sask.	71 00
Sheffield Mills.....	N.S.	345 20	Sky Glen.....	N.S.	55 60
Sheila.....	N.B.	280 30	Skye Glen East.....	N.S.	19 00
Shekatika Bay (opened 1-8-17).....	P.Q.	15 00	Skylake.....	Man.	29 20
Sheldrake.....	P.Q.	33 05	Sky Mountain.....	N.S.	5 00
Shell Lake.....	Sask.	120 75	Slate Falls.....	Ont.	56 02
Shelk River.....	Sask.	160 00	Slate River Valley.....	Man.	175 85
Shelter Bay.....	P.Q.	35 00	Slateville.....	N.S.	28 00
Shenley, East.....	P.Q.	62 00	Slawa.....	Alberta...	24 25
Shenley, Nord.....	P.Q.	10 00	Sletten.....	Sask.	36 75
Shenston.....	Ont.	73 50	Slocan Park.....	B.C.	82 35
Shepente.....	Alberta.	20 00	Sluice Point.....	N.S.	172 15
Shepody Road.....	N.B.	13 00	Smithburg.....	Sask.	24 00
Sheppardton.....	Ont.	169 25	Smithfield.....	N.S.	37 00
Sheridan.....	Ont.	208 00	Smith Hill.....	Man.	71 50
Shergrove.....	Man.	111 60	Smith's.....	N.B.	141 00
Sherwood.....	Ont.	45 50	Smith's Corner.....	N.B.	58 20
Shigawake East (opened 3-5-17).....	P.Q.	212 92	Smith Settlement.....	N.S.	82 00
Shillington.....	Ont.	135 00	Smith Town.....	N.B.	74 62
Shillingthorpe.....	Sask.	12 00	Smithsville.....	N.S.	132 20
Shingle Creek (closed 15-7-17).....	B.C.	4 00	Smoky Lake.....	Alberta...	318 00
Shiming Bank.....	Alberta.	53 50	Snell.....	N.B.	28 21
Shinnieburn.....	N.B.	8 00	Sniatyn.....	Alberta...	439 50
Ship Harbour Lake.....	N.S.	232 70	Snider Mountain.....	N.B.	67 90
Shippigan Gulley.....	N.B.	24 20	Snipe Lake (opened 15-9-17).....	Sask.	75 00
Shippigan Island.....	N.B.	119 05	Snow Road Station.....	Ont.	365 28
Shirley.....	B.C.	41 70	Snowville.....	Ont.	69 54
Shirley Creek.....	Alberta.	9 00	Soapstone Mine.....	N.S.	36 00
Shoalbred.....	P.Q.	156 20	Sober Island.....	N.S.	146 00
Shooter Hill.....	Sask.	39 50	Social Plains.....	Alberta...	42 50
Shoreacres.....	B.C.	168 02	Socrates.....	Sask.	113 50
Short Beach.....	N.S.	120 20	Soda Creek.....	B.C.	304 47
Shortdale.....	Man.	189 80	Soda Lake.....	Alberta...	308 57
Shrewsbury.....	P.Q.	39 20	Sokal.....	Sask.	43 00
Shulie.....	N.S.	364 27	Solberg.....	Alberta...	57 68
Shunacadie.....	N.S.	214 45	Soldier's Cove.....	N.S.	101 10
Shushartie.....	B.C.	93 35	Solomon.....	P.Q.	61 10
Sidcup.....	Alberta.	59 20	Solsqua.....	B.C.	257 10
Sidview.....	Alberta.	40 00	Somier.....	N.S.	39 50
Sidney Inlet (opened 1-5-17).....	B.C.	180 75	Sommingdale.....	Sask.	485 49
Sibertville (closed 27-12-17).....	Alberta.	34 25	Soperton.....	Ont.	264 20
Signlunes.....	Man.	46 25	Sopoff.....	Sask.	40 00
Sight Point.....	N.S.	6 00	Sorrento.....	B.C.	406 70
Silcote.....	Ont.	95 79	Sounding Lake.....	Alberta...	46 50
Silicia Lake.....	N.S.	35 00	Sourisford.....	Man.	68 70
Sillikers.....	N.B.	82 51	Souris Valley (reopened 1-7-17).....	Sask.	58 25
Siloam.....	Ont.	81 50	South.....	N.S.	85 40
Silver Bay.....	Man.	22 00	South Alton.....	N.S.	60 00
Silver Grove.....	Sask.	89 45	South Bar of Sydney River.....	N.S.	67 50
Silver Hill.....	Ont.	182 00	South Bathurst.....	N.B.	210 00
Silver Isle (summer office).....	Ont.		South Bay.....	N.B.	67 00
Silver Lake.....	Ont.	59 98	South Bay.....	N.S.	162 80
Silver Mountain.....	Ont.	190 52	South Bay Mouth.....	Ont.	157 55
Silver Mine.....	N.S.	25 65	South Beach.....	P.Q.	47 50
Silver Park.....	Sask.	43 01	South Branch.....	N.S.	92 80
Silver Ridge (opened 1-8-17).....	Man.	24 86	South Branch.....	N.B.	46 05
Silver Springs.....	Sask.	25 45	South Brook (closed 30-6-17).....	N.S.	
Silver Stream.....	Sask.	134 27	South Bulkley.....	B.C.	145 80
Silver Valley.....	B.C.	46 20	South Caman.....	N.S.	23 40
Simard.....	P.Q.	38 75	South Clones.....	N.B.	63 00
Simcoe Island.....	Ont.	41 00	South Cove.....	N.S.	64 36
Similkameen.....	B.C.	145 60	South Dudswell.....	P.Q.	45 05
Simons Valley.....	Alberta.	29 24	South East Passage.....	N.S.	68 00
Simpson Corner.....	N.S.	131 10	South Esk.....	N.B.	40 18
Simpson's Pitt.....	Ont.	51 90	South Ferryby.....	Alberta...	40 00
Singleton.....	Ont.	336 35	Southfield.....	N.B.	55 00
Sinnett.....	Sask.	32 00	South Gillies.....	Ont.	107 81
Sirko.....	Man.	45 54	South Greenwood.....	N.S.	34 75
Sirdar.....	B.C.	277 44	South Harbour.....	N.S.	34 00
Sissiboo Falls.....	N.S.	21 02	South Harmony.....	N.S.	11 01
Sisson Ridge.....	N.B.	68 05	South Highlands.....	N.S.	6 00
Six Mile Creek.....	B.C.	193 72	South Ingonish Harbour.....	N.S.	40 19
Six Nations.....	Ont.	79 00	South Johnville.....	N.B.	22 60

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
South Junction.....	Man.	237 20	Springville.....	N. S.	207 63
South Lanester.....	Ont.	330 07	St. proat.....	B. C.	68 50
South Lochaber.....	N. S.	55 20	St.roule Settlement.....	N. B.	5 50
Southmag (summer office).....	Ont.	15 00	St. pruce Creek.....	Man.	32 25
South Manchester.....	N. S.	24 75	St. prucefield.....	Alberta...	65 25
South McLellan's Mountain.....	N. S.	22 05	St. pruce Home (closed 31-8-17).....	Sask.	5 00
South Melfort.....	Sask.	69 20	St. pruce Hedge.....	Ont.	28 90
South Milford.....	N. S.	172 10	St. pruy Harbour.....	N. S.	222 00
Southminster.....	Sask.	23 90	St. purgrave.....	Man.	83 30
South Minto.....	N. B.	589 12	St. square Hill.....	Sask.	38 02
South Merland.....	N. S.	13 00	St. quattek.....	P. Q.	108 50
South Nelson Road.....	N. B.	92 00	St. quilax.....	B. C.	170 15
South Pender.....	B. C.	130 85	St. quirell Cove.....	B. C.	86 74
Southport.....	P. E. I.	230 40	St. tagsburn.....	P. Q.	39 70
South Port Mann.....	B. C.	27 95	St. tainsleigh.....	Alberta...	44 01
South Port Morien.....	N. S.	44 50	St. tandard Hill.....	Sask.	20 60
South Range.....	N. S.	83 65	St. tand Off.....	Alberta...	142 50
South Rawdon.....	N. S.	206 00	St. tanger.....	Alberta...	127 70
South Rhodena.....	N. S.	16 20	St. tanhope.....	P. Q.	166 50
South River.....	N. B.	78 70	St. tanhope.....	P. E. I.	159 95
South River Bourgeoise.....	N. S.	63 04	St. tanley.....	Ont.	205 50
South River Lake.....	N. S.	73 50	St. tanley House (summer office).....	Ont.	49 00
South St. Norbert.....	N. B.	44 90	St. tanley Section.....	N. S.	44 00
South Salt Springs.....	N. S.	6 00	St. tanleyville.....	Ont.	35 20
South Side Basin of River Dennis.....	N. S.	118 50	St. tanwoods Beach (summer office).....	N. S.	48 00
South Side of Baddeck River.....	N. S.	54 26	St. taphelhurst.....	Alberta...	102 75
South Side of Bouladerie.....	N. S.	53 50	St. taphleby.....	B. C.	60 45
South Star.....	Sask.	28 00	St. tapolis Brook.....	N. S.	35 10
South Tatamagouche.....	N. S.	20 00	St. tar.....	Alberta...	66 05
South Tilly.....	N. B.	61 20	St. tarblanket.....	Sask.	45 50
South Touchwood.....	Sask.	25 00	St. tarkeys.....	N. B.	105 75
South Tremont.....	N. S.	15 00	St. tarkville.....	Ont.	65 20
South Unjacket.....	N. S.	100 75	St. tarnesborough.....	P. Q.	183 20
South Vale.....	N. S.	34 50	St. tarrat.....	Ont.	48 25
South Valley.....	Sask.	61 50	St. tarview.....	Sask.	61 00
South Victoria.....	N. S.	48 00	St. tation Bilodeau.....	P. Q.	83 04
Southview.....	Sask.	58 70	St. tauffer.....	Alberta...	161 35
Southville.....	N. S.	52 00	St. taunton (closed 22-12-17).....	Alberta...	23 50
South Waterville.....	N. B.	18 25	St. taverl.....	Ont.	42 40
South West, Lot 16.....	P. E. I.	14 10	St. taylor Hall.....	Sask.	133 00
South West Mabou.....	N. S.	35 00	St. team Mill Village.....	N. S.	77 00
South West Margaree.....	N. S.	189 01	St. teeledale.....	Sask.	17 60
South West Point.....	P. Q.	10 40	St. teeles Lake.....	N. S.	9 00
South West Port Hood.....	N. S.	58 25	St. teelhead.....	B. C.	72 50
South West Port Mouton.....	N. S.	186 05	St. teelman.....	Sask.	21 83
South West Ridge.....	N. S.	24 00	St. teenburg.....	Ont.	191 10
Southwold Station.....	Ont.	509 59	St. teep Creek.....	Sask.	20 20
Southwood.....	Ont.	69 70	St. teep Creek.....	N. S.	49 00
Sowerby.....	Ont.	269 44	St. teep Rock.....	Man.	383 40
Spanish Ship Bay.....	N. S.	154 85	St. teeves Mountain.....	N. B.	70 60
Spapley Creek.....	P. Q.	34 00	St. teeves Settlement.....	N. B.	49 60
Spa Springs.....	N. S.	80 55	St. teleam.....	Sask.	81 00
Spearhill.....	Man.	143 45	St. tellaco.....	B. C.	134 20
Speddington.....	Sask.	64 53	St. tenson.....	P. Q.	239 40
Spence.....	Ont.	72 42	St. terlingville.....	Alberta...	234 00
Spencer's Island.....	N. S.	422 62	St. tetten.....	Alberta...	27 45
Spennymoor.....	Alberta...	25 60	St.ewart Lake.....	Man.	13 25
Speyer (closed 1-8-17).....	Sask.	9 00	St.ewart Valley.....	Sask.	155 60
Spiddle Hill.....	N. S.	20 08	St.ewartdale.....	N. S.	4 00
Spiller River (closed 1-8-17).....	B. C.		St.ewarton.....	N. B.	68 75
Spinney Hill.....	Sask.	176 00	St.ewart River.....	Yukon...	37 20
Spirit Lake (reopened 1-5-17).....	P. Q.	90 00	St. ewiacke Cross Roads.....	N. S.	239 97
Spooner.....	Sask.	69 09	St. ickney.....	N. B.	260 00
Sporrán.....	Sask.	21 75	St. iles Village.....	N. B.	33 00
Spring Bank.....	Alberta...	85 75	St. ili Water.....	N. S.	97 00
Spring Bay.....	Ont.	247 00	St. illwater.....	B. C.	422 54
Springbourne.....	Sask.	46 25	St. irling.....	N. S.	58 25
Springbrook.....	P. Q.	69 38	St. irling Brook.....	N. S.	48 00
Spring Coulée.....	Alberta...	779 90	St. irling Falls.....	Ont.	71 05
Spring Creek.....	Sask.	87 35	St. ocks.....	Alberta...	139 30
Spring Creek.....	Ont.	26 00	St. oddarts.....	N. S.	24 00
Springdale.....	N. S.	31 32	St. okeville.....	Alberta...	19 20
Springdale.....	Alberta...	123 70	St. one.....	Sask.	249 25
Springfield.....	Man.	170 86	St. oneham.....	P. Q.	108 12
Springfield Park (opened 20-12-17).....	P. Q.	21 50	St. onehenge.....	Sask.	78 75
Spring Grove.....	Sask.	69 00	St. onehurst.....	N. S.	80 15
Springhaven.....	N. S.	174 59	St. onelew.....	Alberta...	167 50
Springhouse.....	B. C.	59 70	St. oneleigh.....	Ont.	68 25
Springhurst.....	Man.	100 20	St. one Ridge.....	N. B.	70 93
Spring Lake.....	Alberta...	79 25	St. ony Creek.....	N. B.	35 00
Springpark.....	Alberta...	6 50	St. ony Hill.....	Man.	30 20
Spring Point.....	Alberta...	53 78	St. ony Island.....	N. S.	230 75
Springridge.....	Alberta...	95 00	St. oneyrovd (closed 1-1-18).....	Sask.	12 11
Springstein.....	Man.	61 20	St. ony Lake.....	Sask.	180 52
Springtown.....	Ont.	32 50	St. onyview.....	Sask.	17 00

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Storie.....	Ont.....	32 75	Swift Creek, late Cranberry Lake (1-1-18).....	B.C.....	239 00
Stormont.....	N.S.....	123 06	Sybots.....	Sask.....	56 80
Storthooks.....	Sask.....	497 23	Sydney Forks.....	N.S.....	76 86
Stowlea.....	Sask.....	15 00	Sydney River.....	N.S.....	214 55
Strachan, late Vetchland (1-4-17).....	Alberta.....	44 70	Sylvan.....	Man.....	62 40
Straiton.....	B.C.....	236 30	Sylvan Valley.....	Ont.....	113 37
Strand.....	Sask.....	30 56	Sylvan Valley.....	N.S.....	28 00
Standby (closed 1-5-17).....	B.C.....	3 00	Sylvania.....	Sask.....	20 45
Strange.....	Ont.....	206 54	Synton.....	N.B.....	13 00
Strangfield.....	Ont.....	73 95	Sypher's Cove (closed 1-11-17).....	N.B.....	13 00
Strathadam.....	N.B.....	106 00	Syringa Creek.....	B.C.....	67 05
Strathewen.....	Man.....	20 25			
Strawberry Hill.....	B.C.....	157 65	Tache Station.....	Ont.....	34 50
Streets Ridge.....	N.S.....	31 00	Talon.....	P.Q.....	39 50
Streamstown.....	Alberta.....	121 00	Takusk Harbour.....	B.C.....	94 70
Strickland (opened 10-9-17).....	Ont.....	21 25	Tam.....	Ont.....	20 80
Strong Pine.....	Sask.....	63 50	Talbot.....	Alberta.....	171 15
Struan.....	Sask.....	27 00	Talbotville Royal.....	Ont.....	312 37
Stry.....	Alberta.....	118 85	Tamaracouta (summer office).....	P.Q.....	61 00
Stubb's Bay.....	P.Q.....	136 84	Tambling's Corners.....	Ont.....	a
Stump Lake.....	B.C.....	87 00	Taneredia.....	P.Q.....	159 48
Sturdee.....	Sask.....	19 10	Tangleflags.....	Sask.....	63 20
Sturgeon Bay.....	Ont.....	85 00	Tanglefoot.....	B.C.....	220 00
Sturgeon Creek.....	Man.....	271 59	Tankville.....	N.B.....	21 01
Sturgeon Point (summer office).....	Ont.....	581 00	Tansley.....	Ont.....	115 55
Sturgeon River.....	Sask.....	71 20	Tantallon.....	N.S.....	156 00
Sturgeon Valley.....	Sask.....	179 15	Tarbot.....	N.S.....	58 00
Sturgeonville.....	Alberta.....	49 40	Tarbotvale.....	N.S.....	54 00
Sucker Lake.....	Ont.....	67 35	Tarentorus.....	Ont.....	186 19
Sudbury Jet.....	Ont.....	24 15	Tarrys.....	B.C.....	132 00
Suffolk Station.....	P.E.I.....	17 00	Tartigon.....	P.Q.....	139 00
Suffren.....	Man.....	112 91	Tarves.....	Alberta.....	31 02
Sugar Camp.....	N.S.....	27 02	Tashota.....	Ont.....	181 10
Sugar Loaf.....	N.S.....	48 00	Tatamagouche Mountain.....	N.S.....	56 20
Sugden.....	Alberta.....	38 50	Tatehurst.....	P.Q.....	137 45
Sulivan Lake.....	Alberta.....	189 00	Tatla Lake.....	B.C.....	37 75
Sulphur Springs.....	Alberta.....	175 90	Tatlock.....	Ont.....	37 97
Sulphur.....	Yukon.....	24 70	Taunton.....	Ont.....	127 50
Sumnercove.....	Sask.....	125 38	Taylorboro.....	Sask.....	34 50
Sumner Hill.....	N.B.....	134 84	Taylor's Head.....	N.S.....	18 40
Summerteau.....	P.Q.....	30 75	Taylor'side.....	Sask.....	68 02
Sumnerview.....	Alberta.....	39 50	Taylor Village.....	N.B.....	63 36
Sumnerville.....	Ont.....	160 60	Taylorville.....	Alberta.....	307 50
Sumnerville.....	P.E.I.....	138 40	Tay Settlement (closed 1-7-19).....	N.B.....	16 20
Sumnerville Centre.....	N.S.....	84 06	Teddington (closed 1-1-18, reopened 1-3-18).....	Sask.....	50 20
aSummit Lake.....	B.C.....	81 30	Tepee.....	Sask.....	62 00
Sunbeam.....	Alberta.....	17 75	Teeterville.....	Ont.....	311 47
Sundown.....	Man.....	159 20	Telegraph Creek.....	B.C.....	205 80
Sundre.....	Alberta.....	337 22	Telford.....	N.S.....	9 00
Sundridge (closed 1-5-17).....	N.S.....		Temperance Vale.....	N.B.....	37 48
Sunibend.....	Alberta.....	65 00	Tenby.....	Man.....	205 13
Sunkist.....	Sask.....	178 15	Tenby Bay.....	Ont.....	78 00
Suntand.....	Alberta.....	47 50	Tenecepe.....	N.S.....	84 70
Sunny Bank.....	P.Q.....	175 00	Ton Mile Creek.....	N.B.....	54 85
Sunnybrook.....	Alberta.....	26 30	Tennex.....	Sask.....	38 25
Sunnycorner.....	N.B.....	265 24	Terrence.....	Man.....	334 45
Sunnydale.....	Alberta.....	62 88	Terrence Bay.....	N.S.....	122 88
Sunny Isle.....	Sask.....	17 70	Terra Nova.....	Ont.....	167 00
Sunnynead.....	Sask.....	59 00	Terra Nova.....	N.S.....	40 00
Sunnyook.....	Alberta.....	310 76	Teslin.....	Yukon.....	37 50
Sunnyside.....	N.B.....	55 25	Teston.....	Ont.....	62 70
Sunnywold.....	B.C.....	19 00	Tête la Baleine.....	P.Q.....	3 00
Sunrise.....	N.S.....	16 00	Tête Jaune Cache (late Henningville 1-7-17).....	B.C.....	112 58
Sunset Cape North.....	N.S.....	32 51	Tetreaultville.....	P.Q.....	b
Sunville.....	Man.....	16 00	Tewkesbury.....	P.Q.....	18 00
Superior Junction.....	Ont.....	218 00	Tezarton.....	Sask.....	12 00
Surge Narrows.....	B.C.....	49 70	Thalberg.....	Man.....	108 00
Surprise.....	Sask.....	23 00	The Beach (closed 9-11-17).....	B.C.....	167 32
Suretteville.....	N.B.....	15 01	The Bluffs.....	N.B.....	34 65
Surrey.....	N.B.....	420 65	The Cottages (summer office).....	Ont.....	35 00
Sussex Military Camp.....	N.B.....		The Falls.....	N.S.....	153 75
Sussex Corner.....	N.B.....	950 00	The Glades.....	N.B.....	48 00
Suquash.....	B.C.....	5 00	The Halfway.....	Man.....	37 20
Sutherland's River.....	N.S.....	41 15	The Hawk.....	N.S.....	108 00
Sutton.....	N.B.....	138 90	Thelma.....	Alberta.....	413 55
Sutton Bay.....	Ont.....	44 00	The Lodge.....	N.S.....	34 25
Swansburg.....	N.S.....	128 50	The Manor (closed 1-6-17).....	N.B.....	3 00
Swanmell.....	Sask.....	12 60	The Narrows.....	Man.....	61 70
Swan Plain.....	Sask.....	44 00	The Points West Bay.....	N.S.....	75 80
Swarthmore.....	Sask.....	200 00	The Range.....	N.B.....	122 15
Sweenyville.....	N.B.....	12 00			
Sweetland.....	N.S.....	15 00			
Sweet's Corners.....	N.S.....	169 00			

a Reopened 1-11-17.

b For Revenue see under Montreal Sub-Offices.

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province	Revenue.
		\$ cts.			\$ cts.
Theresa.....	Sask.....	111 35	Toronto, Sub-Office No. 157 (reopened 13-3-17).....	Ont.....	
Thériault.....	N.B.....	30 00	Torryburn.....	N.B.....	217 95
The Ridge.....	Ont.....	58 60	Totonka.....	Man.....	38 00
The Slash.....	Ont.....	65 00	Touchwood Hills (closed 1-12-17).....	Sask.....	20 00
Thetford Sud.....	P.Q.....	416 20	Touffe des Pins.....	P.Q.....	88 08
The Willows.....	N.B.....	67 20	Tourelle.....	P.Q.....	195 02
Thibeaudeau.....	N.S.....	65 79	Tourville.....	P.Q.....	452 05
Thistle Creek.....	Yukon.....	37 20	Toutes Aides.....	Man.....	235 40
Thistleton.....	Ont.....	172 50	Tow Hill.....	B.C.....	14 23
Thivierge.....	P.Q.....	161 50	Tracadie Beach.....	N.B.....	75 00
Thomasville.....	N.S.....	60 70	Tracadie Cross.....	P.E.I.....	279 00
Thompson.....	Alberta.....	71 36	Tracadie Road.....	N.S.....	6 00
Thompson Lake.....	N.B.....	10 00	Tracey's Mills.....	N.B.....	102 69
Thorai Island (summer office).....	Ont.....		Trafalgar.....	Ont.....	246 45
Thorel House (summer office, opened 18-7-17).....	Ont.....	38 00	Trafalgar.....	N.S.....	18 00
Thornbrook.....	N.B.....	21 00	Trait Carré.....	P.Q.....	55 00
Thornby.....	P.Q.....	74 50	Tramore.....	Ont.....	94 30
Thorne Centre.....	P.Q.....	18 09	Tramville.....	B.C.....	251 90
Thorsby.....	Alberta.....	21 60	Tranquille.....	B.C.....	787 00
Three Brooks.....	N.B.....	154 45	Tranter.....	Man.....	46 80
Three Fathom Harbour.....	N.S.....	60 25	Trapp Lake.....	B.C.....	50 00
Three Forks (closed 7-11-17).....	B.C.....	97 00	Treelon.....	Sask.....	59 00
Three Lakes.....	P.Q.....	108 90	Trelydden.....	Man.....	32 87
Three Mile Plains.....	N.S.....	296 14	Tremblay Settlement.....	N.B.....	43 09
Three Valley.....	B.C.....	95 20	Trenont.....	N.S.....	63 50
Throne.....	Alberta.....	151 00	Trentham.....	Man.....	35 01
Thrums.....	B.C.....	186 25	Trent River.....	Ont.....	293 35
Thunder Hill.....	Man.....	60 00	Trenville.....	Alberta.....	81 25
Thunder River.....	P.Q.....	135 43	Trewdale.....	Sask.....	107 30
Thurstonia Park (summer office).....	Ont.....	270 00	Tring.....	Alberta.....	227 47
Thwaites.....	Ont.....	53 00	Trinity Valley.....	B.C.....	43 70
Tiddville.....	N.S.....	60 40	Triple Lake.....	Sask.....	31 60
Tide Lake.....	Alberta.....	145 32	Tripora.....	Alberta.....	187 00
Tidnish Bridge.....	N.B.....	179 73	Fristram.....	Alberta.....	80 10
Tidnish River.....	N.S.....	103 70	Triton Fishing Club (summer office).....	P.Q.....	102 50
Tilley.....	N.B.....	107 00	Trois Saumons.....	P.Q.....	137 31
Tillicum.....	B.C.....	373 50	Trois Saumons Station.....	P.Q.....	75 94
Tilly.....	Sask.....	25 20	Trottier.....	P.Q.....	112 14
Tilley Road.....	N.B.....	86 89	Trout Brook.....	N.B.....	82 00
Tilley.....	Sask.....	317 70	Trout Brook.....	N.S.....	49 70
Timagini Park (summer office).....	Ont.....		Trout River.....	N.S.....	63 70
Timberlea.....	N.S.....	56 50	Troat Stream.....	N.B.....	67 50
Timiskaming Station.....	P.Q.....	582 35	Troy.....	N.S.....	26 70
Timchebray.....	Alberta.....	83 85	Trudeau.....	Ont.....	62 05
Tingley.....	N.B.....	16 00	Truemanville.....	N.S.....	43 00
Tioga.....	Ont.....	52 50	Tuberose.....	Sask.....	146 75
Tipperary.....	Man.....	16 00	Tulsa.....	Sask.....	29 20
Titanic.....	Sask.....	92 00	Tullymet.....	Sask.....	270 90
Titusville.....	N.B.....	127 48	Tumbell.....	Man.....	35 25
Tiell.....	B.C.....	35 50	Tupperville.....	N.S.....	180 50
Tobernory.....	Ont.....	672 46	Turenne (closed 20-4-17).....	P.Q.....	1 00
Tobique Narrows.....	N.B.....	31 00	Turgeon.....	P.Q.....	43 50
Tobique River.....	N.B.....	34 70	Turgeon.....	N.B.....	233 80
Tod Creek.....	Alberta.....	43 75	Turin.....	Alberta.....	260 15
Toland.....	Alberta.....	182 60	Turnhill.....	Sask.....	13 10
Tolman.....	Alberta.....	26 50	Turnerville.....	Ont.....	386 14
Tolstoi.....	Man.....	366 80	Turriff.....	Ont.....	193 00
Tomalhawk.....	Alberta.....	151 33	Turtle Creek.....	N.B.....	252 65
Tomkinsville.....	N.S.....	12 00	Turtle Lake.....	Ont.....	66 64
Toney Mills (closed 1-5-17).....	N.S.....	6 00	Turtle River.....	Man.....	52 96
Toney River (closed 1-5-17).....	N.S.....	4 00	Tuscola.....	Sask.....	47 75
Tongue Creek.....	Alberta.....	20 20	Tutela.....	Ont.....	b
Tooleton (opened 1-6-18).....	Sask.....	81 00	Tuxedo.....	Man.....	345 00
Tooleton.....	N.B.....	120 64	Tway.....	Sask.....	70 00
Topaz Harbour.....	B.C.....	94 29	Tweedie Brook.....	N.B.....	10 00
Topland.....	Alberta.....	20 00	Twickenham.....	Sask.....	63 25
Torbay.....	N.S.....	51 59	Twin Hill.....	Sask.....	66 75
Torbrook.....	N.S.....	116 41	Twining.....	Alberta.....	227 58
Torbrook, East.....	N.S.....	60 00	Twin Lakes (closed 1-3-18).....	Sask.....	25 00
Torbrook, West.....	N.S.....	144 96	Twin Rock Valley.....	N.S.....	31 00
Torlea.....	Alberta.....	41 10	Twin Valley.....	Sask.....	25 00
Toronto, Earlscourt (closed 10-1-18 and reopened 31-1-18).....	Ont.....		Two Creeks.....	Man.....	401 20
Toronto, Rusholme Road (closed 24-4-17 and reopened 31-5-17).....	Ont.....		Two Hills.....	Alberta.....	113 40
Toronto, Sub-Office No. 13.....	Ont.....	a	Two Rivers.....	N.S.....	69 70
Toronto, Sub-Office No. 72.....	Ont.....	a	Tyner (closed 30-9-17).....	Sask.....	40 00
Toronto, Sub-Office No. 77.....	Ont.....	a	Tzouhalem.....	B.C.....	107 00
Toronto, Sub-Office No. 79.....	Ont.....	632 00	Udora.....	Ont.....	308 96
Toronto, Sub-Office No. 107.....	Ont.....	a	Ufford.....	Ont.....	110 10
Toronto, Sub-Office No. 108.....	Ont.....	a	Uthoff.....	Ont.....	274 13
			Ukrania.....	Man.....	164 03

a/ For Revenue see under Toronto Sub-Offices.

b/ For Revenue see under London Sub-offices.

9 GEORGE V, A. 1919

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Ullswater.....	Ont.	98 11	Upper South West Mabou.....	N.S.	39 40
Umphrey.....	Sask.	22 50	Upper Springfield.....	N.S.	24 00
Underhill.....	N.B.	155 00	Upper Squamish.....	B.C.	66 00
Udine.....	N.B.	18 00	Upper Tantallon.....	N.S.	113 54
Union Creek.....	Ont.	93 40	Upper Tilley Road.....	N.B.	30 00
Union Mills.....	N.B.	76 20	Upper Washabuck.....	N.S.	48 15
Union Point.....	Man.	87 50	Upper Wedgeport.....	N.S.	85 00
Union Road.....	P.E.I.	96 95	Upper West New Harbour.....	N.S.	43 75
Uno.....	Man.	237 95	Upper Whitehead.....	N.S.	24 00
Union Square.....	N.S.	52 75	Upper Wood Harbour.....	N.S.	31 00
Upper Abougoggin.....	N.B.	82 00	Upsalquitch.....	N.B.	202 77
Upper Baddeck River.....	N.S.	30 2 5	Urbana.....	N.S.	133 00
Upper Balmoral.....	N.B.	89 00	Urbenville (closed 7-4-18).....	P.E.I.	
Upper Barney River.....	N.S.	41 55	Urney (closed 15-10-17).....	N.B.	8 00
Upper Bass River.....	N.S.	50 50	Urquharts.....	N.B.	30 50
Upper Bay du Vin.....	N.B.	97 12	Ursa.....	Ont.	20 25
Upper Bedford.....	P.Q.	505 23	Usherville.....	Sask.	82 65
Upper Bertrand.....	N.B.	90 00	Usk.....	B.C.	287 80
Upper Big Tracadie.....	N.S.	61 40	Usona.....	Alberta.....	74 25
Upper Blackville.....	N.B.	162 25			
Upper Blandford.....	N.S.	49 00	Vachon.....	P.Q.	76 80
Upper Branch.....	N.S.	106 75	Vaillancourt (closed 6-8-17).....	P.Q.	
Upper Brighton.....	N.B.	55 00	Valbrant.....	Sask.	168 95
Upper Buetonche.....	N.B.	69 80	Valcartier.....	P.Q.	132 55
Upper Burlington.....	N.S.	87 80	Valcartier, Village.....	P.Q.	166 86
Upper Cape.....	N.B.	95 46	Val d'Amour, late Seven Mile Ridge (1-2-18).....	N.B.	48 00
Upper Caraqueet.....	N.B.	329 66	Valdor.....	P.Q.	58 60
Upper Charlo.....	N.B.	190 45	Vale.....	Alberta.....	53 20
Upper Chelsen.....	N.S.	54 45	Valencay.....	P.Q.	112 70
Upper Clyde River.....	N.S.	42 45	Valenciennes.....	P.Q.	17 20
Upper Coverdale.....	N.B.	10 00	Valentia.....	Ont.	247 88
Upper Derby.....	N.B.	71 75	Vale Perkins.....	P.Q.	177 35
Upper Dorchester.....	N.B.	181 00	Val Franc.....	Ont.	64 30
Upper Dover.....	N.B.	31 50	Valin.....	P.Q.	29 00
Upper Dundee.....	N.B.	25 00	Valjean.....	Sask.	319 37
Upper Economy.....	N.S.	113 00	Vallée Ste. Claire.....	Sask.	24 10
Upper French Village.....	N.B.	19 50	Valhalla.....	Alberta.....	96 00
Upper Gasperean.....	N.B.	33 00	Vallentyne.....	Ont.	123 80
Upper Glenceo.....	N.S.	19 00	Valleville.....	P.Q.	45 51
Upper Glen Road.....	N.S.	7 50	Valley Centre.....	Sask.	63 41
Upper Golden Grove.....	N.B.	16 45	Valley Mills.....	N.S.	29 00
Upper Goshen.....	N.B.	30 25	Valley Station.....	N.S.	62 34
Upper Grand Mira.....	N.S.	37 00	Valley Stream.....	Man.	101 46
Upper Greenwich.....	N.B.	118 80	Vallican.....	B.C.	49 70
Upper Hampstead.....	N.B.	53 00	Valmont.....	P.Q.	176 50
Upper Hat Creek.....	B.C.	63 50	Val Marie.....	Sask.	75 50
Upper Kempt Head.....	N.S.	33 20	Val Morin Station (summer office).....	P.Q.	277 00
Upper Kemptown.....	N.S.	17 00	Valois.....	P.Q.	177 25
Upper Keswick.....	N.B.	156 35	Val Ombreuse.....	P.Q.	67 82
Upper Kingsburg.....	N.S.	54 75	Valor.....	Sask.	404 07
Upper Kintore.....	N.B.	37 00	Valpoy.....	Man.	31 00
Upper La Have.....	N.S.	247 05	Val Soucy (opened 1-5-17).....	Alberta.....	72 45
Upper Lakeville.....	N.S.	60 50	Vanarsdol.....	B.C.	108 45
Upper Lawrencetown.....	N.S.	11 00	Vance.....	Sask.	89 10
Upper Leitch's Creek.....	N.S.	12 00	Vanbrugh.....	Ont.	43 00
Upper Loch Lomond.....	N.B.	44 00	Van Bruyssel.....	P.Q.	731 97
Upper Main River.....	N.B.	64 00			
Upper Malagash (closed 1-11-17).....	N.S.	9 00	Vancouver Sub-office No. 17 (opened 10-1-18).....	B.C.	
Upper Margaree.....	N.S.	16 00	Vancouver Postal Station A.....	B.C.	
Upper Melbourne.....	P.Q.	341 85	Vandeleur.....	Ont.	65 00
Upper Middleboro.....	N.S.	142 10	Vandura.....	Sask.	261 50
Upper Middle River.....	N.S.	76 70	Vandyne.....	Alberta.....	41 00
Upper Mills.....	N.B.	38 50	Vanesti.....	Alberta.....	66 00
Upper Naas.....	B.C.	55 45	Vankoughnet.....	Ont.	122 27
Upper Nappan.....	N.S.	22 00	Vannes.....	Man.	60 80
Upper Nelson.....	N.B.	96 80	Vanrena.....	Alberta.....	199 69
Upper New Cornwall.....	N.S.	49 68	Vansickle.....	Ont.	30 50
Upper New Harbour.....	N.S.	138 00	Van Winkle.....	B.C.	170 62
Upper New Horton.....	N.B.	59 86	Vargas.....	B.C.	42 87
Upper New Port.....	N.S.	165 00	Vassar.....	Man.	342 97
Upper North River.....	N.S.	24 00	Vauban.....	P.Q.	224 32
Upper Ohio.....	N.S.	19 20	Vautour.....	N.B.	52 23
Upper Peel.....	N.B.	13 20	Vauvert.....	P.Q.	302 86
Upper Rawdon.....	N.S.	259 42	Vauluse.....	P.Q.	141 45
Upper Rexton.....	N.B.	78 93	Vaughan.....	N.S.	155 00
Upper River Dennis.....	N.S.	21 30	Vauquelin.....	P.Q.	8 30
Upper Rockport.....	N.B.	49 54	Vavenby.....	B.C.	178 10
Upper St. Maurice.....	N.B.	17 40	Vedder Crossing.....	B.C.	91 80
Upper Ste. Rose.....	N.B.	40 00	Veillette.....	Alberta.....	188 30
Upper St. Simon.....	N.B.	22 00	Veilleux.....	P.Q.	89 50
Upper Sackville.....	N.B.	505 00	Venlaw.....	Man.	54 00
Upper Siegas.....	N.B.	26 60	Vennacher.....	Ont.	181 90
Upper Smithfield.....	N.S.	26 00			
Upper South River.....	N.S.	123 70	Verdant.....	Sask.	34 50

SESSIONAL PAPER No. 24

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Verdant Valley.....	Alberta..	28 50	Wahstao.....	Alberta...	166 20
Vers.....	Sask.....	331 45	Wah Tay Beg.....	Ont.....	55 50
Verbois.....	P.Q.....	51 00	Waitville.....	Sask.....	57 70
Vermillion Bay.....	Ont.....	267 08	Wako.....	Ont.....	108 70
Verna.....	Sask.....	79 70	Waldeck Line.....	N.S.....	41 50
Vernal.....	N.S.....	20 00	Walden.....	N.S.....	64 00
Verndale.....	Sask.....	27 00	Waldersea.....	Man.....	91 00
Vernon Mines.....	N.S.....	12 00	Waldorf.....	Sask.....	64 90
Vernon River.....	P.E.I.....	288 34	Waldville.....	Sask.....	378 00
Verschoyle.....	Ont.....	243 34	Walkerburn.....	Man.....	49 10
Vestfold.....	Man.....	25 00	Walkers.....	Ont.....	451 00
Vesuvius.....	N.S.....	27 00	Walkers Cutting.....	P.Q.....	76 70
Voizina's Corner.....	P.Q.....	27 00	Walkers Point.....	Ont.....	193 99
Victor.....	Alberta..	132 79	Walkerville.....	N.S.....	125 76
Victoria.....	N.S.....	58 50	Walkleyburg.....	Man.....	20 00
Victoria Sub-Office No. 2.....	B.C.....	b	Wallace Bridge.....	N.S.....	419 90
Victoria Sub-Office No. 6.....	B.C.....	b	Wallace Highlands.....	N.S.....	67 08
Victoria Sub-Office No. 8.....	B.C.....	b	Wallace Mill.....	P.Q.....	22 00
Victoria Sub-Office No. 9.....	B.C.....	b	Wallace Point (closed 1-12-17).....	Ont.....	13 00
Victoria Sub-Office No. 10.....	B.C.....	b	Wallace Ridge (closed 1-11-17).....	N.S.....	64 43
Victoria Beach (summer office).....	Man.....	106 50	Wallace Station.....	N.S.....	209 89
Victoria Bridge.....	N.S.....	56 65	Wallard.....	Sask.....	168 78
Victoria Corners.....	Ont.....	90 00	Wallbrook.....	N.S.....	38 00
Victoria Harbour.....	N.S.....	58 25	Wallenstein.....	Ont.....	486 02
Victoria Line.....	N.S.....	27 25	Wallmore (opened 1-3-18).....	Man.....	8 00
Victoria Mines.....	N.S.....	193 40	Walnut Grove.....	B.C.....	31 20
Victoria Plains (closed 31-1-18).....	Sask.....	29 50	Walpole Island.....	Ont.....	268 35
Victoria Vale.....	N.S.....	166 50	Wampum.....	Man.....	69 37
Victory (closed 1-12-17).....	N.S.....	14 00	Wamsley.....	Ont.....	35 84
Victory.....	N.B.....	16 08	Wandsworth.....	Sask.....	63 45
Vidir.....	Man.....	139 55	Wanganui.....	Sask.....	27 00
Vieille Eglise.....	P.Q.....	174 92	Wanikewin.....	Ont.....	174 75
Vienneau.....	N.B.....	45 26	Waniska.....	Sask.....	94 32
Viewfair..... (closed 1-3-18).....	Sask.....	16 00	Wapashoe.....	Sask.....	40 25
Viewfield.....	Sask.....	249 00	Wapske.....	N.B.....	371 25
View Hill.....	B.C.....	250 00	Warburg.....	Alberta..	6 00
Vigilant.....	Sask.....	37 40	Wardenville.....	Sask.....	94 00
Village Belanger.....	P.Q.....	33 00	Ward's Brook.....	N.S.....	115 69
Village Blier (opened 1-11-17).....	P.Q.....	117 75	Warmley.....	Sask.....	19 00
Villageedale.....	N.S.....	88 30	Warnock.....	Sask.....	38 00
Village La Prairie.....	N.B.....	13 00	Warspite.....	Alberta..	171 45
Village St. Augustin.....	N.B.....	19 00	Warwick.....	Alberta..	352 33
Village St. Croix.....	N.B.....	47 00	Wasa.....	B.C.....	335 95
Village St. Irene.....	N.B.....	17 25	Wasel.....	Alberta..	164 65
Village St. Jean.....	N.B.....	29 00	Washabuck Bridge.....	N.S.....	17 10
Village St. Paul.....	N.B.....	33 50	Washabuck Centre.....	N.S.....	31 00
Village St. Pierre.....	N.B.....	27 02	Wasing.....	Ont.....	79 15
Villa Lea.....	Sask.....	18 50	Wassewa.....	Man.....	35 00
Ville Bouvier.....	Sask.....	23 75	Wastena.....	Alberta..	50 50
Villefranche.....	Sask.....	55 40	Watauga (closed 1-5-17).....	N.S.....	48 36
Ville Guay.....	P.Q.....	88 00	Watch Lake (opened 1-5-17).....	B.C.....	78 49
Ville La Salle.....	P.Q.....	399 78	Waterborough.....	N.B.....	11 25
Villemay.....	P.Q.....	167 29	Waterfield.....	Sask.....	115 50
Villemontel (opened 18-7-18).....	P.Q.....	136 50	Waterford.....	N.S.....	139 95
Ville Real.....	P.Q.....	80 09	Waterford.....	N.B.....	192 50
Villerooy.....	P.Q.....	197 21	Water Glen.....	Alberta..	35 00
Vimy (opened 21-5-17).....	Alberta..	119 85	Waterloo.....	N.S.....	31 00
Vinea.....	Alberta..	62 50	Waternish.....	N.S.....	46 00
Vincennes.....	P.Q.....	292 94	Waterside.....	N.S.....	159 35
Vincent.....	N.B.....	55 26	Waterside.....	N.B.....	86 00
Vinoit.....	P.Q.....	54 00	Waterton Park (reopened 15-6-17).....	Alberta..	83 02
Vinton.....	P.Q.....	263 18	Watervale.....	N.S.....	48 50
Violet Hill (closed 1-8-17).....	Ont.....	14 00	Watford.....	N.S.....	18 25
Virgil.....	Ont.....	309 75	Watling.....	N.B.....	137 00
Virginia East.....	N.S.....	34 70	Watts (opened 1-10-17).....	Alberta..	166 00
Vivian.....	Ont.....	75 50	Watt Section, Sheet Harbour.....	N.S.....	174 63
Vivian Station.....	Man.....	198 65	Wattsburg.....	B.C.....	147 63
Voght Valley.....	B.C.....	53 50	Wattsford.....	Alberta..	41 86
Vogler's Cove.....	N.S.....	354 12	Waubamick.....	Ont.....	86 65
Volga.....	Man.....	15 00	Waugh.....	N.B.....	29 00
Vroomanton.....	Ont.....	113 28	Waugh.....	Alberta..	172 86
Wasis Station (closed 1-6-17).....	N.B.....	15 00	Waugh's River.....	N.S.....	143 41
Waba.....	Ont.....	211 50	Waupos.....	Ont.....	307 47
Wabasca.....	Alberta..	110 99	Wawashkesh (summer office).....	Ont.....	265 00
Wabasse.....	P.Q.....	86 01	Wavy Bank.....	Man.....	34 68
Wabun.....	Ont.....	35 00	Wavy Creek.....	Sask.....	20 00
Wacouta.....	Man.....	10 00	Wavy Lake.....	Alberta..	41 29
Wadden Cove.....	N.S.....	15 20	Wawbewawa.....	Ont.....	117 75
Washams.....	B.C.....	309 10	Waybrook.....	Alberta..	24 00
Wagarville.....	Ont.....	146 95	Wayweig.....	N.B.....	121 35
Wagram.....	Ont.....	15 00	Wawbeek.....	Sask.....	18 25
			Wayerton.....	N.B.....	11 00

a Reopened 11-6-17.

Non-Accounting Post Offices—Continued.

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts.			\$ cts.
Wealthy	Alberta	34 50	West Merigonish	N.S.	182 80
Weatherly	N.S.	37 00	West Middle Sable	N.S.	63 60
Weaver	N.B.	32 70	Westmoreland Point	N.B.	809 00
Weaver Settlement	N.S.	26 00	Westmoor	N.S.	64 75
Weaver Siding	N.B.	32 60	West New Annan (closed 1-5-17)	N.S.	15 00
Webster's Corners	B.C.	66 20	West Newby Quoddy	N.S.	204 60
Weedon Centre (closed 1-3-18)	P.Q.	86 25	West Northfield	N.S.	138 00
Weir	Ont.	60 50	Weston	N.S.	189 50
Weir-teard	P.Q.	147 80	West Peace River	Alberta	150 75
Welby	Sask.	151 92	West Potneswick	N.S.	33 15
Welcome Harbour (closed 1-5-17)	B.C.		West Port Clyde	N.S.	125 00
Welland Junction	Ont.	364 88	West Quao	N.S.	269 75
Wellfield Settlement (opened 8-12-17)	N.B.	21 16	West River	N.B.	89 35
Welling	Alberta	78 02	West Rochvale	N.S.	47 40
Wellington	N.S.	91 35	West St. Andrews	N.S.	22 49
Wellington Station	N.S.	80 50	West Salisbury (closed 17-8-17)	Alberta	9 00
Wellnage	Sask.	111 75	West Shore	N.S.	122 00
Wells	N.B.	17 00	West Side of Middle River	N.S.	86 82
Wells Brook	N.B.	36 00	West Springhill	N.S.	26 25
Wellsdale	Alberta	92 00	West Tarbot	N.S.	18 59
Wellsville	Alberta	30 25	West Tatamagouche	N.S.	28 00
Welsford Road	N.S.	20 00	Westview	N.S.	21 00
Welshtown	N.S.	6 00	Westward Ho	Alberta	99 36
Weldon's Corner	N.S.	40 00	West Waterville	N.B.	16 00
Wenham Valley	Alberta	35 00	West Wingham	Alberta	54 15
Weno	Alberta	283 50	West Winnipeg	Man.	30 75
Wensley	Ont.	97 31	Wexford	Ont.	95 00
Wentworth	N.S.	137 47	Weymouth Falls	N.S.	44 00
Wentworth Creek	N.S.	15 00	Weymouth Mills	N.S.	85 90
Wentworth Station	N.S.	332 00	Wharnclyffe	Ont.	152 65
Wentzell's Lake	N.S.	80 00	Whartron	N.S.	51 75
Wesley	Ont.	32 00	Whatecher	Alberta	109 20
Wesleyville	Ont.	113 75	Whatsan (closed 1-5-17)	B.C.	
West Advocate	N.S.	130 00	Wheat Centre	Alberta	44 00
West Alba	N.S.	49 70	Wheatley River	P.E.I.	151 65
West Apple River	N.S.	29 35	Wheaton Mills	N.B.	46 59
Westasta Valley	Sask.	33 00	Wheaton Settlement	N.B.	58 99
West Aylwin	P.Q.	135 95	Wheat Valley (closed 16-6-17)	Sask.	8 50
West Baccaro	N.S.	39 44	Wheatwyn	Sask.	5 00
West Bay Centre	N.S.	106 50	Whitebeech	Sask.	51 09
West Bay Road	N.S.	457 78	Whistle Mine	Ont.	76 82
West Beria	N.S.	125 28	White	Ont.	16 60
West Branch, St. Nicholas River	N.B.	71 09	Whiteburn Mines	N.S.	13 00
Westbridge	B.C.	178 57	Whitecourt	Alberta	226 29
Westbrook	N.S.	159 00	White Fish Lake	P.Q.	11 00
Westbury Basin	P.Q.	10 00	White Fish Lake	Alberta	37 00
West Caledonia	N.S.	95 45	Whitehall	Ont.	119 95
Westchester	N.S.	24 70	White Head Percé	P.Q.	177 10
Westchester Lake	N.S.	26 00	Whitehead	N.B.	73 10
West Chezzeteok	N.S.	158 25	White Head	N.B.	237 79
West Clifford	N.S.	42 70	White Lake	B.C.	12 50
Westcook	N.B.	59 75	Whiteman Creek	B.C.	35 11
West Cooks Cove	N.S.	36 00	Whitemouth Lake	Man.	46 10
Westcott	Alberta	87 50	Whitemud	Sask.	49 50
West Demars	B.C.	148 98	White Point	N.S.	23 00
West Devon	P.E.I.	214 01	White Rapids	N.B.	21 68
West Ditton	P.Q.	8 00	White Rock Mills	N.S.	106 10
West Earlton	N.S.	18 00	White Sand	Sask.	28 00
Westerdale	Alberta	188 75	White's Brook	N.B.	134 77
West Erinville	N.S.	35 00	White's Corner	N.S.	31 00
West Erham	Sask.	367 97	White's Cove	N.B.	293 50
Westerleigh	Sask.	108 25	Whiteside	Ont.	195 88
Westerly	N.S.	26 00	Whiteside	N.S.	61 39
Western Head	N.S.	58 00	White's Lake	N.S.	30 00
Westfield	Ont.	18 00	White's Mills	N.B.	30 65
Westfield Centre	N.B.	30 75	White's Mountain	N.B.	8 00
West Flamborough	Ont.	317 63	White's Settlement	N.B.	41 00
West Galsville	N.B.	76 65	Whitestone	Ont.	209 90
West Grove	Ont.	16 00	White Sulphur	B.C.	89 02
West Guilford	Ont.	92 95	White Star	Sask.	53 70
West Hall	Man.	12 50	Whitewood Grove	Ont.	136 50
West Hamilton	Ont.	410 25	Whitford	Alberta	122 72
Westham Island	B.C.	80 00	Whitkow	Sask.	109 00
Westhazel	Sask.	60 35	Whitney	N.B.	152 86
West Head	N.S.	232 00	Whitton	Alberta	8 00
West Ingonish	N.S.	78 93	Whitworth	P.Q.	473 32
West Jeddore	N.S.	207 36	Whyoccomagh Bay (North side)	N.S.	35 00
Westlake	Sask.	28 10	Whyoccomagh Mountain	N.S.	1 00
West Lakeville	N.S.	25 00	Whyoccomagh Portage	N.S.	15 45
West Lawrencetown	N.S.	82 17	Whytewold	Man.	362 76
West Liscombe	N.S.	57 01	Wickham	N.B.	186 40
West Lochaber	N.S.	24 70	Widewiew	Sask.	88 55
West Mabou Harbour	N.S.	7 00	Wion	Alberta	15 43
Westmere	B.C.	25 70	Wiggins	Sask.	34 25
			Wigwam (closed 1-10-17)	Ont.	13 10

CLASSICAL PAPER No. 24

Non-Accounting Post Offices—*Concluded.*

Name of Post Office.	Province.	Revenue.	Name of Post Office.	Province.	Revenue.
		\$ cts			\$ cts
Wikwemikong	Ont.	209 24	Wolverton	Ont.	314 47
Wile Settlement	N.S.	34 25	Wood	Ont.	33 09
Wilbert	Sask.	59 45	Wood Bay	Man.	123 25
Wilburn	N.S.	39 00	Woodbend	Alberta.	44 75
Wildmere	Alberta.	182 69	Woodbine	N.S.	34 00
Wild Oak	Man.	9 75	Woodbourne	N.S.	27 40
Wild Rose	Sask.	201 30	Woodburn	Ont.	120 00
Wildum	Alberta.	124 25	Woodfield	N.S.	26 00
Wileville	N.S.	9 00	Woodfield	Man.	51 11
Wilfrid	Ont.	203 25	Woodglen	Alberta.	21 25
Wilkan Siding	N.S.	169 44	Woodhouse	Alberta.	214 63
Willard Mills	P.Q.	22 00	Woodington (summer office)	Ont.	150 00
Willen	Man.	270 25	Wood Island	N.B.	40 79
Willesden Green	Alberta.	41 05	Wood Islands, North	P.E.I.	273 50
William	P.Q.	72 50	Wood Islands, West	P.E.I.	13 00
Williamsdale	N.S.	27 00	Wood Lake	N.B.	10 00
Williams Lake	B.C.	57 00	Woodlands (closed 15-2-18)	N.B.	24 00
Williams Point (reopened 1-10-17)	N.S.	22 00	Woodlight	Sask.	10 00
William's Siding	B.C.	97 40	Woodman's Point	N.B.	310 09
Willmont	Sask.	50 50	Woodmore	Man.	117 99
Willow Bunch	Sask.	2,375 78	Wood Point	N.B.	59 50
Willowdale	Ont.	449 15	Wood River	Alberta.	15 44
Willowdale	N.S.	64 00	Woodroek	Sask.	27 79
Willowfield	Sask.	29 06	Woodroffe	Ont.	227 50
Willow Grove	N.B.	29 50	Woodroyd	Man.	68 75
Willow Hill	Sask.	29 89	Woodside	P.Q.	49 25
Willow River	B.C.	292 60	Woodside	Man.	97 00
Willowlea (opened 8-8-17)	Alberta.	55 75	Woodside	N.B.	59 55
Willowmoor (closed 2-3-18)	Sask.	26 25	Woodside (closed 1-6-17)	N.S.	
Willow Ridge	Sask.	9 00	Woodvale	N.S.	32 50
Willowvale	Sask.	70 70	Woodville	N.S.	52 09
Willow Spring	Sask.	41 00	Woodville	P.E.I.	15 00
Willowview	Man.	55 17	Woodville	N.S.	38 00
Wilmot Valley	P.E.I.	75 74	Woodward's Cove	N.B.	223 95
Wilson	Ont.	85 00	Woolchester	Alberta.	60 50
Wilson Creek	B.C.	36 85	Woolford Station	Alberta.	2 4 20
Wilson Lake	Sask.	68 00	Woomona (closed 1-1-18)	Man.	8 00
Wilson Landing	B.C.	56 79	Wordsworth	Sask.	439 50
Wilson's Corners	P.Q.	151 35	Wostok	Alberta.	159 01
Wilson's Mills	P.Q.	132 00	Wreck Cove	N.S.	43 76
Wilson's Point	N.B.	5 00	Wrightville	Sask.	31 25
Wilsonville	Ont.	450 89	Wyborn	Ont.	76 75
Wilton Grove	Ont.	625 40	Wyatt Bay	B.C.	147 52
Wilton Park	Alberta.	28 25	Wycollar	Sask.	162 15
Wimborne	Alberta.	214 70	Wycombe	Ont.	364 69
Windham Hill (closed 1-6-17)	N.S.	6 25	Wyers Brook (closed 15-11-17)	N.B.	15 00
Windsor	N.B.	226 48	Wylie	Ont.	192 65
Windsor Forks	N.S.	268 75	Wynot	Sask.	161 95
Windsor Junction	N.S.	380 98	Wynndell	B.C.	330 55
Windsor Lake	Sask.	32 50	Wyse's Corner	N.S.	51 50
Windygates	Man.	132 70	Wyvern	N.S.	26 20
Windy Lake	Ont.	94 65	Yankee Harbour	N.S.	42 00
Wine Harbour	N.S.	232 92	Yarm	P.Q.	139 83
Wine River	N.B.	56 00	Yarmouth Centre	Ont.	77 31
Wingard	Sask.	113 50	Yarrow	B.C.	88 00
Wingle	Ont.	52 10	Yates	Alberta.	35 48
Wingello	Sask.	104 25	Yearley's	Ont.	76 50
Winnington	Alberta.	376 30	Yeomans	Sask.	229 40
Winnipeg Sub-office No. 19 (opened 4-2-18)	Man.	a	Yetwood	Alberta.	101 55
Winside	Sask.	17 00	Yoho Island (summer office)	Ont.	
Winsloe	P.E.I.	208 90	Yone	N.B.	32 00
Winsloe Road	P.E.I.	23 50	Yonker	Sask.	295 20
Winslow, South	P.Q.	88 20	York-Centre	P.Q.	100 29
Winthorpe	Sask.	49 00	York-Mills	Ont.	218 69
Winton	Sask.	54 45	Youghall	N.B.	30 00
Winton Hill	Sask.	20 00	Young's Cove	N.B.	175 00
Wisawasa	Ont.	28 85	Zalicia	Man.	35 00
Wisdom	Alberta.	23 00	Zant	Man.	39 20
Wishart	Sask.	251 80	Zawale	Alberta.	48 20
Wishart Point	N.B.	63 00	Zbaraz	Man.	16 00
Wisla	Man.	25 00	Zehner	Sask.	223 20
Wiste	Alberta.	331 08	Zaneta	Sask.	207 50
Wistario	B.C.	71 95	Zenith (closed 9-11-17)	Alberta.	56 50
Witchekan	Sask.	151 77	Zenon Park	Sask.	115 52
Wittenburg	N.S.	90 25	Zeta	Ont.	34 25
Wiva Hill	Sask.	94 24	Zetland	Alberta.	105 50
Woolen River (closed 1-11-17)	B.C.		Zhoda	Man.	45 00
Woernke	Ont.	45 35	Zineton	B.C.	114 06
Wolf Creek	Alberta.	181 56	Ziska	Ont.	76 40
Wolf Lake	Alberta.	100 63	Zoldovaro	Alberta.	20 25
Wolf Lake	P.Q.	110 77	Zoria	Man.	23 00
Wolf River Ranch (opened 15-11-17)	Alberta.	18 00	Zorra	Sask.	14 74
Wolverine (closed 21-7-17)	Sask.	45 00	Zwickers	N.S.	11 09

a For Revenue *sæ* under Winnipeg Sub-Offices.

ANNUAL REPORT

OF THE

DEPARTMENT OF THE INTERIOR

FOR THE

Fiscal Year ended March 31, 1918

PRINTED BY ORDER OF PARLIAMENT



OTTAWA
J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1919

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc., etc.,
Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

The undersigned has the honour to lay before Your Excellency the report of the transactions of the Department of the Interior for the fiscal year ending March 31, 1918.

Respectfully submitted,

A. MEIGHEN,
Minister of the Interior.

OTTAWA, July 2, 1918.

TABLE OF CONTENTS.

	PAGE.
Report of Deputy Minister	1
PART I.—DOMINION LANDS.	
Report of the Commissioner	3
“ “ Chief Inspector of Dominion Lands Agencies	3
“ “ Inspector of Dominion Lands Agencies, Brandon	4
“ “ Dom. Lands Sub-Agencies, Manitoba and Saskatchewan	5
“ “ Inspector of Dominion Lands Agencies, Calgary	6
“ “ Dom. Lands Sub-Agencies, Alberta and British Columbia	7
“ “ Homestead Inspectors in Alberta and British Columbia	8
“ “ Agent of Dominion Lands, Battleford	9
“ “ “ “ “ Calgary	10
“ “ “ “ “ Dauphin	11
“ “ “ “ “ Edmonton	12
“ “ “ “ “ Grande Prairie	13
“ “ “ “ “ Kamloops	14
“ “ “ “ “ Lethbridge	15
“ “ “ “ “ Moose Jaw	16
“ “ “ “ “ New Westminster	17
“ “ “ “ “ Peace River	18
“ “ “ “ “ Prince Albert	19
“ “ “ “ “ Revelstoke	20
“ “ “ “ “ Saskatoon	21
“ “ “ “ “ Swift Current	22
“ “ “ “ “ Winnipeg	23
“ “ Mining Lands and Yukon Branch	27
“ “ Gold Commissioner	28
“ “ Crown Timber and Land Agent	30
“ “ Insp. and Engineering Div. of the Mining Lds. and Yukon Br.	31
“ “ Timber and Grazing Lands Branch	32
“ “ Chief Inspector of Crown Timber Agencies	35
“ “ School Lands Branch	39
“ “ Land Patents Branch	46
“ “ Acting Superintending Accountant	56
“ “ Ordnance and Admiralty Lands Branch	60

PART II.—DOMINION PARKS.

	PAGE.
Report of the Commissioner of Dominion Parks	3
" " Superintendent of Rocky Mountains Park	13
Statement of persons registered at the various Hotels in Rocky Mountains Park from 1st April, 1917, to 31st March, 1918	16
Maximum and minimum temperatures, etc., Banff	19
Report of the Superintendent of Yoho Park	20
" " Secretary of the Alpine Club of Canada.	21
" " Superintendent of Glacier Park	22
" " " Revelstoke Park	22
" " " Jasper Park	23
" " " Waterton Lakes Park	24
" " " Buffalo Park	25
" " " Elk Island Park	27
" " St. Lawrence Islands Park	27
" " Hon. Superintendent of Fort Anne Park	27

PART III.—FORESTRY.

Report of the Director	3
----------------------------------	---

PART IV.—IRRIGATION.

Report of the Superintendent of Irrigation	3
Report of the Commissioner of Irrigation	9

PART V.—WATER POWER.

Report of the Superintendent of Water Power	3
Report of the Chief Hydraulic Engineer	5
Hydrometric Surveys	5
British Columbia Hydrometric Survey	6
Manitoba Hydrometric Survey	7
Power and Storage Surveys	7
Manitoba	7
Alberta and Saskatchewan	8
Recommendations for Future Work	8
Nova Scotia Water Power and Storage Investigations	9
Dominion Land Surveys and Reclamation	9
International Joint Commission	10
Lake of the Woods Regulation	11
Water Resources Inventory	11

REPORT

OF THE

DEPARTMENT OF THE INTERIOR

1917-18

The Hon. ARTHUR MEIGHEN,
Minister of the Interior,
Ottawa.

I have the honour to submit the forty-fifth Annual Report of the Department of the Interior, for the twelve months ending the 31st March, 1918.

Settlement in Dominion Lands throughout the West has been as satisfactory as the existing conditions would permit, and the revenue of the department shows a slight increase.

Preliminary plans for the establishment of a board to deal with the settlement of returned soldiers are now under way, and every possible effort has been put forth anticipating the requirements of the returned soldier as regards Dominion lands. Any lands becoming available for settlement under the Dominion Lands Act are immediately withdrawn from ordinary settlement so that the returned soldiers may have the first opportunity of location thereon.

The work carried on by the various branches of the department has been eminently satisfactory, as shown by the condensed statements hereunder and the more detailed reports of the individual branches.

9 GEORGE V, A. 1919

STATEMENT showing Gross Cash Receipts received from all sources during the fiscal year ended March 31, 1918, compared with the receipts for the previous fiscal year.

Source of Revenue.	Fiscal Years.		Increase.	Decrease.	Net Increase.
	1917-18.	1916-17.			
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Dominion Lands.....	4,557,438 61	4,189,905 55	367,533 06	.....	.....
School Lands.....	2,836,216 40	1,699,370 06	1,136,846 34	.....	.....
Ordinance Lands.....	7,929 75	5,553 26	2,376 49	.....	.....
Seed Grain.....	2,613,708 67	3,652,729 05	.....	1,039,020 38	.....
Casual Revenue.....	9,974 15	15,618 26	.....	6,544 11	.....
Registration Fees—Yukon.....	562 25	796 55	.....	234 60	.....
Fines and Forfeitures.....	170 00	.....	170 00	.....	.....
Fines and Forfeitures—N.W.T.....	383 00	95 00	288 00	.....	.....
Fines under Immigration Act.....	3,133 06	2,089 72	1,043 28	.....	.....
Chinese Immigration Revenue	336,757 00	140,487 00	196,270 00	.....	.....
Sales of Lands, Special Account	626,203 49	407,125 71	219,077 78	.....	.....
	10,991,576 32	10,113,770 46	1,923,604 95	1,045,799 09	877,805 86

SESSIONAL PAPER No. 25

STATEMENT of Receipts on account of Dominion Lands Revenue for the fiscal year ended March 31, 1918, as compared with the receipts for the previous fiscal year.

Particulars.	1917-18.	1916-17.	Increase.	Decrease.	Net Increase.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Homestead Fees.....	83,180 00	112,110 20		28,930 20	
Pre-emption Fees.....	7,870 00	14,690 00		6,820 00	
Purchased Homestead Fees.....	2,040 00	2,660 00		620 00	
Improvements.....	88,198 99	111,071 53		22,872 54	
Pre-emption Sales under Act 1908.....	2,596,932 35	2,326,402 51	270,529 83		
Purchased Homestead Sales.....	245,834 54	254,017 48		8,182 94	
General Sales.....	191,729 12	112,636 24	79,092 88		
Map Sales, Office Fees, etc.....	12,066 22	13,976 93		1,910 73	
Rentals of Land.....	10,603 38	10,112 04	491 34		
Survey Fees.....	7,915 99	6,638 68	1,277 31		
Timber Dues.....	482,006 25	429,403 09	52,603 16		
Grazing Rental.....	125,300 69	128,341 50		3,040 81	
Grazing Lands, Improvements.....	1,172 66	1,639 80		467 20	
Coal Lands.....	334,889 57	323,740 72	11,148 85		
Hay Permits.....	10,861 62	9,834 20	1,027 42		
Mining Fees.....	59,679 31	57,907 25	1,772 06		
Hydraulic Leases.....	2,273 22	2,338 50		65 27	
Dredging Leases.....	2,943 42	1,540 86	1,402 59		
Export Tax on Gold.....	81,650 55	99,043 07		17,392 52	
Free Certificates for Export of Gold.....	35 00	38 06		3 00	
Stone Quarries.....	7,117 30	7,795 48		678 18	
Irrigation Fees.....	458 75	629 00		170 25	
Rent of Water-power.....	1,210 00	600 00	610 00		
Irrigation Sales.....	11,595 54	14,147 75		2,552 21	
Fees re Board of Examiners, D.L.S.....	250 00	560 00		310 00	
Patent and Interchange Fees.....	160 00	250 00		90 00	
Suspense Account.....	3,598 97	3,890 34		291 39	
Interim Receipt Account, Yukon.....	153 00	190 00		37 00	
Sand, Stone and Gravel.....	1,094 98	2,089 46		994 48	
Petroleum.....	124,179 69	92,242 37	31,937 32		
Forestry Branch—Sale of Trees, etc.....	3,907 59	3,054 22	853 28		
Fishing Permits.....	67 00	81 00		14 00	
Potash Leases.....	60 00		60 00		
Miscellaneous.....	4,242 51	381 85	3,860 67		
Rocky Mountain Park.....	43,632 08	40,290 93	3,341 15		
Jasper Park.....	5,292 83	2,828 73	2,464 10		
Waterton Lakes.....	1,307 65	1,332 00		24 35	
Yoho Park.....	502 40	385 36	117 04		
Buffalo Park.....	142 46	257 23		114 77	
Elk Island Park.....	1 00	8 25		7 25	
Glacier Park.....	331 90	542 25		210 35	
Moose Mountain Buffalo Park.....		1 50		1 50	
Antelope Park.....	905 20	205 20	700 00		
Fort Anne Park.....	45 00		45 00		
Refunds.....	4,557,438 61	4,189,905 55	463,334 00	95,800 94	367,533 06
	113,680 44	134,243 14		20,562 70	
	4,443,758 17	4,055,662 41	463,334 00	75,238 24	388,095 76

In addition to \$191,729.12 on account of general sales, the department received \$626,203.49 from sales of railway lands, which sum, as provided for by Orders in Council, has been credited to special accounts in the books of the Finance Department.

Fiscal Year.	Homestead Fees.	Pre-emption Fees.	Improvements.		SALES.		Map Sales, Office and Registration Fees, etc.	Dominion Lands Surveyors' Examination Fees.	Rents, Survey Fees, Miscellaneous, including Trust Account.	Purchased, Homestead, Inspection, Cancellation and Sundry Fees.	Timber Dues.		
			\$	cts.	Cash.	Scrap.						\$	cts.
1872-73	6,960 00		19,170 20								109 25		
1873-74	7,310 00		19,834 75								2,710 55		
1874-75	11,510 00		13,666 90				129 00		125 50		2,335 25		
1875-76	4,680 00		3,478 94		320 00						2,387 00		
1876-77	2,250 00		1,085 86		136,355 16				100 00		320 00		
1877-78	14,540 00		2,794 86		120,139 54						1,620 00		
1878-79	17,690 00		4,998 33		210,904 84		81 00		13 70		325 00		
1879-80	41,255 00	10,241 45	45,708 97		81,685 86		245 40		183 25		25,121 46		
1880-81	30,450 00	10,801 75	71,170 17		70,828 30		985 40		37 58		32,028 34		
1881-82	54,155 00	39,843 90	1,240,328 27		50,500 84		3,036 45		58 10		58,753 14		
1882-83	73,015 00	54,725 00	516,062 21		33,638 40		3,109 50		501 77		90,066 46		
1883-84	41,580 00	28,810 00	7,114 91		40,919 67		1,289 55		45,766 53	1,713 00	147,983 10		
1884-85	25,645 00	17,100 00	424,863 56		45,875 60		1,621 82		50,068 57	2,685 00	87,474 99		
1885-86	26,110 00	14,371 00	199,275 32		214,657 97		1,339 34		29,070 00	5,025 40	64,820 31		
1886-87	19,614 00	6,887 93	76,140 41		337,640 19		1,171 39		44,561 00	7,778 53	65,111 74		
1887-88	23,691 00	4,830 00	48,175 76		313,522 67		1,660 75		20,391 41	12,078 50	94,964 55		
1888-89	39,460 00	10,550 00	52,238 36		318,258 57		1,410 16		10,389 57	20,402 50	90,280 00		
1889-90	35,920 00	8,580 00	4,128 48		3,250 54		2,069 07		3,316 23	20,232 50	84,642 95		
1890-91	29,164 10		2,328 75		171,425 14		1,854 78		7,951 05	14,712 50	102,902 71		
1891-92	46,994 00	6,472 31	91,664 98		108,901 01		2,147 31		29,898 49	23,104 00	106,461 35		
1892-93	37,689 74		6,472 31		97,822 18		975 20		18,509 35	22,014 00	105,865 24		
1893-94	36,462 26		93,671 67		27,231 18		973 11		13,457 09	11,097 90	81,280 51		
1894-95	29,664 88		53,254 71		27,840 96		695 99		6,271 77	6,566 56	74,079 20		
1895-96	18,278 00		3,567 90		23,269 62		610 78		21,679 31	6,810 50	61,923 47		
1896-97	21,179 00		3,163 15		46,373 98		795 05		19,421 98	8,527 00	68,992 82		
1897-98	34,780 00		3,737 01		16,959 38		1,987 40		10,042 50	10,042 50	119,313 78		
1898-99	58,235 00		5,649 63		28,918 14		1,262 05		75,685 95	13,549 00	155,360 63		
1899-1900	72,690 00		4,297 62		116,598 65		1,262 05		38,072 54	14,937 00	126,345 82		
1900-1901	79,910 00		4,885 81		103,247 58		1,238 85		70,370 54	12,722 00	209,369 32		
1901-1902	144,425 00		5,213 32		40,360 93		3,874 14		71,997 30	663 00	207,790 90		
1902-1903	320,409 65		8,481 46		66,950 21		5,792 96		125,158 56	595 00	470,916 93		
1903-1904	255,772 36		11,829 08		158,452 66		5,911 96		81,550 46	1,081 00	397,344 33		
1904-1905	304,806 25		15,119 47		196,750 15		5,549 13		141,948 35	1,205 00	266,351 46		
1905-1906	417,834 25		21,571 25		154,128 04		4,879 13		141,948 35	976 25	292,684 55		
1906-1907	215,449 55		39,763 63		442,588 69		6,042 34		69,536 31	1,089 51	379,476 32		
1907-1908	301,693 73		71,139 47		656,303 03		7,737 29		148,914 00	1,283 50	473,608 91		

SESSIONAL PAPER No. 25

1908-1909.....	389,039 00	141,550 15	70,928 86	951,442 28	20,136 27	386 55	1,040 00	75,596 96	9,916 50	269,837 52
1909-1910.....	415,232 00	174,250 00	105,009 07	1,239,037 33	9,973 84	9,135 49	1,577 10	100,257 89	14,028 30	378,010 70
1910-1911.....	445,135 00	156,485 00	143,227 13	1,193,756 04	1,437 84	8,730 01	1,310 00	42,111 92	20,142 85	387,051 96
1911-1912.....	391,763 12	102,070 00	184,825 92	1,967,182 85	3,256 99	11,239 14	1,400 00	41,167 03	14,745 50	400,608 61
1912-1913.....	337,055 00	85,940 00	168,904 42	1,650,491 87	6,157 27	14,483 91	1,040 00	17,866 65	11,380 00	463,738 75
1913-1914.....	317,412 00	61,660 00	187,032 46	1,279,223 31	240 00	16,056 07	1,350 00	40,148 65	8,402 00	378,365 33
1914-1915.....	238,235 00	28,720 00	114,982 17	691,122 56	80 00	14,290 33	970 60	32,218 77	4,776 10	310,934 29
1915-1916.....	170,350 00	22,760 00	112,782 70	1,073,970 21	.....	11,485 83	470 00	19,495 98	3,475 00	378,960 68
1916-1917.....	112,110 20	14,690 00	112,711 33	2,707,203 99	.....	13,976 95	560 00	21,212 91	2,910 00	429,403 00
1917-1918.....	83,180 00	7,870 00	89,371 59	3,046,091 55	131 47	12,066 22	250 00	26,513 84	2,200 00	482,006 25
Total	5,790,784 09	1,002,736 16	1,569,732 91	21,638,180 85	3,820,732 98	194,729 76	19,926 70	1,721,964 03	315,418 29	8,428,752 53

STATEMENT showing Receipts on Account of Dominion Lands from July 1, 1872, to March 31, 1918.

Fiscal Year.	Grazing Lands.		Hay, Coal, Mining, Stone Quarries Export Tax on Gold, etc.		Canadian National Park.		Colonization Lands.		Gross Revenue.	Refunds.	Net Revenue.
	Cash.	Scrip, etc.	Cash.	Scrip.	Cash.	Scrip.	Cash.	Scrip.			
1872-73									26,239 45		26,239 45
1873-74									29,980 80		29,980 80
1874-75									27,641 15		27,641 15
1875-76									8,865 91		8,865 91
1876-77									140,755 02		140,755 02
1877-78									139,584 40		139,584 40
1878-79									234,732 93		234,732 93
1879-80									206,801 37	4,636 08	202,165 29
1880-81									506,990 54	5,038 22	201,952 32
1881-82									1,805,734 87	10,687 55	1,795,047 32
1882-83	2,245 00		40 00						1,051,403 60	8,746 05	1,042,657 55
1883-84	22,844 43		913 91						1,001,776 67	9,220 50	992,556 17
1884-85	11,370 60		640 90						451,564 65	12,070 85	439,493 80
1885-86	17,089 75	3,131 08	1,284 83						457,973 95	63,389 12	394,584 83
1886-87	29,562 51	39,487 67	1,570 40	80 00					588,532 80	19,543 16	568,989 64
1887-88	5,922 47	23,023 28	2,273 73	80 80					569,986 68	6,277 66	563,709 02
1888-89	2,407 69	16,802 63	3,946 55						594,088 04	5,226 23	588,861 81
1889-90	1,305 57	9,024 63	9,242 08						462,536 26	8,209 74	454,326 52
1890-91	3,079 55	16,193 77	8,628 44	160 00					460,390 76	7,195 27	453,195 49
1891-92	3,726 80	17,222 60	5,616 85						452,151 08	15,241 39	436,899 69
1892-93	6,880 80	11,542 39	6,263 13						392,324 43	18,314 97	374,009 46
1893-94	5,740 79	7,687 86	6,243 15						250,069 12	4,541 01	245,528 11
1894-95	5,353 72	8,628 00	5,239 51						202,983 10	4,365 99	198,617 11
1895-96	7,071 86	6,255 90	5,813 51						227,694 93	8,368 79	219,326 14
1896-97	4,715 01	2,500 00	8,518 18						206,833 57	15,010 54	191,823 03
1897-98		510 39	699,334 76						1,009,741 63	4,678 55	1,005,063 08
1898-99	5,245 88		1,130,371 60						1,584,228 32	32,296 39	1,552,031 93
1899-1900	8,382 86	4,083 30	1,038,195 42	50 00					1,503,743 00	23,062 28	1,480,680 72
1900-1901	4,726 28	14,671 99	1,101,808 33	20 00					1,874,159 09	18,368 85	1,855,790 24
1901-1902	7,292 46	8,409 27	737,878 43						1,432,679 25	27,165 55	1,405,513 70
1902-1903	13,913 33	15,041 33	607,722 05						1,890,886 83	21,519 84	1,869,366 99
1903-1904	19,790 27	15,202 15	495,579 18						1,681,824 70	36,721 75	1,645,102 95
1904-1905	36,145 32	5,237 36	364,973 59						1,709,382 35	25,786 90	1,683,595 45
1905-1906	51,583 89	80 00	296,769 19						1,709,315 28	33,418 36	1,675,896 92
1906-1907 (nine months)	43,711 91	400 00	213,852 39						1,490,503 31	35,117 48	1,455,385 83
1907-1908*	43,211 78	4,048 01	266,415 31						2,094,579 17	115,080 04	1,979,499 13

SESSIONAL PAPER No. 25

1908-1909	53,312 79	3,257 84	252,972 17	31,321 20	2,277,678 09	102,463 78	2,175,214 31
1909-1910	67,434 29	5,081 47	460,154 29	43,264 36	3,023,446 13	121,431 15	2,901,014 98
1910-1911	60,702 80	2,356 00	774,569 27	69,054 59	3,306,073 41	198,689 47	3,107,383 91
1911-1912	69,519 41	1,820 00	729,240 42	56,497 74	3,978,036 73	197,641 35	3,780,405 38
1912-1913	79,412 76	.....	779,695 53	37,448 72	3,653,202 20	246,105 26	3,409,996 94
1913-1914	84,926 15	320 00	889,863 15	48,800 33	3,313,819 65	277,309 33	3,036,510 32
1914-1915	101,710 58	400 00	1,600,455 09	37,895 97	3,176,851 36	317,764 75	3,879,086 61
1915-1916	118,955 02	100 00	483,280 07	37,493 53	2,443,630 92	113,942 57	2,999,697 35
1916-1917	128,341 50	.....	600,354 13	49,851 45	4,190,238 16	131,243 14	4,055,995 02
1917-1918	125,300 69	240 00	630,427 95	52,160 52	4,557,810 08	113,680 44	4,141,129 61
Total	1,271,107 87	242,515 92	14,231,487 25	593,106 53	30,460 50	2,352,643 35	59,278,581 42
			1,947 32	857,461 08			

SESSIONAL PAPER No. 25

STATEMENT of Revenue collected within the Canadian National Parks for the fiscal year ended March 31, 1918, as compared with the previous year.

Particulars.	Fiscal Years.		Increase.	Decrease.	Net Increase.
	1917-18.	1916-17.			
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
<i>Rocky Mountain Park.</i>					
Rent.....	7,561 94	9,835 33		2,273 39	
Timber dues.....	1,541 46	1,002 98	538 48		
Water rates (sulphur).....	779 86	1,166 66		386 80	
Cold water rates.....	7,026 78	7,640 53		613.75	
Sewer rates.....	2,552 80	2,882 58		329 78	
Transfer fees.....	106 00	118 00		12 00	
Cave and basin bathing tickets..	8,278 60	6,614 25	1,664 35		
Livery licenses.....	448 00	651 00		203 00	
Pool, billiard and bowling licenses.....	210 00	260 00		50 00	
Boat licenses.....	28 00	85 00		57 00	
Butcher licenses.....	60 00	120 00		60 00	
Grazing rental.....	397 00	382 00	15 00		
Hot Springs bathing tickets.....	6,612 50	4,905 65	1,706 85		
Telephone rent.....	2,018 86	1,876 96	171 90		
Fines.....	177 00	236 00		59 00	
Peddlers' licenses.....	62 00	86 00		24 00	
Guides' licenses.....	50 00	65 00		15 00	
Camping permits.....	61 00	47 00	14 00		
Cemetery lots.....	58 00	34 00	24 00		
Tea room licenses.....	220 00	140 00	80 00		
Hay Dues.....		3 00		3 00	
Sand.....	27 42	28 00		0 58	
Impounding fees.....	2 00	16 00		14 00	
Dog licenses.....	262 00	323 00		61 00	
Automobile licenses.....	2,489 00	1,078 00	1,411 00		
Scales.....	40 50	24 25	16 25		
Ice.....	6 00	306 23		300 23	
Sale of lime.....	15 35	15 25	0 10		
Theatre licenses.....	45 00	46 00		1 00	
Building permits.....	25 00	38 00		13 00	
Miscellaneous.....	98 56	94 26	4 30		
Restaurant licenses.....		30 00		30 00	
Coal royalty and fees.....		5 00		5 00	
Garden and dairy.....	100 00	25 00	75 00		
Gum machines.....	42 00	108 00		66 00	
Electricians' licenses.....	1 00	2 00		1 00	
Boxing licenses.....	10 00		10 00		
Stone quarries.....	119 45		119 45		
Golf coupons.....	2,069 00		2,069 00		
	43,632 08	40,290 93	7,919 68	4,578 53	3,341 15
<i>Glacier Park.</i>					
Rent.....	329 15	227 25	101 90		
Camping permits.....		6 00		6 00	
Gravel.....		290 50		290 50	
Grazing rental.....		18 00		18 00	
Timber dues.....	1 75	0 50	1 25		
Building permits.....	1 00		1 00		
	331 90	542 25	104 15	314 50	Decrease 210 35
<i>Jasper Park.</i>					
Timber dues.....	80 78	574 84		494 06	
Rent.....	3,895 80	1,654 14	2,241 66		
Building permits.....	13 00	51 00		38 00	
Boat licenses and ferry fees.....	5 00	3 50	1 50		
Hay dues.....		2 60		2 60	
Peddlers' licenses.....	12 00	6 00	6 00		
Fines.....	67 00	67 00			
Grazing rental.....	261 00	5 00	256 00		
Guides' licenses.....	27 50	18 00	9 50		
Drivers' and livery licenses.....	144 00	92 00	52 00		

STATEMENT of Revenue collected within the Canadian National Parks for the fiscal year ended March 31, 1918, as compared with the previous year.

—Continued.

Particulars.	Fiscal Years.		Increase.	Decrease.	Net Increase.	
	1917-1918.	1916-1917.				
	\$	cts.	\$	cts.	\$	cts.
<i>Jasper Park—Con.</i>						
Camping permits.....	85	50	80	00	5	50
Pool, billiard and bowling licenses.....	210	00	123	00	87	00
Dog licenses.....	176	00	131	40	44	60
Miscellaneous.....	7	25	10	00		2 75
Restaurant licenses.....	30	00	10	25	19	75
Telephone rent.....	25	00			25	00
Theatre licenses.....	10	00			10	00
Butcher licenses.....	20	00			20	00
Cold-water rates.....	223	00			223	00
	5,292	83	2,828	73	3,001	51
					537	41
						2,464 10
<i>Yoho Park.</i>						
Timber dues.....	27	00	29	00		2 00
Hay dues.....			1	50		1 50
Rentals.....	426	95	252	61	174	34
Transfer fees.....	4	00	4	00		
Camping permits.....			7	00		7 00
Cemetery lots.....	9	00	12	00		3 00
Grazing.....	33	25	74	00		40 75
Ice.....			0	25		0 25
Building permits.....			4	00		4 00
Miscellaneous.....	2	20	1	00	1	20
	502	40	385	36	175	54
					58	50
						117 04
<i>Waterton Lakes Park.</i>						
Rent.....	257	48	235	61	21	87
Camping permits.....	112	00	63	00	49	00
Timber dues.....	16	25	11	25	5	00
Fines.....	13	00	217	10		204 10
Guides' licenses.....	2	50	5	00		2 50
Grazing rental.....	777	92	715	54	62	38
Hay dues.....	2	50	1	50		1 00
Drivers' and livery licenses.....	22	00	2	00	20	00
Boat licenses.....	22	00	47	00		25 00
Transfer fees.....			2	00		2 00
Building permits.....	42	00	2	00	40	00
Tea-room licenses.....	20	00	10	00	10	00
Miscellaneous.....	20	00	20	00		
	1,307	65	1,332	00	209	25
					233	60
						Decrease 24 35
<i>Elk Island Park.</i>						
Timber dues.....			2	25		2 25
Camping permits.....	1	00	1	00		
Boat licenses.....			5	00		5 00
	1	00	8	25		7 25
						Decrease 7 25
<i>Buffalo Park.</i>						
Hay dues.....	80	10	7	20	72	90
Timber dues.....	7	50	7	50		
Miscellaneous.....	54	86	242	53		187 67
	142	46	257	23	72	90
					187	67
						Decrease 114 77

SESSIONAL PAPER No. 25

STATEMENT of Revenue collected within the Canadian National Parks for the fiscal year ended March 31, 1918, as compared with the previous year.
 —Concluded.

Particulars.	Fiscal Years.		Increase.	Decrease.	Net Increase.
	1917-1918.	1916-1917.			
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
<i>Moose Mt., Buffalo Park.</i>					
Hay dues.....		1 50		1 50	
		1 50		1 50	Decrease 1 50
<i>Antelope Park.</i>					
Grazing rental.....	905 20	205 20	700 00		
	905 20	205 20	700 00		700 00
<i>Fort Anne Park.</i>					
Hay dues.....	45 00		45 00		
	45 00		45 00		45 00
Totals.....	52,160 52	45,851 45	12,228 03	5,918 96	6,309 07

THE LAND SITUATION, Manitoba, Saskatchewan and Alberta, Corrected to January 1st, 1918.

Province.	Surveyed Area.			Unsurveyed Area.			Total Area.		
	Land.	Water.	Total.	Land.	Water.	Total.	Land.	Water.	Total.
	Manitoba.....	31,714,366	4,257,637	35,972,003	111,856,332	13,343,963	125,200,295	143,570,698	17,601,600	161,172,298
Saskatchewan.....	77,023,135	1,902,336	78,925,471	75,317,185	6,845,344	82,162,529	152,340,320	8,747,680	161,088,000
Alberta.....	84,372,309	2,284,610	86,653,919	74,506,351	2,219,130	76,725,481	158,878,660	4,503,740	163,382,400
Totals.....	193,109,810	8,444,583	201,554,393	261,679,868	22,408,437	284,088,305	454,789,678	30,853,020	485,642,698

A large proportion of the unsurveyed area has not yet been explored, except in a very partial way, and the area suitable for agriculture cannot be estimated with any degree of accuracy.

SESSIONAL PAPER No. 25

DETAILED STATEMENT of Surveyed Areas in Manitoba, Saskatchewan and Alberta, January 1, 1918.

	Manitoba.	Saskatchewan.	Alberta.	Total.
	Acres.	Acres.	Acres.	Acres.
Area under Homestead (including Military Homesteads).....	8,423,000	27,127,800	18,106,700	53,657,500
Area under Pre-emptions and Purchased Homesteads.....		5,897,000	2,854,900	8,751,900
Area under Northwest Half-Breeds Scrip, Sales and Special Grants.....	5,085,454	2,289,800	1,215,000	8,590,254
Area granted to Railway Companies.....	3,566,997	15,177,063	13,120,014	31,864,074
Area granted to Hudson's Bay Company.....	1,212,300	3,090,100	2,094,800	6,397,200
Area of School Land Endowment.....	1,585,400	3,967,400	3,457,800	9,010,600
Area sold under Irrigation System.....		76,921	980,680	1,057,601
*Area under Timber Licenses.....	1,119,400	1,141,100	1,315,200	3,575,700
*Area under Grazing Leases.....	66,500	2,723,200	2,563,100	5,352,800
*Area of Forest Reserves and Parks.....	2,606,400	6,193,700	16,813,400	25,613,500
*Area Reserved for Forestry Purposes (Inside Surveyed Tract).....	746,300	1,430,000	1,666,000	3,842,300
*Area of Road Allowances.....	972,848	1,464,041	1,275,049	3,711,938
Area of Parish and River Lots.....	503,647	82,542	118,564	704,753
Area of Indian Reserves.....	433,860	1,131,122	1,368,156	2,933,138
Area of Indian Reserves Surrendered.....	87,560	332,746	302,046	722,352
*Area of Water-covered Lands (Surveyed Area)....	4,257,637	1,902,336	2,284,610	8,444,583
Area now available for entry.....	5,304,700	4,896,600	17,120,900	27,322,200
Total Surveyed Area.....	35,972,003	78,925,471	86,656,919	201,554,393

*Area now available for cultivation.

9 GEORGE V, A. 1919

STATEMENT of Land Sales by Railway Companies having

Year.	Hudson's Bay Company.		Canadian Pacific Railway Company.		Manitoba South-western Colonization Railway Company.		Qu'Appelle Long-Lake and Saskatchewan Railroad and Steamboat Company.	
	Acres.	Amount.	Acres.	Amount.	Acres.	Amount.	Acres.	Amount.
		\$		\$		\$		\$
1893			93,184	295,288	14,164	57,559	1,603	.....
1894	7,526	48,225	43,155	131,628	6,312	28,003	640	.....
1895	4,431	23,209	55,453	176,950	5,623	22,330	2,391	.....
1896	9,299	52,410	66,624	220,360	21,254	88,568	286	.....
1897	10,784	53,277	135,681	431,095	63,800	634,644	2,524	.....
1898	62,000	310,000	242,135	757,792	106,473	363,982	22,534	.....
1899	56,875	274,625	261,832	814,857	58,019	199,558	61,030	178,517
1900	70,196	352,631	379,091	1,152,836	133,507	437,449	18,932	53,974
1901	82,308	399,804	339,987	1,046,665	59,749	214,903	22,266	74,810
1902	269,577	1,412,532	1,362,478	4,440,500	206,411	713,365	39,835	147,365
1903	330,046	1,939,804	2,260,722	8,472,250	250,372	699,210	843,900	1,476,900
1904	144,857	879,910	857,474	3,516,864	29,522	113,303	.....	.....
1905	139,721	865,905	411,451	2,015,800	80,342	296,936	.....	.....
1906	236,191	1,863,375	1,012,322	6,015,060	83,418	360,889	.....	.....
1907 9 months to March 31	69,158	742,221	851,083	4,817,632	3,051	22,645	1,353	16,789
1908	21,184	26,215	81,060	727,367	31,982	153,007	5,621	68,869
1909	25,449	288,856	29,331	383,390	10,396	84,845	37,662	380,371
1910	104,382	1,297,454	655,585	10,473,425	14,501	126,950	106,000	964,600
1911	267,038	3,747,768	715,095	10,372,661	20,313	284,859	113,533	1,237,204
1912	42,554	808,943	855,280	12,420,488	18,932	117,497	35,213	495,116
1913	58,581	1,128,806	447,158	6,348,352	2,768	48,639	15,395	255,399
1914	26,292	572,837	263,962	4,242,089	7,626	91,948	1,629	21,546
1915	16,400	306,550	151,262	2,496,872	489	5,508	1,292	19,118
1916	79,310	1,273,144	242,215	3,670,421	4,780	58,808	12,246	180,361
1917	254,941	4,234,244	405,764	6,612,040	12,470	165,245	21,533	331,596
1918	386,394	6,914,947	545,285	11,044,883	25,933	321,005	49,723	783,062
Total.....	2,770,494	30,058,472	12,764,667	103,127,565	1,272,207	5,311,605	1,417,141	6,685,597

SESSIONAL PAPER No. 25

Government Land Grants, and by the Hudson's Bay Company.

Calgary and Edmon- ton Railway Com- pany.		Canadian Northern Railway Company.		Great Northwest Cen- tral Railway Company.		Totals.		Average per cent.	
Acres.	Amount.	Acres.	Amount.	Acres.	Amount.	Acres.	Amount.		
	\$		\$		\$		\$	% c.	
11,260						120,211	352,847	2 93	
11,035						68,668	207,856	3 02	
46,815						114,713	222,489	1 94	
10,553						198,016	361,338	3 34	
9,436						222,225	719,016	3 23	
15,481						448,623	1,431,774	3 18	
24,738	53,335					462,494	1,520,792	3 28	
46,653	128,256					648,379	2,125,146	3 27	
116,719	352,037					621,027	2,088,269	3 36	
323,494	1,033,396					2,201,795	7,746,958	3 56	
231,800	909,600	183,736	631,503	128,435	522,490	4,229,011	14,651,757	3 46	
129,007	563,507	64,469	313,375	41,858	177,081	1,267,187	5,564,240	4 39	
199,191	512,898	231,707	1,221,469	17,593	103,564	990,005	5,046,372	5 09	
85,784	480,063	204,966	1,014,351	20,003	137,503	1,642,684	9,871,241	6 01	
59,515	346,064	289,576	1,711,109	4,023	41,470	1,277,759	7,697,930	6 02	
8,606	75,644	196,946	1,746,504	1,294	13,855	346,693	3,052,461	8 80	
6,370	66,508				165	7,935	109,373	11 08	
18,323	182,926	285,428	2,783,010	571	6,863	1,184,799	15,835,228	13 36	
11,820	116,231	277,414	3,336,797	1,438	27,417	1,406,651	19,122,937	13 59	
10,853	154,424	365,926	4,216,578	632	11,373	1,329,390	18,224,419	13 70	
4,155	44,212	182,491	2,009,642	1,601	32,105	707,149	9,867,155	13 95	
19,375	460,129	182,491	2,009,642			591,575	7,398,191	14 75	
23,042	444,918				316	6,965	192,801	3,279,031	17 01
11,689	172,033			4,646	81,182	354,886	5,435,949	15 32	
33,821	573,875	17,796	298,938	8,829	141,439	755,154	12,357,377	16 35	
53,335	815,628	39,546	732,351	16,021	275,724	1,116,237	20,887,600	18 71	
1,433,070	7,484,784	2,522,492	22,025,469	247,425	1,586,966	22,427,496	176,280,458	7 86	

PROGRESS IN THE NORTH.

NORTHERN MANITOBA MINERAL BELT.

Of the 424 miles of the Hudson Bay railroad, 92 are still to be laid, but the part of the line now completed from The Pas serves in part the needs of the mineral belt of northern Manitoba. North of the railroad, drilling has been continued in the sulphide deposits, and ore has been crushed with good results; south of the railroad new discoveries of gold-bearing quartz are lately reported from the Hayes river. Government wagon roads now connect Sturgeon lake with lake Athapapuskow, and Herb lake with the railroad. Now that the output of the district is assured, hopes are turning to the erection of a smelter. Though proving the high grade of the ore, it is a handicap to ship, as is now the case, for a distance of 1,200 miles to the smelter at Trail, B.C.

WATER-POWERS.

The water-power of northern Manitoba is derivable from several distinct systems. North of the Hudson Bay railroad there are the rapids of the Churchill e.g., at Granville fall; on the Nelson river, there is among other development sites, one where the river narrows to 200 yards at the Kettle Crossing. Where the Saskatchewan flows into lake Winnipeg at Grand Rapids is at present the best known undeveloped water-power of this region. There is a plan in hand to build a dam which can be used as a bridge for the extension of the railroad from Gypsumville on the Canadian Northern. Power (80,000 horse-power) can here be developed for the manufacture of the large body of pulpwood around Cedar lake, and for transmission to The Pas and the mineral belt.

The total horse-power from the above water systems is roughly put at three and a half millions—a potential energy available in time not only for the local needs of manufacturers and miners but also for the electrification of railroads and, above all, for the production of nitrogen. "The use of water-power on a large scale is the principal method of extracting nitrogen from the atmosphere and rendering it available for practical use." The necessities of the war have now rendered the production of nitrates and nitric acid from this source familiar and economical in countries where the water-powers are trifling in comparison with those of the Dominion.

COAL, GAS, ETC.

Further search has proved the existence of a large area of comparatively high-grade coal in the district adjoining Hudson Hope and Peace River in northern Alberta, and drills have tapped the flow of natural gas.

With the crying demand for such minerals as potash and platinum, the slightest clue to their discovery should be followed up. Slight traces of platinum occur in connection with the gold quartz recently taken from Herb lake, and there are well-founded hopes of potash discoveries in relation to the very thick beds of gypsum on the Peace river near Peace point.

LAND FOR SOLDIER SETTLEMENT.

A large amount of land has been set aside for this purpose in Manitoba, Saskatchewan and Alberta, not only in the more populous districts, but in those specially alluring to the pioneer, e.g., in the Peace River district and in the High, Grand and Pouce Coupée prairies.

SESSIONAL PAPER No. 25

RAILROAD CONSTRUCTION.

Railroad building, owing to the steel shortage, has been held up generally, and the last 92 miles of the Hudson Bay railroad are still dormant. The Central Canada Railroad bridge at Peace River will be completed in the spring of 1919. In August, 1918, the Nelson river was bridged at Kettle rapids.

PULPWOOD.

A large area of pulpwood lies around Cedar lake, and another, estimated at six million cords, on the line of the Hudson Bay railroad near The Pas. Fires in the past have ravaged other large areas, but the new growth is said to be nearly suitable for use. One of the many services which will be found for the air-plane after the war will be in the Forestry Service. Any sign of smoke or fire will be instantly detected by the flying ranger, and wireless hurry-calls will quickly assemble the help available.

FISH.

Lesser Slave lake continues to ship its frozen white fish, and it is estimated that at least 100 cars of fish went out of Pas in the past season. Cheap fish is now a necessary antidote to the luxury of meat, and Canada's fish yield knows no limits.

THE DOMINION ASTRONOMICAL OBSERVATORY.

During the fiscal year 1917-18, the 15-inch equatorial has been employed as formerly in the determination of the radial velocities of spectroscopic binary stars, with the view of securing the elements of their orbits; 350 plates have been secured on 136 nights, the exposures averaging much longer than in previous years, owing to the poor observing weather and fainter stars. Four orbits were completed during the year, and a number of others are under computation.

With the coelestat telescope and grating spectrograph, 243 plates were obtained. These include 1,200 photographs, each comprising from 7 to 9 simultaneous registrations of spectra from various parts of the sun's disc, with iodine absorption and electric arc spectra in some cases. The observations cover several important problems in solar and terrestrial spectroscopy. A supposed "cyclic variation" in the rate of the solar rotation has been explained quite definitely as due to changes in haze, as suggested in the last report. Measurements of the equatorial velocity of the sun's rotation from the limb spectra yield values several per cent smaller than simultaneous measurements of spectra from points midway between limbs and centre of the solar disc. Variations in spectroscopic measurements of the solar rotation have been found to synchronize with variations in solar radiation, both being affected by terrestrial, interplanetary or solar haze. The dust from the volcanoes in the West Indies in 1902 and from Katmai, Alaska, in 1912, produced marked lessening in both measurements at various points on the earth; and there is reason to suppose that Canadian crops were lessened at the same time.

With the 6-inch camera 146 plates were obtained with over 400 exposures, and light variations of spectroscopic binaries studied. Several fields of stars of well-established magnitudes have been selected and photographed to provide a means for comparing our photometric scale with those of other observatories.

The seismographs at the Observatory, together with a deformation instrument for detecting earth tides, have been in constant operation, and during the year, 10½ earthquakes have been recorded. A wave-counter or undagraph has been maintained at Chebucto Head, Nova Scotia. Two other seismographs, one at the University of Saskatchewan, Saskatoon, and the other at Dalhousie University, Halifax, report regularly to the Observatory. The Halifax seismograph was of considerable assistance in the recent explosion investigation, giving authoritative evidence of the exact time the explosion occurred.

GRAVITY WORK WAS SUSPENDED FOR THE TIME BEING.

Observations with the meridian circle were obtained on 105 nights; they were devoted in part to determinations of clock error for longitude work and the purposes of the Time Service, and in part to a continuation of observations for right ascension and declination on a selected list of stars, to be incorporated in a star-catalogue. The list has been selected with a view to use in observations for latitude and longitude, as well as being a contribution in the general field of position astronomy. Three observers took part in the work. The printing chronograph was used throughout the year for the registration of transits.

Field observations for latitude and longitude were carried out at one station on the boundary between British Columbia and Alberta. Ottawa was the base for the longitude determination, the exchange of time-signals being along 3,000 miles of continuous wire.

The Time Service has been maintained as in previous years. There are now nine secondary master-clocks synchronized continuously from the Observatory; these in turn control 377 clocks and dials of various kinds in government offices. In addition, relays beating seconds are maintained in two offices in the city; time-signals are sent out by telegraph and telephone, and the time is recorded on the various seismographs at the Observatory.

Our wireless apparatus has been used from time to time for receipt of Arlington signals, and their comparison with our standard time. No longitude by wireless has been determined during the year.

WATER POWERS.

As a result of the war and the necessity for preparation for the reconstruction period following it, departmental officials have been giving special attention to the investigation and administration of water-power resources, especially in Western Canada. Cheap power promises to be one of this country's greatest assets in the post bellum rivalry of nations for world trade. Canada's great fuel reserves, supported by her water-power resources, represent a sure source of cheap power, and guarantee her share in world trade, provided they are availed of to their maximum possible advantage.

One of the most important and far-reaching factors in England's quick recovery from the exhaustion of the Napoleonic Wars was the industrial impulse of the steam engine. The impetus to industry from cheap and unlimited electric energy, whether from coal or water-power, will, undoubtedly, prove as great a factor in the recovery of nations following the present world war. That nation which has a dependable source of power, capable of producing energy cheaper than other nations, will have a tremendous advantage.

Recognized experts on fuel and power matters generally, assure us that no country is more fortunate in respect of her fuel and power resources than is the Dominion of Canada.

The interdependence and inter-relation of all the varied fuel-power agencies available in Canada—water-power, coal, oil, and gas—necessitates some immediate and constructive organization for effecting their co-ordinate, concomitant development and use. The main function of such an agency should be the evolution of a national master fuel-power policy applicable to all parts of the Dominion, and which will realize the maximum advantageous use of every fuel-power element.

Probably the most efficient, effective, inexpensive, and immediate method of achieving such result would be the formation of a fuel-power board consisting of the government officials from the different federal departments who have for years been giving special attention to particular phases of the power problems of the Dominion,

SESSIONAL PAPER No. 25

and who have, as a direct result amassed in their respective offices a great deal of valuable data concerning the present use and possibility of further use of the fuel and power resources.

In connection with water-power problems throughout the country the water-power officials of the department have assisted and co-operated effectively with the International Joint Commission, the Conservation Commission, the Honorary Advisory Council for Scientific and Industrial Research, the Nova Scotia Water Power Commission, various provincial departments, and also the Dominion Bureau of Statistics. Notwithstanding the very large percentage of officials of the Dominion Water Power Branch serving overseas, essential work has been maintained without undue loss of efficiency or reduction in effective results. It has been readily acknowledged that essential data covering water-power sites feasible and economical of development within a reasonable time should be obtained and made generally available. There never was a time in the history of Canada when it was more important that the obtaining of such data should be made prompt and certain.

IRRIGATION.

In consequence of the campaign for increased production, the settlers in southern Saskatchewan and Alberta have been directing most of their energies towards dry-farming operations, and have paid very little attention to the construction of irrigation works or irrigated farming, as the latter requires more expert labour than the former.

This action has no doubt to a certain extent been justified by the splendid crop yields obtained in the past two or three years, without the aid of irrigation. Time will, however, prove that the practice of irrigation is the only means by which the settlers in this portion of the west can in all years be assured of good returns for their labour, as the productivity of the soil is only limited by the amount of moisture that can be stored in it.

Our irrigation engineers have been instructed to co-operate with the settlers by giving advice regarding the best methods of irrigating, the most suitable crops to grow, having regard to the different soils, and in quite a number of cases they have laid out comprehensive drainage systems to take care of the excess irrigation water, and in this way avoid certain areas becoming water logged or alkalied.

Hydrometric surveys (stream measurements) have been continued as in former years, as their value largely depends upon securing regular records covering a period of years. A few changes have been made in the location of gauging stations. Some of the older ones at which we have obtained records for a number of years having been dropped, and a few new stations, where actually required, added.

WATER SUPPLY INVESTIGATIONS.

In portions of southern Alberta and Saskatchewan great difficulty has been experienced by settlers in securing domestic water supplies. The situation has become more critical as the country has become more closely settled.

Last year, as a result of action taken by the Lethbridge Board of Trade, a "water conference" was held at Lethbridge, the result of which has been to secure closer co-operation between the Dominion and Provincial Governments of Alberta and Saskatchewan, in investigating all possible water supplies in the districts directly affected. The irrigation branch are investigating all cancelled stock-watering reserves with a view to the continued reservation of any of them that may be useful in connection with domestic water supplies.

During the past year the engineers of the irrigation branch have investigated a large number of wells and other sources of water supply, in order to determine their

9 GEORGE V, A. 1919

nature, the quantity of water available, and their permanence. These investigations will be continued, and it is expected that, in time, the information gained will help in solving the present difficulty.

The Provincial Governments have been co-operating by constructing, wherever possible, small dugouts or reservoirs for the storage of waters usually collected during the early spring run-off. A large number of these have been inspected by irrigation engineers during the past year, and licenses have been issued by this department covering the storage of water in the same, and its use by the public.

IRRIGATION SURVEYS.

Owing to the high cost of material and labour, very little construction work is being undertaken, and it has not been considered necessary or in the interests of economy to continue any large survey parties in the field. A large number of inspections, however, have been made in connection with industrial water supply schemes, and a few investigations in connection with small drainage schemes.

W. W. CORY,

Deputy Minister.

PART I.

DOMINION LANDS

DOMINION LANDS.

REPORT OF THE COMMISSIONER, J. W. GREENWAY.

Applications for Patent—

Number examined..	40,572	45,752
New applications..	20,281	20,923
Applications accepted and notifications sent out..	18,163	19,832

REPORT OF THE CHIEF INSPECTOR OF DOMINION LANDS AGENCIES, H. G. CUTTLE.

During the year ending March 31, 1918, I held many investigations in connection with Dominion Lands, six of which were under oath, authorized by Order in Council, and thirty-two of a less serious nature. I have on hand, at the present time, eleven investigations to dispose of, three of which are under oath, and eight where sworn statements will have to be taken.

I visited all the Land Offices in Manitoba, Saskatchewan, and Alberta during the year, and found everything very satisfactory, and the work well kept up to date. During the past year the Land Offices were in a better position to handle the seed grain and relief collections, and there was not nearly the congestion as there was in former years.

On the 1st day of August, I opened up my central office for the collection of seed grain and relief indebtedness at Moosejaw. My staff at that point was augmented by employees of the department from the different Land Offices throughout the West, and I engaged a few other parties to assist in the work for a short period.

The collections this year were not as large as the year previous, as the crops in a good many districts were poor. From April 1, 1917, to March 31, 1918, the receipts for seed grain and relief indebtedness amount to \$2,503,037.74, and the total collections of seed grain and relief indebtedness to March 31, 1918, amount to \$7,894,088.51.

For the summer months I made out new lists of indebtedness, and furnished each homestead inspector with one covering their homestead inspection district. Under their instructions, they are supposed to collect as much seed grain indebtedness as possible while on their usual inspection work without extra cost to the department.

I received several complicated investigations from Head Office in connection with seed grain and relief, and disposed of one hundred and thirty-five. I have on hand at the present time, thirty-four.

During the latter part of the year, a general reorganization of the western offices took place, and the following agencies were closed: Red Deer, High Prairie, Weyburn, Yorkton, Medicine Hat, Humboldt, Maple Creek.

The following sub-agencies were also closed: Estevan, Hanley, Willow Bunch, Castor, Olds, Vulcan, Canora, Rosthern, Wilkie, Grassy Lake, Sedgewick, Shelo, Unity, Biggar, Lacombe, Trochu, Punniichy, Blaine Lake, Brooks, MacLeod, Vegreville.

9 GEORGE V, A. 1919

Red Deer was attached to Calgary. Yorktown Agency was partly attached to Saskatoon and Moosejaw. Humboldt partly attached to Prince Albert and Saskatoon, High Prairie to Peace River, Medicine Hat to Lethbridge, Maple Creek to Swift Current, and Weyburn to Moosejaw.

There was also a reduction in the number of homestead inspectors in the West, and a general rearrangement of the staffs of the different offices affected. In some cases the services of employees were dispensed with, while others were transferred to the busy offices.

REPORT OF THE INSPECTOR, O. NEFF, OF DOMINION LANDS
AGENCIES, BRANDON.

DOMINION LANDS AGENCIES.—Manitoba and Saskatchewan.—Principal Transactions
for the Departmental Year ending March 31, 1918.

Agencies.	Home- stead entries granted.	Land Sales.			S. A. Scrip.	Appli- cation for Patent re- ceived.	Land Entries can- celled.	Permits Issued.	
		Ordin- ary and School Lands.	Pre- em- ptions	Pur- chased Home- steads.				Timber	Hay.
Battleford.....	353	57	24	10	.....	811	268	169	879
Dauphin.....	725	36	.....	.....	.....	322	393	474	469
Humboldt (closed Mar. 8)	279	29	.....	.....	4	376	138	85	568
Moose Jaw.....	421	25	131	35	.....	2,686	462	5	1,044
Maple Creek (closed Mar. 21).....	300	5	161	27	.....	2,952	267	41	643
Prince Albert.....	556	62	.....	2	1	625	322	555	674
Saskatoon.....	226	43	70	25	.....	1,600	234	23	647
Swift Current.....	320	10	128	18	.....	2,383	319	4	514
The Pas.....	.....	7	.....	.....	.....	.....	.....	38	17
Winnipeg.....	868	80	.....	.....	.....	666	582	.....	.....
Weyburn (closed Mar. 14)	137	7	55	11	.....	441	154	3	517
Yorkton (closed Mar. 7)...	138	53	.....	.....	.....	384	87	24	316
Total.....	4,323	414	569	128	5	13,246	3,326	1,422	6,288
Compared with 1916-17...	6,714	359	1,010	157	1	13,351	4,571	1,367	6,235
Compared with 1915-16...	10,212	378	1,699	219	.....	11,819	7,365	1,907	6,768

SESSIONAL PAPER No. 25

DOMINION LANDS SUB-AGENCIES.—Manitoba and Saskatchewan.—Work performed during the Departmental Year ending March 31, 1918.

Name.	Sub-agency.	Applications for—						
		Home- steads.	Pur- chased Home- steads.	Pre- em- ptions.	Patent.	In- spec- tor.	Timber Per- mits.	Hay.
S. Einarsson.....	Arborg.....	13			17	9		
T. G. Ross.....	Assiniboia.....	114	10	38	606	197	1	160
J. Roberts.....	Blaine Lake.....	36	2		67	26	37	52
H. P. Turner.....	Biggar.....	30		8	210	53	79	66
Mrs. M. Bucke.....	Brandon.....	84			28	5		3
A. H. Bomford.....	Canora.....	17			81	13	1	12
J. Cusack.....	Empress.....	34		15	513	68	2	18
J. Templeman.....	Estevan.....	15	1	1	23	16	1	50
Wm. Banks.....	Gull Lake.....	14	3	7	299	45		49
J. Wiebe.....	Herbert.....	10	1	5	144	27	2	63
Geo. Gregg.....	Hanley.....	6		1	65	13		6
A. Read.....	Kerrobert.....	42	2	21	162	44	1	26
J. H. Elliott.....	Kindersley.....	34	3	5	218	39		17
W. H. Holland.....	Lloydminster.....	31			64	22	18	22
J. T. McCordie.....	Meadow Lake.....	10			15	8	17	61
A. Featherstonhaugh.....	Macklin.....	15	1		124	21		
W. Young.....	Melfort.....	73			125	43	23	35
W. Deans.....	North Battle- ford.....	108	1		133	44	26	127
J. J. McGurran.....	Nokomis.....	50		3	31	24		17
W. Giroux.....	Ponteix.....	138	3	84	577	205		31
E. C. Medland.....	Punnichy.....	10			22	8	1	27
D. McMurphy.....	Preeceville.....	49			118	41	15	34
V. W. Johnson.....	Rosburn.....	12			5	5		1
E. St. G. Hodson.....	Rosthern.....	4			30		1	13
J. H. Canham.....	Sprague.....	31			3	10	0	5
S. G. Maddock.....	Shellbrooke.....	64			115	32	32	37
B. T. Tucker.....	St. Rose du Lac.....	176			31	26	34	50
A. E. Reid.....	Swan River.....	51			37	33	50	11
W. M. Spencer.....	Sheho.....	4			41	4		32
J. V. Ablott.....	Shaunavon.....	82	16	30	673	195		4
D. Hughes.....	Turtleford.....	42			146	25	12	29
Wm. Buxton.....	Tisdale.....	147			132	45	25	26
S. Humphreys.....	Unity.....	39	2	15	153	40	2	85
J. J. Gunn.....	Wilkie.....	10		1	25	8		32
Miss M. Langstaff.....	Wadena.....	72			108	39	3	30
S. Lytwyn.....	Winnipegosis.....	42				1	3	35
P. Lapointe.....	Willow Bunch.....	56	10	20	319	98	2	77
F. N. Rowe.....	Wynyard.....	23			64	16		34
Totals.....		1,794	55	254	5,552	1,548	395	1,377
Compared with 1916-1917.....		2,364	72	375	5,850	2,175	418	1,406
Compared with 1915-1916.....		3,986	82	630	5,314	2,631	768	1,635

REPORT OF INSPECTOR OF DOMINION LANDS AGENCIES,
J. W. MARTIN, CALGARY, ALTA.

DOMINION LANDS AGENCIES.—Alberta and British Columbia.—Principal Transactions
for the Departmental Year ending March 31, 1918.

Agencies.	Home- stead Entries granted	Land Sales.			S. A. Scrip	Appli- cations for Patent received	Land Entries cancelled	Permits Issued.	
		Ordin'y and School Lands.	Pre- emp- tions.	Pur- chased Home- steads.				Timber	Hay.
Calgary.....	292	36	71	26	2,548	338	265	603	
Edmonton.....	1,535	150		2	1,646	1,399	1,638	1,039	
Grande Prairie.....	886	32			380	269	365	347	
High Prairie (closed).....	116	7			18	41	35	53	
Kamloops.....	127	34			82	34	360	21	
Lethbridge.....	91	36	18		473	103	190	58	
Medicine Hat (closed).....	2,671	11	125	29	1,433	384	147	251	
New Westminster.....	33	4			22	32			
Peace River.....	451	24			337	146	356	176	
Revelstoke.....	18	3			19	26	86		
Red Deer (closed).....	166	16	17	17	523	154	129	440	
Totals.....	6,386	347	231	74	7,481	2,920	3,571	2,988	
Total 1916-17.....	4,815	312	457	110	8,053	3,871	3,604	3,076	

SESSIONAL PAPER No. 25

DOMINION LANDS SUB-AGENCIES.—Alberta and British Columbia.—Work performed during the Departmental Year ending March 31, 1918.

Name of Sub-Agents.	Sub-Agencies.	Home- steads.	Pur- chased Home- steads.	Pre- emp- tions.	Applications for		Timber Per- mits.	Hay Per- mits.
					Patents	Inspection.		
Spicer, S. E.	Alsask	33	3	15	516	87		41
Rennison, G.	Athabaska	91			114	54	27	91
Ostigny, N.	Bonnyville	74			36	11	21	100
Binns, H. P.	Brooks	6			109	15		1
Mercer, R. M.	Castor	22	6	5	123	28		22
Glover, Frank	Edson	21			63	14	6	9
Brown, Alex.	Entwistle	23			60	12	20	33
Cusack, J.	Empress	71	7	39	354	142		20
McGowan, J.	Frog Lake	15			36	14	15	10
Potts, Cecil	Ft. McMurray	2			8	1		
Barber, J. C.	Ft. St. John	10			9	3		3
Morden, A. L.	Ft. Vermilion	13					6	39
Requier, E. E.	Donnelly	66			82	21	101	24
Gody, J. G.	Golden	14			8	4	25	
Snowdon, T.	Grassy Lake	10	1	3	149	26		
Trenaman, J. C.	Hanna	28	7	10	399	71		60
Cameron, A. J.	Lacombe	7			14	5	2	7
Prince, A.	Lac la Biche	45			38	22	18	72
Holland, W. H.	Lloydminster	10			38	11	4	12
Whitaker, J.	Mossids	21			51	7	10	12
Rhodes, C. C.	Macleod	6			40	11	6	3
Craig, R. A.	Olds	7			23	3		3
Rogers, M. J.	Orion	8	1	6	106	13		1
McDonald, S. A.	Pine Creek	18			54	21	70	
Fleming, W. S.	Provost	53	9	15	240	66	1	40
Saloway, G.	Pouce Coupé	72			103	40	84	34
Hankinson, R. T.	Ry. Mt. House	34			78	33	29	8
Lacey, J. E.	Salmon River	13			11	3		
McDonald, J. S.	Sedgewick	25			58	26		5
Grey, W. B.	Stettler	21	1	3	118	29		25
Fildes, J. W.	Spirit River	106			49	70	67	37
Racicot, B.	St. Paul de Métis	36			97	30	36	52
LaPlante, J. R.	St. Lina	40			79	38	18	13
Garrick, W. H. S.	Trochu	3	3		30	8		
Wilson, F.	Vegreville	9			25	12	10	17
Flood, A. J.	Vulcan	2			41	4		7
Mace, Job.	Vermilion	32	1		93	31	9	26
Todd, H. E.	Wetaskiwin	33			15	22	62	10
Torgerson, J.	Whitecourt	12			13	8	7	2
McLeod, W. H.	Wainwright	50	1		85	48		16
Laight, E. V.	Wabamun	6			25	7	1	7
Hughson, W. S.	Whitford	1			44	6	57	1
Alton, B. C.	Westlock	57			62	24	72	52
Rayment, M.	Youngstown	42	3	13	668	139		83
Wenham, M.	Yeoford	15			27	14	15	11
Total		1,283	44	109	4,391	1,254	799	1,009

9 GEORGE V, A. 1919

STATEMENT showing Principal Work performed by Homestead Inspectors in Alberta and British Columbia for Departmental Year ending March 31, 1918.

Name of Homestead Inspector.	Headquarters.	Land Inspections made.	Applications for Patent taken.
Benzie, J. M.....	Kamloops.....	686	16
Blackwell, A. J.....	Edmonton.....	18	1
Creighton, H. E.....	Red Deer.....	198	104
Cunningham, T. J.....	Edmonton.....	316	54
Cook, H.....	Revelstoke.....	149	6
Doze, I. S.....	Edmonton.....	426	9
Fletcher, J.....	Grande Prairie.....	182	
Fleming, G. W.....	Calgary.....	194	27
Gerow, H. S.....	Medicine Hat.....	31	
Griffin, A. H.....	Edmonton.....	419	28
Grasse, P. L.....	Red Deer.....	124	6
Hagen, S. C.....	Edmonton.....	460	48
Huntley, J. R.....	Medicine Hat.....	134	1
Horne, J. A.....	Edmonton.....	124	3
Kembrey, R. A.....	Calgary.....	226	94
Key, A. E.....	High Prairie.....	62	2
Letson, W. A.....	Edmonton.....	126	24
Magee, W. D.....	New Westminster.....	119	
McMullen, J. E.....	Peace River.....	189	13
McCowan, H. S.....	Edmonton.....	366	34
Scott, Hugh.....	Lethbridge.....	187	61
Switzer, Wm.....	Medicine Hat.....	147	7
Tempany, Wm.....	Calgary.....	138	7
Woodlock, P. A.....	Calgary.....	249	47
Wynne, A. E.....	Edmonton.....	152	22
Total.....		5,416	614
Total 1916-17.....		5,337	748

Some of the above Homestead Inspectors have, in addition to their regular duties, devoted a great deal of their time to Seed Grain and Soldiers Settlement Work.

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, L. P. O. NOEL,
BATTLEFORD, SASK.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead entries	353	\$ 3,610 00	
Pre-emption entries	22	240 00	
Purchased homestead entries	10	100 00	
Improvements	55	2,106 80	
Land sales	55	3,648 18	
Pre-emption payments	266	82,194 18	
Purchased homestead payments	83	13,977 20	
Searches	333	83 25	
Applications for patent	811	. . . . .
" " cancellation	171	. . . . .
Entries cancelled	334	. . . . .
Sundries	5	664 45	
Total		-----	\$106,624 06
 Timber and Grazing Branch—			
Timber permits	167	\$ 381 25	
" " excess payments	39	149 18	
" seizures	5	151 05	
Hay permits	388	1,014 20	
Grazing rental, cash	384	1,449 68	
Hay permits, excess payments	1	5 10	
Total		-----	3,150 46
 Forestry Branch—			
Permit fees and rentals	231	\$234 20	
" " " excess payments	2	6 00	
Grazing rent, etc.	86	796 15	
Camping . . . . .	. . . . .	0 25	
Hay dues, etc.	24	96 35	
Total		-----	1,132 95
 Mining Lands and Yukon Branch—			
Mining fees	1	\$ 2 50	
Assessment payments	1	11 32	
Total		-----	13 82
 School Lands Branch—			
General sales	1	\$ 14 00	
Timber permits	1	2 25	
" " excess payments	1	3 00	
Hay permits	626	1,157 40	
" " excess payments	6	7 80	
Grazing rentals	293	3,700 13	
Cultivation permits	2	150 00	
Total		-----	5,034 58
 Miscellaneous—			
Seed grain and provision payments	264	\$21,587 65	
Sundries	7	253 70	
Total		-----	21,841 35
Grand total		-----	\$137,797 22

REPORT OF THE AGENT OF DOMINION LANDS, W. E. TALBOT,
CALGARY, ALTA.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees..	456	\$ 4,560 00	
Pre-emption fees..	87	870 00	
Purchased homesteads..	42	420 00	
Improvements..	199	9,826 58	
Land sales..	46	4,775 41	
Pre-emption payments..	2,045	572,278 54	
Purchased homestead payments	314	48,877 15	
Searches, etc..	450	110 00	
Applications for patent..	3,071	.....
" cancellation..	558	.....
Entries cancelled..	491	.....
Total..		-----	\$641,717 68
 Seed Grain Branch—			
Seed grain and provision payments..	1,845	\$217,301 00	
Total..		-----	217,301 00
 Timber and Grazing Branch—			
Bonus..	1	\$1,100 00	
Ground rent..	36	2,439 68	
Royalty on sales..	39	9,833 07	
Timber permits..	269	6,832 23	
" seizures..	13	474 76	
Hay permits..	113	399 38	
Grazing rentals..	627	6,581 92	
Sundries..	8	73 99	
Total..		-----	27,735 03
 Forestry Branch—			
Permit fees and rental..	148	\$10,711 46	
Seizures..	4	44 79	
Grazing rent..	67	2,511 26	
Hay dues..	19	86 15	
Total..		-----	13,353 66
 Irrigation Branch—			
Sales..	7	\$541 32	
Reservoir rental..	1	119 25	
Total..		-----	660 57
 Mining Lands and Yukon Branch—			
Mining fees (quartz and placer)..	97	\$ 300 50	
Rental (coal)..	187	14,497 53	
Royalty..	143	14,311 45	
Petroleum and natural gas..	92	4,659 51	
Domestic coal permits	6	30 00	
Gravel permits..	4	2 00	
Total..		-----	33,800 99
 School Lands Branch—			
General sales..	11	\$4,337 06	
Timber permits..	3	11 75	
Hay permits..	912	2,217 30	
Grazing rentals..	642	10,143 89	
Coal rentals..	29	1,968 20	
" royalty..	6	271 30	
Petroleum and natural gas payments..	5	518 33	
Total..		-----	19,467 83
Grand total..		-----	\$954,036 76

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, E. W. WIDMEYER,
DAUPHIN, MAN.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees.	725	\$ 7,250 00	
Improvements.	73	2,351 30	
Land sales.	24	1,921 39	
Searches.	830	207 50	
Applications for patent.	322	.....
“ “ inspection.	241	.....
Entries cancelled.	393	.....
Total.			\$11,730 19
Timber and Grazing Branch—			
Timber permits.	471	\$ 2,086 61	
“ seizures.	24	326 90	
Hay permits.	241	555 65	
Grazing rentals.	51	221 55	
Total.			3,190 71
Forestry Branch—			
Timber permits.	1,712	\$13,972 22	
Permit fees and rentals.	23	135 00	
Seizures.	79	909 48	
Grazing rentals.	28	431 25	
Hay dues.	251	597 00	
Total.			16,044 95
School Lands Branch—			
General sales.	12	\$ 3,363 75	
Timber permits.	3	28 25	
Hay permits.	228	375 70	
Grazing rentals.	43	566 30	
Seizures.	2	183 25	
Total.			4,517 25
Seed Grain Branch—			
Seed grain payments.	46	\$ 2,014 33	
Total.			2,014 33
Grand total.			\$37,497 43

REPORT OF THE AGENT OF DOMINION LANDS, A. NORQUAY, EDMONTON, ALTA.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees..	1,535	\$15,310 00	
Purchased homestead fees..	2	20 00	
Improvements..	422	11,526 63	
Land sales, cash..	150	9,341 84	
Pre-emption payments..	21	4,071 25	
Purchased homestead payments	19	2,819 22	
Searches..	232	58 00	
Applications for patent recommended..	1,646	.....
" inspections received..	780	.....
Entries cancelled..	1,399	.....
Sundries..	2	12 00	
Total..			\$42,158 94
 Timber and Grazing Branch—			
Bonus..	4	\$ 9,877 95	
Ground rent..	43	5,193 91	
Royalty on sales..	45	13,946 70	
Timber permits..	1,509	8,622 97	
" seizures..	131	26,376 52	
Hay permits..	527	921 19	
Grazing rents, cash..	165	589 81	
Fireguarding..	1	57 05	
Sundries..	564	59,522 92	
Total..			125,109 02
 Forestry Branch—			
Timber dues..	30	\$1,489 60	
Permit fees and rentals..	63	22 75	
Seizures..	12	454 37	
Grazing rent, etc..	16	142 35	
Hay dues, etc..	39	212 25	
Total..			2,321 32
 Irrigation Branch—			
Sales..	1	\$509 60	
Total..			509 60
 Mining Lands and Yukon Branch—			
Mining fees..	71	\$ 197 00	
Rental..	73	4,906 97	
Royalty	21	12,045 49	
Assessment payments..	16	1,500 00	
Coal permits..	2	.....
Sundries..	445	55,138 84	
Total..			73,788 30
 School Lands Branch—			
General sales..	5	\$2,792 48	
Timber permits..	59	760 56	
Hay permits..	474	846 70	
Grazing rentals..	318	3,948 96	
Coal rental..	13	603 77	
Cultivation permits..	1	15 00	
Sundries..	87	4,280 84	
Total..			13,248 31
 Miscellaneous—			
Seed grain and provision payments	500	19,334 53	
Total..			\$19,334 53
Grand total..			\$277,470 02

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, F. L. CHRISTIE,
GRANDE PRAIRIE, ALTA.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees..	886	\$8,860 00	
Improvements..	107	4,617 15	
Land sales..	32	3,663 77	
Searches..	26	6 50	
Applications for patent..	380	.....
“ “ inspection	201	.....
Entries cancelled..	269	.....
Total..			\$17,147 42
Timber and Grazing Branch—			
Timber permits..	365	\$583 11	
Hay permits..	298	671 10	
Grazing rentals..	64	713 52	
Hay excess..	8	10 40	
Timber excess..	83	294 40	
Hay bonus..	1	4 00	
Hay lease rent..	1	10 00	
Total..			2,286 53
Mining Lands and Yukon Branch—			
Mining fees..	3	\$15 00	
Rental..	4	65 25	
Royalty..	7	20 75	
Transfer of lease..	1	2 00	
Coal permits..	2	20 00	
Sand permits..	2	1 00	
Total..			124 00
School Lands Branch—			
Hay permits..	49	\$ 55 10	
Grazing rentals..	64	931 27	
Hay excess..	1	40	
Total..			986 77
Miscellaneous—			
Seed grain and relief payments..	184	\$11,773 12	
Total..			11,773 12
Grand total..			\$32,317 84

REPORT OF THE AGENT OF DOMINION LANDS, W. C. COWELL, KAM-
LOOPS, B.C.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue	Total.
Homesteads..	127	\$1,270 00	
Improvements..	63	2,847 83	
Land sales..	54	3,534 19	
Ground rent..	1	4 25	
Searches, etc..	137	66 85	
Applications for patents..	82	.....
“ inspections	54	.....
Homestead entries cancelled..	34	.....
Total..			\$ 7,723 12
Timber and Grazing Branch—			
Sale scale books..	8	\$ 45 00	
Bonus..	2	1,132 63	
Ground rent..	51	2,512 47	
Royalty..	24	6,846 81	
Timber permits..	325	1,692 50	
“ seizures..	10	906 97	
Hay permits..	9	11 30	
Grazing rentals..	452	6,687 24	
Registration fees..	15	30 00	
Fire guarding collections..	2	12 06	
Total..			19,877 98
Forestry Branch—			
Timber dues..	28	\$453 70	
Permit fees..	35	8 75	
Seizures..	3	217 53	
Rentals..	8	93 40	
Hay dues..	12	13 35	
Total..			786 73
Mining Lands Branch—			
Rentals..	5	\$133 20	
Permits..	1	0 50	
Total..			133 70
Miscellaneous—			
Seed grain collections..	10	\$256 45	
Total..			256 45
Grand total..			\$23,777 98

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, G. H. MACDONELL,
LETHBRIDGE, ALTA.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees..	358	\$ 3,580 00	
Pre-emption fees..	143	1,430 00	
Purchased homestead fees..	32	320 00	
Improvements..	124	6,517 78	
Land sales, cash..	47	7,646 29	
Pre-emption payments	1,283	395,022 52	
Purchased homestead payments..	98	17,564 51	
Searches, office fees, etc..	262	65 75	
Applications for patent received..	1,993	.....
" " inspection received..	518	.....
Entries cancelled..	581	.....
Sundries—Registration fees	1	2 00	
Free homesteads	1	.....
Total..			\$432,148 85
Timber and Grazing Branch—			
Timber permits..	34	\$ 53 50	
Hay permits..	99	78 50	
Grazing rentals..	1,197	26,289 72	
Improvements..	4	156 60	
Sundries..	9	18 00	
Total..			26,596 32
Forestry Branch—			
Timber dues..	6	\$ 212 85	
Permit fees and rental..	303	592 94	
Seizures..	8	83 95	
Grazing rent..	62	1,827 44	
Hay dues..	73	322 20	
Total..			3,039 38
Irrigation Branch—			
Sales..	19	\$2,945 13	
Total..			2,945 13
Mining Lands and Yukon Branch—			
Mining fees..	105	\$ 1,180 00	
Rental..	105	11,211 82	
Royalty..	98	7,000 36	
Petroleum and natural gas..	23	1,909 50	
Sundries..	9	22 50	
Total..			21,324 18
School Lands Branch—			
General sales..	43	\$31,624 83	
Hay permits..	137	174 80	
Grazing rent..	351	6,398 90	
Mining fees..	1	5 00	
Coal, petroleum and gas rent..	8	1,033 61	
Coal royalty..	1	2 50	
Sundries..	2	4 00	
Total..			39,243 64
Miscellaneous—			
Seed grain and provision payments..	4,674	\$517,264 96	
Total..			517,264 96
Grand total..			\$1,042,562 46

REPORT OF AGENT OF DOMINION LANDS, G. K. SMITH, MOOSEJAW,
SASK.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees	421	\$ 4,210 00	
Pre-emption fees	131	1,310 00	
Purchased homestead fees	35	350 00	
Improvements	102	8,750 83	
Land sales, cash	20	2,009 35	
Pre-emption payments	1,313	403,073 81	
Purchased homestead payments	117	21,139 74	
Searches	1,618	429 25	
Applications for patent	2,486	.....
" inspection	584	.....
Entries cancelled	462	.....
Total		-----	\$441,272 98
 Timber and Grazing Branch—			
Timber permits	3	\$ 0 75	
Timber seizures	1	0 25	
Hay permits	47	137 50	
Grazing rentals, cash	529	4,557 61	
Improvements	1	60 00	
Sundries—registration fee	1	2 00	
Total		-----	4,758 11
 Forestry Branch—			
Surface rentals	3	\$ 15 00	
Timber dues	107	238 25	
Permit fees and rentals	53	158 75	
Seizures	12	69 55	
Grazing rent, etc.	70	489 35	
Hay dues, etc.	74	305 10	
Total		-----	1,276 00
 Mining Lands and Yukon Branch—			
Mining fees	25	\$125 00	
Rental	7	156 00	
Royalty	38	311 51	
Quarry payments	1	5 00	
Coal permits	8	171 40	
Sundries	1	5 00	
Total		-----	773 91
 School Lands Branch—			
General sales	5	\$1,236 92	
Timber permits	3	14 75	
Hay permits	997	1,910 80	
Grazing rentals	653	7,275 96	
Coal rental	1	25 00	
Total		-----	10,463 43
 Miscellaneous—			
Seed grain and provision re-payments	3,263	\$287,172 77	
Sundries	9	45 85	
Total		-----	287,218 62
Grand total		-----	\$745,763 05

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, W. D. MAGEE, NEW
WESTMINSTER, B.C.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees.	33	\$ 330 00	
Improvements.	14	1,480 00	
Land sales.	4	178 69	
Townsite payments.	8	590 93	
Purchased homestead payments.	50	1,471 24	
Searches, maps, etc.	24	6 15	
Applications for patent received.	22	.....
“ “ inspection received.	24	.....
Entries cancelled.	32	.....
Total.		-----	\$4,057 01
 Mining Lands and Yukon Branch—			
Mining fees.	40	\$ 195 50	
Rental.	74	3,547 87	
Sundries.	12	23 00	
Total.		-----	3,766 37
Grand total.			----- \$7,823 38

REPORT OF THE AGENT OF DOMINION LANDS, F. BARKER, THE PAS,
MAN.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch--	Number.	Revenue.	Total
Land sales, cash.	7	\$ 509 40	
Total.		-----	\$ 509 40
 Timber and Grazing Branch—			
Timber permits.	38	\$1,204 30	
“ seizures.	1	22 50	
Hay permits.	15	35 80	
Sundries.	2	101 50	
Total.		-----	\$1,364 10
 Mining Lands and Yukon Branch—			
Mining fees.	382	\$1,762 50	
Assessment payments.	7	1,000 00	
Sundries.	748	1,912 30	
Total.		-----	4,674 80
 School Lands Branch—			
Hay permits.	2	\$8 50	
Total.		-----	8 50
Grand total.			----- \$6,556 80

REPORT OF THE AGENT OF DOMINION LANDS, J. E. CARSON, PEACE
RIVER, ALTA.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead entries	451	\$4,510 00	
Improvements	46	1,971 12	
Land sales	24	2,467 65	
Searches	24	6 00	
Applications for patent	337	. . . . .
" inspection	94	. . . . .
Entries cancelled	140	. . . . .
Land lease	1	3 20	
Total		—————	\$ 8,957 97
 Timber and Grazing Branch—			
Timber permits	356	\$961 46	
Hay permits	146	249 00	
Grazing rentals	73	539 04	
Total		—————	1,749 50
 Mining Lands and Yukon Branch—			
Petroleum and natural gas lease	546	\$21,844 71	
Coal permits	5	120 00	
Gravel	1	5 00	
Total		—————	21,969 71
 School Lands Branch—			
Hay permits	36	\$ 151 64	
Grazing rentals	10	166 24	
Petroleum leases	32	1,098 20	
Cultivation permits	1	11 50	
Total		—————	1,427 58
 Miscellaneous—			
Seed grain and provision repayments	116	\$6,689 10	
Total		—————	6,689 10
Grand total		—————	\$40,793 86

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, R. M. TREEN, PRINCE ALBERT, SASK.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total
Homestead fees	556	\$5,560 00	
Purchased homestead fees	2	20 00	
Improvements	116	3,861 25	
Land sales, cash	57	3,521 67	
“ “ scrip	1	88 35	
Pre-emption payments	2	238 00	
Purchased homestead payments	7	997 75	
Searches, map sales, office fees	209	54 00	
Applications for patent received	259	.....
“ “ inspection received	438	.....
Entries cancelled	586	.....
Total			\$14,341 02
 Timber and Grazing Branch—			
Bonus	1	\$ 1,500 00	
Ground rent	16	11,134 71	
Royalty on sales	54	72,568 34	
Timber permits	538	6,035 18	
“ seizures	21	2,738 46	
Hay permits	367	636 15	
Grazing rentals, cash	244	861 33	
Sundries (fire tax) . . . . .	....	49 78	
Total			95,573 95
 Forestry Branch—			
Permit fees and rental	435	\$4,858 82	
Seizures	17	242 30	
Grazing rent, etc.	22	174 15	
Hay dues, etc.	90	270 30	
Total			5,545 57
 Mining Lands and Yukon Branch—			
Mining fees	499	\$2,584 50	
Total			2,584 50
 School Lands Branch—			
General sales	2	\$1,031 36	
Timber permits	29	506 77	
Hay permits	307	566 40	
Grazing rentals	124	1,259 31	
Cultivation permits	1	35 50	
Sundries	3	49 00	
Total			3,448 34
 Miscellaneous—			
Seed grain and provision re-payments	209	\$12,095 52	
Total			12,095 52
Grand total			\$133,588 90

REPORT OF THE AGENT OF DOMINION LANDS, T. J. WADMAN, REVEL-STOKE, B.C.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead fees..	18	\$180 00	
Improvements..	15	406 66	
Land sales..	3	350 38	
Townsite payments	11	300 30	
Purchased homestead payments..	4	142 34	
Searches, map sales, etc..	120	20 53	
Sundries..	2	4 00	
Applications for patent..	19	.....
" inspection..	8	.....
Entries cancelled..	26	.....
Total..		-----	\$ 1,404 21
 Timber and Grazing Lands Branch—			
Bonus on timber..	5	\$ 4,306 51	
Ground rents	75	2,418 41	
Royalties..	28	18,693 97	
Timber permits..	86	639 64	
" seizures..	3	532 50	
Grazing rentals	1	3 20	
Fireguarding..	1	1,118 59	
Sundries..	4	2 50	
Total..		-----	27,715 32
 Mining Lands and Yukon Branch—			
Rentals	1	\$40 20	
Total..		-----	40 20
Grand total..		-----	\$29,159 73

SESSIONAL PAPER No. 25

REPORT OF THE AGENT OF DOMINION LANDS, W. A. MACINNES, SAS-
KATOON, SASK.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total
Homestead fees	226	\$ 2,260 00	
Pre-emption fees	57	570 00	
Purchased homestead fees	23	230 00	
Improvements	52	4,897 10	
Land sales, cash	39	3,753 70	
Pre-emption payments	570	181,735 77	
Purchased homestead payments	308	58,387 41	
Searches, map sales, office fees	780	195 00	
Applications for patent received	1,600	.....
" " inspection received	257	.....
Entries cancelled	279	.....
Total		-----	\$252,028 98
 Timber and Grazing Branch—			
Timber permits	20	\$ 21 50	
" seizures	4	3 75	
Hay permits	80	178 55	
Grazing rentals, cash	52	143 78	
" " scrip	50	505 32	
Excess hay	2	1 70	
Total		-----	854 60
 Forestry Branch—			
Timber dues	56	\$ 89 00	
Permit fees and rental	2	50	
Seizures	1	2 00	
Grazing rent, etc.	26	229 80	
Hay dues, etc.	14	27 45	
Total		-----	348 75
 Mining Lands and Yukon Branch—			
Sundries	12	\$456 25	
Total		-----	\$456 25
 School Lands Branch—			
General sales	4	\$2,750 00	
Timber permits	3	13 25	
Hay permits	567	1,525 95	
Grazing rentals	405	4,405 38	
Cultivation permits	11	203 50	
Excess hay	13	813 40	
Total		-----	9,711 48
 Miscellaneous—			
Seed—grain and provision repayments	3,040	\$336,584 06	
Total		-----	\$336,584 06
Grand total		-----	\$599,984 12

REPORT OF THE AGENT OF DOMINION LANDS, S. LEE, SWIFT CURRENT, SASK.

Statement of business transacted during the fiscal year ending March 31, 1918:—

Patent Branch—	Number.	Revenue.	Total.
Homestead entries	320	\$ 3,200 00	
Pre-emption entries	128	1,280 00	
Purchased homestead entries	17	170 00	
Improvements	52	4,578 15	
Land sales, cash	10	1,912 05	
Pre-emption payments	1,043	358,629 96	
Purchased homestead payments	121	25,331 65	
Searches, map sales, etc.	1,592	398 00	
Total		\$395,499 81	
 Timber and Grazing Branch—			
Timber permits	4	\$ 1 00	
Hay permits	53	113 60	
Grazing rentals, cash	419	5,346 65	
Total		5,461 25	
 Forestry Branch—			
Permit fees and rental	1	\$ 1 00	
Seizures	1	3 00	
Grazing rent	18	221 25	
Hay dues	10	37 75	
Total		263 00	
 Irrigation Branch—			
Sales	1	\$0 30	
Total		30	
 Mining Lands and Yukon Branch—			
Mining fees	5	\$25 00	
Rental	1	12 00	
Royalty	2	5 10	
Assessment payments	3	45 00	
Coal permits	1	2 00	
Total		89 10	
 School Lands Branch—			
Hay permits	451	\$ 742 70	
Grazing rentals	384	4,971 61	
Cultivation permits	1	5 00	
Sundries	5	4 70	
Total		5,724 01	
 Miscellaneous—			
Seed grain and provision repayments	1,889	\$327,178 38	
Total		327,178 38	
Grand total		\$734,215 85	

SESSIONAL PAPER No. 25

REPORT OF AGENT OF DOMINION LANDS, L. RANKIN, WINNIPEG,
MAN. .

Statement of business transacted during the fiscal year ending March 31, 1915:—

Patent Branch—	Number.	Revenue.	Total
Homestead entries	868	\$ 8,680 00	
Improvements	201	7,675 07	
Land sales, cash	59	5,369 69	
Searches, maps, etc.	741	480 65	
Seed grain	493	14,273 19	
Total			\$26,478 60
Timber and Grazing Lands Branch—			
Grazing rentals	82	\$510 58	
Hay rentals	2	20 00	
Total			530 58
Mines Branch—			
Mining fees	1,315	\$5,906 30	
Rentals	35	860 67	
Quarries	3	76 96	
Total			6,843 93
School Lands Branch—			
Sales	22	\$5,235 01	
Grazing rentals	90	1,188 97	
Coal permit	1	5 00	
Cultivation permit	1	4 00	
Total			6,532 98
Grand total			\$59,386 09
General—			
Applications for patent	666		
“ “ inspections	401		
Entries cancelled	582		

REPORT OF THE MINING LANDS AND YUKON BRANCH.—H. H. ROWATT,
CONTROLLER.

The total revenue of this branch, derived from all sources during the fiscal year, amounts to \$639,929.98, being an increase of \$27,001.92 over the previous year. Owing to conditions resulting from the war, it has been found necessary to grant, in a number of cases, extensions of time within which to pay the rental of mining locations acquired under lease.

The statements lettered “A” and “B,” showing in different forms how the revenue is made up, will be found at the end of this report. The statement lettered “A” shows the total revenue for each month, and the statement lettered “B” shows the revenue collected at each agency, including the Yukon Territory.

The revenue for the Yukon Territory for the year amounts to \$150,809.32.

The reports and statements for the fiscal year from the Gold Commissioner and the Crown Timber and Land Agent at Dawson in the Yukon Territory, also the report of the Inspecting Engineer, are herewith submitted.

TIMBER IN THE YUKON TERRITORY.

The total amount of dues collected on account of timber in the Yukon Territory during the fiscal year was \$12,235.41. During the year 145 permits were issued, under the authority of which 257,936 feet b.m. of timber and 18,524½ cords of wood were cut. The dues collected on permits issued amounted to \$9,027.61.

There are in existence ninety timber berths held under license to cut timber within the Territory, covering an area of 188.93 square miles, which licenses were granted prior to the 10th May, 1906, on which date the regulations governing the granting of licenses to cut such timber in the Territory were rescinded, and regulations for the issue of permits to cut timber substituted therefor.

According to returns received in the department, the number of feet b.m. of lumber manufactured under license during the year and sold was 250,290 and the number of cords of wood cut 3,119½. Seizure dues, amounting to \$480.86, were collected on 443¾ cords of wood and 1,778 feet of lumber cut in trespass. This does not include the very large amount of timber and cordwood cut free of dues for mining purposes.

MINING LANDS OTHER THAN COAL.

During the fiscal year 752 entries for quartz mining claims were granted by the mining recorders in Manitoba, Saskatchewan, and Alberta, and by the mining recorder for unorganized districts.

According to the returns received from the Yukon Territory during the fiscal year, 293 entries for placer mining claims, 64 entries for quartz mining claims, and 3,667 renewals and relocations were recorded. The revenue collected from these sources and from fees for registering documents in connection with mining properties was \$60,964.30.

ROYALTY ON GOLD MINED IN THE YUKON TERRITORY.

The total amount collected up to the 31st March, 1918, for royalty on gold, the output of placer mining claims in the Yukon Territory, after deducting the exemption at one time allowed under the regulations, was \$4,664,620.64, of which amount \$81,650.55 was collected during the last fiscal year. For the purpose of estimating this royalty the gold is valued at \$15 an ounce, which is much below its real value.

The actual value of gold produced from placer mining operations in the Yukon Territory, up to the 31st March last, might be safely placed at \$152,316,110.

The statement lettered "C," at the end of this report, shows the total gold production, the total production subject to royalty, and the total royalty collected for each fiscal year from the 1st May, 1898, to the 31st March, 1918.

DREDGING.

Twenty-five leases to dredge for minerals in the beds of rivers in the Yukon Territory are now in force, covering a total frontage of 147.76 miles. The total revenue derived from this source up to the 31st March, 1918, amounts to \$198,260.09, of which \$701.76 was collected during the fiscal year just closed.

These dredging leases are confined to the Yukon, Fortymile, Big Salmon, Klondike, and Sixtymile rivers.

There are in operation in the Yukon Territory eleven dredges. Most of these dredges are working on the Klondike river and tributaries, and are operated by hydro-elective motive power. Two of the largest gold-saving dredges in the world are being operated most successfully on the Klondike river-flat.

Eleven leases to dredge for minerals in the submerged beds of rivers in the provinces of Alberta and Saskatchewan are now in force, covering a total frontage

SESSIONAL PAPER No. 25

of 52.19 miles. Of these leases, ten are in the province of Alberta and include 45 miles, and one is in the province of Saskatchewan and includes 7.19 miles. The total revenue derived from this source up to the 31st March, 1918, amounts to \$46,526.35, of which amount \$470.20 was collected during the past fiscal year.

HYDRAULIC MINING.

The hydraulic mining regulations relating to the Yukon Territory were rescinded by an Order in Council dated the 2nd of February, 1904, but leases already granted were not affected by such withdrawal.

There are still in force in the Yukon Territory seven hydraulic mining leases, covering an area of 15.27 square miles. Since the hydraulic mining regulations were first established in December, 1898, forty-seven hydraulic mining leases have been issued, all of which have now been cancelled, with the exception of the above number.

HOMESTEADS IN THE YUKON TERRITORY.

Ninety-four homestead entries in the Yukon Territory have been granted, of which seventy-one are now in force, comprising a total area of 11,050.56 acres. Patents have been issued for seven homesteads.

PETROLEUM AND NATURAL GAS.

There are now in force under the regulations 3,369 petroleum and natural gas leases embracing a total area of 1,173,591 acres distributed as follows: In Manitoba, five leases, comprising 1,213 acres; in Saskatchewan, ninety-two leases, comprising 43,476 acres; in Alberta, 2,966 leases, comprising 1,044,777 acres; in British Columbia, 298 leases, comprising 75,165 acres; and in the Northwest Territories, eight leases, comprising 8,960 acres. The total revenue derived from petroleum lands during the year amounts to \$124,727.19.

Natural gas has been discovered and is now being utilized for commercial and domestic purposes in different parts of the province of Alberta. Oil has been discovered, but not in large quantities. Boring operations are being carried on throughout Alberta and Saskatchewan with a view to further discoveries.

QUARRYING.

The number of leases now in force, issued under the provisions of the regulations, is 274, distributed as follows: In Manitoba, eighty-five leases, comprising 2,130 acres; in Saskatchewan, thirty-four leases, comprising 1,058 acres; in Alberta, ninety leases, comprising 3,775 acres; and in British Columbia, sixty-five leases, comprising 2,025 acres.

The total revenue collected during the fiscal year on account of quarrying leases, including the application fees, amounts to \$7,129.70.

WATER-RIGHTS.

There are now in force in the Yukon Territory 468 grants to divert water for mining purposes, aggregating a total of 115,571 miner's inches. During the last fiscal year thirteen water-rights were issued, comprising 5,925 miner's inches.

Grants are issued by this department, authorizing the diversion of water in the Yukon Territory for power purposes. Up to date, thirteen grants have been issued, authorizing the diversion of 131,200 miner's inches of water. Four of these grants have been permitted to lapse, but the remaining nine, authorizing the diversion of

9 GEORGE V, A. 1919

66,200 miner's inches of water, are in good standing. Two power plants have been installed, one of which is situated on the north fork of the Klondike river, and it appears that this plant is kept in operation during the winter, and the power generated is being used for heating and lighting purposes in the city of Dawson.

COAL MINING LANDS.

The total amount collected on account of the sale of coal mining lands up to the 31st March, 1918, was \$2,097,228.90.

COAL LEASES.

The total number of coal mining leases in force at the close of the fiscal year was 562, including a total area of 288,087 acres, distributed as follows: In the province of Alberta, 479 leases, comprising 280,310 acres; in Saskatchewan, eighty-two leases, comprising 7,737 acres; and in the Yukon Territory one lease, comprising 40 acres.

The total number of leases of coal mining rights issued during the year was 117, comprising 46,543 acres. The total revenue received during the year for rental of coal mining rights was \$182,323.53.

ROYALTY ON COAL.

Under the regulations governing the issue of leases to mine coal the royalty is fixed at 5 cents per ton of 2,000 pounds on the merchantable output of the mine.

The following is a statement showing the amount collected on account of royalty on coal mined from lands in the western provinces, the Northwest Territories, and the Yukon Territory, respectively, during each year since the regulations came into effect:—

Year	Alberta.		Saskatchewan.		British Columbia.		Yukon.		N. W. T.	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.
1903-4		56 90	Nil.		Nil.			2 40		Nil.
1904-5		2,822 00		110 70	Nil.			47 00		Nil.
1905-6		2,379 75		47 10	Nil.			569 33		Nil.
1906-7		3,865 26		74 20	Nil.			517 34		Nil.
1907-8		7,621 67		4 30	Nil.			1,543 38		Nil.
1908-9		5,322 39		358 11	Nil.			371 73		Nil.
1909-10		153,559 98		1,672 50		3 00		136 38		Nil.
1910-11		218,932 88		2,184 74		3 50		125 00		Nil.
1911-12		104,894 55		2,034 74		2 78		390 00		Nil.
1912-13		142,997 79		3,145 72		6 95		1,069 11		Nil.
1913-14		147,198 75		2,123 43		19 35		Nil.		Nil.
1914-15		164,489 77		1,880 06		4 90		Nil.		Nil.
1915-16		67,190 17		2,661 52		3 50		Nil.		5 10
1916-17		149,447 82		2,228 08		8 92		Nil.		Nil
1917-18		144,634 75		4,646 55		Nil.		Nil.		6 00

By an Order in Council dated the 16th March, 1918, provision was made that, owing to the scarcity of fuel in the Yukon Territory, no royalty shall be levied or collected on coal mined in that territory for a period of five years, that is up to 7th of April, 1923.

The total amount derived from coal mining lands on account of purchase price, rental, royalty and application fees, during the fiscal year, amounted to \$338,701.19.

During the past year gold, to the value of \$9,137 was extracted from ores taken from mineral claims in northern Manitoba, and over 3,000 tons of copper ore from the same district were profitably treated at Trail, B.C.

There are eleven members of the staff of this branch on active service.

SESSIONAL PAPER No. 25

REVENUE OF DOMINION LANDS, INCLUDING THE YUKON TERRITORY.

A.—STATEMENT of Receipts on account of Coal and Minerals in the Provinces and Territories, also Timber, Hay, Coal, Hydraulic Mining, Dredging, Royalty on Gold, Mining Fees, Rental of Agricultural Lands, Water Power and Water Fronts and sale of Dominion Lands in the Yukon Territory for the fiscal year ended March 31, 1918.

Quartz acreage sale..	\$ 526 67
Dominion Lands sales..	585 45
Coal sales..	3,600 36
Coal mining..	4,090 00
Coal royalty..	148,687 30
Coal rental..	182,223 53
Rental, Yukon..	6,872 15
Timber dues, Yukon..	12,235 41
Mining fees..	60,964 30
Hydraulic leases..	2,273 23
Dredging leases, N.W.T..	470 20
Dredging leases, Yukon..	701 76
Gold export tax..	\$1,650 55
Free certificates, export of gold..	35 00
Stone quarry..	7,129 70
Registration fees..	125 50
Homestead fees..	50 00
Hay, Yukon..	31 10
Potash..	1,630 00
Tar-sands..	1,008 98
Sand, stone and gravel..	56 00
Petroleum and natural gas..	124,727 19
Interim receipt account..	155 60
Amount..	639,929 98

B.—STATEMENT showing the total amount of Revenue Collected, including the Yukon Territory, for the fiscal year ended March 31, 1918.

Quartz acreage sales..	\$ 526 67
Dominion Lands sales..	585 45
Coal sales..	3,600 36
Coal mining..	4,090 00
Coal royalty..	148,687 30
Coal rental..	182,223 53
Rental Yukon..	6,872 15
Timber dues, Yukon..	12,235 41
Mining fees..	60,964 30
Hydraulic leases..	2,273 23
Dredging leases, Northwest Territories..	470 20
Dredging leases, Yukon..	701 76
Gold export tax..	\$1,650 55
Free certificates, export of gold..	35 00
Stone quarry..	7,129 70
Registration fees..	125 50
Homestead fees..	50 00
Hay, Yukon..	31 10
Potash..	1,630 00
Tar-sands..	1,008 98
Sand, stone and gravel..	56 00
Petroleum and natural gas..	124,727 19
Interim receipt account..	155 60
Amount..	639,929 98

C.—STATEMENT showing the total Gold Production, the total subject to Royalty and the total Royalty collected for each fiscal year from May 1, 1898, to March 31, 1918.

Fiscal Year.	Gold Production.		Subject to Royalty		Royalty Collected.		Total Revenue.	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.
1897-1898.....	3,072,773	20	2,732,928	20	273,292	82	273,292	82
1898-1899.....	7,582,283	02	5,882,626	00	588,262	37	589,943	52
1899-1900.....	9,809,464	64	7,307,720	00	730,771	99	733,041	04
1900-1901.....	9,162,082	79	7,234,416	17	592,660	98	596,368	03
1901-1902.....	9,566,340	52	8,367,225	88	331,436	79	331,532	04
1902-1903.....	12,113,015	34	12,113,015	34	302,893	48	302,893	48
1903-1904.....	10,790,663	12	10,790,663	12	272,217	96	272,217	96
1904-1905.....	8,222,053	91	8,222,053	91	206,760	87	206,760	87
1905-1906.....	6,540,007	09	6,540,007	09	163,963	25	163,963	25
1906-1907.....	3,304,791	05	3,304,791	05	82,622	42	82,622	42
1907-1908.....	2,820,161	60	2,820,161	60	70,504	65	70,504	65
1908-1909.....	3,260,282	80	3,260,282	80	81,507	07	81,507	07
1909-1910.....	3,594,251	20	3,594,251	20	89,844	10	89,844	10
1910-1911.....	4,126,727	60	4,126,727	60	103,168	19	103,168	19
1911-1912.....	4,024,236	75	4,024,236	75	100,606	29	100,606	29
1912-1913.....	5,018,411	85	5,018,411	85	125,460	52	125,460	52
1913-1914.....	5,301,507	60	5,301,507	60	132,537	69	132,537	69
1914-1915.....	4,649,634	40	4,649,634	40	116,241	04	116,241	04
1915-1916.....	4,458,278	00	4,458,278	00	111,457	19	111,457	19
1916-1917.....	3,960,206	99	3,960,206	99	99,007	92	99,007	92
1917-1918.....	3,266,018	85	3,266,018	85	81,650	55	81,650	55
Total.....	124,643,192	32	116,975,164	40	4,656,868	14	4,664,620	64

GOLD COMMISSIONER'S REPORT, G. P. MacKENZIE.

GOLD PLACER MINING.

There were 217,734.57 ounces of gold mined during the year, and royalty amounting to \$81,650.55 paid.

The production was very materially affected by conditions brought about by the war. The cost of machinery, tools, and, in general, all kinds of supplies has greatly increased, in some instances as much as 100 per cent, as well as the cost of labour.

The North West Corporation, in particular, the owner of very large mining areas, have not been able to secure the capital necessary to put equipment on their property, and have consequently confined their operations to removing the overburden from the gravels by ground sluicing, and only sufficient of this class of work has been performed to represent their claims.

THE YUKON GOLD COMPANY.

Dredging operations.—The Yukon Gold Company operated seven dredges continuously for a period of 150 days, from 20th May to 17th October.

SESSIONAL PAPER No. 25

THE CANADIAN KLONDYKE MINING COMPANY, LIMITED.

Dredging operations.—This company operated their four dredges.

These dredges are all electrically driven, the power being furnished by the Canadian Klondike Power Company's hydro-electric plant at the North Fork of the Klondike river. This plant, which is under the same management as the Canadian Klondike Mining Company, was kept in operation throughout the entire year.

An average of 200 men was employed in these dredging operations and 5,500,000 cubic yards of material was dredged.

Hydraulic Operations.—Extensive hydraulic operations were carried on by the company on their property on Last Chance creek. The Klondike river is the source of their water-supply for these operations, the water being pumped through a ditch four miles long to a pumping plant situated near the mouth of Hunker creek, from where it is pumped to a ditch on the Left Limit of Hunker creek, and there conveyed through another ditch four miles long to Last Chance creek. The pumping equipment consists of a 4-stage Kingsford centrifugal pump, direct-connected to a 1,200-horse-power rotor-wound motor pumping against a 600-foot hydraulic head.

In addition to the men employed by this company in their dredging and hydraulic operations, a considerable force was employed in prospecting with a Keystone drill, in their machine shops, and in procuring wood for their thawing operations.

NORTH WEST CORPORATION, LIMITED.

This company did not recover any gold during the year, but confined their operations, as already stated, to ground sluicing, 523,300 cubic yards of material being removed from claims situated between Nos. 236 to 276 below Lower Discovery on Dominion creek, and 231,600 cubic yards from their claims on Lower Quartz creek.

INDIVIDUAL OPERATIONS.

Operations carried on by individuals, or by men in partnership, some of them with quite extensive equipment were on a more extensive scale than in the previous year. Hunker and tributaries had thirty such operators, Dominion, six; Sulphur, fifteen; Quartz, ten; Eureka, eight; Gold Run, three; Clear Creek, four; Scroggie and tributaries, twelve; Barker, three; Thistle, eight; Kirkman, ten; and Ten Mile, five; while the operations of this character in the Glacier and Duncan Mining Districts were about the same as last year.

LODE MINING.

Of the large number of mineral claims in good standing, only on a very few has any real development work been attempted.

The silver-lead properties in the Duncan district continue to attract the attention of mining experts, and the outlook is, to say the least, most encouraging.

SCHEELITE.

A discovery of scheelite on Dublin gulch justifies further investigation, especially in view of the high price now paid for this ore. A trial shipment of 350 pounds forwarded to the Munition Resources Commission shows that the ore is high grade, running 69½ per cent tungstic acid, and at the present market price, the net value of the 350 pounds, after the freight charges are paid, is \$255.

REPORT OF CROWN TIMBER AND LAND AGENT, DAWSON, YUKON TERRITORY, G. P. MACKENZIE.

There has been a net decrease in revenue of \$1,741.72 in the Timber Branch and \$909.16 in the Lands Branch, compared with the previous fiscal year.

The decrease in revenue in the Timber Branch is accounted for largely by the fact that the amount of coal used was in excess of the previous year, and as a consequence less wood was needed. The revenue from this source, however, although less than in the previous year, was greater than in 1916 and well up to the average for the previous five years.

The slight loss of revenue in the Lands Branch was on account of land rentals and sales.

WOOD AND TIMBER.

One hundred and thirty-nine permits were issued during the year, under authority of which 17,260 $\frac{1}{4}$ cords of wood and 257,936 feet b.m. of logs were cut; 3,119 $\frac{1}{2}$ cords of wood and 250,290 feet b.m. of logs were cut under license. Seizure dues were paid on 443 $\frac{3}{4}$ cords of wood and 1,778 feet b.m. of logs. The number of cords of wood cut and used for mining purposes during the year is estimated at 30,000.

The Yukon Saw-mill Company operated their mill at Dawson during the summer and continued to carry a well-assorted stock of both native and British Columbia lumber.

The Canadian Klondyke Mining Company's mill at the North Fork of the Klondike river cut most of the lumber required by that company for their mining operations, and one mill at Mayo manufactured sufficient to satisfy the requirements of the Upper Stewart district.

Inspections were made from time to time of the various timber camps, and I am pleased to report that no forest fires of any magnitude occurred during the year.

COAL.

The only coal mine operated was that of the Five Fingers Coal Company, at Tantalus. The coal from this mine continues to improve in quality as a greater depth is reached, and an adequate supply was placed in the bunkers at Dawson.

REPORT OF INSPECTING AND ENGINEERING DIVISION OF THE
M. L. AND Y. BRANCH, O. S. FINNIE.

The duties of the inspecting engineer are, briefly, to inspect and survey coal mines on Dominion and School Lands with the object of checking the output for royalty purposes and to ascertain whether the operations are being confined to the proper lands. There are 196 coal mines, subject to royalty, operating in Alberta, and 56 in Saskatchewan.

During the year the number of mines inspected were 225; reports made, 472; plans of mines received and examined, 173; plans compiled, 51; new surveys made, 12; extensions of surveys, 39; declarations of output, about 100.

During the year a map of Alberta was prepared and published, indicating the lands disposed of by sale and by lease, both on Dominion and School Lands. It also shows railway lands, Hudson's Bay lands, Dominion Parks and Forest reserves. It is published in two sheets, one from Calgary, south to the boundary, and the other from Calgary, north to township 65. There is no doubt it will be found a very useful and necessary map, particularly to the mining community.

During the year a number of the oil and gas fields were inspected. From Okotoks a considerable quantity of oil was shipped. In the month of June, 1917, these shipments amounted to 550 barrels, and in July to 891 barrels. The total shipments from Okotoks, up to July 31, 1917, were 6,531 barrels, which is equivalent to 276,376 gallons. Further drilling is being done at Bow island, and very promising results are being obtained in the Viking and Peace River districts.

REPORT OF THE CONTROLLER OF THE TIMBER AND GRAZING LANDS
BRANCH, B. L. YORK.

The total revenue of this branch, derived from timber, grazing and hay lands, during the fiscal year, amounts to \$569,607.39, which is an increase of \$35,225.64 over the preceding year.

At the conclusion of this report will be found statement "A," which sets out the total revenue of the branch from its various sources; statement "B" showing the revenue from timber by agencies; statement "C" other sources of revenue by agencies.

Statements from the Crown Timber Agents at Calgary, Edmonton, Prince Albert, Winnipeg, Kamloops, New Westminster, and Revelstoke, showing the revenue collected on Dominion lands within their respective agencies, and other information, are appended hereto.

The report of the Inspector of Crown Timber Agencies, whose headquarters are at Winnipeg, and the reports of the Inspectors of Ranches located at Calgary, Maple Creek, Moosejaw, and Prince Albert are also attached.

The revenue derived from timber and grazing lands, received at the Crown Timber Agencies above mentioned; also the number of mills operated on timber berths held under license, and the number of portable sawmills in operation, may be summarized as follows:—

Agency.	Total Revenue.	No. of mills operating under license.	No. of mills operating under permit.
	\$ cts.		
Calgary.....	32,666 81	13	14
Edmonton.....	126,610 80	32	83
Prince Albert.....	96,705 64	27	34
Winnipeg.....	64,076 79	20	40
Kamloops.....	20,412 17	5	
New Westminster.....	75,797 52	21	
Revelstoke.....	27,837 90	7	

The returns of operations received from the timber agencies above mentioned show the quantity of timber manufactured under government license during the year, and the quantity sold, as follows:—

	Manufactured	Sold.
Sawn lumber, feet b.m.....	272,998,339	237,607,059
Shingle bolts.....	25,086	23,382
Railway ties.....	5,041	56,538
Laths.....	33,277,860	44,347,390
Piling, lineal feet.....	59,867	61,492
Telegraph poles.....	2,728	1,140
Cordwood.....	531	566
Fence posts.....	949,550	943,550

SESSIONAL PAPER No. 25

The following shows the material manufactured on permit and portable sawmill berths, and the quantity sold:—

	Manufactured.	Sold.
Sawn lumber, feet b.m.....	33,868,269	36,835,018
Shingles.....	314,000	1,276,250
Shingle bolts, cords.....	11,852	11,852
Railway ties.....	36,428	36,428
Fence posts.....	182,958	182,458
Cordwood.....	7,919	8,891
Piling, lineal feet.....	8,000	8,000
Mining props and mining timber.....	1,597,966	1,712,635

The quantity of lumber manufactured and sold within each agency will be found in the agents' reports appended hereto.

The area of timber lands held under license and permit in the provinces of Manitoba, Alberta, and Saskatchewan, and in the Railway Belt in the province of British Columbia, is as follows:—

	Under license.	Under permit.
	Square miles	Square miles
Manitoba.....	1,241.00	507.83
Alberta.....	2,027.59	27.92
Saskatchewan.....	1,672.20	110.74
British Columbia.....	1,739.78	4.51
Totals.....	6,680.57	651.00

During the year 113 berths were granted, of which eight were licensed berths, forty-seven portable sawmill, and fifty-eight cordwood.

GRAZING.

There were in force on March 31, 1918, 4,796 grazing leases, covering an area of 5,746,178 acres, in the provinces of Manitoba, Alberta, Saskatchewan, and British Columbia, as follows:—

	Acres.
Manitoba.....	66,563
Alberta.....	2,563,145
Saskatchewan.....	2,723,217
British Columbia.....	393,253

This is an increase of 56,714 acres over the previous year. During the year there were 708 new leases issued.

STATEMENT "A."—Statement of Revenue for Fiscal Year 1917-18.

Timber.....	426,293 79
Grazing.....	116,605 11
Hay.....	8,003 00
Registration.....	184 86
Fire tax.....	15,502 45
Improvements.....	1,192 60
Sealing books.....	47 50
Sealing Fees.....	1,778 08
Total.....	569,607 39

9 GEORGE V, A. 1919

STATEMENT "B."—Statement of Revenue from Timber for Fiscal Year 1917-18.

Bonus under license.....	30,376 53
Rental under license.....	47,932 67
Royalty under license.....	164,177 67
Permit fees, dues and rental.....	136,094 58
Seizure.....	47,712 34
Scaling books.....	47 50
Scaling fees.....	1,778 08
Total.....	428,119 37

STATEMENT "C."—Statement of Revenue from Grazing, Hay, Registration Fees, Fireguarding Dues, and Improvements, for Fiscal Year 1917-18.

Grazing.....	\$ 116,605 11
Hay.....	8,003 00
Registration fees.....	184 86
Fire tax.....	\$ 1,602 29
“ “ head office.....	13,899 50
	<hr/>
	15,502 45
Improvements.....	1,192 60
	<hr/>
Total.....	\$ 141,488 02

CHIEF INSPECTOR OF DOMINION CROWN TIMBER OFFICES, E. F. STEPHENSON.

STATEMENT "A."—Summary of Work performed and Revenue collected at the respective Crown Timber Offices during the year ended March 31, 1918.

Agency.	Timber and Grazing.							Forestry.					School Lands.				Revenue.	
	Bonus.	Ground Rent.	Royalty on Sales.	Timber Permits Issued.	Timber Seizures.	Hay Permits.	Grazing Rentals.	Sundries.	Permit Dues and Rentals.	Seizures.	Grazing Rentals.	Hay Permits.	Timber Permits.	Hay Permits.	Grazing Permits.	Seizures.		Sundries.
Battleford				178	5	309	432	9	241		86	24	1	526	263		9	9,153.59
Calgary		36	39	97	4	37	480	1	84	3	62	15	1	517	391	1		46,633.19
Dauphin				471	24	241	51		1,735	79	28	251	3	228	43			20,389.16
Edmonton		43	43	1,509	131	527	166	564	93	12	16	39	59	474	318	2		137,267.40
Grande Prairie				365		298	64	93										
High Prairie				42		44	21	12	1			2		7	64			3,273.30
Humboldt				83	4	170	66	8										753.68
Kamloops	2	51	24	314	10	9	452	25	35	3	8	12	9	398	178	1	14	3,322.92
Lethbridge				28		4	296	10	162	4	62	8		46	164			20,664.71
Maple Creek				42	1	231	1,110	8	204	2	72			412	241			11,290.16
Medicine Hat				6		95	901	3	147		65			91	187			24,651.79
Moose Jaw				7	1	53	530	1	146	12	70	71	3	880	653			24,933.24
New Westminster	2	173	142	110	10	1	73	127						28	10			15,235.62
Peace River				309		131								29	307			75,083.28
Prince Albert	1	16	54	538	21	367	244	1	435	17	22	90	29	360	251			2,067.38
Red Deer				104	7	76	153	1	34		5	3	2	360				103,536.50
Revelstoke	5	75	28	86	3			5										6,754.00
Saskatoon				20		80	102	6	58	1	26	14	3	567	405		24	27,715.32
Swift Current				4		63	419		1	1	18	10		451	384			8,174.83
The Pas				38	1	15		2						2				11,448.26
Yorkton				20		71	12		213	5	14	74	1	239	96			1,372.60
Weyburn				107		107	151				4	37	3	412	121			3,109.39
Winnipeg				1,639	58	783		145	138		140	95	94	755				3,787.59
		97	40	1,639													9	69,658.34
Total	14	491	372	6,010	286	3,711	5,725	1,021	3,727	139	633	810	208	6,719	3,437	13	152	630,268.25
Previous Year	7	516	419	6,196	295	3,834	5,254	887	3,120	137	567	716	181	6,733	3,813	12	136	545,033.41

N.B.—(Revenue exclusive of payments made to the Department on account of the respective Agencies.)

9 GEORGE V, A. 1919

STATEMENT "B," showing Manufacture and Sale of Timber Products Cut by Holders
Year ended

Timber Cut under Permit for Commercial

Agency.	Lumber Feet, B.M.			Lath.	
	Manufactu'd	Marketed.	On Hand.	Manufactu'd.	Sold.
Calgary.....	14,050,969	18,949,459	2,915,464		
Edmonton.....	27,503,467	26,075,785	6,159,337	3,488,400	3,438,650
Kamloops.....	20,234,411	20,234,411	Not known.		
New Westminster.....	57,698,754	57,698,754	Not known.		
Prince Albert.....	112,506,042	116,410,377	29,324,281	24,288,450	35,260,600
Revelstoke.....	22,559,366	22,559,366	Not known.		
Winnipeg.....	18,445,330	18,472,684	4,952,993	5,134,960	4,628,590
Total.....	272,998,339	280,400,836	43,352,075	32,911,810	43,327,840
Calgary.....	2,857,364	3,211,399	419,683		
Edmonton.....	12,882,204	14,858,451	3,201,180		
Kamloops.....	5,000,000	5,000,000	Not known.		
New Westminster.....	11,797,462	11,797,462	Not known.		
Prince Albert.....	1,561,029	1,271,492	923,811		
Revelstoke.....	357,000	357,000	Not known.		
Winnipeg.....	1,934,977	3,165,165	10,053,623		
Total.....	36,390,036	39,660,969	14,598,297		
Grand total.....	309,388,375	317,061,805	57,950,372	32,911,810	43,327,840
Previous year.....	309,880,991	319,387,112	100,333,765	46,725,174	42,435,884

SESSIONAL PAPER No. 25

of Timber Berths on Dominion Lands Cut under Yearly License during the Fiscal March 31, 1918.

Purposes during the same Period.

On Hand.	Railway Ties.	Shingles.		Piling and Mining Props.	Saw Logs.			Fence Posts.
		Manu- factured Sold.	Bolts, Cords.	Sold, Lineal Feet.	Pieces Cut.	Manu- factured.	On Hand.	
	38,295				350,246	267,716	476,349	
330,450	12,660			1,194	520,638	453,157	337,119	
	1,276		505	2,440	179,456	179,456		60,793
	2,200	23,135	23,135	2,985	76,260	76,913		3,900
5,431,200	3,343				1,688,802	1,849,283	1,874,716	
			1,446	57,787	233,419	Not known.		888,757
2,251,362	540				470,065	404,246	432,107	
8,013,012	58,314	23,135	25,086	64,406	3,518,886	3,230,771	3,124,191	949,550
				1,740,199	109,793	139,189	36,756	
		1,276,250		457,644	227,781	192,532	112,849	19,758
	12,220		268	18,000	Not known.			
	19,521	11,682	11,682		73,439	33,343	52,954	
	1,100		170					163,240 and 1,968 Cords of Wood.
	3,587				16,792	43,318	13,609	
	36,428	1,276,250	12,120	2,209,843	427,805	410,382	216,168	182,958 and 1,968 Cords of Wood.
		11,682						
8,013,012	1,370,992	34,817	37,206	2,274,249	3,946,685	3,641,153	3,340,359	1,132,508
18,814,602	307,009	901,000	62,191	117,345	2,522,679	3,958,756	3,378,894	1,163,324

STATEMENT "C."—Timber Material covered by Permits issued at the respective Agencies, principally to Homestead Settlers, during the year ended March 31, 1918.

Agency.	Lumber and Logs Feet B.M.	Fence Rails.	Poles.	Fence Posts	Cords Cord-wood.	Rail-way Ties.	Telegraph and Telephone Poles.	Round Timber.	Cords Shingle Bolts.
Battleford	1,062,202	18,910	2,816	20,270	2,564				
Calgary	666,967	28,498	3,450	50,875	2,567		540	1,096,000	
Pruplin	7,137,311	10,125	250	84,712	13,881				
Edmonton	8,007,364	933,626	188,235	279,261	7,682	128,092	280	2,572,456	
Grande Prairie	2,366,421	495,028	94,457	113,447	30				
High Prairie	422,303	47,750	8,920	16,000	567				
Humboldt	322,864	3,200	1,100	3,450	196				
Kamloops	5,614,652	11,100	3,535	359,453	5,664	12,220	21,240	18,000	268
Lethbridge	140,096	28,148	950	22,215	2,827			90,800	
*Maple Creek									
†Medicine Hat									
Moosejaw		1,275		2,475	476				
New Westminster	11,797,462				212	19,521			11,682
Peace River	1,497,158	301,260	99,213	90,720	1,470				
Prince Albert	6,552,832	378,979	72,744	138,673	22,870	49,975			
Red Deer	151,200	10,800	900	30,100	1,820			69,000	
Revelstoke	367,500	7,700							
Saskatoon	136,750	4,675	800	3,900	562				
Swift Current			150	600	20				
The Pas	150,530		10,500		4,816				
Yorkton	1,113,140	16,500		16,500	950				
Weyburn									
Winnipeg	4,810,713	59,790	21,214	146,900	86,408	76,700	10,500	282,800 ^{††}	2,105
Total	52,326,965	2,369,764	511,234	1,379,551	155,682	286,508	32,560	4,129,056	14,055
Previous year	59,493,180	4,002,836	689,961	1,694,874	182,221	1,141,713	12,335	13,666,845	26,697

* (Office closed, information cannot be obtained.)

† (Included in Lethbridge.)

‡ (Office closed, information cannot be obtained.)

†† Pulpwood Cords.

SESSIONAL PAPER No. 25

STATEMENT "D," showing the number of Hay Permits issued at the respective Crown Timber Offices and the amount of hay covered thereby for the year ended March 31, 1918.

Agency.	Dominion Lands		School Lands.		Forestry Lands.		Revenue.
	Number Permits Issued.	Tons of Hay.	Number Permits Issued.	Tons of Hay.	Number Permits Issued.	Tons of Hay.	
							\$ cts.
Battleford	359	6,255	526	7,869	24	862	2,187 85
Calgary	37	833	517	13,122	15	445	7,300 02
Dauphin	241	4,322	228	2,553	251	3,887	1,528 35
Edmonton	627	5,066	474	5,186	37	1,749	1,980 14
Grande Prairie	298	5,277	49	614			726 20
High Prairie	44	1,254	7	105	2	10	211 85
Humboldt	172	2,200	432	5,600			1,077 65
Kamloops	9	68			11	102	24 65
Lethbridge	97	3,397	135	1,640	73	2,827	575 50
Maple Creek	231	1,840	412	6,513	78	2,681	
*Medicine Hat							
Moosjaw	53	1,232	880	12,880	71	2,765	2,353 40
New Westminster							
Peace River	131	1,687	28	310			400 64
Prince Albert	367	4,271	307	3,271	90	2,494	1,522 85
Red Deer	72	3,179	367	11,888	3	170	1,235 08
Revelstoke							
Saskatoon	82	1,535	568	11,750	11	227	1,731 95
Swift Current	63	1,415	451	7,351	10	575	894 05
The Pas	15	283	2	75			44 30
Yorkton	71	1,248	239	2,581	74	2,890	1,007 15
†Weyburn							1,213 25
Winnipeg	775	11,299	707	10,004	95	1,597	3,094 60
Total	3,734	56,661	6,329	103,312	845	23,281	29,109 48
Previous year	3,834	62,689	6,676	108,227	625	17,953	22,897 19

*Included in statement Lethbridge Office.
 †Office closed. Particulars cannot be obtained.

SCHOOL LANDS DIVISION, W. T. ROLLINS.

By the terms of an Order in Council dated the 8th of March, 1918, that portion of an Order in Council of the 25th January, 1913, making the School Lands Branch a separate branch of the Department of the Interior was rescinded, and the administration of School Lands was transferred to the Dominion Lands Branch for the purpose of consolidation, with a view to economy and in the interests of the public service.

A comparison of the business transacted by the School Lands Division for the present fiscal year with that of the previous year, as shown by the annual reports, shows a very substantial increase in the revenue derived for each of the three provinces; also an exceptionally large increase in the work performed.

Sales.—Sales of school lands were held at Beauséjour, Teulon, Swan River, and Birtle, in the province of Manitoba; at Windthorst, Nokomis, Young, Morse, Brownlee, Maple Creek, Gull Lake, Shaunavon, and Oxbow, in the province of Saskatchewan; and at Coronation, Castor, Drumheller, Hanna, and Three Hills, in the province of Alberta, during the months of October and November, 1917.

In the province of Manitoba, 16,037.83 acres were disposed of for \$182,624.61, an average of \$11.39 per acre.

In the province of Saskatchewan, 214,550.40 acres were disposed of for \$4,151,374.29, an average of \$19.35 per acre.

In the province of Alberta, 96,400.35 acres were disposed of for \$1,860,090.15, an average of \$19.30 per acre.

A number of lots in a subdivision of the townsite of Drumheller, Alta., were also disposed of for \$39,935.

The total area disposed of in each province for the year, including areas sold to railway companies, and for school sites, was as follows:—

Province—	Area Sold.	Amount Realized.
Manitoba	16,072.97	\$ 182,981 59
Saskatchewan	214,743.13	4,154,276 17
Alberta	96,859.73	1,906,281 89

After making the necessary adjustments on account of cancellations, etc., the approximate net area sold in each province to March 31, 1918, was as follows:—

Province—	Area Sold.	Amount Realized.	Average.
Manitoba	686,693.75	\$ 6,673,374 00	\$ 9 71
Saskatchewan	921,662.85	14,318,896 33	15 54
Alberta	795,349.81	10,353,891 55	13 02

Down to the same date the amount realized from sales of town lots was as follows: Manitoba, \$5,388; Saskatchewan, \$16,463; Alberta, \$39,935.

Grazing.—During the fiscal year, 6,731 grazing permits were issued, as follows: Manitoba, 132; Saskatchewan, 4,715; Alberta, 1,884. The total revenue derived from this source was \$89,201.26.

Coal.—Leases issued during year, 15; leases in force, 120; total revenue produced for the three provinces, \$39,222.60.

Petroleum and Gas.—Leases issued during year, 71; leases in force, 1,081; total revenue derived from this source for the three provinces, \$7,925.86.

Hay.—During the year 6 leases and 6,630 permits were issued for the three provinces; total revenue derived from this source was \$10,304.78.

Timber.—In the three provinces 193 permits were issued during the year, producing a revenue of \$5,202.17.

Cultivation.—Permits issued in the three provinces, 47; revenue derived from this source, \$1,217.05.

Statements herewith lettered A, B, and C, respectively, show the revenue collected from School Lands in the three provinces, as classified.

The total net revenues from each province during the fiscal year was as follows:—

Manitoba	\$ 365,751 66
Saskatchewan	1,418,715 68
Alberta	1,042,359 36
Total	<u>\$2,826,826 70</u>

As provided by the several Orders in Council in that behalf, the revenue collected from School Lands in each province during the fiscal year, less principal moneys of sales, and less, also, the expenditure, was paid over to the Government of each province. The amounts paid were as follows:—

Manitoba—	
Revenue other than principal moneys	\$115,775 08
Less expenditure	14,690 48
Amount paid to province	<u>\$101,084 60</u>

SESSIONAL PAPER No. 25

Saskatchewan—	
Revenue other than principal moneys..	\$343,352 78
Less expenditure..	17,342 87
Amount paid to province..	<u>326,009 91</u>
Alberta—	
Revenue other than principal moneys..	\$311,151 84
Less expenditure..	16,898 03
Amount paid to province..	<u>\$294,253 81</u>

In addition to the foregoing the following amounts were paid to the Provincial Governments, as interest on School Lands' fund for fiscal year, viz:—

Manitoba..	\$ 3,415 35
Saskatchewan..	16,735 61
Alberta..	12,675 11
Total..	<u>\$32,826 07</u>

The total amount paid to each province for the fiscal year was as follows:—

Manitoba	\$104,499 95
Saskatchewan..	342,745 52
Alberta..	306,928 92
Total..	<u>\$754,174 39</u>

The total expenditure for the fiscal year was as follows:—

Manitoba..	\$14,690 48
Saskatchewan..	17,342 87
Alberta..	16,898 03
Total..	<u>\$48,931 38</u>

Statements herewith lettered D, E, and F, respectively, show the balance standing to the credit of the School Lands' funds for each province on March 31, 1918, after deducting amounts invested in Dominion of Canada Debenture Stock as provided by Order in Council of the 7th June, 1917, viz:—

Manitoba—	
Total amount to credit of fund..	\$4,318,326 95
Amount invested in debenture stock..	4,068,000 00
Balance to credit of fund	<u>\$250,326 95</u>
Saskatchewan—	
Total amount to credit of fund..	\$4,966,706 11
Amount invested in debenture stock..	3,891,000 00
Balance to credit of fund..	<u>\$1,075,706 11</u>
Alberta—	
Total amount to credit of fund..	\$3,830,429 53
Amount invested in debenture stock..	3,099,000 00
Balance to credit of fund..	<u>\$731,429 53</u>

The following is an approximate statement of work performed by this Division of the Dominion Lands' Branch during the fiscal year, viz:—

Leases prepared..	92
Grazing permits issued..	6,547
Cultivation permits issued..	47
Assignments registered..	568
Requisitions for patents prepared..	496
“ “ refunds prepared..	535

MANITOBA SCHOOL LANDS.

A.—STATEMENT of revenue collected from school lands for fiscal year from April 1, 1917, to March 31, 1918, both dates inclusive.

	Subs.		Total.	Cultiva- tion.	Timber.	Hay.	Grazing.	Coal.	Petro- leum.	Miscel- laneous.	Regis- tration Fees.	Total.
	Principal.	Interest.										
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Total Reg'n fees transf'd from Dom. Lands.....	249,983 64	109,389 10	359,372 74	209 30	2,375 15	1,875 28	2,648 53	5 00		4 00	226 50	366,490 00
Total Office fees transf'd to Dom. Lands.....	249,983 64	109,389 10	359,372 74	209 30	2,375 15	1,875 28	2,648 53	5 00		4 00	226 50	366,716 50
Total Refunds.....	7 06	86 03	93 09	3 00	23 75	464 00	130 05					477 09
Total.....	249,976 58	109,303 07	359,279 65	206 30	2,233 55	1,278 18	2,518 48	5 00		4 00	226 50	365,751 66

SESSIONAL PAPER No. 25

SASKATCHEWAN SCHOOL LANDS.

B.—STATEMENT of revenue collected from school lands for fiscal year from April 1, 1917, to March 31, 1918, both dates inclusive.

	Sales.		Total.	Cultiva- tion.	Timber.	Hay.	Grazing.	Coal.	Petro- leum.	Potash.	Regis- tration Fee.	Total.												
	Principal.	Interest.																						
	\$	cts.	\$	\$	cts.	\$	\$	cts.	\$	cts.	\$	cts.												
Total	1,077,547	30	278,602	56	1,356,149	86	941	75	1,034	72	8,776	00	56,539	31	1,990	38	5	00	295	00	458	07	1,425,732	02
Reg'n fees transferred from Dom. Lands																								
Total	1,077,547	30	278,602	56	1,356,149	86	941	75	1,034	72	8,776	00	56,539	31	1,990	38	5	00	295	00	458	07	1,425,732	02
Office fees transferred to Dom. Lands										9	75	2,062	00											
Total	1,077,547	30	278,602	56	1,356,149	86	941	75	1,024	97	6,714	00	56,539	31	1,990	38	5	00	295	00	458	07	1,424,118	34
Returns	2,184	40	454	37	2,638	77	20	00			214	60	2,510	13	19	16								
Total	1,075,362	90	278,148	19	1,353,511	09	921	75	1,024	97	6,499	40	51,029	18	1,971	22	5	00	295	00	458	07	1,418,715	68

ALBERTA SCHOOL LANDS.

C.—STATEMENT of revenue collected from school lands for fiscal year from April 1, 1917, to March 31, 1918, both dates inclusive.

	Sales.		Total.	Cultivation.	Timber.	Hay.	Grazing.	Coal.	Petroleum.	Quarrying.	Registration Fees.	Total.
	Principal.	Interest.										
	\$ cts.	\$ est.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Total.....	731,665 47	228,661 30	960,326 77	89 00	1,981 90	3,466 80	34,445 96	37,271 38	8,509 00	20 00	7 25	1,046,118 06
Reg'n fees transferred from Dom. Lands.....											550 50	550 50
Total.....	731,665 47	228,661 30	960,326 77	89 00	1,981 90	3,466 80	34,445 96	37,271 38	8,509 00	20 00	557 75	1,046,668 56
Office fees transferred to Dom. Lands.....					14 75	784 50						799 25
Total.....	731,665 47	228,661 30	960,326 77	89 00	1,967 15	2,682 30	34,445 96	37,271 38	8,509 00	20 00	557 75	1,045,869 31
Refunds.....	457 95	447 90	905 85		23 50	155 10	1,792 36	25 00	588 14	20 00		3,509 95
Total.....	731,207 52	228,213 40	959,420 92	89 00	1,943 65	2,527 20	32,653 60	37,246 38	7,920 86		557 75	1,042,359 36

SESSIONAL PAPER No. 25

MANITOBA SCHOOL LANDS.

D.—STATEMENT of revenue and expenditure on account of Manitoba school lands for fiscal year ended March 31, 1918.

Particulars.	Period.	Dr.		Cr.	
		\$	cts.	\$	cts.
By balance on April 1, 1917.....					350 37
“ Sales.....	12 months ended Mar. 31, 1918.				359,279 65
Cultivation permits, timber dues, grazing rentals, petroleum, and hay leases.....	“ “				6,245 51
By Registration fees.....	“ “				226 50
“ Interest on Fund.....	“ “				3,415 35
To Cost of management at Ottawa.....	“ “		5,808 66		
“ Salaries, printing, advertising, and general expenses.....	“ “		8,881 82		
“ Revenue and interest paid to Manitoba Government.....	“ “		101,084 60		
“ Interest on fund paid to Manitoba Government.....	“ “		3,415 35		
“ Balance, March 31, 1918.....	“ “		250,326 95		
			369,517 38		369,517 35

NOTE.—Balance at credit of Manitoba School Lands Fund on April 1, 1917, was \$4,063,350.37, of which \$4,063,000 is invested in Dominion of Canada Debenture Stock maturing October 1, 1919, at 5 per cent per annum, as per Order in Council of June 7, 1917.

SASKATCHEWAN SCHOOL LANDS.

E.—STATEMENT of revenue and expenditure on account of Saskatchewan school lands for fiscal year ended March 31, 1918.

Particulars.	Period.	Dr.		Cr.	
		\$	cts.	\$	cts.
By Balance on April 1, 1917.....					343 21
“ Sales.....	12 months ended Mar. 31, 1918.				1,353,511 09
“ Cultivation permits, timber dues, grazing rentals, petroleum and hay leases.....	“ “				64,746 52
“ Registration fees.....	“ “				458 07
“ Interest on fund.....	“ “				16,735 61
To Cost of management at Ottawa.....	“ “		5,808 66		
“ Salaries, printing, advertising, and general expenses.....	“ “		11,534 21		
“ Revenue and interest paid to Saskatchewan Government.....	“ “		326,009 91		
“ Interest on fund paid to Saskatchewan Government.....	“ “		16,735 61		
“ Balance on March 31, 1918.....	“ “		1,075,706 11		
			1,435,794 50		1,435,794 50

NOTE.—Balance at credit of Saskatchewan School Lands Fund on April 1, 1917, was \$3,891,343.21, of which \$3,391,000 is invested in Dominion of Canada Debenture Stock maturing October 1, 1919, at 5 per cent per annum, as per Order in Council of June 7, 1917.

ALBERTA SCHOOL LANDS.

F.—STATEMENT of revenue and expenditure on account of Alberta school lands for fiscal year ended March 31, 1918.

Particulars.	Period.	Dr.		Cr.	
		\$	cts.	\$	cts.
By Balance on April 1, 1917.....					222 01
" Sales.....	12 months ended Mar. 31, 1918.			959,420	92
" Cultivation permits, grazing rentals, and petroleum.....	" "			82,380	69
" Registration fees.....	" "			557	75
" Interest on fund.....	" "			12,675	11
To Cost of management at Ottawa.....	" "	5,808	66		
" Salaries, printing and general expenses.....	" "	11,089	37		
" Revenue and interest paid to Alberta Government.....	" "	294,253	81		
" Interest on fund paid to Alberta Government.....	" "	12,675	11		
" Balance on March 31, 1918.....	" "	731,429	53		
		1,055,256	48	1,055,256	48

NOTE.—Balance at credit of Alberta School Lands Fund on April 1, 1917, was \$3,099,222.01, of which \$2,099,000 is invested in Dominion of Canada Debenture Stock maturing October 1, 1919, at 5 per cent per annum, as per Order in Council of June 7, 1917.

LAND PATENTS BRANCH.

Report of N. O. Coté, Controller of Land Patents Branch of the Department of the Interior for the fiscal year ended March 31, 1918, with statements in relation thereto, marked A to I, inclusive

LETTERS PATENT.

The number of letters patent issued during the period mentioned was 23,227, covering an area of 3,721,632 acres, which may be classified as follows:—

Province.	Patents.	Acres
Manitoba.....	1,371	214,996
Saskatchewan.....	12,765	2,053,639
Alberta.....	8,819	1,420,335
British Columbia.....	261	32,469
Yukon Territory.....	8	172
Northwest Territories.....	3	21
	23,227	3,721,632

These grants, which are given in detail in the statements marked A to G, inclusive, may be summarized as follows:—

Grants.	Patents.	Acres.
Homesteads.....	14,544	2,333,478
Sales.....	1,020	146,827
Pre-emption sales.....	6,138	976,395
Purchased homesteads.....	876	137,253
Railways.....	508	122,296
Special or free grants.....	67	4,255
Northwest half-breeds.....	5	797
Licenses of occupation.....	44	331
Quit claims.....	25	—
	23,227	3,721,632

SESSIONAL PAPER No. 25

There was an increase of 4,453 patents and 702,454 acres, as compared with the preceding year.

There are recorded in the Land Patents Branch 380,726 letters patent, aggregating 88,980,712 acres, which have been issued since May, 1873, to March 31, 1918.

LANDS DISPOSED OF.

Nine thousand two hundred and seventy-seven entries were granted during the year, aggregating an approximate area of 1,484,320 acres, made up as follows:—

		Acres.
Homestead Entries—		
Manitoba..	1,593	
Saskatchewan..	2,741	
Alberta..	3,808	
British Columbia..	177	
	<hr/>	
	8,319	1,331,040
Pre-emption Entries—		
Saskatchewan..	547	
Alberta..	220	
	<hr/>	
	767	122,720
Purchased homesteads—		
Saskatchewan..	124	
Alberta..	67	
	<hr/>	
	191	30,560
	<hr/>	
	9,277	1,484,320
	<hr/>	

There was a decrease in the number of homestead entries granted, as compared with the previous year, of 2,880 entries.

By land agencies, the 8,319 homestead entries were made up as follows:—

Manitoba—		
Dauphin..		725
Winnipeg..		868
		<hr/>
		1,593
Saskatchewan—		
Battleford..		363
Humboldt..		279
Maple Creek..		300
Moosejaw..		421
Prince Albert..		558
Saskatoon..		225
Swift Current..		320
Weyburn..		137
Yorkton..		138
		<hr/>
		2,741
Alberta—		
Calgary..		291
Edmonton..		1,536
Grande Prairie..		886
High Prairie..		116
Lethbridge..		92
Medicine Hat..		270
Peace River..		451
Red Deer..		166
		<hr/>
		3,808
British Columbia—		
Kamloops..		127
New Westminster..		32
Revelstoke..		18
		<hr/>
		177
		<hr/>

The 8,319 entrants for homesteads represented 19,802 persons, as compiled from the information obtained from each entrant. Of these entries 2,663 were made by residents of the several provinces of the Dominion; 10 by Canadians who had returned from the United States; and 1,087 by persons who had obtained homestead entries, but which had either been cancelled by default or at the request of the entrants in order, in most cases, to enter for other lands; 1,315 were made by persons from the British Isles, 2,084 by Americans, 125 by naturalized Austro-Hungarians, 217 by Russians, 248 by Norwegians, 195 by Swedes, 10 by naturalized Germans, 54 by Frenchmen, 39 by Belgians, and the remaining 272 homestead entries were made by citizens of various other countries.

CANCELLED ENTRIES.

There were cancelled during the same period 7,584 entries, made up as follows:—

	Manitoba.	Saskatche- wan.	Alberta.	British Columbia.
Homesteads.....	1,128	2,193	2,813	180
Pre-emptions.....		708	482	
Purchased homesteads.....		46	12	
Sales.....		19	3	
Total.....	1,128	2,966	3,310	180

SALES.

Four hundred and fourteen sales were made during the fiscal year for 18,221 acres of land, with an average for each sale of about 44.01 acres.

NEWLY SURVEYED LANDS THROWN OPEN TO HOMESTEAD ENTRY.

During the past fiscal year newly surveyed lands, comprised in thirty-seven townships, were made available for homestead entry in the following land agencies: Revelstoke, British Columbia, in five townships; Kamloops, British Columbia, in thirty-two townships.

ACCOUNTS AND REVENUE.

There are at present kept in the branch about 45,000 accounts in connection with purchased homesteads, pre-emptions, and ordinary sales.

During the fiscal year \$2,970,260.76, including \$306,886.82 interest on deferred payments, was received on account of purchased homesteads, pre-emptions, and ordinary sales, being an increase of \$292,019.59 as compared with the payments received during the previous year.

REFUNDS.

There were 2,371 refunds made amounting to \$87,176.45, as follows:—

On account of improvements on cancelled homesteads, 1,058 refunds.....	\$61,080 60	
Overpayments on sales, and moneys paid on cancelled purchased homestead entries and cancelled pre-emption sales, 1,313 refunds.....	26,095 85	
		\$87,176 45

SESSIONAL PAPER No. 25

A. —STATEMENT OF LETTERS PATENT covering Dominion Lands situate in Manitoba, Saskatchewan, Alberta, Northwest Territories, British Columbia, and the Yukon Territory issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917 to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Alberta Railway and Irrigation Co's sales.....	25	13,276	34	34,065
2	British Columbia Homesteads.....	121	15,255	144	17,687
3	British Columbia sales.....	31	612	29	594
4	Coal lands sales.....			6	1,108
5	Coal surface sales.....	2	6		
6	Commutation grants.....			1	50
7	Greater Winnipeg Water District.....			15	2,148
8	Homesteads.....	14,318	2,301,330	12,672	2,067,086
9	Homesteads, Peace River Block.....	104	16,571	83	13,209
10	Hudson's Bay Co.....			34	16,997
11	License of occupation.....	44	331	35	140
12	Manitoba University grants.....			1	165
13	Military bounty grants.....	1	159		
14	Military homesteads.....	1	322	1	243
15	Mining lands sales.....	9	455	3	114
16	Mineral rights (974 acres).....	4		5	
17	Northwest half-breed grants.....	5	797	6	965
18	Parish sales.....	3	1,163	4	392
19	Pre-emption sales.....	6,138	976,395	3,567	567,628
20	Purchased homesteads.....	876	137,253	748	117,660
21	Quit claim, special grants (2,914 acres).....	25		30	
	RAILWAYS:—				
22	Alberta and Great Waterways Railway Co.....	30	418	2	13
23	Calgary and Edmonton Railway Co.....	122	46,915	84	26,989
24	Canadian Northern Alberta Railway Co.....	1	6	2	15
25	Canadian Northern Railway Co.....	46	37,262	61	10,413
26	Canadian Northwestern Railway Co.....	1	2	5	81
27	Canadian Pacific Railway grants.....	26	222	35	289
28	Canadian Pacific Railway roadbed and station grounds.....	21	70	11	88
29	Central Canada Railway Co.....	14	191		
30	Edmonton, Dunvegan and British Columbia Rail- way Co.....	74	1,285	16	237
31	Grand Trunk Pacific Railway.....	11	222	13	194
32	Grand Trunk Pacific Branch Lines Co.....	9	74	16	116
33	Kootenay Central Railway Co.....	1	1	1	9
34	Manitoba and Southeastern Railway Co.....			6	910
35	Manitoba and Northwestern Railway Co.....	5	11		
36	Qu'Appelle, Long Lake and Saskatchewan Railroad and Steamboat Co.....	147	35,617	191	40,160
37	Winnipeg River Railway Co.....			2	55
38	Sales.....	376	34,299	352	29,427
39	School lands sales.....	562	96,844	440	62,567
40	Special grants.....	66	4,096	88	6,824
41	Vancouver Power Co., right of way.....			1	10
42	Yukon Territory homesteads.....			1	160
43	Yukon Territory sales (174 acres).....	8	172	29	970
	Totals.....	23,227	3,721,632	18,774	3,019,178

9 GEORGE V, A. 1919

B.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the province of Manitoba, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Commutation grants.....			1	50
2	Greater Winnipeg Water District.....			15	2,148
3	Homesteads.....	1,138	183,243	919	145,135
4	Hudson's Bay Co.....			19	10,506
5	Manitoba University grants.....			1	165
6	Mining lands sales.....	8	301	2	95
7	Parish sales.....	2	377	4	392
8	Pre-emption sales.....	2	279	1	143
9	Quit claim, special grants (160 acres).....	1		1	
	Railways—				
10	Canadian Northern Railway Co.....	4	61	23	381
11	Canadian Pacific Railway grants.....	1	7		
12	Canadian Pacific Railway road-bed and station grounds.....	17	28	2	7
13	Grand Trunk Pacific Railway.....	1	1		
14	Manitoba and Northwestern Railway Co.....	2	3		
15	Winnipeg River Railway Co.....			2	55
16	Sales.....	41	2,198	37	1,980
17	School lands sales.....	147	28,436	183	30,881
18	Special grants.....	7	62	15	730
	Totals.....	1,371	214,996	1,225	192,663

SESSIONAL PAPER No. 25

C.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the province of Saskatchewan, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Homesteads.....	7,794	1,251,722	6,789	1,109,426
2	Hudson's Bay Co.....			7	3,044
3	License of occupation.....	20	92	19	85
4	Military homesteads.....	1	322		
5	Northwest half-breed grants.....	2	319	3	563
6	Pre-emption sales.....	3,722	591,615	2,259	359,108
7	Purchased homesteads.....	593	92,765	499	78,003
8	Quit claim, special grants (2,971 acres).....	21		24	
	Railways—				
9	Calgary and Edmonton Railway Co.....	1	159	2	321
10	Canadian Northern Railway Co.....	42	37,201	38	10,032
11	Canadian Pacific Railway grants.....	25	215	19	133
12	Canadian Pacific Railway road-bed and station grounds.....	3	33		
13	Grand Trunk Pacific Railway.....	6	19	5	65
14	Grand Trunk Pacific Branch Lines Co.....	1	6	15	103
15	Manitoba and Northwestern Railway Co.....	3	8		
16	Manitoba and Southeastern Railway Co.....			6	910
17	Qu'Appelle Long Lake and Saskatchewan Railroad and Steamboat Co.....				
		147	35,617	191	40,160
18	Sales.....	166	14,619	169	16,273
19	School lands sales.....	190	26,721	148	16,004
20	Special grants.....	28	2,206	37	2,311
	Totals.....	12,765	2,053,639	10,230	1,636,551

D.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the province of Alberta, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Alberta Railway and Irrigation Co.'s sales.....	25	13,276	34	34,065
2	Coal lands sales.....			6	1,108
3	Coal surface sales.....	2	6		
4	Homesteads.....	5,386	866,365	4,964	812,525
5	Hudson's Bay Co.....			7	3,418
6	License of occupation.....	24	239	16	55
7	Military bounty grants.....	1	159		
8	Military homesteads.....			1	243
9	Mining lands sales.....	1	154	1	19
10	Mineral rights (975 acres).....	4		5	
11	Northwest half-breed grants.....	3	478	3	402
12	Parish sales.....	1	786		
13	Pre-emption sales.....	2,414	384,501	1,307	207,777
14	Purchased homesteads.....	282	44,477	249	39,657
15	Quit claim, special grants (199 acres).....	3		5	
	Railways—				
16	Alberta and Great Waterways Railway Co.....	30	418	2	13
17	Calgary and Edmonton Railway Co.....	121	46,756	82	26,668
18	Canadian Northern Alberta Railway Co.....	1	6	2	15
19	Canadian Northwestern Railway Co.....	1	2	5	81
20	Central Canada Railway Co.....	14	191		
21	Canadian Pacific Railway grants.....			16	151
22	Edmonton Dunvegan and British Columbia Rail- way Co.....	74	1,285	16	237
23	Grand Trunk Pacific Railway Co.....	4	202	8	129
24	Grand Trunk Pacific Branch Lines Co.....	8	68	1	8
25	Sales.....	167	17,466	143	11,055
26	School lands sales.....	225	41,687	109	15,682
27	Special grants.....	28	1,813	33	3,687
	Totals.....	8,819	1,420,335	7,015	1,156,995

SESSIONAL PAPER No. 25

E.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the province of British Columbia, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	British Columbia homesteads.....	121	15,255	144	17,687
2	British Columbia sales.....	31	612	29	594
3	Homesteads, Peace River Block.....	104	16,571	83	13,209
4	Purchased homesteads.....	1	11		
4	Railways—				
5	Canadian Pacific Railway road-bed and station grounds.....	1	9	9	81
6	Kootenay Central Railway Co.....	1	1	1	9
7	Special grants.....	2	10	3	96
8	Vancouver Power Co., right of way.....			1	10
	Totals.....	261	32,469	270	31,686

F.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the Yukon Territory, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917, and recorded in the Land Patents Branch.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Yukon Territory homesteads.....			1	160
2	Yukon Territory sales (174 acres), under rights.....	8	172	29	970
	Totals.....	8	172	30	1,130

G.—STATEMENT OF LETTERS PATENT covering Dominion Lands situate in the North-west Territories, issued from the Department of the Interior during the fiscal year ending March 31, 1918, as compared with the fiscal year ending March 31, 1917.

No.	Nature of Grant.	From April 1, 1917, to March 31, 1918.		From April 1, 1916, to March 31, 1917.	
		Patents.	Acres.	Patents.	Acres.
1	Hudson's Bay Co.....			1	29
2	Sales.....	2	16	3	119
3	Special grants.....	1	5		
	Totals.....	3	21	4	148

H.—STATEMENT showing the number of homestead entries made during the fiscal year ending March 31, 1918, the nationality of the homesteaders and the provinces in which the entries were made.

Nationalities.	Provinces.				Total.
	Manitoba.	Saskatch- ewan.	Alberta.	British Columbia.	
Canadians from Ontario.....	225	433	502	19	1,179
“ “ Quebec.....	64	183	174	4	425
“ “ Nova Scotia.....	47	30	57	4	138
“ “ New Brunswick.....	9	21	55	2	87
“ “ Prince Edward Island.....	3	13	31	2	49
“ “ Manitoba.....	264	103	32	4	403
“ “ Saskatchewan.....	12	127	36	2	177
“ “ Alberta.....	3	16	137	2	158
“ “ British Columbia.....		7	24	16	47
Persons who had previous entry.....	218	321	531	17	1,087
Newfoundlanders.....		4	3	1	8
Canadians returned from the United States.....		5	5		10
Americans.....	154	694	1,222	34	2,084
English.....	239	269	346	34	888
Scotch.....	83	79	113	5	285
Irish.....	27	39	64	12	142
French.....	13	23	13		54
Belgians.....	9	14	16		39
Swiss.....	8	8	7	1	24
Italians.....	1	6	16	2	25
Roumanians.....		14	5		19
Syrians.....		2			2
Germans.....	4	3	3		10
Austro-Hungarians.....	53	30	33	4	125
Hollanders.....	2	15	24	1	42
Danes (other than Icelanders).....	5	8	33		46
Icelanders.....	33	3	2		38
Swedes.....	43	64	81	7	195
Norwegians.....	19	84	142	3	248
Russians (other than Finns).....	35	105	77		217
Finns.....	24	6	8		38
Servians.....		1	1		2
Bulgarians.....		1	3		4
Chinese.....			1		1
Japanese.....		2			2
Persians.....		2			2
Australians.....		2	3	1	6
New Zealanders.....			2		2
Hindoos.....					
Hebrews.....	1		1		2
Algerians.....	1				1
Luxemburger.....		1			1
Spaniard.....	1				1
Poles.....			2		2
South African.....			1		1
West Indies.....			1		1
Mexicans.....			2		2
Total.....	1,594	2,737	3,811	177	8,319

Number of souls represented by above entries, 19,802.

SESSIONAL PAPER No. 25

I.—STATEMENT showing the number of homestead entries made in the provinces of Manitoba, Saskatchewan, Alberta and British Columbia during the fiscal year ending March 31, 1918, by persons coming from the United States of America.

States.	Provinces.				Total.
	Manitoba.	Saskatchewan.	Alberta.	British Columbia.	
Alabama.....			1		1
Alaska.....			1		1
Arizona.....					
Arkansas.....	2	1	5		8
California.....		1	15	3	19
Carolina, North.....	1	3	10	1	15
Carolina, South.....			2		2
Colorado.....			8		8
Columbia, District of.....					
Connecticut.....		2	3		5
Dakota, North.....	19	111	102	2	234
Dakota, South.....	3	33	31		67
Delaware.....					
Florida.....		1	1		2
Georgia.....		1	5		6
Idaho.....		1	30	3	34
Illinois.....	18	48	80	1	147
Indiana.....	1	11	37	1	50
Indian Territory.....					
Iowa.....	10	64	89	2	165
Kansas.....	2	14	48		64
Kentucky.....	1	3	15	1	20
Louisiana.....					
Maine.....	3	9	10		22
Maryland.....			2		2
Massachusetts.....	3	12	12	2	29
Michigan.....	10	44	83	3	140
Minnesota.....	30	164	177	2	373
Mississippi.....	1	1	4		6
Missouri.....	1	16	51		68
Montana.....	2	16	24		42
Nebraska.....	1	15	36	1	53
Nevada.....		2	1		3
New Hampshire.....		3	2		5
New Jersey.....	1		3		4
New Mexico.....			3		3
New York.....	4	12	40	2	58
Ohio.....	4	16	39	1	60
Oklahoma.....	1	6	21		28
Oregon.....		3	23	2	28
Pennsylvania.....	2	12	36	3	53
Rhode Island.....		4			4
Tennessee.....	1	8	8	1	18
Texas.....	1	4	14		19
Utah.....		2	5		7
Vermont.....		1	5		6
Virginia.....	4	4	1		9
Virginia, West.....		2	7		9
Washington.....		7	58		65
Wisconsin.....	7	41	71	4	123
Wyoming.....	1	1	5		7
Total.....	134	699	1,224	35	2,092

9 GEORGE V, A. 1919

REPORT OF THE ACTING SUPERINTENDING ACCOUNTANT,
G. D. POPE.

STATEMENTS of revenue collected from various sources during the fiscal year ended March 31, 1918, as follows:—

A.—Dominion Lands, including Yukon.	\$ 4,557,438 61
B.—Ordinance Lands.	7,929 75
C.—School Lands.	2,836,216 40
D.—Registration Fees, Yukon.	562 25
E.—Fines and Forfeitures.	553 00
F.—Casual Revenue.	9,074 15
G.—Seed Grain and Relief Repayments.	2,613,708 67
H.—Fines under Immigration Act.	3,133 00
I.—Chinese Immigration Revenue.	336,757 00
J.—Sales of Land, Special account.	626,263 49
	\$10,991,576 32

A statement of revenue on account of Dominion Lands (marked K) shows the receipts, classified under subheads.

Statement (marked L) shows a comparison between the receipts on account of revenue of the previous twelve months.

DOMINION LANDS REVENUE (cash and scrip) for the fiscal year ended March 31, 1918.

Agencies.	Cash.	Scrip.	Total.
<i>Yukon Territory—</i>	\$ cts.	\$ cts.	\$ cts.
Sales of land.	1,062 12		1,062 12
Rentals of land.	6,872 15		6,872 15
Map sales, office fees, etc.	60 50		60 50
Timber dues.	12,238 31		12,238 31
Hay permits.	28 20		28 20
Mining fees.	45,644 50		45,644 50
Export tax on gold.	81,650 55		81,650 55
Free certificates for export of gold.	35 00		35 00
Hydraulic leases.	2,273 23		2,273 23
Dredging leases.	701 76		701 76
Coal royalty and fees.	40 00		40 00
Homestead fees.	50 00		50 00
Interim receipt account.	153 00		153 00
	150,809 32		150,809 32
<i>Dominion Lands Agencies—</i>			
Battleford.	111,475 50		111,475 50
Calgary.	595,419 31		595,419 31
Dauphin.	11,929 94		11,929 94
Edmonton.	54,021 91		54,021 91
Grande Prairie.	17,296 07		17,296 07
High Prairie.	2,173 90		2,173 20
Humboldt.	8,599 74		8,599 94
Kamloops.	7,927 20		7,927 20
Lethbridge.	190,043 17		190,043 17
Maple Creek.	490,297 87		490,297 87
Medicine Hat.	260,238 33		260,238 33
Moosejaw.	568,225 48	43 12	568,268 60
New Westminster.	4,070 01		4,070 01
Peace River.	9,118 02		9,118 02
Prince Albert.	15,283 46	88 35	15,371 81
Red Deer.	73,500 02		73,500 02
The Pas.	509 40		509 40
Revelstoke.	1,408 21		1,408 21
Saskatoon.	269,914 77		269,914 77
Swift Current.	414,761 47		414,761 47
Weyburn.	81,869 35		81,869 35
Winnipeg.	26,656 14		26,656 14
Yorkton.	4,320 29		4,320 29
	3,219,059 56	131 47	3,219,191 03

SESSIONAL PAPER No. 25

DOMINION LANDS REVENUE (cash and scrip for the fiscal year ended March 31, 1918
—*Concluded.*

Agencies.	Cash.	Scrip.	Total.
<i>Crown Timber Agencies—</i>	\$ cts.	\$ cts.	\$ cts.
Battleford.....	924 93		924 93
Calgary.....	32,446 02		32,446 02
Dauphin.....	18,919 96		18,919 96
Edmonton.....	127,857 44		127,857 44
Grande Prairie.....	877 51		877 51
High Prairie.....	341 23		341 23
Humboldt.....	237 88		237 88
Kamloops.....	13,871 34		13,871 34
Lethbridge.....	690 84		690 84
Maple Creek.....	297 30		297 30
Medicine Hat.....	248 60		248 60
Moose Jaw.....	459 70		459 70
New Westminster.....	75,707 67		75,707 67
Peace River.....	961 46		961 46
The Pas.....	1,328 30		1,328 30
Prince Albert.....	102,659 95		102,659 95
Red Deer.....	1,356 45		1,356 45
Revelstoke.....	26,707 13		26,707 13
Saskatoon.....	118 00		118 00
Swift Current.....	5 25		5 25
Winnipeg.....	62,566 70		62,566 70
Yorkton.....	1,202 28		1,202 28
	469,767 94		469,767 94
<i>Miscellaneous—</i>			
Rocky Mountain Park.....	43,632 08		43,632 08
Jasper Park.....	5,292 83		5,292 83
Yoho Park.....	502 40		502 40
Waterton Lakes Park.....	1,307 65		1,307 65
Elk Island Park.....	1 00		1 00
Buffalo Park.....	142 46		142 46
Glacier Park.....	331 90		331 90
Fort Anne Park.....	45 00		45 00
Antelope Park.....	905 20		905 20
Survey fees.....	7,915 99		7,915 99
Irrigation fees.....	458 75		458 75
Map sales, Office fees, etc.....	9,261 44		9,261 44
Fees, Board of Examiners, D.L.S.....	250 00		250 00
Mining fees.....	14,034 81		14,034 81
Grazing lands.....	125,300 69	240 00	125,540 69
Grazing lands (Improvements).....	1,172 60		1,172 60
Hay permits.....	10,833 42		10,833 42
Coal lands.....	334,849 57		334,849 57
Dredging leases.....	2,241 69		2,241 69
Stone quarries.....	7,117 30		7,117 30
Rent of water power.....	1,210 00		1,210 00
Suspense account.....	3,598 95		3,598 95
Petroleum.....	124,179 69		124,179 69
Sand, stone and gravel.....	1,094 98		1,094 98
Forestry Branch—Sale of trees, etc.....	3,907 50		3,907 50
Fishing permits.....	67 00		67 00
Improvements.....	11 00		11 00
General sales.....	1,298 19		1,298 19
Rentals.....	941 31		941 31
Miscellaneous.....	4,240 85		4,240 85
Irrigation sales.....	11,595 54		11,595 54
Potash leases.....	60 00		60 00
	717,891 79	240 00	718,041 79
Total revenue.....	4,557,438 61	371 47	4,557,810 08
Less refunds.....	113,680 44		113,680 44
	4,443,758 17	371 47	4,444,129 64

Ordinance lands revenue for the fiscal year ended March 31, 1918, was \$7,929.75.

9 GEORGE V, A. 1919

STATEMENT of receipts on account of school lands for the fiscal year ended
March 31, 1918.

Manitoba school lands..	\$ 366,228 75
Saskatchewan school lands..	1,424,118 34
Alberta school lands..	1,045,869 31
Total..	\$2,836,216 40

Registration fees in the Yukon Territory for the fiscal year ended March 31, 1918, amounted to \$562.25.

Fines and forfeitures for the fiscal year ended March 31, 1918, amounted to \$553.

Casual revenue for the fiscal year ended March 31, 1918, amounted to \$9,033.80.

STATEMENT showing the net repayments on account of seed-grain and relief mortgages
for the fiscal year ended March 31, 1918.

Year.	Gross Collections.		Refunds.		Net Receipts.	
	\$	cts.	\$	cts.	\$	cts.
1876.....	301	61			301	61
1886-7.8.....	456	16			456	16
1890.....	74	70			74	70
1894.....	525	42	203	48	321	94
1895.....	365	23	36	79	328	44
1896.....	393	25	14	20	379	05
1900.....	201	41			201	41
1905.....	343	66			343	66
1908.....	12,826	29	523	95	12,302	34
1909.....	869	26			869	26
1911.....	17,812	09	20	29	17,791	80
1912.....	21,250	26	47	62	21,202	64
1913.....	2,168	64	115	55	2,053	09
1914.....	8,710	57	5	48	8,705	09
1915, seed grain.....	1,460,878	98	8,967	76	1,451,911	22
1915, relief.....	1,034,821	73	36,442	94	998,378	79
1917.....	19,002	94			19,002	94
Relief advances.....	32,706	47	9	85	32,696	62
Total.....	2,613,708	67	46,387	91	2,567,320	76

Fines under Immigration Act for the fiscal year ended March 31, 1918, amounted to \$3,133, less refunds of \$120, leaving a balance of \$3,013.

STATEMENT of Chinese immigration revenue collected by ports during the fiscal year
1917-18.

Port.	Number of Chinese Exempts.	Paying Head Tax.		Registration for leave.		Other Revenue.	Total Revenue.
		Number of Chinese.	Amount.	Number.	Amount.		
			\$ cts.		\$ cts.	\$ cts.	\$ cts.
Victoria.....	61	30	15,000 00	1,023	1,023 00	50 00	16,073 00
Vancouver.....	57	83	41,500 00	1,882	1,882 00	500 00	43,882 00
Montreal.....	1	248	124,000 00	1	1 00		124,001 00
Ottawa.....		266	133,000 00			8,300 00	141,300 00
Halifax.....		2	1,000 00	1	1 00		1,001 00
St. John.....		6	3,000 00				3,000 00
No. Sydney.....		15	7,500 00				7,500 00
All ports.....	119	650	325,000 00	2,907	2,907 00	8,850 00	336,757 00

SESSIONAL PAPER No. 25

DOMINION LANDS REVENUE (cash and script for the fiscal year ended March 31, 1918, credited to the Special Accounts of the following Railway Companies for the Fiscal Year ended March 31, 1918.

Railway Company.	Date of Order in Council.	Amount.	Total.
		\$ cts.	
Calgary and Edmonton Railway	August 17, 1908.....	274,837 38	
Qu'Appelle, Long Lake and Saskatchewan Railway.....	May 8, 1907, July 10, 1907.....	165,969 16	
Lake Manitoba Railway and Canal Company, Canadian Northern Railway System.....	December 5, 1908.....	185,396 95	
	Total.....		\$ 626,203 49

STATEMENT of Gross Cash Receipts on account of Dominion Lands Revenue for the Fiscal Year ended March 31, 1918.

Homestead fees.....	\$ 83,180 00
Pre-emption and purchased homestead fees.....	9,910 00
Improvements.....	89,371 59
General sales of land.....	3,046,091 55
Timber dues.....	482,006 25
Rental from grazing lands.....	125,300 69
Export tax on gold, hay, coal, petroleum, mining fees, etc..	630,427 95
Canadian national parks.....	52,160 52
Survey fees.....	7,915 99
Map sales, rentals, office fees and miscellaneous.....	31,074 07
Total.....	\$4,557,438 61

STATEMENT of Gross Receipts (Cash and Scrip) on account of Dominion Lands Revenue for the Fiscal Year ended March 31, 1918, compared with the previous Fiscal Year.

Particulars.	1917-1918.		1916-1917.		Increase.		Decrease.		Net Increase	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.	\$	cts.
Dominion Lands Agencies.....	3,219,191	03	2,934,509	85	284,681	18				
Crown Timber Agencies.....	469,767	94	414,842	61	54,925	33				
Hay, Mining, Coal, Grazing, etc.....	665,881	27	620,468	33	45,412	94				
Yukon Territory.....	150,809	32	174,565	92			23,756	60		
Canadian National Parks.....	52,160	52	45,851	45	6,309	07				
Totals.....	4,557,810	08	4,190,238	10	391,328	52	23,756	60	367,571	98

REPORT OF THE ORDNANCE AND ADMIRALTY LANDS BRANCH,
J. P. DUNNE, SUPERINTENDENT.

During the fiscal year ending March 31, 1918, there were no public sales of Ordnance Lands held, but with respect to the land, formerly sold or occupied under lease, with option to purchase, twenty-eight parcels or lots situated in the several localities hereunder mentioned have been fully paid and letters patent issued therefor.

1.—GRAND FALLS, N.B.

One farm lot and one town lot located within the boundaries of this reserve which were disposed of at sales by public auction held in September, 1902, and May, 1908, for the sum of \$226.75, have been paid in full and letters patent issued: the balance of the purchase money received within the last fiscal year was \$136.07.

2.—OTTAWA.

Ordnance lands in this locality are occupied by tenants under leases originally granted by the Imperial authorities in which it is provided that the lessees may, upon payment in cash of the purchase price in full for the land occupied, convert their leasehold into freehold and obtain the Crown patent of these parcels or lots; one half lot was redeemed in full and letters patent issued: the total consideration money received for the said parcel was \$120.

3.—PORT MAITLAND.

This reserve is situated on the westerly side of the Grand river at its confluence with lake Erie in the township of Dunn, county of Haldimand and contains an area of about seventy-five acres; it was surveyed and subdivided into thirty-nine parcels or lots in 1916 by order of the department. Nearly the whole of this reserve has been occupied by squatters for many years, to whom the privilege was granted to purchase their holdings, at a valuation, or lease the same for a period of years at a reasonable annual rental with the option of paying the purchase price of the land in full, at any time, and obtaining letters patent therefor. During the past fiscal year twenty-five of these squatters paid the purchase price in full for their holdings, amounting to \$3,957.86, and received letters patent therefor. Eight leases covering portions of the said reserve have been likewise issued.

Moneys received during the fiscal year ending March 31, 1918, on account of ordnance lands, \$7,929.75.

Statement showing the receipts of the year classified as fees, rent, or interest equivalent to rent, and principal:—

Fees	\$ 16 00
Interest	3,430 24
Principal	4,483 51
Total	<u>\$7,929 75</u>

Statement showing amounts due and paid on account of purchase money and rent or interest for the fiscal year ending March 31, 1918:—

Rent or interest	\$2,794 89
Principal	999 53
Total	<u>\$3,794 42</u>

PART II

DOMINION PARKS

REPORT OF THE COMMISSIONER OF DOMINION PARKS.

J. B. HARKIN.

During the fiscal year 1917-18 the work of the Dominion Parks Branch was extended to cover responsibility in connection with the Northwest Game Act and the Migratory Birds Convention Act.

In connection with the first act which deals with wild life matters in the Northwest Territories it was found that changed conditions required a complete revision of the act. A new act was drafted and was passed in August, 1917. The outstanding features of the new act are the provisions by which both the trapping and fur-trading are put under the license system. Through these provisions it is expected that the great fur resources of the North can be adequately conserved without any interference with reasonable commercial exploitation. Evidence had accumulated that alien interests, without any concern in the future, contemplated introducing large numbers of hunters into the north country with a view to a clean-up, utterly regardless of the effect upon the future, either as regards the wild life or the native population, which is almost entirely dependent upon the wild life for its food supply. The new act provides means of effectually handling such conditions.

The new act also provides special protective measures for musk-ox. Investigation showed that only such measures could prevent the extermination of this characteristic animal of the North.

BARREN-LAND CARIBOU.

Apropos of the Northwest Game Act it may be a matter of interest that the parks branch made very extensive investigation as to the possibility of utilizing the vast herds of barren land caribou to supplement the meat supply of the Dominion. It is estimated that there are at least 20,000,000 to 30,000,000 caribou in the North. As a food, caribou meat is of first-class quality. The hide when tanned is equal to the best chamois. It is only a question of time when these vast herds will constitute a valuable asset for the Dominion. The only difficulty in the way of the utilization of these animals to-day is one of transportation. After full investigation it was felt that while, undoubtedly, caribou meat could be brought out now at fairly reasonable prices, the meat situation in the Dominion was scarcely such as called for immediate action. The caribou to-day constitute a great meat reserve for the country which can be made available if food conditions should continue to grow worse.

Throughout the preparation of the act and regulations thereunder the department received gratifying co-operation on the part of the Hudson Bay Company, the Northern Trading Company and other interests concerned in the fur trade.

The administration of the new act is being carried on under the direction of the parks service. The actual administration on the ground is being carried on by the Royal Northwest Mounted Police.

MIGRATORY BIRDS CONVENTION ACT.

The Migratory Birds Convention Act was passed to give effect to the Canadian-American treaty providing for the protection of migratory birds. The treaty was entered into because it was recognized that the bird life of North America could be

effectively conserved only by joint action of the United States, where the birds spend the winter, and by Canada, where the birds breed and spend the summer. The act was passed during the session of 1917 and the regulations thereunder were subsequently drafted and enacted.

Before the treaty was made all the provinces were consulted and all agreed to its principles. The supervision of the administration of the act rests upon the Department of the Interior. It is expected, however, that the actual administration on the ground will be carried on by the provincial authorities. The understanding is that the provinces will amend their legislation whenever necessary to make it conform with the terms of the treaty and that therefore when administering their own laws the provincial authorities will be administering the Federal Act.

So far as the Dominion is concerned it is felt that its most important duty at the outset, at all events, will be to carry on a campaign of education throughout the Dominion in order that the public may be made to realize the necessity of every one interesting himself in the subject of adequate protection of bird life.

THE PARKS AND THE WAR.

The parks service has been carried on with an appropriation equivalent to 45 per cent of the appropriation available before the war began. Necessarily, this has resulted in very little more than ordinary maintenance being carried on.

The war has also caused a diminution of tourist traffic from other countries. However, so far as Canadian tourist traffic is concerned, there has been a very substantial increase. This increase was very gratifying when it is considered that, primarily, national parks are maintained in order that the people of Canada may obtain in a maximum degree that recreation and relaxation in the out-of-doors which are essential to the well-being of the individual. The remarkable influx of people from the Prairie Provinces indicated that when our own people have brought home to them the opportunities their own parks offer they are quick to take advantage of them. In the spring of 1917 the department sent a lecturer to the West, who gave illustrated talks on the parks at Brandon and Regina and in almost every picture house in Alberta. The effect of his addresses was: "These are your own parks. They are right at your front door. Come and enjoy them." The result was that though foreign tourist traffic was much below the average, towns like Banff in Rocky Mountains park never before had such a prosperous year. The most satisfying feature of this is the feeling that thousands of our own people obtained the benefits parks have to offer in the form of renewed vigour and efficiency, mental and physical.

A large number of the visitors came to the parks in their own automobiles and camped out during their visit.

The number of automobiles which registered at the Kananaskis gate, Rocky Mountains park, were:—

1916.	786
1917.	2,000

This remarkable increase emphasizes the fact that the automobile is destined to be a dominant factor in parks tourist traffic. And it, therefore, also emphasizes the necessity of attention being concentrated on road development in parks.

THE BANFF-WINDERMERE HIGHWAY.

During the year negotiations were carried on with the province of British Columbia in regard to the completion of the Banff-Windermere highway. This road, when completed, will provide one of the most remarkable motor routes in the world. A motorist will be able to make a 500-mile round trip, during every mile of which he will either be in the mountains or within sight of them. The route proceeding

SESSIONAL PAPER No. 25

from Calgary via Banff crosses the main Rockies by Vermilion pass, proceeds down the Vermilion valley to the Kootenay valley; then via Sinclair pass to the Columbia valley. From there it proceeds along the Columbia to the Crow'snest Pass district by which it enters the prairies, proceeding thence to Calgary. Only about 50 miles of new construction remains to open up this wonderful route. The unfinished work is in British Columbia. That province is not in a position to proceed with the work and has made proposals looking towards the Dominion undertaking this work. The direction the proposals have taken is that in return for completing this road the province should grant to the Dominion a 10-mile strip along the highway in British Columbia for parks' purposes, and that an amicable adjustment should be made in regard to the various matters of jurisdiction within Dominion Parks, concerning which there has been conflict as between the province and the Dominion. The subject has been gone into very completely and there appears to be no reason to anticipate anything but an adjustment satisfactory to both the province and the Dominion.

EDMONTON-VANCOUVER HIGHWAY.

Just as the Banff-Windermere Highway project is capable of completion by the linking up of constructed roads at comparatively little cost there is another automobile highway project which can be developed with very little new construction. This is a highway connecting Edmonton with Vancouver. The consolidation of the Canadian Northern and Grand Trunk Pacific railways from the vicinity of Edson, Alberta, to Moose lake, British Columbia, and the consequent abandonment of a first-class road grade between these points has made the project of a motor-road between Edmonton and Vancouver a practicable proposition. Edmonton is already connected with Edson by highway. From that point the abandoned railway roadbed will carry the highway across the main Rockies into British Columbia. The balance of the route to Vancouver is merely a matter of linking up existing roads. Last autumn Mr. Alfred Driscoll, C.E., an engineer in the parks service made a reconnaissance survey of this route. In his report he says:—

“The distance between Thompson river and Trout creek is 36 miles and this is the only stretch between Edmonton and Vancouver where an entirely new road is to be built, a remarkable fact, when the distance, some 500 miles, and the nature of the country between these two places is taken into consideration.”

Mr. Driscoll's estimate of the cost of this highway is \$1,000,000, a remarkably small sum when the results are considered. When it is realized that the twentieth century is to be the century of automobiles as the nineteenth century was the century of railways, and when the huge automobile traffic which originates along the American-Pacific coast is borne in mind, one cannot fail to be impressed with the view that a highway of this kind across the entire Rocky Mountain system will attract touring autoists in tens of thousands and thus provide huge returns upon the actual cost. The abandonment of the railway roadbeds has given Canada an extraordinary opportunity to construct a transmontane motor road. At the request of the Department of the Interior the Department of Railways is leaving the bridges, culverts, etc., on the abandoned roadbed intact. The advantages and the potentialities of this highway are bound to command attention in the years of readjustment at the conclusion of the war.

Another highway proposition which has been given consideration is one which will make available for automobiles the unparalleled scenic splendours of Glacier park made famous by the Canadian Pacific Railway “loops” in the Selkirks. The construction of the Connaught tunnel between Bear creek and Glacier has brought about

the abandonment of the Canadian Pacific Railway tracks between these points, including Rogers pass, which was the highest point in the Canadian Pacific Railway system. With the granting of title to the railway company for the tunnel site, the old roadbed reverts to the Crown. The transformation of the roadbed into an automobile road is necessarily neither expensive nor difficult, and it will give about eighteen miles of highway among the towering peaks and marvellous icefields of the Selkirks.

ALIEN PRISONERS' CAMP.

Early in the summer of 1917 the last of the internment camps in the parks was closed down. This was necessitated by the release for industrial purposes of a large proportion of the alien enemies. It was not considered that the comparatively small number remaining would justify the continuation of the working camps and, therefore, the balance of the prisoners were transferred to camps in northern Ontario. While the operation of the alien camps in Revelstoke, Yoho and Jasper parks did not yield as great results as anticipated, nevertheless substantial progress was made on works that could not otherwise have been undertaken during the war.

UTILIZATION OF PRISON LABOUR.

In connection with the question of road construction a great deal of investigation has been made upon the subject of the utilization of jail and penitentiary prisoners with the idea that this class of labour might eventually be secured for parks work. This investigation showed that in the United States most satisfactory results have been attained in many of the states in connection with road construction by prisoners.

One of the problems which those who deal with the prisoners have to meet is the provision of suitable employment. It is now generally admitted that it is very injurious to maintain prisoners either in illeness or in unproductive labour. The difficulty is to find employment which is productive and yet which does not compete with free labour.

I understand that in so far as possible Canadian prisoners are given productive work, but I note that the superintendent of Canadian penitentiaries says in his report for 1915:—

“Our officers are obliged to utilize labour at stonebreaking and other industries that are neither desirable nor profitable. For the insufficiency of suitable and productive employment the officers are in no way responsible.”

In this connection I would point out that there is an immense field for the employment of labour in the construction of roads in Canada; that this is work which is undoubtedly both necessary and productive and which at the present time, owing to the shortage of free labour and the high cost of wages, it is almost impossible to undertake.

It is, moreover, the experience of other countries that this form of employment not only does not interfere with the ends of prison discipline but that it is the best which can be adopted, not only economically for the state, but also in securing the reformation of the prisoner.

A considerable part of the roadbuilding in the United States in recent years has been made possible by the use of convict labour and the system is gradually being adopted throughout the entire country. Ten years ago only about 1 per cent of the prison population in the United States was engaged in roadwork; to-day over 12 per cent are so employed and all but two of the states have laws authorizing its use. For the most part the system was adopted primarily, not for economic reasons, but to meet the problem stated by the superintendent of Canadian penitentiaries, the need of finding suitable and productive employment for prisoners. It was found in most

SESSIONAL PAPER No. 25

states that the great majority of convicts were drawn from the ranks of those engaged in outdoor occupations. Their employment in prison shops had not only the disadvantage of competing with free labour but it resulted in a physical deterioration and prisoners were often unfitted when released to resume their former occupations. Prison farms, although offering suitable and healthful employment, were seldom remunerative and unless very large could not absorb all the available supply of labour. Road construction, on the other hand, is work which is very necessary to the State but which it is often impossible to undertake because of the expense involved. In addition, it has three advantages—it competes less than any other form of employment with free labour, it absorbs all available labour, and it has excellent physical and mental results in so far as the prisoners themselves are concerned.

As the system has been in practice in a number of the states for several years, under widely varying climatic and other conditions, there is now a considerable body of evidence as to its success. New Jersey, Michigan, New Mexico, Arizona, Utah, Texas, New York state, Washington, District of Columbia, Florida and Alabama all use prisoners for road construction.

Virginia employs an average of about 750 men in roadwork and is building macadam roads at a cost of \$3,400 per mile, where free labour had been costing \$4,900 per mile, a saving of \$1,500 per mile. At the last session the legislature appropriated \$250,000 for this division of the highway department. Georgia, employs approximately 5,000 of its prisoners in roadwork, South Carolina, 1,100, Louisiana, from 150 to 300. North Carolina has about 1,500 in 42 counties engaged in this form of labour, and has built 1,500 miles of hard-surfaced roads. Missouri, Greene county, has built 35 miles of standard 14-foot rock road with the aid of county prisoners at a cost of \$1,200 per mile. Colorado has been employing a daily average of about 200 men and has built over 1,000 miles of road, ranking with the best of the world, at about one-third the cost of free labour and an estimated total saving to the State of over \$1,000,000.

The general concensus of opinion appears to be that, properly conducted and operated under suitable conditions, the use of convict labour for this purpose permits of the construction of roads at a considerable saving to the state and offers the best solution with regard to the employment of prisoners.

Mr. G. P. Coleman, State Highway Commissioner for Virginia, said in his last address to the legislature:—

“I can say here, from an experience covering eleven years, that I know of no work on which convicts can be used which is of greater benefit to the state, first, in the upbuilding of the character of the criminal himself, since he soon learns that the work he is doing is of value to the state as a whole, and he takes pride in it as he grows to feel that he is instrumental in the development of the state whose law he has broken; second, in the construction and maintenance of its roads and the consequent development and expansion of the state’s resources.”

Mr. J. E. Pennybacker, Chief of the Division of Road Economics, Washington, says in a recent report published by the Department of Agriculture:—

“No field can be selected in which the expenditure of prison labour can be applied with greater benefit to the state for the reason that as a whole there is no greater need than the improvement of highways. It is true that the value of such labour cannot be measured so readily in dollars and cents as the industrial labour within the penitentiary, but there is every reason to believe that, properly conducted, the roadwork may be carried on with as much efficiency as the penitentiary industries, while the former has the additional advantage of requiring no sale or transfer to place it in public use. At this point let it

be noted, that although the convict labour, so applied, may be of very great benefit to the state, it also is of benefit to the convict himself in that it brings to him the realization he cannot grasp in the prison shop grind, that he may be of real importance in life as a producing agent."

The 1914-16 Biennial Report of the State Board of Prison Directors, California, contains the following:—

"During the last year embraced in this report the experiment of working prisoners in the construction and repair of highways in remote and sparsely settled sections of the state has been tried. The result has been gratifying. 188 prisoners from San Quentin and 60 from Folsom prison were at work on roads at the close of the fiscal year.

"The percentage of escapes has been very small. We are advised by the Highway Department that the standard of efficiency is as great, if not greater, than that of free men employed in the construction of highways. It is approximately estimated that the cost of construction is considerably less than one-half of the cost of constructing roads with free labour."

Extract from report of the state warden in connection with the above:—

"At the session of the legislature in 1915, there was passed a law providing for the use of prisoners in the building of highways. Immediately after the law became effective preparations were made for putting it into immediate operation. In September, 1915, through the co-operation of the highway commissioners and your board camps were arranged and men selected for the work. The first group of men, 47 in number, were carefully selected and sent to the camp established for them near Cummings, in Mendocino county. Following, small groups of men have been sent since that time and now, after a year's operation, more than 300 men have been sent to the camps in Mendocino county from San Quentin and out of that number only 5 have been lost by escape. At the present time 188 men are engaged in that work, and I state it conservatively when I say that from the standpoint of work accomplished and standard of conduct maintained, the men have done very well and the system of building highways by prison labour under the honour system is a success. I feel safe in saying that this plan must be developed to an extent that will make it possible to build links in the main highway and also to construct laterals in mountain counties that might remain untouched for years."

Not long ago the United States Department of Agriculture conducted an investigation into the whole question and published its findings in a special bulletin "Convict Labour for Road Work." On page 11 of this report is the following:—

"Of all the advantages that are urged in favour of roadwork as an occupation, that which carries the greatest force is that such work is undoubtedly more healthful than any form of employment which may be provided in a prison shop. Hard manual labour, in close touch with nature and its fresh air and sunshine, is universally recognized as most beneficial while continuous dwelling within doors, with only such periods of exercise as it is convenient to allow, is a most unnatural life for all but a small proportion of the State's prisoners and is observed to have a depressing effect upon the vitality of most of the convicts, with no marked good effects upon any of them."

"Aside from its deleterious physical effect the monotony of prison shop labour has a tendency to reduce the mental activity of the inmate unused to such life, and upon release, many of the members of the professional and mercantile classes find themselves no longer able to keep pace with their more alert

SESSIONAL PAPER No. 25

competitors. Work on the roads offering as it does, a variety of employment, has no such degenerative mental effect and for this reason, is better than shop work as an occupation for about three-fourths of the prison population.

Samuel W. Hill, the "Father of American Good Roads" declares:—

"There are four ways by means of which we may accomplish the great dream of a coherent comprehensive, national highways plan; first, through the gift of money for roadbuilding; second, through deferred taxation, bonds; third, through direct taxation; fourth, through convict labour. We in the northwest, have found the fourth most effective. It is most remunerative for the people and the men."

Julian Leavitt, July, 1913:—

"Good roads are a crying necessity in this country. But until now the cost of building them has been prohibitive. We have scarcely begun to realize that in our 1,400 prison houses we have stored the labour power of 100,000 men and boys—truly an army of liberation if applied to a good purpose."

With regard to the efficiency and discipline of these road camps, Thos. B. Tynan, Colorado, said:—

"The discipline at the camps has been as nearly perfect as possible and the effect upon the prisoners has given them superb health and has improved their physical condition. There is nothing to prevent a man's escape, should he be so inclined, yet withal, out of over 1,000 individual men in the past three years the percentage of successful escapes from our camps is less than one per cent."

The chief objections usually presented against this form of employment are:—

1. That it exposes the convict to the public gaze and so tends to harden both the public and the prisoner.
2. That it provides a greater opportunity for escape.
3. That convict labour is less efficient than free labour and that it is difficult to make prisoners work.

The first two objections have no force with regard to the proposal to utilize prisoners on roads in the parks, for the prisoners would be engaged in such remote districts that they would come in contact, practically, with no one and the character of the country would make escape almost impossible.

With regard to the third there is a difference of opinion. As a rule the efficiency of the convict appears to depend chiefly upon the system adopted and the general spirit of the camp, due principally to the character of the camp officers. In many of the states prisoners are worked on what is known as the "honour system" and this has been found to produce the best results in the north and west. In the south where prisoners are of a lower type the "guard system" has been more successful, but where the general standards are higher, such as they are in Canada, the consensus of opinion is in favour of the honour system. By this method prisoners who have made good within prison walls are promoted to work on roads and an incentive to work is given by a system of rewards, by a deduction of so many days per month for good work and in some cases by paying them a small wage.

With regard to the comparative efficiency of convict and free labour the Chief of the Division of Road Economics states that this differs according to the class of work and general conditions. The United States Bureau of Labour has secured data in this respect from a large number of sources. In the south prison labour was found to be considerably more efficient than free labour. The New England States reported it about two-thirds as efficient; the Western States about equally efficient.

In this connection Warden Tynan of Colorado said:—

“Personally I believe that our men have worked far more faithfully, harder and with more enthusiasm than the paid labourer would. Not that the paid labourer is to be disparaged, but the convict employed on this class of work has the following special incentives; outdoor life, sunshine, better clothing, better food and more privileges as against the walls and rigid discipline of the prison, and an additional allowance of ten days per month from his sentence, and these incentives spur the men on to work with a degree of zeal, energy and loyalty that cannot be attained by the regular grading or mining camp.”

In 1913 prison labour was employed in Arizona for the construction of the Bisbee-Tombstone highway and a comparison of the work accomplished was made with that done by free labour under the same conditions a month later. The report shows that not only was the work done by the convicts at lower unit costs but the actual work accomplished per individual in the same time was greater for convicts than for free men.

Activity.	July, prison labour.			September, free labour.		
	Total quantities.	Quantities per man.	Unit price.	Total quantities.	Quantities per man.	Unit price.
	Cu. yds.	Cu. yds.	\$ cts.	Cu. yds.	Cu. yds.	\$ cts.
Grading—						
Solid rock.....	1,649 7	21 42	1,375 00	981 6	13 82	2 13
Loose rock.....	961 3	12 48	0 59	521 6	7 34	1 51
Boulders.....	829 8	10 78	0 81	937 9	13 21	1 77
Excavation—						
Solid rock.....	389 5	5 06	1 23	219 1	3 09	2 67
Loose rock.....	21 5	0 28	1 16	3 0	0 04	1 66
Concrete.....	143 4	1 86	6 00	65 0	0 91	9 44
Masonry.....	44 4	0 58	5 46	37 0	0 52	6 53
Ditching—						
Solid rock.....	84 1	1 09	1 52	21 7	0 31	2 64
Earth.....	39 8	0 52	0 46	53 0	0 75	0 92
Clearing and grubbing..	7 0*	0 09*	11 31	3 0	0 04	11 87

*Acres.

One thing which adds to this form of labour is that it is absolutely dependable. Mr. Pennybacker says:—

“Plans for work can be made in advance with a sure knowledge that the anticipated number of labourers will be on hand to execute them. There can be no tardiness in the convict camp such as is frequently the fault with free labour, and furthermore, the regularity of the force enables a competent overseer to develop the maximum efficiency of each man to an extent that is not possible with shifting free labour.”

In connection with its investigations the parks branch during the past winter wrote to some of the states which have been especially successful in the use of prison labour as to their opinion of its comparative efficiency. The replies received were almost invariably favourable but I have room to quote from only one or two.

Extract from letter from Harden Bennion, Secretary of State, Utah, U.S.A., dated February 14, 1918:—

“For the past three years the state of Utah has successfully worked its convicts on the state roads and, while the expense of guarding and camp maintenance is somewhat higher than it would be if the men were confined in the

SESSIONAL PAPER No. 25

penitentiary, yet the benefit derived from road construction accomplished, and particularly the benefit that comes to the men themselves through their being out in the open engaged in good hard work, is such that we feel abundantly justified and repaid for our efforts.

“I have been more closely associated with this work during the past year than heretofore, but for this season we have found that our prisoners do as much work man for man, as anybody we can hire.

“We have little difficulty in preventing their escape and we find that they take pride in the work accomplished and seem to feel that they are more nearly like other men and, above all, we find the men in a much better condition to be turned loose on their own responsibility at the termination of their sentence; of course, we do not take out into the camps the dangerous or vicious men.”

Extract from letter from A. C. McKibbin, Secretary State Highway Board, Missouri, January 29, 1918:—

“The State Highway Department is using honour men from the Missouri State Penitentiary in road construction. This work was commenced several months ago but we have not compiled an extensive report. We have thirty men in each camp. We find the chief advantage lies in the fact that they soon become experienced roadbuilders, and take a very keen interest in their work. For example, we had occasion to make an eight-foot rock cut into nearly a quarter of a mile of solid rock in order to reduce a prohibitive grade. Three experienced miners accustomed to handling steam and air drills were assigned to this work. They accomplished wonders.”

BUFFALO.

The Buffalo herds continue to thrive and expand. The following are the figures:

Park.	No. of Buffalo.
Rocky Mountains	8
Buffalo	2,920
Elk Island	161
	<hr/>
	3,089

An increase of 545 over last year.

During the winter of 1917-18 the department abandoned the practice of putting all the animals in Buffalo park into “winter quarters” and feeding them hay. Most of the cows and younger animals were driven into winter quarters but the balance of the herd were left on the range.

It was considered that economy would be served and that at the same time the compelling of the sturdy animals to rustle for themselves in the winter would contribute to their welfare much more than if they were regularly fed hay. Of course the herds on the range were carefully watched. These animals came through the winter in remarkably fine condition. It is now felt that except under abnormal conditions they will at all times be able to care for themselves as well in winter as in summer.

THE FUNDAMENTAL PURPOSE OF PARKS.

In each annual report in the past I have emphasized the fundamental purpose of national parks—the conservation of human vitality and efficiency in Canada. Each year that the war has been in progress accentuates the necessity of development on the lines that parks stand for. At the outbreak of the war Baden-Powell said that 1935 would show who was really victor. Each nation concerned is now expending lavishly the best it possesses in the way of human resources. The nation which devotes most

attention to the conservation and development of the human resources which it retains is the nation that is going to stand highest in 1935. Speaking in Montreal, in 1908, Viscount Milner said:—

“I say, ultimately greatness and power rest on the welfare and contentedness of the mass of the people. And this involves so much; the physical health of men and women, with all that is necessary to ensure it: air, space, cleanliness, exercise, good houses, good food, and all that is included generally in domestic economy. Physical health first as the basis; then of course trained intelligence, the power of thought and observation, quickness of hand and eye, the development of various forms of industrial skill and so forth.”

Physical health first as the basis, then trained intelligence. It is true there are many agencies that contribute to these but none contribute more than that for which national parks exist, viz., recreation close to nature. While national parks are centres for recreation in the wilderness it is always considered that their influence must be made to extend far beyond those who visit the parks. The purpose of parks is as much to proclaim and teach the necessity of recreation everywhere as it is to provide specific areas for recreation. More and more the public are realizing that no human being can be at his best without recreation, especially recreation close to nature in the out-of-doors. People are recognizing this more perhaps from observation and experience of results than from reasoned analysis. But many acute minds have also analyzed conditions and have shown why man needs this sort of recreation and why this sort of recreation produces the results it does.

At the outset it is obvious that the tremendous commercial and economic changes brought about by civilization have radically changed man's habits of life. To-day everyone feels the everlasting urge of progress. Men of the past worked intermittently. To-day the strenuous life of civilization compels man to live under stress and tension; men by sheer will power and concentration hold themselves down for long hours to desks and machines. Their natural inclinations are inhibited and restrained. This involves continuous mental effort, nervous strain and the constant use of the higher brain centres. Such conditions result in rapid and extreme fatigue and the need for rest and relaxation of some kind becomes imperative. Otherwise there follows lowered vitality, organic and nervous disease or actual physical break-down.

It is interesting to note that investigations by the Life Extension Institute (New York) show that there is a marked decline in the power of modern workers to withstand the strain of present day life. Organic disease of all kinds is on the increase and it is appearing much earlier in life. This means that men are wearing out sooner than they used to, many of them in the prime of life. It indicates that as a race we are growing weaker.

It is possible that in a few hundred years man will have become accustomed to the new demands upon him. In the meantime he has to learn how to keep fit under existing conditions. He does this best by temporary returns to simpler and more primitive behaviour in which the nerve centres in use during his ordinary occupations are not employed. Laughter, games, sport, recreation, rest, are the natural antidotes and the best.

Laughter means relaxation, games are imitations of primitive occupations, the hunt, the chase, or tribal warfare. In these old grooves, nerves, will, and action co-ordinate with so little effort as to produce a sense of pleasure. The older, the more basic, the more primitive the brain patterns used in our hours of relaxation, the more complete our rest and enjoyment. That is why so many brain and city workers feel the absolute necessity of returning each year for a brief time to the wilderness. Man is after all an out of doors animal. For thousands of years he lived by the camp fire and got his living by hunting or fishing. Nature has been his home for countless generations and when the strain and stress of civilization grow too heavy he turns back to her and finds rest, enjoyment, and recreation.

APPENDIX No. 1.

ROCKY MOUNTAINS PARK.

SUPERINTENDENT, S. J. CLARKE.

During the past year the boundaries of Rocky Mountains park were enlarged from 1,800 to 2,751 square miles. The park now extends as far as the Clearwater river to the north, and takes in the watershed of the Kananaskis to the south. Both these areas have been protected for game purposes by the parks organization since the reduction of the parks boundaries in 1911. The northern area is one of the best game districts on the eastern slope of the Rockies and a natural breeding place for sheep, goat and deer. The Kananaskis district has long been a favourite objective for visitors to Banff. The lakes are not only very beautiful, but they provide some of the best fishing to be found in this park.

During the past season over four times as many autos visited Banff as ever before. This increase was due not so much to foreign or long distance travel as to visitors from the Middle west and was largely the result of the publicity work of the Dominion Parks branch. The automobile has practically driven the more picturesque but slower tally-ho off the roads.

Owing to the small appropriation due to the war and the removal of alien prison labour to an internment camp in Ontario, little new work was undertaken, the principal being the continuation of the construction of the Castle-Lake Louise motor road.

On the Calgary-Banff motor road a gang of men was employed on the maintenance and repair of 32 miles of road between the eastern entrance of the park and Banff.

On the automobile road to Castle mountain work was opened last year on the Johnston Creek canyon. A trail was made, where that was possible, low down in the canyon and a series of rustic bridges thrown across the stream, terminating opposite the first falls about half a mile from the mouth of the canyon. This spot was the principal objective of many of the motoring parties which came into the park and during July and August it was a rare day on which fewer than fifty car-loads were carried to see the wonders of this spot.

There are at the present time 134 miles of roads in the park, including the town streets, and 337 miles of trails. In Banff, townsite and villa, there are 40,558 feet of gravel and cinder walks, and 2,688 feet of asphalt macadam walk. There are also 45,440 feet of water mains and 40,752 feet of sewer.

A number of additional street water cranes were put in during the year which enabled the street sprinkling system in Banff townsite to be extended without extra expense.

The analysis of the Banff water supply gave uniformly satisfactory results.

FIRES.

There were no forest fires of any size notwithstanding the unusually dry season.

The two minor ones that occurred provided an excellent test of the efficiency of the portable fire pumps.

The town fire brigade fortunately had not many calls during the year. It is a voluntary organization and its membership has been very largely depleted by enlistments in the Empire's fighting forces, but its work of protection is always promptly and admirably done.

GAME.

All game is plentiful and elk and moose have appeared in the Park for the first time. During the year five mountain sheep were shipped to the Smithsonian Institute at Washington, D.C. During the winter the wardens destroyed 152 coyotes and 4 lynx. In the enclosure the animals are as follows: buffalo, 8; moose, 10; elk, 34; mule deer, 11; white tail deer, 2; Persian sheep, 5; angora goats, 15; Rocky Mountain sheep, 18; Rocky Mountain goat, 6; four-horned sheep, 23; yak, 19; yearling elk (brought from Gardner, Yellowstone park), 50.

The increases at the animal paddocks were: yak, 4; elk, 3 (calves); Rocky Mountain lambs, 2; Rocky Mountain goat, 3 (caught by game wardens).

FISH HATCHERY.

This institution, under the Naval Department, is flourishing and valuable results are expected from its work.

The following fry were liberated into the lakes and streams:—

Lake Minnewanka—	
Lake herring.	2,188,060
Atlantic salmon.	102,940
Whisky Creek—	
Cut-throat trout.	12,527

A shipment was also made to Jasper and Yoho parks during the year. The fry in hatchery at end of October numbered 308,363.

There were 4,725 visitors to the hatchery during the season.

GOLF LINKS.

The taking over of the golf links from the hotel management of the Canadian Pacific Railway before the opening of the summer season met with the most successful results which ever attended the operation of the course, both in the matter of revenue and the number of players.

An extension of the course by another nine holes was begun in the early summer, making use of alien labour for this purpose, but the work was postponed, when the alien camp closed down. At the end of the season, however, a gang of workmen was put on and excellent progress made.

LICENSES.

A statement of the licenses issued shows:—

Autos.	1,756
Livery (horse).	13
Boats of various sorts.	53
Miscellaneous.	388

Seventy-one grazing and 114 timber permits were also issued.

The auto licenses show a considerable increase over last year.

There was very little building done during the season. The number of permits issued was 23, covering an estimated total expenditure of \$16,630.

An excellent camping ground was laid out at the junction of the Bow and Spray rivers and was very popular. Seventy-three permits, exclusive of those to visitors during the auto week, were issued.

SESSIONAL PAPER No. 25

WINTER CARNIVAL.

The second winter carnival, with its ice palace and sports, was held at Banff, February 5-15, and proved a great success. Probably there is no place in Canada which is so ideally situated or possesses so many natural attractions as Banff. It therefore seems possible that when the war is over and things return to a more normal condition, the town may become not only the mecca for the summer tourist but also the winter play-ground for all America.

THE BATH HOUSES.

These were well patronized. The number of bathers at the upper hot springs during the past year was nearly 27,000, the largest on record.

At the cave and basin there were 35,411 bathers; 34,048 paying and 1,363 free. This was an increase of 6,773 over the previous year.

HEALTH.

Public health in the park was uniformly good. During the year Dr. R. H. Brett was appointed parks medical health officer. He will undertake duties of a nature intended to prevent outbreaks of infectious disease and otherwise help the administration in the general maintenance of the health of the park.

THE BANFF MUSEUM.

The museum under Curator N. B. Sanson did good work during the year, and added a number of interesting specimens to its well arranged exhibits.

THE ALPINE CLUB OF CANADA.

The Banff Club House.

The Alpine club house was open as usual during June, July, August and September, to members and their friends. Many inquiries were received about the geography of the country and the possibility of expeditions outside the conventional drives organized by the transportation companies.

The second ascent of mount Louise was made and declared to be the hardest rock climb the Rockies or Selkirks known to the climbers, Mr. V. A. Flynn of the English and Canadian Alpine clubs and Edward Feuz, the Swiss guide.

Mount Rundle was climbed and the trip to and through Johnson canyon found to be most attractive. The river grows in popularity. From it are undoubtedly obtained the finest views of the mountains within easy reach.

At Lake Louise the usual ascents were made. Mr. Flynn, with Rudolph Aemmer, made the summits of mounts Lefroy and Victoria in one long day, the first time such an expedition had been attempted.

The visitors to the club house were drawn from every province in Canada from as far east as New York and New England in the United States.

APPENDIX No. 1a.

STATEMENTS OF PERSONS REGISTERED AT THE VARIOUS HOTELS
IN THE ROCKY MOUNTAINS PARK DURING THE PERIOD FROM 1st
APRIL, 1917, TO 31st MARCH, 1918.

HOT SPRINGS HOTEL (open all year).		BANFF SPRINGS HOTEL, Banff, Alta., Seasons 1916 and 1917.	
Canada..	540	1916.	1917.
United States..	15	Manitoba..	22 61
Other countries..	3	(Winnipeg)	355 574
	558	Saskatchewan	189 331
		Alberta..	1,427 1,818
		British Columbia.	210 254
		Total..	2,203 3,038
MOUNT ROYAL HOTEL, from May 1, 1917, to October 15, 1917.		Increase..	835
Total visitors, 5,150.			
(This hotel does not keep any record of the nationality of its visitors.)		Newfoundland..	3 —
		Prince Edward Island..	6 8
		Nova Scotia..	7 25
		New Brunswick..	11 30
		Quebec..	244 232
		Ontario..	487 567
		Total..	758 862
		Increase..	104
ALBERTA HOTEL (open all year).		Maine..	24 16
Canada..	3,845	New Hampshire..	11 5
United States..	610	Vermont	11 13
Other countries..	18	Massachusetts	312 107
	4,473	(Boston)	206 172
		Connecticut	114 61
		Rhode Island..	44 25
		New York State..	295 233
		(New York City)	1,234 781
		Pennsylvania..	224 70
		(Pittsburg)	38 73
		(Philadelphia)	296 168
		New Jersey..	195 150
		Delaware..	17 4
		Maryland..	82 36
		District of Columbia	84 99
		West Virginia..	24 12
		Virginia..	72 20
		Total..	3,283 2,045
		Increase..	1,238
HOMESTEAD HOTEL (open during summer months only).		Kentucky..	52 26
Canada..	2,412	Tennessee..	51 30
United States..	658	North Carolina..	6 7
Great Britain..	3	South Carolina..	9 3
Other countries..	12	Georgia..	40 13
	3,085	Alabama..	37 27
		Mississippi..	12 12
		Louisiana..	31 39
		Florida..	10 3
		Total..	248 160
		Increase..	88
SANATARIUM HOTEL.			
No records were kept by this hotel during the season. Estimated number of guests, 5,000.			
KING EDWARD HOTEL, from April 1, 1917, to March 31, 1918.			
Canada..	5,253		
United States..	605		
England..	25		
Australia..	30		
China..	8		
New Zealand..	4		
India..	4		
Hawaii..	4		
Scotland..	3		
Java..	3		
Holland..	2		
Wales..	1		
Korea..	1		
Germany..	1		
	5,944		

SESSIONAL PAPER No. 25

BANFF SPRINGS HOTEL Banff, Alta.,
Seasons, 1916 and 1917—Continued.

BANFF SPRINGS HOTEL, Banff, Alta.,
Seasons, 1916 and 1917—Concluded.

	1916.	1917.
Ohio	115	151
(Cleveland)	134	62
(Cincinnati)	74	54
Michigan	91	51
(Detroit)	108	87
Indiana	95	56
(Indianapolis)	39	12
Illinois	218	106
(Chicago)	607	499
Iowa	118	48
Total	1,599	1,126
Decrease	473	
Missouri	46	30
(St. Louis)	197	76
(Kansas City)	45	47
Kansas	32	26
Arkansas	19	9
Oklahoma	15	33
Nebraska	37	32
(Omaha)	16	16
Texas	73	52
Total	365	321
Decrease	44	
Wisconsin	74	61
(Milwaukee)	74	39
Minnesota	64	36
(Minneapolis)	159	167
(St. Paul)	63	45
North Dakota	30	30
South Dakota	4	4
Total	468	382
Decrease	86	
Washington	182	149
Oregon	119	74
California	293	249
(San Francisco)	191	218
(Los Angeles)	229	145
Total	1,005	835
Decrease	170	
Nevada	11	11
Montana	26	8
Idaho	2	9
Colorado	20	12
Utah	6	2
Arizona	12	6
Total	66	48
Decrease	18	
Alaska	3	1
West Indies	13	10
Java	18	18
Mexico and Central America	2	6
South America	7	7
Total	25	42
Increase		17

	1916.	1917.
England	85	59
Ireland	4	2
Scotland	12	2
France	19	21
Holland	7	79
Other European countries	14	13
Total	132	158
Increase	26	
Australia	112	79
New Zealand	49	13
China	50	44
India	27	17
Hawaii	41	17
Philippine Islands	14	18
Japan	26	18
Africa	5	2
Asia	5	—
Persia	2	—
Straits Settlements	14	9
Total	345	268
Decrease	137	
Unlocated	121	79

Conducted Parties (otherwise unlocated).

Raymond & Whitcomb	55	40
Thos. Cook & Sons	29	—
G. K. & B.	48	37
Various parties	73	42
Total	197	119
Decrease	78	
Total, 1916	10,812	
Total, 1917	9,414	
Decrease	1,398	

CHATEAU LAKE LOUISE, Lake Louise,
Alta.—Seasons, 1916 and 1917.

	1916.	1917.
Manitoba	39	21
(Winnipeg)	203	222
Saskatchewan	319	128
Alberta	721	504
British Columbia	158	164
Total	1,440	1,039
Increase		401
Prince Edward Island	3	2
Nova Scotia	17	11
New Brunswick	23	19
Quebec	122	179
Ontario	417	447
Total	582	649
Decrease	67	

9 GEORGE V, A. 1919

CHATEAU LAKE LOUISE, Lake Louise, Alta.—Seasons, 1916 and 1917—Continued.			CHATEAU LAKE LOUISE, Lake Louise, Alta.—Seasons, 1916 and 1917—Concluded.		
	1916.	1917.		1916.	1917.
Maine.....	22	26	Washington.....	208	340
New Hampshire.....	4	32	Oregon.....	123	184
Vermont.....	13	15	California.....	466	504
Massachusetts.....	184	328	(San Francisco).....	276	281
(Boston).....	182	309	(Los Angeles).....	243	409
Connecticut.....	87	162	Nevada.....	8	3
Rhode Island.....	43	93	Total.....	1,324	1,721
New York State.....	235	348	Decrease.....	397	
(New York City).....	908	1,272			
Pennsylvania.....	92	206	Montana.....	6	15
(Pittsburg).....	91	114	Idaho.....	10	8
(Philadelphia).....	262	328	Wyoming.....	1	
New Jersey.....	183	216	Colorado.....	16	19
Delaware.....	4	14	Utah.....		8
Maryland.....	34	93	Arizona.....	6	9
District of Columbia.....	51	109	Total.....	39	59
West Virginia.....	23	27	Decrease.....	20	
Virginia.....	25	66			
Total.....	2,393	3,758	West Indies.....	5	19
Decrease.....	1,365		Mexico and Central America ..	1	3
			South America	4	8
Kentucky.....	36	69	Total.....	10	30
Tennessee.....	34	75	Decrease.....	20	
North Carolina.....	10	11			
South Carolina.....	2	9	England.....	34	66
Georgia.....	33	59	Scotland.....	3	12
Alabama.....	27	27	Ireland.....	2	
Mississippi.....	7	11	France.....	2	13
Louisiana.....	35	43	Italy.....		2
Florida.....	16	27	Switzerland.....		2
Total.....	194	331	Holland.....	65	7
Decrease.....	137		Other European countries. . .	14	3
			Total.....	120	105
Ohio.....	260	284	Increase.....		15
(Cleveland).....	75	156			
(Cincinnati).....	63	102	Australia.....	66	102
Michigan.....	114	151	New Zealand.....	50	34
(Detroit).....	73	124	China.....	60	55
Indiana.....	82	141	India.....	11	15
(Indianapolis).....	32	61	Hawaii.....	35	38
Illinois.....	223	346	Philippine Islands.....	12	20
(Chicago).....	623	801	Africa.....	7	6
Iowa.....	151	249	Japan.....	17	20
Total.....	1,846	2,415	Straits Settlements.....	10	13
Decrease.....	769		Total.....	268	303
			Decrease	35	
Missouri.....	42	50			
(St. Louis).....	88	132	<i>Conducted Parties (otherwise unlocated).</i>		
(Kansas City).....	75	64	Raymond & Whitcomb. . . .	10	37
Kansas.....	40	54	G. K. & B.....	52	78
Arkansas.....	11	14	Various.....	20	85
Oklahoma.....	29	24	Total.....	82	200
Nebraska.....	45	83	Decrease.....	118	
(Omaha).....	28	27			
Texas.....	79	87	Unlocated.....	61	64
Total.....	461	535	Total, 1916.....		12,066
Decrease.....	74		Total, 1917.....		9,155
			Decrease.....		2,911
Wisconsin.....	96	128			
(Milwaukee).....	66	101			
Minnesota.....	50	125			
(Minneapolis).....	222	356			
(St. Paul).....	54	98			
North Dakota.....	43	30			
South Dakota.....	16	19			
Total.....	535	857			
Decrease.....	322				

DOMINION PARKS

SESSIONAL PAPER No. 25

SUMMARY.

Banff Springs Hotel..	9,414
Lake Louise Chalet..	9,155
Hot Springs Hotel..	558
Mount Royal Hotel..	5,150
Alberta Hotel..	4,473
Homestead Hotel..	3,085
Sanitarium (estimated)..	5,000
King Edward Hotel..	5,944
Summer Cottagers and Campers..	8,000
Excursionists (estimated)..	7,000
Motorists..	10,000
	<hr/>
Total previous year..	67,779
	<hr/>
Increase..	57,250
	<hr/>
	10,529

MONTHLY PRECIPITATION.

Month.	Rain.	Snow.	Total.
1917.			
January	7.3	0.73	
February	3.45	0.34	
March	11.3	1.13	
April..	8.0	0.80	
May	2.29	9.9	3.28
June..	2.80	1.5	2.95
July	0.46		0.46
August..	1.87		1.87
September	1.10		1.10
October	0.52	5.7	1.09
November	0.27	0.35	0.31
December	0.27	31.5	3.41
	<hr/>	<hr/>	<hr/>
	9.58	79.00	17.47

Total annual precipitation—17.47.

1918.			
January	0.09	7.9	0.88
February	0.01	19.4	1.95
March	0.05	1.42	1.46

MONTHLY MAXIMUM AND MINIMUM TEMPERATURES.

Month.	Maximum.	Mini- mum.
1917.		
January..	39.8	—38.0
February	44.2	—43.5
March	42.3	—11.1
April	49.0	— 4.7
May..	71.2	16.9
June..	77.6	29.2
July..	90.1	35.0
August.	84.0	29.8
September.	75.6	25.3

MONTHLY MAXIMUM AND MINIMUM TEMPERATURE.—*Con.*

1917.	Month.	Maximum.	Mini- mum.
October.		66.8	0.3
November..		56.0	15.8
December..		44.2	—29.9
1918.			
January.		48.2	—39.9
February		37.0	—36.7
March		51.0	—31.6
	Yearly maximum for 1917—90.1.		
	Yearly minimum for 1917—43.5.		

MONTHLY AVERAGE TEMPERATURE.

Month.	Average.
1917.	
January..	11.4
February..	12.5
March..	20.1
April..	31.9
May..	44.5
June..	50.0
July..	60.5
August..	56.4
September..	48.9
October..	38.2
November..	35.1
December..	9.9

Average annual monthly temperature—
35.0.

1918.	
January..	14.7
February..	14.2
March.	20.0

APPENDIX No. 2.**YOHO PARK.**

SUPERINTENDENT E. N. RUSSELL, FIELD, B.C.

WORK OF THE YEAR.

Early in the year, the usual spring cleaning was done in the townsite of Field, and necessary repairs were made to the sidewalks, and streets.

Some protection work to the bank of the creek at the back of the townsite was also done, as it was considered that the creek might break through and flood the town. Repairs were made to the high bridge at Ottertail over the Ottertail river, and also to the Ottertail and Emerald Lake roads.

ROADS AND TRAILS.

Work was continued on the Ottertail Natural Bridge road. About 2½ miles of grading was completed. This road will connect the abandoned railway grade at Ottertail, now used as a highway, with the Emerald Lake road at a point near the Natural Bridge. When completed it will be a drive full of unsurpassed scenery. The road will be the only loop drive in the park, and have a total length of from fourteen to fifteen miles.

Necessary repairs were made on all existing trails, and visitors report that they were never in such good condition.

FIRE PROTECTION.

There were no serious losses from forest fires. The portable pumping unit proved of great assistance in fire fighting. For better fire protection a telephone line has been constructed linking up the outlying districts with the central office.

ALPINE CLUB.

The twelfth annual meeting of the Alpine Club of Canada was held in Yoho park during the summer. The camp was pitched in the valley of Cataract creek, about three miles from Hector station, and all the arrangements were excellently carried out. The attendance was slightly better than last year and was considered very satisfactory in view of the times.

FISH.

A beginning was made this year towards stocking some of the lakes in the park with fish, and 30,000 cut-throat trout fry were obtained from the hatchery at Bauff of which 10,000 were placed in Wapta Lake, near Hector, and 20,000 in Emerald lake. In a few years time the park should have the best of fishing to offer.

APPENDIX No. 2a.

THE ALPINE CLUB OF CANADA.

CAMP IN CATARACT VALLEY. S. H. MITCHELL, SECRETARY.

The twelfth annual camp of the Alpine Club of Canada was held in the valley of of Cataract brook, about three miles south of Hector, from July 17 to 31. Though a camp had been held there as lately as July, 1913, the neighbourhood proved full of attraction. Ninety-one members in all were placed under canvas, a satisfactory attendance considering how heavily the war has drawn on the club.

Since the former camp the stream flowing from the glacier by the "Watch Tower" of Mount Victoria has washed down much rock and gravel and tents had to be pitched a little farther north. A subsidiary camp was placed in the open meadow near lake O'Hara where the club held its famous camp of 1909. Tents were also pitched in Paradise valley for the convenience of those who made the journey over the Abbot, Mitre, Wastach, Wenkchemna and Opabin passes.

For the greater part of the time the weather was perfect and the following mountains were climbed: Hungabee, Huber, Odaray, Cathedral, a peak of Victoria ridge, south of Popes peak, and Schaeffer. The Vanguard peak of mount Cathedral proved a most excellent rock climb, and lake McArthur and Oesa were visited by various parties, as well as Sherbrooke lake. Twenty-one members graduated to active membership on the various peaks.

Dr. Hickson travelled up the north fork of the Illicillewaet and conquered the hitherto unclimbed mount Moloch. Mount Sir Donald was climbed by the northwest arete and several other less important ascents made by members.

Mr. L. O. Armstrong, the veteran lecturer on the attractions of Canada, an original member of the club, was present in camp, gathering new material on every side. Unfortunately Mr. A. D. Kean, the well-known cowboy, now a moving picture expert, who collaborates with Mr. Armstrong, was detained in a lighthouse on the Pacific coast by stress of weather, and only arrived in camp as the weather was breaking. However, some photographs were obtained of mountaineering which will set an original seal on Mr. Armstrong's next set of lectures.

Miss A. Peck, well known in mountaineering circles, from her climb of mount Huascarán in South America, was also in camp, but unfortunately experienced the only spell of bad weather and was unable to climb.

From the annual meeting a resolution of sympathy and admiration was sent to the club members at the front, whose record of distinction is a remarkable one.

There were present members of the English, Swiss and American Alpine clubs, and of the Royal Geographical Society.

APPENDIX No. 3.

GLACIER PARK.

SUPERINTENDENT, E. N. RUSSELL.

In this park all the trails have been cleared out and repaired, and the bridges over the Beaver river and Grizzly creek renewed. A gang of men also cleared the large rock slides off the road to the Nakimu caves.

Upon the completion of the Canadian Pacific Railway tunnel the old roadbed through the park was taken over by the park authorities. It includes the famous "Loops in the Selkirks," and the road when completed will make a carriage drive of unequalled interest.

The townsites at both ends of the Connaught tunnel, now no longer occupied by the railway contractors, have been thoroughly cleaned up, as has also the old townsite of Rogers pass. All buildings have been pulled down with the exception of the round-house, whose concrete walls are still standing.

APPENDIX No. 4.

REVELSTOKE PARK.

ACTING SUPERINTENDENT, E. N. RUSSELL.

Owing to the war, little has been done in the way of development with the exception of work on the motor road. This road will give access to the summit from Revelstoke, and its total length when finished will be seventeen miles.

WORK OF THE YEAR.

In the spring the precaution of clearing out obstructed water channels and culverts prevented a number of washouts on the motor road.

General repairs were made on the portions already built, and the construction of the Bridge Creek bridge was continued. This is a solid structure, one hundred feet in length. From this point the road was cut out and graded, side ditches made, bridges and culverts constructed, etc., as far as station 645.

SPORTS.

During the year the Revelstoke Ski Club which held a certain area of land adjacent to the southern boundary of the park, have, by their own wish, had this area included within the park limits, and in the fall of the year the department undertook certain improvements to the jump which have made it one of the finest in the world. This club has done much to bring Revelstoke and the park into prominence as the home of winter sports.

TELEPHONES.

The telephone line was extended to the site of the road camp at Bridge creek and a connection made with the warden's cabin on the auto road. This telephone line proved invaluable in carrying on the work of road construction. It is hoped next year to extend it to the summit of the mountain, where it is suggested a cabin should be erected for the use of the warden in connection with his patrol work.

VISITORS.

Among the distinguished visitors to the park this year were His Excellency the Duke of Devonshire and party, who were driven up the auto road as the guests of the city of Revelstoke.

SESSIONAL PAPER No. 25

APPENDIX No. 5.

JASPER PARK.

SUPERINTENDENT, LT.-COL. S. M. ROGERS, JASPER, ALTA.

Owing to the restricted appropriation, little work was undertaken in Jasper park during the year, attention being chiefly concentrated on keeping the existing roads, trails and bridges in repair.

There are over 400 miles of trails in Jasper park which give access to practically all the important scenic points, and nearly 100 miles of roads.

The great need of keeping the trails open was emphasized by two forest fires during the summer in the northeast corner of the park. So far as could be ascertained, both fires were caused by lightning.

Several smaller fires along the railway emphasizes the desirability of having all engines passing through the mountains converted into oil burners.

FISHING.

The supply of game fish in the park appears to be increasing and young fry were also secured from the Department of Fisheries. Pyramid and Jack lakes are both excellent fishing grounds; in the former 10-pound trout were caught early in the season and later 8 and 6 pounders were common. Caledonia lake can almost always be depended on for a good catch of rainbow trout.

WILD LIFE.

The game is noticeably increasing and thanks to the efficiency of the wardens' service the coyote pest has been greatly reduced.

MOTOR HIGHWAY.

The abandonment of over 200 miles of railway opens the way for a possible motor highway through the park. An automobile road from Edmonton to Jasper has long been under discussion and would involve few difficulties in the way of construction. The road would bring the park within easy reach of thousands in the prairie provinces.

ACCOMMODATION.

At present Jasper park suffers, from the tourists' point of view, from the absence of a hotel. The Grand Trunk Pacific Railway Company, some years ago, had plans drawn up for a million dollar building but the outbreak of the war put an end to the project. To meet the needs of the travelling public the company has maintained for the past three years, a very comfortable "tented city" on the shores of lac Beauvert.

APPENDIX No. 6.**WATERTON LAKES PARK.**

SUPERINTENDENT, ROBT. COOPER, WATERTON PARK, ALBERTA.

Owing to the need for the strictest economy, little new work was undertaken. Special effort was made, however, to put the park roads into good condition. As a result of this and also of the publicity campaign conducted in Alberta during the spring, the tourist traffic to the park was much larger than in former years.

Further repair work was also done on the Oil City Boundary road—which was gone over last year as far as Oil City. This year the work was continued to the British Columbia boundary.

Where this road crosses the Blakiston brook, or Pass creek, a bridge is urgently needed. When built it will greatly increase the traffic along this thoroughfare. The road, which should be widened and straightened in many places, leads through some of the best scenery in this section. It is also the only road in the park which takes one back into the so-called hinterland, and its accessibility by automobile will no doubt be largely taken advantage of.

IMPROVEMENT WORK.

Two branch telephone lines were built during the season and two partly constructed, making a total length of about 24½ miles.

Fallen timber was cleared from the trails already in existence but no new trails were constructed.

A number of new buildings were erected including several summer cottages and two or three buildings for business purposes.

Practically all the lots in the townsite, of any value as building sites for cottages, were disposed of.

CAMPING GROUND.

A small appropriation was authorized during the year for the enlargement of the camping grounds, and good headway was made in clearing it.

As the hotel accommodation in this park is limited, the camping grounds are frequently overcrowded. Although there are many other places where one can pitch a tent the ideal camping ground is near the Cameron falls amongst the pine trees. This is close to the townsite and has everything essential to a perfect camping ground, water, trees, view, etc.

GAME PROTECTION.

The big game in the park is very plentiful and increasing each year. Considerable trouble was experienced with wolves and coyotes and a vigorous campaign is being conducted to rid the park of these predatory animals.

The lakes and rivers swarm with ducks, geese and other feathered game. The geese remain until very late in the season, and last fall they did not leave until nearly Christmas.

SESSIONAL PAPER No. 25

FIRE.

Owing to the efficiency of fire protection, no fires of any importance occurred during the year. This is all the more satisfactory in view of the large number of campers and wood haulers in the park at all times of the year.

GRAZING AND TIMBER.

The grazing privileges are in great demand at all times. There were approximately 3,300 head of stock grazed in the park under permit.

The demand for dry wood permits is still great, showing that this opportunity of securing fuel at a merely nominal price is much appreciated; 65 dry wood permits were issued to the settlers in the surrounding country.

VISITORS.

There were approximately 8,500 visitors to the park during the season, an increase over last year of more than 100 per cent.

Among these were Messrs. G. S. Yard and V. Baillie of the Parks Department, Department of the Interior, Washington, D.C., who had in view the development of a road to Agassiz and Kintla glaciers, in United States Glacier park. The only feasible route to these glaciers is through Waterton Lakes park.

APPENDIX No. 7.

BUFFALO PARK.

SUPERINTENDENT, A. G. SMITH, WAINWRIGHT, ALBERTA.

In addition to caring for the buffalo, Buffalo park also carries on a farm which produces the winter feed of the buffalo and sufficient oats to supply not only the requirements of the park but several of the other parks as well.

FARMING OPERATIONS.

Some 400 acres were seeded to oats, part of which had been summer-fallowed. The dry season however proved too much for the light land, and the result was the yield was not quite twenty bushels per acre. In addition to producing the oats required for the park until the next crop and the seed for next year, it was possible to ship over 2,100 bushels to the other Dominion parks.

At the farm about 200 acres of the land under cultivation were summer-fallowed, this being the usual amount of land so treated each year.

The small acreage usually under crop at the Home Paddock was also put in summer-fallow, as two crops had been taken off and it was not thought advisable to do more with such light land.

HAYING.

While the dry season was unfavourable for growing oats, it helped in the haying operations.

Some 1,200 tons of hay were cut and stacked, all of which was hauled during the winter, and most of it stacked in the hay corral adjoining the feed grounds in the winter quarters, to be carried over summer.

In addition to the hay cut for the use of the park, the department has endeavoured to help production by granting hay permits to settlers living in the vicinity. Hay permits covering the cutting of 671 tons on the Buffalo park reserve were granted to settlers during the year.

FIRE-GUARDING.

All the fire-guards around and across the park were ploughed.

There were two small fires in the park, caused by lightning. There were also a number of fires close to the park boundary, some started by the sparks of a railway engine and others by settlers clearing land; in every instance men were sent to help put them out.

To enable the riders to see the fence and also for fire protection purposes, considerable brush was cut out between the fire-guards along the main fence.

Fifteen miles of new fence were erected around the cattalo enclosure and about twenty-one miles of the main fence were repaired before the frost came.

TIMBER PERMITS.

About 1,000 cords of dry wood were taken out of the park, under permit, by nearby settlers.

Some cleaning up was done on the lots recently surveyed on the shores of Mott lake. This expenditure was very necessary before any use could be made of this beautiful resort.

WILD ANIMALS.

During the year there was an increase of 537 buffalo, and only 14 of a decrease; of this number 9 died, 4 were shot on account of being crippled, and 1 shipped to Brandon.

The elk show an increase of 14 and there has been no decrease.

The deer and moose also show an increase.

The following is the number of animals now in this park:—

Buffalo..	2,920	Moose..	18
Elk..	84	Antelope..	3
Deer (estimated)..	397	Cattalo..	19

As there was plenty of feed in the large park, the greater part of the buffalo herd was left out to rustle during the winter months and they have come through the winter apparently in as good condition as when fed in winter quarters. Whenever possible, during the fall and winter, the cows with calves by their side and yearlings were cut out of the main herd and placed in winter quarters where they have been fed daily.

COYOTES.

During the year a special effort was made to lessen the number of coyotes in the park which had become a serious nuisance. As other methods had met with indifferent success, it was decided to try the experiment of hunting them with dogs. Some Great Danes owned in the neighbourhood were secured and during the winter a steady hunt was kept up. The results were so satisfactory that the same method will probably be followed next year and it is hoped that eventually we shall be able to rid the park almost entirely of these pests.

VISITORS.

This has been a record year for visitors, due no doubt to motor cars being allowed to enter the park. At the home paddock entrance the records show 4,238 visitors. These were from every province in Canada, from Newfoundland and from 19 of the different states of the American Union. The records kept at the farm and at the Hardisty gate also show a great increase in visitors. The total for the year was nearly 5,000.

APPENDIX No. 8.

ELK ISLAND PARK.

SUPERINTENDENT, ARCHIBALD COXFORD.

The road to the main entrance was repaired this season and some minor repairs were made to the main fence.

The fire-guards were disked in October putting them in good condition for the fall and spring.

A supply of hay sufficient for winter feeding was obtained, chiefly from the vicinity of Goose Lake.

ANIMALS.

The animals are in good condition and wintered well. There was an increase of twenty-seven buffalo during the year and no losses. The elk and moose are also doing well. The total estimate of animals in the park at present is as follows:—

Buffalo..	161	Elk (estimated)	106
Moose	52	Deer	115

During the nine months of the year there were 1,710 visitors.

APPENDIX No. 9.

ST. LAWRENCE ISLAND PARKS.

These parks consist for the most part of islands which were purchased from the Department of Indian Affairs a number of years ago.

They are situated in the St. Lawrence river between Brockville and a few miles west of Gananoque and form a part of the beautiful Thousand Islands district.

Only such work as was necessary to preserve the present equipment and to make the parks available for the public was carried on during the year.

Negotiations are under way to secure Doran's island which is situated just opposite the town of Morrisburg. It is a beautiful island and contains approximately 20 acres.

APPENDIX No. 10.

FORT ANNE PARK.

A. L. FORTIER, *Honorary Superintendent.*

This park comprises the site of the old Fort Anne at Annapolis Royal, Nova Scotia. It is one of the historic parks and was created to preserve the original fort which played such an important part in the early history of Canada.

The work in this park comprised chiefly such improvements as were necessary to preserve the old fort buildings and equipment. An old cottage on the fort property at the park entrance was removed.

A new sundial was donated by Colonel Shannon in memory of his ancestor, George Vaughan, who was at the siege and taking of the old fort in 1710.

A start has been made in a collection for a park library and museum and temporary quarters have been provided for them.

There is a caretaker to look after the grounds and building and show visitors around the fort.

PART III.

FORESTRY

REPORT OF THE DIRECTOR OF FORESTRY.

R. H. CAMPBELL.

This report covers the work of the Forestry Branch for the year 1917-18.

During the past year the controllable work of the branch has been kept within as small proportions as possible, consistent with reasonable protection for the forests under its charge. The season was a dangerous one in many parts, through part or the whole of the season, and taxed the vigilance of the staff. On the whole the results seem to show that where the staff is sufficiently organized and equipped the situation in regard to the control of fire has shown marked improvement.

That the expenditure on forestry work in Canada is being kept at a modest figure is shown by a comparison with other countries. The average expenditure on the forest reserves under Dominion jurisdiction in Canada is one and three-quarters cents per acre; while in the United States it is three cents; in India, nine cents; in Sweden, fourteen and a half cents; and in France, one dollar and four cents.

The authority for the control of fires has been very much improved by the amendments to the Forest Fire Acts of the provinces of Manitoba and Saskatchewan, passed last year, providing that during the danger season, from April 1 to November 15, no fires shall be set out for the clearing of lands without a permit from a fire ranger. A cordial co-operation between the Dominion and provincial authorities in a proper and wise enforcement of these acts should greatly decrease the fire losses. The benefit of the permit system has already been found and should increase as it becomes longer established and better known. It is understood that the province of Alberta is considering similar legislation at the present time, and if such legislation is adopted it will bring all the lands under federal administration under the same system in this respect, as the province of British Columbia has had this provision in its Fire Act for some years.

The situation in the British Isles created by the war has drawn special attention to the necessity for wood supplies both for the present war and to assure the position of the country in the future, whether in war or peace, and a sub-committee, on forestry of the Imperial Reconstruction Committee was appointed to consider and report upon the question. This sub-committee has recently presented its report and in it gives consideration to the sources of timber supply, particularly those within the Empire, and urges the imperial importance of the forests of Canada as the main source of supply of coniferous timber within the Empire and the necessity for taking adequate steps for their protection and development. The findings of this report in its relation to Canada are of so much importance and come with such authority that it seems only right to call attention to them in this report in the exact words:—

“There remains a further question. The United Kingdom derives more than half its imported timber from virgin forests in foreign countries which are steadily being depleted. Canada contains the only large reserves within the Empire. Unless arrangements can be made with the Dominion Government for the effectual conservation of these reserves, it is inevitable that provision should be made within the British Isles on a far larger scale than is here proposed for purposes of defence. We consider that this question should be taken up at once with the Dominion Government.

"The United Kingdom is dependent for more than 60 per cent of its timber on the virgin forests of foreign countries, which are being steadily depleted. The proportion derived from sources within the Empire fell from 22 per cent in 1899 to 10 per cent in 1913. Every year we become more dependent on Russia, which, in 1913, supplied us with nearly half our total imports. We have no means of reckoning how long the virgin forests will last, but unless they are brought under systematic management their exhaustion can only be a question of time. The arguments advanced on this subject by competent students have been supported since 1895 by a steady rise in price. The only large reserves within the British Empire are those in Canada which are rapidly being depleted by fire. The Dominion Government has initiated measures for their protection, but the problem is both large and difficult. It is one in which the United Kingdom has a deep interest since the Canadian reserves are the only source on which the United Kingdom can fall back if supplies from Russia fail. The arrangement prevailing before the war under which the exports from the Canadian forests were absorbed by the United States, while the United Kingdom drew its supplies from Russia, no doubt found much justification in economy of transport, but, unless the Canadian forests can be adequately protected and made available in case of necessity for the United Kingdom, it is certain that the area of timber within the British Isles must be increased far beyond that recommended in the proposals made in the following pages. We commend this Imperial question to the attention of the conference meeting in London. It is urgent because preparations made now cannot mature for many years and unless provision is made now either in Canada, Russia or the British Isles, it is practically certain that the United Kingdom will find timber difficult to procure in sufficient quantities before such preparations can mature."

In view of this report and recommendation it may be stated that as far as Canada is concerned, viewing the matter from the forest side first, what should be accomplished may be summarized under the headings:—

- (1) Protection, especially from fire;
- (2) Management on proper silvicultural principles;
- (3) Replanting;
- (4) Forest study and experiment.

Protection has been undertaken in some form by all responsible government agencies in Canada. On none of the territories, however, federal or provincial, are the organization and equipment adequate and efficient for the extent of the work required, partly on account of lack of funds, partly on account of lack of interest resulting from an inadequate understanding of the value of the forests and the danger of the present situation. Considerable has been accomplished but better organization and more adequate provision therefor are required.

The methods of timber operation followed in Canada result in a steady deterioration of the forest stand and condition instead of an improvement in condition and increase in quantity which would result from proper management. Little has been done to improve this condition. Probably more has been done by the federal forest service than by the provincial services, but only on a small proportion of the timber areas operated. Replanting of forest areas is being carried out on a small scale by the Dominion and also by the provinces of Quebec and Ontario, but not to such an extent as will have an appreciable effect on the timber supply.

Forest study and experiment have been only of a desultory character, and incidental to administrative work. At the forest nursery stations of the federal Government and of the provinces of Quebec and Ontario experimental plantations are being studied. The Council for Scientific and Industrial Research of the Dominion Govern-

SESSIONAL PAPER No. 25

ment is providing for the establishment of a forest experiment station in Ontario, plans for which are now being made. An advisory committee has been organized by the federal forest service of foresters in the Government services, federal and provincial, in the forest schools, and in the employ of private firms, to consider and suggest plans for forest investigations in Canada, but effective action by this committee awaits the development of the necessary research staff in the federal forest service to give effect to the committee's recommendations.

Viewing the matter from the political side it should be kept clearly in mind that the jurisdiction over the forests of Canada is divided among the various provinces and the federal authorities, and by far the most valuable forests both in extent and quality and as a source of material for export are under the control of the provincial authorities. Concerted action should, however, be possible without interfering with the jurisdiction of the individual governing authorities, and it would be desirable to have formal action taken to bring this about. A formal recognition by the provincial authorities of the advisory committee organized in connection with the Forestry Branch of the Department of the Interior, and the further development of its functions as might be approved, might be a first constructive step in this direction. It might be possible and advisable for such a committee to co-operate or consult with the Imperial Forestry Committee if its functions are continued.

The Federal Government of the United States has developed two methods of co-operation with the state authorities by which the Federal Government assists the states, as follows:—

Under what is commonly known as the Weeks Law, passed in 1909, \$200,000 is appropriated from the National Treasury from which payment may be made to aid in forest protection on the watersheds of navigable streams in any state on lines satisfactory to the federal authorities.

The same Act provided for an appropriation of \$1,000,000, and for each fiscal year thereafter a sum not exceeding \$2,000,000, for use in the examination, survey, and acquirement of lands located on the headwaters of navigable streams. This was intended to apply to lands in states where the state was not financially able to undertake the work. With the consent of the states interested considerable areas on the Appalachian mountains have been acquired under this Act and it is frequently referred to as the Appalachian Law.

The necessity for research work in forestry is being felt more and more, both from the point of view of production and utilization. There is an intimate relation between the two as the possibility of profitable utilization of the products of the forest has a direct bearing on the methods it is possible to adopt to promote better production. Problems of utilization are being worked out by the Forest Products Laboratories, though much more extensive facilities than have yet been furnished for such inquiries are required. With the control of the fire danger becoming effective to a large degree on the more intensively administered forest reserves it is possible to make advances in forest development and management, and special investigations through a series of years are required to determine how far the theoretical principles worked out in other countries can be applied to Canadian conditions if we are to be certain that the plans that are followed are the proper ones and will bring the desired results.

The forest nursery station at Indian Head has been used as an experiment station in planting, various mixtures being used in the sample plantations. Careful measurements and records of the results have been kept and much valuable information has been gathered which will be of great value in developing the replanting work now being done on the forest reserves. In addition to experimentation with Canadian species a number of introduced species from temperate or northern climates have been used, such as Scotch pine (*Pinus silvestris*), cembra pine (*Pinus cembra*), larch (*Larix europea*), and spruce (*Picea excelsa*), from Europe, and Himalaya pine

9 GEORGE V, A, 1919

(*Pinus eccelsa*), Japanese larch (*Larix leptolepis*), and spruce (*Picea ajanensis*) from Asia. Of these species Scotch pine has shown the greatest adaptability to Canadian conditions and has made satisfactory development in every respect.

The Honorary Council for Scientific and Industrial Research, in laying out the programme of research work that required development in Canada, included forest research as one demanding immediate attention and recommended an appropriation of \$6,000 for making a beginning in such work, and the amount necessary was provided. The council asked this Branch to undertake the work that was to be done, and on consultation with the council it was decided that the establishment of a forest experiment station was advisable and that the tract in the vicinity of Petawawa, placed at the disposal of the Department of the Interior for the purpose by the Department of Militia and Defence should be devoted to this purpose, and that the forest survey to obtain the necessary information in regard to the nature and condition of the tract should be begun and the expenditure provided from the special appropriation. The location of this tract is in the pine district of Ontario and a large portion of the tract was at one time included in timber berths and cut over for pine, so that it gives a good location for the study of the development of this important Canadian species.

The planting of the forest lands has been continued this year on a small scale, plantations aggregating 102 acres having been made on the forest reserves in the prairie districts in Manitoba and Saskatchewan.

The placing of appointments in the outside service of the department under the Civil Service Commission has improved very much the possibility of obtaining properly qualified men for the positions required to be filled, and should in time improve materially the calibre of the force. There is, however, a lack of opportunity for men to obtain proper training for the work of forest ranger previous to appointment, as the forest schools so far established in Canada provide only for the higher technical training. As it is considered desirable that returned soldiers should be given the first opportunity for obtaining employment in the forest service and gaining the necessary qualifications for appointment, arrangements have been made by the Military Hospitals Commission for a forest ranger course for returned soldiers to be given at Vancouver, in which co-operation is being given by the staff of this branch as well as the forest service of the province of British Columbia. The main divisions embraced in the course are (1) elementary surveying, (2) forest management, and (3) forest protection, and these will be covered by lectures and field demonstrations. The instruction will be given by foresters, including two of the inspectors of this branch.

The shortage of coal during the past winter called special attention to the necessity of utilizing as far as possible other sources of fuel supply, including wood. Large quantities of wood are used each year for fuel in Canada. The forest reserve regulations have provided for simple methods of obtaining fuel-wood from the forests, and large quantities have been taken out every year and the quantity markedly increased during the last winter. The regulations were framed, largely, keeping the requirements of the individual settler in view, but with the more active demand for fuel-wood, coupled with the fact that there are on many of the forest reserves extensive burned areas which are not readily accessible, amendments have been made to the forest regulations that will facilitate the taking out of wood from such areas for use in the cities and towns. It was arranged also to co-operate with the provincial authorities in any organization they might form for assisting in the distribution of fuel throughout the western provinces.

In furtherance of the programme of forest development in the British Isles a request was made by the home grown timber committee for seed of a number of species of Canadian trees, mainly species native to the Pacific coast in the province of British Columbia, to be used for reforestation. Considerable time was given during last summer and fall to obtaining the seed required and seed of most of the species needed was secured. Unfortunately, owing to insects attacking the cones no supply of reliable

SESSIONAL PAPER No. 25

seed of the two species specially desired, Douglas fir and Sitka spruce, could be obtained.

Another interesting request was received from the Government of New South Wales, which asked the Canadian Government to undertake an investigation of the suitability of certain woods from that state for the making of pulp and paper. This department expressed its willingness to undertake the carrying out of the necessary investigations at the Forest Products Laboratories of this branch, and the Government of New South Wales were advised of the quantity and type of material that would be required for the purpose.

THE WHITE PINE BLISTER RUST.

A great deal of anxiety has been caused by the discovery of the white pine blister rust in Canada, a fungous disease which seriously threatened the growing of white pine in this country. The disease is of the same family as the rust on wheat, and similar in many respects, particularly in having two host plants. In this case currant bushes, particularly black currants, are the hosts in the first stage of the development of the fungus and the white pine in another stage. The effects of the disease are to destroy the young pine. The disease was first observed in Canada in the year 1914 and steps have since been taken to ascertain more in regard to its life history and its spread in Canada. As a result of these investigations undertaken by the Bureau of Pathology of the Department of Agriculture and also by the provinces of Ontario and Quebec, it was found that the disease was widely spread in southern Ontario and had appeared at some points in Quebec.

An international forest conference was called in Washington early in 1917 to consider particularly the danger to the white pine of the United States and Canada on account of the introduction of this rust, and at the close of that season another conference was held in Pittsburg. The conclusions at this conference were that the disease had evidently been present in the United States for some years without having been noticed, that its spread was probably comparatively slow, and that it was found only in the eastern part of the United States and had not yet spread to any of the western white pines. Proposals were made to control the distribution of currant and white pine stock so as to localize the disease, particularly to prevent the distribution of such nursery stock in the western part of the country, where the disease had not yet appeared; to continue the study of the disease; to undertake eradication work only in places where the infected tracts were isolated and there was prospect of reasonable success. It was felt that the complete eradication of the disease was now an impossibility.

In consequence of this situation the matter was considered by representatives of the Canadian Department of Agriculture and Department of the Interior, the Commission of Conservation, the provincial governments, and the Canadian Lumbermen's Association, and it was decided to recommend to the Dominion Government that a committee representing the various interests involved should be appointed to investigate the whole question and that a special appropriation of \$25,000 should be provided to deal with the matter. This committee representing the Dominion Government, the provincial governments interested, the Canadian Lumbermen's Association, and the Canadian Nurserymen's Association, met and considered the whole question and it was decided to make the following recommendations in regard to the action to be taken:—

British Columbia.—The shipping of white pine, currants, and gooseberries into this province to be prohibited.

Manitoba, Saskatchewan, and Alberta.—No prohibition at present but the matter to be reconsidered next fall.

Ontario.—Shipment of white pine and black currants to be prohibited north of the line of the Parry Sound branch of the Grand Trunk railway, formerly the Canada Atlantic railway.

Quebec.—The shipment of white pine and black currants to be prohibited north of the St. Lawrence river and west of Quebec City except on the island of Montreal.
New Brunswick and Nova Scotia.—No prohibition.

It was decided that the investigation of the history of the disease, which was carried on by the Bureau of Plant Pathology, should be continued, and that sample areas should be selected in the provinces of Ontario and Quebec, at several different places, so that the action of the disease could be further studied. Two plots were to be established in the western part of Ontario, two in the Ottawa valley, and two in the province of Quebec.

It was also decided that it would be desirable that inspection for the discovery of any cases of the disease should be begun in the provinces of British Columbia, Alberta, Saskatchewan and Manitoba, particularly at points where it was known that shipments of currants were sent out last year or the present year; that inspection should be carried on in the northern part of Ontario, in the part of Quebec north of the St. Lawrence and along the international boundary, and in the province of New Brunswick.

The work will be carried on under the direction of the Bureau of Plant Pathology of the Department of Agriculture under the general supervision of the committee.

STAFF

The total permanent staff of the branch for last year was as follows:—

Head office.	36
District inspectors.	5
Assistant inspectors and forest supervisors.	17
Forest assistants.	6
Forest rangers.	89
Chief fire rangers.	9
Inspectors of tree planting.	9
Forest Products Laboratories, technical.	15
Outside clerical staff.	34
On military leave.	43
Total.	<u>263</u>

The total number of men who have enlisted is 72.

Word has just been received that Lieut. D. A. MacDonald, of the Royal Flying Corps, who was for a time reported "missing," has been taken prisoner and is in Germany. Mr. MacDonald was forest assistant on the Bow River division of the Rocky Mountains forest reserve.

APPROPRIATION

The appropriation for the year was \$650,000. The expenditure was divided as follows:—

Salaries at head office.	\$ 12,671 01
Salaries of officials on military leave.	15,835 44
Travelling expenses.	1,485 90
Printing and stationery.	11,268 08
Miscellaneous expenses, head office.	726 62
Statistics.	2,020 75
Fire-ranging.	190,469 15
Forest reserves.	304,168 55
Tree planting.	57,100 69
Forest Products, Laboratories.	56,548 21
War appropriation.	9,755 82
Total.	<u>\$662,050 22</u>

NOTE.—The item of \$9,755.82 shown under "War Appropriation" was drawn from the Forestry appropriation and later refunded, and the remainder of the over-expenditure was covered by refunds by holders of timber licenses of amounts expended on protection of their limits.

SESSIONAL PAPER No. 25

The field expenditure, exclusive of tree planting on the prairie farms, is divided as follows among the provinces:—

Manitoba	\$ 85,445 93
Saskatchewan	137,457 54
Alberta	177,548 50
British Columbia (Railway Belt)	94,185 73
Total	<hr/> \$494,637 70 <hr/>

LIBRARY

The awakening recognition of the importance of research work in all lines of activity has given additional importance to the library of the branch. Room for research work in forestry is very large and the work of research naturally begins in the library by way of investigation of work already accomplished along the projected lines. Hence the necessity of having on hand the records of all work accomplished throughout the world up to the latest possible time.

During the year about four hundred books and pamphlets were added to the library and, as usual, were carefully indexed as were also the extracts from the technical publications received. The number of new photographs added to the collection of forestry pictures was considerably smaller than in past years, owing to the fact that forest survey work was so greatly reduced. Sets of lantern slides for the various district inspectors' offices were completed and a lecture was also prepared to accompany them. Each of the district offices now has a set of slides which it is hoped may be of considerable assistance in extending information on forestry and the aims and methods of forest administration.

PUBLICATIONS

The endeavour in preparing the publications of the branch has been to secure the greatest amount of efficient publicity at the lowest cost. To this end all publications are carefully edited to see that all material admitted is the most suitable for the purpose. The steady demand for these bulletins proves that Canadian producers, exporters, and transportation companies find them of value in their work. A good deal of attention has been devoted to supplying information to Canadian newspapers, which are always alert in giving warning against forest fires and in assisting in the protection of the great natural resource represented by our forest. The experiments made in new forms of posters, warning all woodsmen against the careless use of fire, have resulted in bringing out some very effective posters which are weatherproof and portable. The search for the ideal poster is being continued. During the year the following publications in pamphlet form were issued:—

- Bulletin No. 58. Forest Products of Canada, 1915 (French edition).
 - “ 60. Canadian Douglas Fir: Its Mechanical and Physical Properties.
 - “ 61. Native Trees of Canada.
 - “ 62a. Forest Products of Canada, 1916: Lumber, Lath and Shingles.
 - “ 62b. Forest Products of Canada, 1916: Pulpwood.
 - “ 62c. Forest Products of Canada, 1916: Poles and Cross-ties.
 - “ 62d. Forest Products of Canada, 1916: Directory of Saw-mills.
 - “ 62. Forest Products of Canada, 1916. (Being a combination of Bulletins 62a, 62b, 62c and 62d.)
- Pamphlet, “Advice to Settlers Regarding Handling of Fire.”

STATISTICS

As the Bureau of Statistics of the Department of Trade and Commerce is taking a census of industries for the year 1917, which will include the figures of production, this branch has not undertaken the usual collection of the statistics of forest products except as regards poles and cross-ties which it was thought we could better handle for

9 GEORGE V, A. 1919

the year. No statistics of production for 1917 will therefore be issued by this branch and for subsequent years the collection and publication of the figures will probably be made by the Bureau of Statistics. This branch will however co-operate in the preparation of the forms and reports and in any other way possible and will carry out any special statistical studies that may be found necessary.

TREE PLANTING

The planting of trees on the farms in the prairie districts has become so thoroughly established and the results are so generally successful that there is little that it is necessary to remark specially. There have been, since the inauguration of the tree distribution, 45,357,146 trees distributed for planting on the farms, but that there is still a great field of development to be covered is indicated by the recent criticism of an eastern journalist, travelling by rail through the western prairies, that he could not see much evidence of where these trees were planted. All of these trees were planted on farms and 85 per cent or more of them are growing successfully, but there is room and necessity for as large a distribution for many years yet.

The number of trees distributed to farmers in 1917 was 8,400,000, the largest in the history of this work, and these were distributed to 4,561 applicants. Owing to poor seed conditions in 1916 and an unfavourable year in 1917 the supply available for distribution in 1918 is considerably smaller. The number of coniferous trees sent to farmers in 1917 was 158,616. The dry season was not favourable to the evergreens and they suffered considerably.

A supply of coniferous trees for planting on the forest reserves was also grown at Indian Head, and plantations were made on several small reserves in the prairie districts.

FIRES.

The season of 1917 was very dry in the southern part of the Prairie Provinces, especially in the spring and early summer, but in the northern portion the conditions of moisture were generally better, though similar conditions to those in the south seemed to prevail westward. In the Rocky mountains the spring was wet but was followed by a dry and dangerous time in July. In British Columbia there was considerable variation in the spring but the summer and fall were very dry and there were many fires, especially in the southern part of the province. On the whole the season was one that required great alertness, and that the fires were generally so well held gives some confidence that the protective organization is becoming increasingly effective and may soon be in a position to deal efficiently with any situation that may arise.

There have been serious losses during the season, however, especially of young trees. In one case some 14,000 acres, with considerable young growth scattered over it, was burned, as a result, solely, of the incompetence of the forest ranger, whose services have fortunately since been dispensed with. This illustrates how easily the work of a good protective organization may be nullified by the unsuitability of one man. In every other district in the reserve referred to the fires were prevented from entering, or were extinguished immediately. In another case some 20 acres on a forest reserve were planted with young trees and 2,000 acres of young growth were burned over, making a net loss in the young stand, for the year, of 1,980 acres. These fires could not be attributed to lack of watchfulness on the part of the rangers, but are indicative of a lack of proper public opinion and care, for which to some extent the rangers must be held responsible although the process of education of the public is a slow and difficult one and the view that the only permanent wealth of the country is agricultural is hard to eradicate.

SESSIONAL PAPER No. 25

The total number of fires during the year was 1,085, as compared with 891 in 1916 and 1,706 in 1915. The number of these fires that burned over an area of ten acres or more, was 348, as compared with 146 in 1916, and 482 in 1915. The total area burned over was 616,682 acres, classified in part as 106,849 acres of merchantable timber, and 116,107 acres of young growth. The quantity burned was 34,373,000 feet board measure and 965,869 cords. The average area of the fires over ten acres was 1,770 acres.

The causes of fires are indicated in the table hereunder. The number of fires is shown for 1917 only, but the percentage due to each cause is shown for the last three years for the purpose of comparison.

	No. of Fires.	Percentages.		
		1917.	1916.	1915.
Unknown..	348	32	30	30
Campers and travellers..	199	18	20	33
Settlers..	242	22	18	15
Railways..	183	17	20	13
Lightning..	40	4	7	4
Lumbering..	28	3	3	2
Incendiary..	25	2	1	1
Brush disposal (other than by settlers) ..	12	1	..	..
Other causes..	8	1	1	2
Totals..	1,085	100	100	100

FIRES AND RAILWAYS.

The inspection of the patrols along the lines of railway was carried out by one permanent inspector and eight temporary inspectors. The patrols on the railways under the jurisdiction of the Dominion Board of Railway Commissioners were furnished by the railway companies, but on the railways owned by the Dominion Government the patrol was provided by this branch, there being eight patrolmen employed. On the whole the companies looked well after the clearing of the right of way, especially in view of labour conditions, and the patrols were well maintained. Some defects in these respects were called to the attention of the companies. The locomotives were inspected regularly and were generally found in good condition. Out of 281 inspections 29 locomotives were found defective. The number of fires on Dominion lands, attributable to railways, was 183, or 17 per cent of the total number.

It would be of considerable advantage if the railways through Dominion lands, which are constructed under provincial charters, were brought under regulations similar to those established by the Dominion Board of Railway Commissioners.

FOREST RESERVES.

The forest reserves include an area of 23,024,640 acres, and the permanent staff employed thereon is: District inspectors, 4; supervisors, 13; forest assistants, 5; forest rangers, 98; total, 120. The staff is smaller than is necessary for proper management, but under present conditions any increase in numbers can hardly be made. In fact it has somewhat decreased owing to the withdrawal of men required for the army, and resignations resulting from the offer of more remunerative positions in provincial forest services. The temporary staff of rangers on the reserves numbered 67.

Improvements.—The improvement work on the forest reserves was kept down to as low a point as possible, consistent with the need for protection and the proper utilization of the services of the staff during the periods when active patrol and fire-fighting were not required. The system of improvements has been planned carefully so as to be economically constructed and permanent. There yet remains a very large

9 GEORGE V, A. 1919

programme of improvements to be carried out in order to give proper protection to the forests in the reserves. Following is a statement of the improvements completed during the year, with the total and average cost, including the cost of labour by forest rangers:—

Class of improvements—	Total.	Average.
Cabins Number.	13	\$ 237
Houses "	6	1,337
Stables "	9	215
Lookout towers "	3	152
Other buildings "	26	217
Bridges "	2	1,340
Telephone lines Miles.	248	114
Fireguards ploughed "	104	7
" cleared "	21	31
Roads "	36	125
Trails "	151	79
Miscellaneous projects, such as fences, etc.		3,809
Total		\$69,217

Timber operations.—There has been a considerable increase in the timber operations on the forest reserves, partly due to the increased demand for lumber by the farmers and partly to the requirements for fuel which were not met by the coal supplies available. The regulations in regard to dead timber, of which unfortunately there are large areas on the reserves as a result of fires, were amended in view of these conditions so as to greatly facilitate the removal of such material. The number of permits issued was 3,613 and the quantity cut thereunder was 6,862,983 feet board measure, 38,669 cords, and 763,016 lineal feet. The number of free permits was 1,851. There were sixteen millsite locations for cutting under settlers' permits occupied on the reserves in the prairie districts. These have been a great convenience to the settlers, who could thus get their logs sawn conveniently in the forest and needed to haul out only the lumber. While the quantities cut under permit have largely increased the quantities reported under seizures are steadily decreasing, apparently indicating that the observance and enforcement of the regulations are steadily improving.

Operations were carried on during the past year on eighteen sales, four of which were made during the year. The cut of saw-timber on such sales was 4,149,125 feet board measure and that of mine props and lagging 1,720,107 lineal feet.

The operations are being conducted with much more care than in the past. The disposal of debris is more thorough and the protection of seed trees and young growth more carefully carried out. The prospects in this respect are very hopeful. Unfortunately, the good results obtained are nullified to a large extent by the slash left on neighbouring operations that are not properly supervised. This was specially demonstrated in the large fire that occurred in the Crowsnest valley.

Fires.—There were 159 fires on the forest reserves, as compared with 43 fires in 1916, and 205 fires in 1915. Eighty-three of these fires, 52 per cent, burned over more than ten acres each. The total area burned was 196,519 acres, of which 23,043 acres were covered with merchantable timber and 44,139 acres with young growth.

SESSIONAL PAPER No. 25

A statement of the causes of fires on forest reserves in 1917 and a comparison by percentage with the three previous years is attached:—

Causes.	No. of Fires.	Percentage.		
		1917.	1916.	1915.
Unknown.....	50	31	35	34
Campers.....	33	21	17	22
Settlers.....	29	18	14	24
Railways.....	22	14	17	9
Lightning.....	8	5	4	2
Lumbering.....	5	3	9	
Incendiary.....	6	4	2	6
Brush disposal (other than by settlers).....	1	1		2
Other causes.....	5	3	2	1
Total.....	159	100	100	100

Forest Nurseries.—Small nurseries for the supply of trees for reforestation have been started on several of the reserves in the prairie districts. These reserves are the Pines and Moose Mountain in Saskatchewan, the Spruce Woods in Manitoba, and the Cypress Hills in Alberta. These nurseries are not intended to supply more than the local necessities and at present consist of only a few beds of seedlings which can be looked after without a special organization for the purpose. A large part of the stock for replanting has been furnished from the forest nursery station at Indian Head. It will probably be necessary, as soon as it can be undertaken, to provide for an extension of the nurseries on the forest reserves, if the restocking of them is to be accomplished.

The plantations set out during the year aggregated about 100 acres, the trees being placed generally about four feet apart each way. The species used were spruce, jack pine, and Scotch pine. The season was dry and windy and therefore unfavourable to success, and there was a considerable loss of stock in the plantations. Arrangements have been made for stock to fill up the places where the seedlings died.

Grazing.—The number of permits for grazing stock during the year was 516, and the total number of stock grazed was 27,891, of which 18,774 were cattle, 2,498 horses, and 6,600 sheep. The number of stock grazing on the reserves is considerably larger than the figures show, as there are large numbers grazing on the forest reserves in British Columbia on which the grazing regulations are not put into force and in regard to the stock on which there is, therefore, no record. The number reported shows a considerable increase over the previous year.

The grazing on the small reserves scattered throughout the prairie country has been a great advantage to the farmers living in the vicinity and has assisted materially in the development of the stock industry in the districts in which they are located. Considerable further development may yet be made.

During the year 6,600 sheep were grazed on the forest reserves, mainly in the Livingstone valley in southern Alberta. The conditions for sheep grazing in this valley are very satisfactory and the stock were taken off the range in good condition. The chief difficulty in the development of sheep grazing is the lack of facilities for getting the sheep from their winter grazing grounds to the range in the mountains. Driving or rail haul for long distances is necessary and adds to the cost, while it may affect more or less the condition of the stock.

The extent to which the grazing on the reserves is being used and the increasing demands for it make necessary at the earliest possible time a careful study of the range and its possibilities of development, but that cannot be undertaken under present staff conditions.

Fish.—The fishing resources of the forest reserves are contained for the most part in relatively small bodies of water which will not admit of net fishing to any considerable extent. The exception to this is found in the northern reserves, some of which contain fairly large lakes, in which net fishing has been carried on for years past. Provision has been made for a continuance of net fishing in these more remote northern reserves, but it has been considered that in the small reserves lying closer to settlement a policy which provided for angling and trolling alone would be the only policy that would insure a continuous and increasing supply of good food and provide good recreation. During the year demands were made in some of the newspapers that netting be allowed in these small reserves so as to relieve the local food situation, and in one case a request was made that the fishing season be extended. Careful enquiry was made in these cases and it was found that in no instance could the demands be acceded to without impairing the future productivity of these waters. Further, it was found that in no case was the food situation so serious as to warrant the adoption of the rather drastic measures proposed.

The forest rangers have been active in their efforts to prevent illegal fishing, and all prohibited fishing appliances have been confiscated wherever discovered.

While fishing without a permit by resident British subjects is allowed in those waters which are not frequented by trout, grayling or Rocky Mountain whitefish, permits are required to fish in trout waters and a large number of such permits have been issued during the year.

The policy of regulated fishing is already having noticeable results in some of the forest reserves in the increasing number of fish taken, and it may reasonably be expected that a continuation of this policy will improve the fishing on all of the reserves.

Game.—Reference has been made in previous reports to the Stony Indians, a number of whom have located on the Kootenay plains on the North Saskatchewan river, in the Clearwater division of the Rocky Mountains forest reserve. The location is not suitable for agriculture and would not yield the Indians a living without recourse to hunting. As these Indians are persistent and skilful hunters their activities have resulted in a serious decrease in the game of that region, and complete extermination of the game is inevitable unless these Indians return to their reserve. It is satisfactory to note that at the last session of Parliament an appropriation was made to cover the cost of the removal of these Indians, and an effort will shortly be made by this department and the Department of Indian Affairs to have them transferred to the Stony Indian reserve.

The half-breeds at Grande Cache, in the Athabaska division of the Rocky Mountains forest reserve, have also proven themselves the most destructive enemies of the game in the country surrounding their location. The report of a party which recently travelled through this vicinity in the interests of the Smithsonian Institute, stated that one of the greatest curses of the north country game is the half-breeds who recognize no game laws and have practically exterminated big-horn sheep.

In addition to their destructive inroads on the game these half-breeds refuse to conform to the grazing regulations, and, as it is found impossible to compel the white people to recognize the regulations while the half-breeds are allowed to ignore them, the grazing regulations are practically suspended in so far as the Athabaska forest is concerned. It has long been recognized that the only effective remedy is the removal of the half-breeds to another location, but as this action was opposed by the provincial authorities, measures which had been adopted to secure their removal from the reserve were dropped. It is hoped, however, that as the situation develops some way will be found of dealing with the matter.

The forest rangers have continued to co-operate with the provincial authorities in the protection of game on the areas in forest reserves which have been proclaimed

SESSIONAL PAPER No. 25

game preserves, and have assisted in seeing that the hunting laws were observed on the areas where hunting in season is permitted. A few prosecutions were made for illegal hunting.

The Alberta government proclaimed a close season from November 1, to December 31, 1917, on all game in that portion of the Cypress Hills forest reserve which lies in Alberta. This is the first instance where the Alberta government has passed prohibitory regulations in regard to game on forest reserves, but there is no reason why game preserves may not be proclaimed by the province in forest reserves where conditions make such action advisable. Previously, hunting has been prohibited by the province in Dominion parks only.

FIRE-RANGING OUTSIDE FOREST RESERVES.

The forested areas, outside of the lands examined and included in forest reserves, are patrolled by temporary fire rangers under the supervision of chief fire rangers, who are generally permanent officers. The extent of territory to be covered, approximately 132,000,000 acres in the provinces of Manitoba, Saskatchewan, and Alberta, and 6,000,000 acres in British Columbia, makes it necessary to have large patrol districts, there being 126 in the former, averaging 1,047,000 acres, and 58 in the latter, averaging 107,000 acres. In the more northern districts, where patrol is made by canoes, the rangers generally have a canoe-man to assist.

While there is not much money available for improvements in these districts the rangers have done considerable in clearing trails and canoe routes, erecting cabins and lookout towers to facilitate the protection of their districts. The rangers are fighting against heavy odds but on the whole they have taken hold of the work actively and are securing some success and a measure of popular support. Some rangers, unfortunately, were not well fitted for the work and have weakened the organization at important points.

The number of chief fire rangers employed was 14, and of fire rangers and assistant rangers 226. The number of fires was 926, as compared with 848 in 1916 and 1,501 in 1915. The total area burned over was 420,163 acres, of which 83,806 acres carried 25,619,000 feet board measure of timber and 849,771 cords of wood; and 71,968 acres were covered with young growth.

The causes of the fires outside the forest reserves were as follows:—

Causes.	No. of Fires.	Percentages.		
		1917.	1916.	1915.
Unknown.....	298	32	30	31
Campers.....	166	18	20	34
Settlers.....	213	23	19	13
Railways.....	161	17	20	14
Lightning.....	32	4	7	4
Lumbering.....	23	3	3	2
Incendiary.....	19	2	*	*
Brush disposal (other than by settlers).....	11	1	*	*
Other causes.....	3	*	1	2
Total.....	926	100	100	100

*Less than one-half of 1 per cent.

FOREST SURVEYS.

The only survey carried out during the year was that on the military reservation at Petawawa. Owing to the late date at which the appropriation for the survey became available, and to difficulties in getting a party organized, the survey did not begin until August 1. As a consequence the survey was completed on only about one-third of the tract but, with a full season's work during the coming year, it is hoped to have the whole area covered.

The soil over the portion examined is generally light, becoming pure sand in some locations, and in some parts there is a rocky subsoil. There are also considerable areas of muskeg. The types of forest cover vary considerably but a great part of the reserve is covered with an even-aged growth of from 40 to 60 years of age. This is not a virgin stand, being largely natural reproduction following extensive logging operations of 30 to 50 years ago. There is little mature timber and few pure stands and the reproduction has a rather large predominance of hardwood species. Ash, elm, oak, maple, birch, and other hardwoods occur, and white and red pine, jack pine, and spruce among the conifers. There are some pure stands of pine of the different species occurring over small areas. The forest cover as a whole is very typical of the vast areas of cut-over lands now existing in the provinces of Ontario and Quebec; hence the district, presents an admirable area whereon experiments may be made and theories tested and worked out to conclusions which may solve the problem of the best methods of utilization of such lands which are now over large areas producing little or nothing of value.

FOREST PRODUCTS LABORATORIES.

The Forest Products Laboratories have suffered severely by reduction of staff. A considerable number enlisted in the army early in the war, but latterly the demand for technical men has become so great that a large part of the remaining staff has been drawn into work for private firms in positions more remunerative than those offered in the Government service. This situation raises a serious question as to the future status of the work of scientific research, so important for the development of the industries of the country and the proper utilization of its resources. The pulp and paper division being one of those that have suffered most severely on account of the loss of men, the advisory committee appointed by the technical section of the Canadian Pulp and Paper Association, realizing the seriousness of the situation, have taken up with the firms engaged in the industry a proposition for financial assistance to this division of the laboratories, at least for the war period, so that it can be properly manned and the work carried on efficiently. It is expected that such a formal proposition will shortly be made. This will involve a scheme of co-operation in the conduct of the laboratories on the lines which seem to be favoured by the Imperial Research Department and by the Canadian Honorary Council for Scientific and Industrial Research.

The main projects under way have been continued. The compilation of the literature from all languages on waste sulphite liquor has been completed and the material submitted for publication. This will be a very valuable reference work on the subject and may lead toward the utilization of material which not only is now waste but is actually injurious in streams into which it is turned. The manufacture of alcohol for war purposes from such waste liquor has been discussed with several pulp and paper firms and it is possible that arrangements may be made for starting such manufacture. The investigation of the chemistry of pulpwoods is proceeding and much valuable information has been obtained that will give direction for the best methods of chemical treatment of such woods. In wood preservation a simple and satisfactory method for the impregnation of hemlock and jack pine, woods not of long life and now used so largely for railway ties in Canada, has been worked out. Generally progress has been made and good work done so far as equipment in men and machinery would permit.

SESSIONAL PAPER No. 25

The completion of sets of specimens of Canadian woods made it possible to furnish such sets to a number of educational institutions, particularly technical schools.

A request was made by the Imperial Munitions Board for co-operation in the testing of timbers at Vancouver for aeroplane construction, and after discussion of the whole situation, and in view also of the possibility of the establishment of a permanent testing station and forest laboratory at Vancouver, an arrangement was reached and has been approved that a plan of co-operation for the testing work required should be carried out between the Imperial Munitions Board, the University of British Columbia, and the Department of the Interior. Under this arrangement the university will provide the necessary accommodation and the Imperial Munitions Board will furnish the necessary staff except the superintendent and this department will provide the superintendent and will also furnish the equipment.

SESSIONAL PAPER No. 25

STATEMENT of Timber Permits issued on Forest Reserves in the Fiscal Year, 1917-18.

Reserve.	No. of Permits.		Kinds and Quantities of Timber Authorized to be Cut.										Dues and Fees.				
	Free.	Paid.	Poles or Rails.		Fence Posts.		Saw Timber.		Mine Timber.		Building Logs.			Fuel Green.		Fuel Dry.	
							ft. B.M.	Ln. Ft.	Ln. Ft.	Ln. Ft.	Cords.	Cords.		Cords.	Cords.	Cords.	Cords.
Turtle Mountain	72	15				1,350	41,000					1,440				1,913	69 45
Spruce Woods	47	4														769	25 50
Riding Mountain	528	688			4,725	54,207	4,168,205					60,549	433			7,147	10,756 72
Duck Mountain	238	207			4,800	16,975	1,342,298					24,837	5			3,372	3,266 45
Moose Mountain	21	117			1,640	6,625	1,200					5,290	555			496	344 50
Beaver Hills	78	2					24,768					2,290				805	31 00
Porcupine	122	41			14,600	11,800	1,069,177					31,800				565	888 25
Pasquia	11	35			4,800	19,789	27,250					3,000				5,622	2,226 80
Fort à la Corne	95	65			17,274	9,955	152,139					41,443				1,206	392 14
Pines	13	29			1,830	4,800	175					6,215	200			930	414 80
Nasbec	59	41					45,571					3,000				1,955	343 81
Big River	13	9			300	600										225	3 25
Steep Creek	10	9				1,050	1,400					260				325	35 55
Keppel	99	93			7,165	2,300	2,500					26,136	470			1,295	189 45
Surgeon	9	4			8,050	1,530						7,450				80	33 70
Elbow	9	9														61	2 25
Manito	25	30			4,900	1,225						2,000	153			426	79 00
Dundurn	6	6														150	1 50
Cypress Hills	175	175			78,962	50,410						50,100	239			2,399	518 65
Cooking Lake	40	33			200	1,800	7,800					20,900				1,007	321 50
Crowsnest	116	80			15,958	49,820	12,500					24,492	8			2,555	614 79
Bow River	26	26			50,88	2,030						6,265				740	151 42
Clearwater	22	12										800				713	230 75
Brazos	8	9			63							254,000	4,938			150	837 94
Athabaska	1	1										100					0 25
British Columbia Reserves	8	27			200	250						20,735				1,714	162 45
Total	1,851	1,702			170,755	180,947	6,862,985				418,892	344,124	2,063			36,636	22,241 85

9 GEORGE V, A. 1919

STATEMENT of Grazing Permits issued in the Fiscal Year, 1917-18.

Reserve.	No. of Permits.	Number of Stock.				Dues and fees collected.
		Cattle.	Horses.	Sheep or Hogs.	Total.	
						\$ cts.
Turtle Mountain.....	87	1,221	125		1,346	1,254 25
Riding Mountain.....	14	705	23		728	261 50
Duck Mountain.....	7	542	2		544	117 50
Spruce Woods.....	26	367	38	553	958	441 75
Moose Mountain.....	21	560	30		590	150 75
Porcupine.....	8	235	18		253	51 50
Pasquia.....	2	26	15		41	8 30
Pines.....	5	221	14	35	270	58 70
Beaver Hills.....	12	357	10		367	110 85
Nisbet.....	6	72	8	7	87	25 20
Keppel.....	49	778	91		869	214 70
Big River.....	3	424	3		427	38 85
Manito.....	54	1,860	280	24	2,164	656 50
Elbow.....	52	1,170	135		1,305	351 10
Seward.....	18	320	131		451	221 25
Dundurn.....	8	455	83		538	152 15
Crowsnest.....	70	5,525	699	6,000	12,224	2,780 26
Bow River.....	53	3,420	668		4,088	1,527 29
Clearwater.....	5	79	64		143	48 90
Athabaska.....	3		34		34	10 95
Cooking Lake.....	13	437	27		464	131 40
Total.....	516	18,774	2,498	6,619	27,891	8,613 65

TIMBER Cut on Forest Reserves under authority of Timber Sales in the Fiscal Year, 1917-18.

Reserve.	Previous Sales still operating.	Sales made Current Year.	Saw Timber.	Mine Timber.				Dues collected.
				Props.	Props.	Lagging.	Lagging.	
			Ft. B.M.	Ft. B.M.	Lin. Ft.	Cords.		\$ cts.
Fort à la Corne.....	1		57,639					36 71
Pasquia.....	1	2	359,477					50 00
Porcupine.....	1	1	52,164					105 49
Big River.....	1		401,881					975 64
Cypress Hills.....	1		38,989					31 74
Crowsnest.....	6		333,718		529,189	2,245	Ft. B.M. 591,501	2,238 87
Clearwater.....	1		319,922	1,719,618		606		5,451 48
Brazeau.....	2	1		274,216	319,188	223	Lin. Ft. 871,730	1,457 74
Total.....	14	4	1,563,790	1,993,834	848,377	3,074		10,350 67

SESSIONAL PAPER No. 25

STATEMENT showing the quantity of Timber Sold and Revenue Due during Fiscal Year ending March 31, 1918 on License Timber Berths within Dominion Forest Reserves.

MANITOBA.

Forest Reserve.	Timber Berths.	Area in Reserve.	Quantities Sold.			Revenue.		
			Lumber.	Lath.	Other* Products	Dues. Payable.	Rent Payable.	Total Payable.
	No.	Sq. Mls.	Ft. B.M.	No.		\$ cts.	\$ cts.	\$ cts.
Riding Mountain..	4	4,443	325,000			85 00	222 15	307 15
Duck Mountain....	11	9,998	8,706,135	3,537,600	12,650	5,243 25	499 90	5,742 90
Total.....	15	14,441	9,031,135	3,537,600		5,328 25	722 05	6,050 05

SASKATCHEWAN.

Porcupine and Pasquia.....	48	98,904	22,233,974	5,303,650	30,623	12,454 54	4,886 90	17,341 44
Sturgeon.....	12	17,778	49,066,934	12,290,900		28,847 78	891 33	29,739 11
Big River.....	3	26,077	18,585,758	5,571,850		3,930 38	1,303 85	5,234 23
Nisbet and Pines..	5	11,680			12,319	793 12	173 15	966 27
Total.....	68	154,439	89,886,666	23,166,400		46,025 82	7,455 23	53,481 05

ALBERTA.

Crownsnest.....	12	25,919	7,282,110		722,117	4,089 07	1,295 95	5,385 02
Bow River.....	16	37,444	3,867,319	949,850	149	1,887 43	1,860 95	3,748 38
Clearwater.....	4	37,756					1,887 80	1,887 80
Brazeau.....	12	22,626	929,323		10,000	553 71	1,131 30	1,685 01
Total.....	44	123,745	12,078,752	949,850		6,530 21	6,176 00	12,706 21

BRITISH COLUMBIA.

British Columbia Reserves Total..	11	13,357					667 85	667 85
Grand Total.....	138	305,982	110,996,553	27,653,850		57,884 28	15,021 13	72,905 16

* The figures in this column indicate the number of units upon which the dues were collected. They include the following: 2,646 cords of wood, 10,875 fence-posts, 12,650 pieces of driftwood, 2,002 lineal feet of boom timber, 27,855 lineal feet of piling, 721,830 lineal feet of mine timber, and 10,000 railway cross-ties.

PART IV
IRRIGATION

IRRIGATION

REPORT OF THE SUPERINTENDENT OF IRRIGATION.

E. F. DRAKE.

The past year has shown little development work in connection with irrigation. The high cost of labour and material has, naturally, discouraged construction work. The farmers have, generally, concentrated their efforts upon increased production of cereals, which are more easily and less expensively grown, and which require less labour than irrigated crops. The good yields for the past three years, coupled with the prevailing high prices, have amply justified this course.

A comparison of the acreage under cultivation for cereals in the years 1915 to 1917, inclusive, with the yield per acre and the price per bushel, is interesting. In Alberta the area sown to wheat increased in each of these years but the total yield decreased slightly for 1916 and considerably for 1917. In each case, however, the increased price more than compensated for the decreased yield. The 1917 crop of 18 bushels per acre, at an average price of \$1.74 per bushel, was even more profitable to the producers than the bumper crop of 1915, at 31 bushels per acre and 88 cents per bushel. The yield of wheat per acre decreased in close relation to the rainfall during the crop-producing season. Oats and barley showed a steady increase in area and value during this period, although the per acre yield in 1917 was about 25 per cent less than in 1916.

In Saskatchewan the area of wheat under cultivation increased slightly for 1916, but decreased appreciably for 1917, while the total yield decreased each year. Owing to the prevalence of rust in 1916, the total yield was so reduced that the total value also showed a decrease, but, with a still further decrease in yield in 1917, the value of the crop was a maximum for the three-year period. Oats and barley showed a steady increase in area and value, but the total yield of oats for 1917 showed a decrease.

The following tables are based upon the best obtainable information. The "normal prices" are estimated, and are, possibly, rather high, but precise information of average prices for past years is not readily obtainable:—

TABLE showing Yields of Wheat, Oats and Barley, in Alberta, for the years 1915, 1916 and 1917.

Crop and Year.	Yield per Acre.	Average Price per Bushel.	Average Price per Acre.		Yield per Acre.	Rainfall at Calgary, April to August.	
			\$	%		Inches.	%
<i>Wheat—</i>	Bush.	\$	\$	%	%	Inches.	%
Normal	22·5 ¹	1·60 ²	22·59	100	100	11·56 ³	100
1915	31·12	·88	27·39	122	138	12·27	106
1916	24·99	1·33	33·24	148	111	8·93	77
1917	18·25	1·74	31·76	141	81	6·63	57
<i>Oats—</i>							
Normal	42·00 ¹	·34 ²	14·28	100	100		
1915	45·91	·31	14·23	100	109		
1916	48·11	·46	22·13	155	115		
1917	34·00	·63	21·42	150	81		
<i>Barley—</i>							
Normal	28·25 ¹	·50 ²	14·12	100	100		
1915	32·31	·44	14·22	101	114		
1916	29·04	·71	20·62	146	103		
1917	22·00	·98	21·56	153	78		

¹ Average for 10 years, 1908-1917.

² Estimated.

³ Average for 30 years, 1885-1914.

TABLE showing Yields of Wheat, Oats, and Barley, in Saskatchewan, for the years 1915, 1916 and 1917.

Crop and Year.	Yield per Acre.	Average Price per Bushel.	Average Price per Acre.		Yield per Acre.	Rainfall at Swift Current from April to August.	
	Bush.	\$	\$	%	%	Inches.	%
<i>Wheat—</i>							
Normal	18 50 ¹	1 00 ²	18 50	100	100	10 00 ³	100
1915.....	25 12	91	22 86	124	136	10 14	101
1916.....	16 34	1 28	20 92	113	88 ⁴	14 09	141
1917.....	14 25	1 95	27 79	150	77	5 12	51
<i>Oats—</i>							
Normal	38 25 ¹	34 ²	13 00	100	190		
1915.....	43 48	32	13 91	107	114		
1916.....	43 06	46	19 81	152	113		
1917.....	27 25	62	16 90	130	71		
<i>Barley—</i>							
Normal.....	26 75 ¹	50 ²	13 38	100	100		
1915.....	31 74	46	14 06	109	119		
1916.....	27 00	77	20 08	155	101		
1917.....	21 00	1 00	21 00	157	79		

¹Average for 10 years, 1908-1917.²Estimated.³Average for 30 years, 1885-1914.⁴Results affected by rust.

It is apparent from the reports received from our inspecting engineers, that irrigation development is not progressing satisfactorily in southern Alberta and south-western Saskatchewan. A great deal of time and money has been spent in the construction of "irrigation works," that is, in canals and ditches for conveying water to the land. This money has not been wasted. Such works are necessary, as without them the land cannot be irrigated, but they alone are not sufficient to produce really beneficial results. It is undoubtedly true that few of the privately owned irrigation projects in these provinces are producing the results hoped for by their owners. There is much disappointment and even discouragement.

But it would be unfair to conclude, as some apparently have, that irrigation is therefore a failure. While in too many cases the results have been unsatisfactory, and in some cases even harmful, the causes are readily apparent and the remedy is available to those who are willing to apply it.

The average farmer who professes to practise irrigated farming really does nothing of the kind. He may *irrigate*, after a fashion; that is, he may at considerable expense build a ditch for the conveyance of water to his land, but *irrigated farming* means something more than merely turning water loose to flow at will over a tract of land, and that is practically all that has been done in very many cases. Usually little, if any, attempt is made to smooth the land. If the land is below the level of the supply ditch, if it seems to be fairly smooth and to have a reasonable slope, the usual practice is to turn the water out of the supply ditch at one or several points, and allow it to wander at will over the field. It is soon apparent, as the water spreads, that the surface which seemed so smooth is far from being so; it is usually a maze of shallow depressions, with intervening low knolls or ridges. Parts of such a field will receive no water, while other parts will receive so much that after a few years of this haphazard "system" of irrigation even the native grasses are drowned out and replaced by fox tail and other inferior grasses, and if there is alkali in the soil such over-irrigation brings it to the surface, with most injurious consequences.

SESSIONAL PAPER No. 25

Bringing the water to the land is but the first step in the art of irrigated farming; the other steps, without which no real success can be obtained, are:—

1. Thorough smoothing of the soil and preparation by means of dykes, borders, etc., for the control of water, so that all parts of the field may receive an even saturation;
2. Construction of drainage ditches to receive and carry off surplus water;
3. More frequent and less copious irrigations, where the conditions of water supply will permit.

But it is not always possible to practise irrigated farming as it should be done. Lack of capital, and the difficulty of obtaining labour when required, coupled with the necessity for producing as quickly and cheaply as possible the most readily saleable form of crop, account, in many cases, for the failure of settlers to utilize their irrigable land to the fullest advantage. It is unquestionably true, however, that in other cases the means have been available, but heedlessly, have not been applied. No excuse can be found for those who, having invested in a system of irrigation works, and having at their disposal capital and other means for making their investment profitable, neglect to take advantage of their opportunities.

The engineers of the Irrigation Branch have for several years, and notably for the past two years, been instructed to afford all possible advice and assistance to settlers regarding the proper methods of irrigating, the most desirable crops to grow, having regard to climatic and soil conditions, etc., and, generally, to place their services unreservedly at the disposal of all settlers. Some good has doubtless been accomplished in this way, but not as much as had been hoped for. Our officers are, primarily, engineers rather than agriculturists, and, while in the course of their duties they have acquired considerable knowledge of up-to-date agricultural methods, they cannot and do not, profess to be agricultural experts. We have found that settlers are generally willing to follow the advice of our inspecting officers in the design and construction of irrigation systems, and, to a limited extent, in the methods of applying water to the soil. When, however, our officers have attempted to give advice upon purely agricultural questions it has, as a rule, either not been very well received or ignored. Much of the stagnation in irrigation development is probably due to ignorance on the part of the settlers as to the proper methods to follow in order to produce the best results, and it would seem that the time is now ripe for a campaign of education along this line. Efforts are being made to secure competent agricultural experts who can first be taught the essential features of irrigation practice, and thereafter be assigned to the duty of advising and instructing the settlers. It is difficult, however, at this time to secure properly qualified men for this work, and there is very little prospect of much development along this line as long as the war continues.

Efforts are also being made to effect some system of co-operation between the engineers of the Irrigation Branch and the agricultural experts in the service of the Dominion and Provincial Departments of Agriculture, but here again the chief difficulty is the lack of competent men.

HYDROMETRIC SURVEYS (STREAM MEASUREMENTS).

The work of stream measurements has been continued as in former years. A few new stations have been established, while some of the older stations at which records have been obtained for several successive years have been abandoned. Generally, the policy has been to extend the work only where absolutely necessary, and to economize wherever possible by combining the work of stream measurement with that of irrigation inspections, so that one man may cover the territory formerly assigned to two.

During the open-water season, 169 gauging stations were maintained on streams and 7 stations on lakes; records were also obtained at 104 gauges on irrigation canals and ditches, while miscellaneous measurements were taken at 142 points on streams, ditches, and at springs. During the winter season, 102 regular stations were maintained.

The development of mining in northern Saskatchewan, and applications for power rights on Churchill river, directed attention to the lack of precise information of stream flow, particularly winter flow. An engineer of the Water Power Branch had taken some flow measurements during the summer of 1916, but these merely emphasized the necessity of securing fuller data covering the winter or low-water period, and this branch was asked to undertake the work.

Owing to the absence at "the front" of so many of our more experienced engineers, we had no one available who was qualified by past experience in sub-arctic travel to undertake the somewhat hazardous journey to this remote district in winter, and to remain there, practically alone, for the winter season. We were, however, fortunately able to secure the services of Mr. R. D. Fry, a well-qualified engineer with considerable experience in northern travel. Mr. Fry left Pas on the 22nd December, 1917, and returned to that point on the 5th April, 1918, the journey from Pas to Churchill river and return, being made by dog train. The records of stream flow secured by Mr. Fry are interesting and valuable, and will be published later in bulletin form. The manuscript records have, in the meantime, been placed at the disposal of the Water Power Branch.

Mr. Fry could, undoubtedly, have written a very readable and interesting report of his journey and of the incidents of life in the sub-arctic wilderness during the winter, but with characteristic modesty he confines himself to the briefest possible statement regarding the journey, and deals in his report only with the work which he was sent to do. His reference to the journey consists of the following laconic statement:—

"I left Pas Saturday, December 22, with two men and two dog trains, by way of Reeder, Rock, and Sturgeon-Namew lakes, arriving at Beaver Landing on December 24, where I commenced work at the outlet of Beaver Amisk lake. Then I proceeded north, metering Scooping rapids on the Sturgeon-weir river on my way, reaching the mouth of the Reindeer on January 12, where I made my headquarters camp during the winter's work."

INTERNATIONAL WATERWAYS TREATY.

(ST. MARY-MILK RIVER CASE.)

Article VI. of the treaty of January 11, 1909, between Great Britain and the United States, defines the manner in which the waters of the St. Mary and Milk rivers and their tributaries are to be measured and apportioned between Canada and the United States, under the direction of the International Joint Commission.

Public hearings of all the interested parties were held before the commission in May, 1915, and May, 1917, but no final decision has been given. In August, 1917, Mr. P. B. Mignault, one of the Canadian members of the commission, visited the West and accompanied by myself, went over the district involved; he examined the lands alleged to be irrigable and the works constructed or planned for the purpose of irrigating them.

The case was again taken under consideration by the commission in November, 1917, and at subsequent meetings and in the meantime, the officials of the United States Reclamation Service and Geological Survey and of the Irrigation Branch of

SESSIONAL PAPER No. 25

the Department of the Interior were authorized to study the stream flow data with a view to assisting the commission in reaching a decision upon the points in controversy.

On May 24, 1918, the commission issued an interim order, the purport of which is as follows:—

Before the beginning of the irrigation season of each year the proper officers of the United States and Canada shall, after conferring together, prepare a statement showing the total actual requirements of water for irrigation purposes of the United States and the Dominion of Canada, respectively, in the drainage basins of the St. Mary and Milk rivers during the irrigation season of that year, estimating the total amount of water required for each month of the season and the total acreage of land it is proposed to irrigate.

During the irrigation season the natural flow of the two streams shall be apportioned between the respective countries by their properly constituted reclamation and irrigation officers so as to satisfy in each month, so far as practicable, the actual requirements of each as set forth in the statement, or in any modifications thereof duly made.

The duty of measuring and apportioning the waters has been entrusted to Mr. Arthur P. Davis, Director and Chief Engineer of the United States Reclamation Service, and Mr. Edward F. Drake, Superintendent of Irrigation, Department of the Interior, Canada.

It is quite impossible to make any statement at this time as to whether or not this interim order will provide for a mutually satisfactory division of these waters even as a temporary measure, which it admittedly is. Much will depend upon the nature of the present season: if it should prove to be a "dry year," with the resultant decreased supply, and increased demand for water, difficulties may be expected; while, on the contrary, if there should be abundant rainfall, and the flow of the streams keeps up reasonably well, there will probably be enough water for all.

A number of international gauging stations have already been established by agreement between the Governments of the United States and Canada, and it is proposed to establish several more similar stations during the present year in order that the fullest possible information may be obtained regarding the quantity of water available and the use to which it is being put. The cost of installing these stations is shared equally between the two countries, as is also the cost of maintenance and of observations.

WATER SUPPLY INVESTIGATIONS.

The difficulty of obtaining water in portions of southern Alberta and Saskatchewan has been one of the drawbacks to the settlement of those districts, particularly along the lines of mixed farming. In the earlier days of settlement of the West certain districts assumed to be semi-arid were avoided by settlers, and enormous areas of this character were used only for ranching. But settlement gradually encroached upon these drier areas, small towns sprang up along the lines of railways, and each of these became the nucleus of, or distributing point for, a scattered farming community.

Given two or three years of fairly abundant rainfall, the farmers prospered, settlement increased, the villages and towns increased rapidly in size, and ranching gradually gave place to farming. But, unfortunately, dry years, or cycles of dry years, usually followed quickly, crops withered and failed from lack of moisture, the scanty sources of surface water supply dried up, and it became necessary to haul water in tanks or barrels for even domestic use. The small towns which had relied upon shallow wells, local streams or springs, found their supplies dried up or seriously depleted and were compelled to sink deeper wells or to go farther afield and pipe water from more distant sources at high cost. Successive dry years, with partial or complete crop

failure, resulted in the abandonment of many farms acquired under the homestead or pre-emption regulations, and in the general impoverishment of the settlers.

It is easier to recite the conditions obtaining in these semi-arid districts than to indicate the remedy. Improved methods of farming will help. Dry farming, or rather scientific farming methods, if properly applied and consistently followed, will doubtless make possible the growing of profitable crops in *alternate years* in regions where the annual rainfall is usually insufficient for profitable farming as it is practised in humid districts. Irrigation will also help where water can be brought to the land at reasonable cost and in sufficient quantity, and where the settlers will take the time and trouble to really master the art of crop production under this form of agriculture. One or the other of these, or both of them in combination, offer the best, if not the only, prospect of assured prosperity in regions of scanty rainfall.

But even though improved farming methods and the practice of irrigation may be generally adopted, the question of water supply remains unsolved. Living conditions cannot be regarded as satisfactory where the water supply is scanty or poor in quality, particularly where water for domestic use must be hauled for several miles. The question of domestic water supply has therefore naturally received a good deal of attention from the Dominion and Provincial Governments and at the hands of municipal and other organized bodies throughout the drier portions of the West.

Upon the initiative of the Lethbridge Board of Trade a "Water Conference" was held at Lethbridge, Alta., on June 22, 1917, which was attended by representatives of the Dominion and Provincial Governments and by many prominent persons who were interested in this problem or were likely to be able to assist in its solution.

The Dominion Government was urged to reserve land bordering on rivers, lakes, and other sources of water supply, to afford sanctuary for stock in times of drought and the co-operation of the Provincial Governments was asked in order that practicable road approaches might be provided giving access to these reserves.

The Dominion Government was also asked to arrange for the diversion of water from Milk river through the canals of the Alberta Railway and Irrigation Company, for the use of settlers along Etzikom coulée and in the vicinity of Pakowki lake.

Steps are being taken to examine the lands available for such reservation, and to determine whether or not they should be set apart for the purpose suggested. Fifty-two cancelled stock-watering reserves were inspected and reported upon by engineers of this branch during the season of 1917, and a considerable number of these, which otherwise would have been sold at public auction, have been reserved for water supply purposes. The remainder of the reserves, or as many of them as possible, will be inspected during the season of 1918.

Another phase of this question that is receiving attention at the hands of the engineers of the Irrigation Branch is the investigation of all sources of water supply, whether from streams, springs, or wells. Our engineers have been instructed to inquire carefully into this question in the course of their ordinary trips of inspection, and thus, without increasing our staff or noticeably adding to our expenditures, we have been able to accumulate a fund of valuable information which is being studied and tabulated and prepared for general use. Our engineers inspected 288 wells and 54 other sources of water supply during the season of 1917. This line of investigation will be continued throughout the current year.

Regarding the diversion of water from Milk river, through the Alberta Railway and Irrigation Company canals, by way of Stirling and Etzikom coulée and Pakowki lake, there are at present no facilities for diverting water from Milk river. The company built a canal several years ago, but the dam and headgates were subsequently destroyed by flood, the canal has been injured by slides in several sections, and, generally, the system is not in condition for use. It is believed, however, that it could be restored and made available for use at moderate cost, and there is some prospect of the company undertaking to restore this canal at an early date.

SESSIONAL PAPER No. 25

ALKALI INVESTIGATIONS.

In certain portions of the provinces of Alberta and Saskatchewan in which irrigation is practised, the presence of alkali has made it doubtful whether certain strongly impregnated soils were suitable for irrigated agriculture. In a few cases the surface indications were sufficient to permit of satisfactory conclusions being reached, but in the vast majority of cases chemical analyses are required, not only of the surface soil, but of the subsoil to a depth of four or five feet. A large number of samples has been collected by our field engineers and forwarded to Ottawa, where they have been tested in the chemical laboratory at the Central Experimental Farm.

Comparative specimens of soils from alkali and adjoining lands have also been secured in order to obtain data for establishing standard limits of tolerance. These samples have been tested and analysed and will form the basis for future work of a similar nature, affording very necessary information for determining the relative toxic effects of varying concentrations upon different crops in several localities. Other soils have been analysed in connection with specific undertakings, and several specimens of deteriorated concrete have been dealt with and passed upon by Dr. Shutt, Dominion Chemist, under whose direction this section of our work is carried on.

DRAINAGE.

There has been little development in connection with the reclamation of submerged or swamp lands by means of drainage. A few small projects have been authorized under the provisions of Section 1 of the Alberta Reclamation Act, and works are now being constructed. There are several similar applications now under consideration under Section 1 of the Saskatchewan Reclamation Act, but the construction of works has not as yet been authorized. No larger projects are as yet under construction, although in the province of Alberta two or three drainage districts are in course of formation. The high cost and scarcity of labour have not tended to encourage work of this character under present conditions. Instructions have been given for the inspection and survey of two proposed drainage projects of considerable size in the province of Saskatchewan but with our reduced staff of engineers it is doubtful if the work can be undertaken this year; it will be done if possible.

REPORT OF THE COMMISSIONER OF IRRIGATION.

F. H. PETERS.

ORGANIZATION OF STAFF.

The organization of the staff was similar to that of last year, with the proposed change carried into effect of combining the irrigation and hydrometric work in certain districts. All field survey development work having been discontinued, the staff—mainly in the field, but also in the office—has been correspondingly decreased in comparison with the years prior to 1917.

STREAM ADMINISTRATION.

This very important work of transferring our records to the new system which has been developed was carried on actively throughout the year. One office engineer devoted all of his time to his work and considerable assistance was given by another office engineer. The progress made on this work was again disappointing and it will take another year to get all the details completed. Nearly every stream has been dealt

with and all the necessary data and information collected and arranged for future use. Great difficulties have been met with in this work because new complications have arisen just as the work was developed and also in a great many cases the complete physical data necessary have been found lacking in one respect or another.

HYDROMETRIC SURVEYS.

The organization of the regular work was similar to that of previous years. The only change from last year was that in all the southern districts the duties of the irrigation inspecting engineer and district hydrometric engineer were combined. The territory was therefore divided into thirteen districts, with an engineer in charge of each. In six of these one engineer did both irrigation inspections and hydrometric work; the remaining seven did hydrometric work only. The engineer in charge of the Calgary district also looked after the current-meter rating station.

During the open-water season, records were taken at 168 regular gauging stations on streams in Alberta and Saskatchewan, 158 gauging stations on irrigation canals and ditches, and 5 stations on lakes. Winter records were taken at 96 regular stations on streams during the past winter.

During the year 52 current-meters were rated: two belonged to the Shawinigan Water and Power Company, 11 to the British Columbia Hydrometric Survey, 5 to the Manitoba Hydrometric Survey, 2 to the Canadian Pacific Railway Company, and the balance, 30, belong to this branch.

The assignment of the office staff was nearly the same as last year, but the efficiency of the staff was somewhat impaired by changes in the personnel.

FIELD WORK.

The field work necessary for administration was carried on in much the same manner as last year, but a few changes which affected the work to a considerable extent are being noted.

Over a considerable area of the drier parts of Alberta and Saskatchewan, the question of water supply for domestic, municipal, and industrial purposes, is one of prime importance. It may be said without any fear of contradiction or the slightest exaggeration, that in certain districts the agricultural and community development is absolutely dependent upon the development of a sufficient supply of water. There is nothing new about this fact, but, like many other essential facts, it is often overlooked or forgotten. Thanks, largely, to the farsightedness and activity of the Lethbridge Board of Trade, this feature as outlined above was prominently brought forward in the fall of 1916, and in February, 1917, the question was taken up by the Scientific and Industrial Research Committee at Ottawa.

As a direct result of the information given to the committee concerning the work being done along these lines by the Geological Survey and Irrigation Branch, it was arranged that our inspecting engineers would collect all the data possible in their respective districts concerning domestic water supplies and wells. The information was to be collected to indicate the surface supply that is now available, and in connection with the deeper wells special attention was to be given to getting a log of the well so that this special information, dealing with the underground geological conditions, could be supplied to the Geological Survey for their information in determining the possibilities of underground sources of water supply.

Another outcome of the activities of the Lethbridge Board of Trade was the arrangement to cause inspection by our engineers of all stock-watering reserves which have not yet been alienated from the Crown; this with a view to maintaining for the Crown all the remaining water reserves that in future may be valuable in connection with the increased raising of stock by the prairie farmers. These water reserves were very wisely set aside in the old days of the ranching industry, and when this gave place

SESSIONAL PAPER No. 25

to the development of farming it had apparently been assumed, without considered thought, that the usefulness of the water reserves was past.

A considerable amount of work was done during the season by inspecting engineers in making the inspection in connection with matters referred to above. All the data collected were submitted on suitable forms, which have been filed away for ready reference and use in the future.

As we now have hydrometric records over a fairly long period, and as the major portion of the construction work on the smaller irrigation projects has been completed, it was planned this year, in an endeavour to increase the economy and efficiency of the work, to combine irrigation and hydrometric work in certain districts. This was done in the Cypress Hills country, which was divided up into four districts, and also in the case of the Calgary district. The engineer in each district had one assistant.

CYPRESS HILLS DISTRICT NORTH.

The total number of inspections made was 83, and 7 surveys were made; 75 gaugings were made and 4 new gauging stations were established. Data were gathered concerning 46 wells and 20 domestic water supplies. The number of miles travelled by train was 3,057 and by other means, principally team and democat, 2,219. These figures include the work done on the special measurement of early spring run-off.

CYPRESS HILLS DISTRICT SOUTH.

The total number of inspections made was 44, and 2 surveys were made; 118 gaugings were made. Data were gathered concerning 12 wells. The number of miles travelled by train was 151, and by other means 3,318, principally by team and democrat. These figures include the work done on the special measurement of early spring run-off.

CYPRESS HILLS DISTRICT EAST.

The total number of inspections made was 92, and 6 surveys were made; 115 gaugings were made and one automatic gauge station was constructed, which required eleven days' work. Data were gathered concerning 96 wells and one domestic water supply. The number of miles travelled by train was 3,121 and by other means, principally team and democat, 2,346. These figures include the work done on the special measurement of early spring run-off.

CYPRESS HILLS DISTRICT WEST.

The total number of inspections made was 89, and 4 surveys were made; 194 gaugings were made. Data were gathered concerning 48 wells and 2 domestic water supplies. The number of miles travelled by train was 952 and by other means, mainly team and democat, 3,272. These figures include the work done on the special measurement of early spring run-off.

MACLEOD DISTRICT.

This district was operated as a combination one, and the irrigation work comprised practically all of the old Calgary irrigation district. The total number of inspections made was 86 and 2 surveys were made. Data were gathered concerning 51 wells and 21 domestic water supplies; 408 gaugings were made. The number of miles travelled by train was 1,911 and by other means, mainly motor car, 5,984.

MUNICIPAL WATER CONSUMPTION DATA.

The collection and compilation of municipal water consumption data was inaugurated towards the end of the year 1914, and in the year 1915 we received information complete for the year from fifteen cities and towns in Alberta and Sas-

katchewan. In the following year we received records for the whole year from the same cities and towns.

During the year 1916 an endeavour was made to obtain these data from a greater number of places, with the result that for the year 1917 we have received complete records for the year from twenty-one cities and towns in Alberta.

LARGE IRRIGATION PROJECTS.

Eastern Section, C.P.R. Irrigation Block.

Part of the system has been in operation, and in that connection some repair and maintenance work has been done by the company. The only field inspections made were in connection with the reconstruction of the Antelope Creek Siphon and some instances of disintegration of concrete by alkali action.

Alberta Railway and Irrigation Company.

A field inspection of the system was made for the purpose of making a report on the condition of works. The authorized term for the completion of the construction of the works expired in October, 1917, but an extension of five years has been granted.

The system has been in operation as usual. Some work of repairs and improvements has been in progress.

Canada Land and Irrigation Company, Limited.

On July 1, 1917, the Southern Alberta Land Company, Limited, the Alberta Land Company, Limited, and the Canadian Wheatlands, Limited, were amalgamated under the title of the Canada Land and Irrigation Company, Limited. Some construction was undertaken late in the season, and will be continued in 1918 with a view to being able to deliver water to the first unit of approximately 50,000 acres before the end of the 1918 season.

Taber Irrigation District.

The time allowed to the Taber Irrigation district for entering into a contract for the supply of water having expired, the district was re-erected in 1917, the boundaries of the old district being changed so as to exclude all school lands and include an additional area to the east of the original district sufficient to make up the full 17,000 acres of irrigable land for which water is available. It is hoped that an agreement between the district and the Canadian Pacific Railway Company will be effected in time to permit of the construction of the system during 1918.

Lethbridge Northern Irrigation Project.

No field work has been done during the past season on the proposed Lethbridge Northern Irrigation System. Reservation of water supply from the Oldman river has been made based on the surveys and reports already completed.

OFFICE WORK.

Good progress has been made during the year in the preparation of the water administration records under the new system recently adopted.

DUTY OF WATER EXPERIMENTS AND DEMONSTRATION.

A record was kept of the water applied and the crops produced at the demonstration station at Strathmore. Experimental crop work on the proper duty of water was carried on at Ronalane. Data regarding the duty of water were collected at Coaldale and irrigated crop reports were submitted by the inspecting engineers for the Cypress Hills district, mainly in Saskatchewan, and for the Macleod district in Alberta.

PART V

WATER POWER

REPORT OF THE SUPERINTENDENT OF WATER POWER.

J. B. CHALLIES, C.E. (Tor.), M.E.I.C.

The following report, with the attached report of J. T. Johnston, B.A.Sc., M.E., I.C., Chief Hydraulic Engineer, concerns the activities of the Dominion Water Power Branch for the fiscal year ending March 31, 1918:—

In submitting the attached report of the work of the Dominion Water Power Branch, for the fiscal year ending March 31, 1918, the writer begs to call special attention to the extremely important factor that water-power is now playing, and will continue to play, in the development of commerce and industry throughout the world. There can be no doubt as to the absolutely urgent and vital necessity of Canadian authorities doing everything possible to ascertain the water-power resources of the Dominion and to assist in their proper exploitation.

The world war, bringing with it a tremendous speeding up of industry in the manufacture and transportation of munitions, has taxed the power resources of every nation, the immediate cause of fuel and consequent power shortage has varied, but the result has been the same, namely an almost universal feverish activity in the more efficient use of existing power-producing agencies and the search for and investigation of new ones.

The return of peace will find all nations engaged in the keenest industrial competition. The vast burden of war debts cannot be borne by any nation failing to hold her own in this competition. Foreseeing this, and realizing the vital bearing of mechanical power in the struggle, the technical advisors of every country are studying its power resources not so much from the standpoint of present needs, but rather for the future.

In Great Britain proposals have been set forth for vast central station fuel-power plants at strategic points for the supply of power for all industries, in order to secure a more efficient use of coal, the extraction of all by-products is being urged, not merely on account of their vast value, but also to reduce the cost of power. Stock, too, is for the first time being systematically taken of the water-powers of the British Isles.

At the request of the British Government, a special committee of engineers and scientists, eminent in power production practice, and representative of all the important engineering and scientific societies of Great Britain has been engaged for some time in a study of the water-power resources of the whole empire. The result of the deliberations of this committee to date indicates that the Imperial Government will be urged to constitute at once a permanent power board representing the Governments of Great Britain and all the Overseas Dominions. The primary object of the board will be to assist in the investigation and development of the water-power resources of the Empire, in order that there may be no doubt about the further industrial development of any part of the British possessions so far as cheap dependable power may be a factor therein.

Among our allies the *United States*, faced with similar fuel conditions to ourselves, is taking active steps to mobilize her power resources, but is handicapped, as are some parts of Canada, by unsatisfactory water-power laws.

France, until the war an importer of one-third of her coal, was faced by the loss to the enemy of a considerable proportion of her own mines and the rising price and difficulty of transportation for imported fuel. Promptly and in spite of many difficulties she has proceeded with hydro developments and by the end of this year will have 1,100,000 horse-power developed, an increase of 450,000 horse-power since 1910, two-thirds of which has been secured since war broke out.

Italy, lacking coal, is an excellent field for water-power development, and through the *Allemeine Elektrische Gessellschaft*, the great German electric machinery trust, popularly known as the A.E.G., the Germans secured a strangle-hold on Italian industry and by 1910 515,000 h.p. was developed. Since the outbreak of war the Italian Government has not merely broken the Teutonic hold of the A.E.G., but has proceeded with an active water-power policy. Recent information is that concessions for 208,000 horse-power were granted in 1917 and that in December, 1917, there were 218 requests for concessions, estimated at 816,000 horse-power in course of examination.

Neutral countries are well aware that they will have to compete in a much keener market after the war and we see signs of stimulated water-power activities in *Norway* and *Sweden* where the Scandinavian Governments are rendering every possible encouragement in the development and use of "white coal". Barcelona the "Manchester of Spain", a city of 300,000, is replacing steam power by hydro-electricity, and a Canadian Company has already completed a large portion of an extensive system of reservoirs and hydro-electric stations on the *Noguera Pallaresa* and *Segre* rivers.

Concerning enemy countries little authentic news has been available since 1914. *Germany* is not particularly rich in water-powers. Nevertheless, with half a million horse-power developed, or 31 per cent of the amount available, she led the world in percentage of utilization. *Austria-Hungary* is more richly endowed and rumors of war time hydro-electric developments filter through from time to time.

Switzerland has been called the "Industrial Annex" of Germany and in 1910 had 25 per cent of her water-powers developed.

This world-wide activity in hydro-electric power development proves the vital importance of water-power, and the urgent necessity of water-power being used to the maximum possible advantage in Canada, if this country is to realize her proper destiny.

Cheap power promises to be one of this country's greatest assets in the post bellum rivalry of nations for world trade. Canada's great fuel reserves, supported by her water-power resources, represent a sure source of cheap power and guarantee her share in world trade, provided they are availed of to their maximum possible advantage.

One of the most important and far-reaching factors in England's quick recovery from the exhaustion of the Napoleonic wars was the industrial impulse of the steam engine. The impetus to industry from cheap and unlimited electric energy, whether from coal or water-power, will, undoubtedly, prove as great a factor in the recovery of nations following the present world war. That nation which has a dependable source of power capable of producing energy cheaper than other nations will have a tremendous advantage.

Recognized experts on fuel and power matters generally, affirm that no country is more fortunate in respect of her fuel and power resources than is the Dominion of Canada.

The interdependence and interrelation of all the varied fuel-power agencies available in Canada—water-power, coal, oil and gas—necessitates some immediate and constructive organization for effecting their co-ordinate, concomitant development and use. The main function of such an agency should be the evolution of a national master fuel-power policy applicable to all parts of the Dominion, which will realize the maximum advantageous use of every fuel-power element.

Probably the most efficient, effective, inexpensive and immediate method of achieving such result would be the formation of a Fuel-Power Board consisting of the

SESSIONAL PAPER No. 25

government officials from the different Federal departments who have for years been giving special attention to particular phases of the power problems of the Dominion, and who have, as direct result, amassed in their respective offices a great deal of valuable data concerning the present use and possibility of further use of all fuel and power resources.

The aggressive action of all other countries to investigate their water-power resources indicates how essential it is that data governing Canadian water-power sites, feasible and economic of development within a reasonable time, should be obtained promptly. It should be a source of great satisfaction that under war conditions every reasonable effort is being made by the Dominion and almost all the Provincial Governments to secure essential meteorological, hydrological, topographical, and economic data relating to our water-power resources. It is a pleasure to report that in all these efforts the Dominion Water Power Branch is taking a prominent part.

The accompanying report of Mr. J. T. Johnston, assistant superintendent, indicates in detail the nature and extent of the work accomplished by this branch in connection with water-power matters throughout the country.

The engineers of the Dominion Water Power Branch have assisted and co-operated effectively with the International Joint Commission, the Conservation Commission, the Honorary Advisory Council for Scientific and Industrial Research, the Nova Scotia Water Power Commission, various provincial departments, and also the Dominion Bureau of Statistics. Notwithstanding the very large percentage of officials of the branch serving overseas, essential work has been maintained without undue loss of efficiency or reduction in effective results.

Report of the Chief Hydraulic Engineer.

J. T. JOHNSTON, B.A. Sc., C.E. (Tor.), M.E.I.C.

HYDROMETRIC SURVEYS.

Regular stream-measurement operations have been carried on throughout the year in the provinces of British Columbia, Manitoba, and Nova Scotia. Owing to the greatly reduced field staffs, as a result of enlistments for overseas service, there has been no opportunity for enlarging the general scope of the work and the principal effort made has been to maintain in operation the most essential established stations. In a few exceptional cases, additional stations have been established to meet the requirements of new and important projects. It is considered that under the circumstances a very satisfactory season's work has been accomplished.

The great activity which has developed in the Flin-Flon Mining District in Northern Saskatchewan has resulted in the receipt of several important power applications and in order to enable the department to formulate its policy before authorizing power-development operations, winter-flow measurements of the streams affected were essential.

Through co-operation with the Irrigation Branch, arrangements were made for securing winter measurements during the past season. The remoteness of the district rendered difficult the securing of a properly qualified engineer who could be trusted to undertake the work in a satisfactory manner under the severe climatic conditions prevailing in the district. The services of Mr. R. D. Fry were finally secured through Mr. Peters in Calgary, and under the combined instructions of the Irrigation Branch and of this branch covering the character and the scope of the informa-

tion desired. Mr. Fry carried on a successful season's work throughout the months of January, February and March. Many very important discharge measurements were secured and we have now available some definite information as to low run-off conditions to be expected on the power rivers of the district. This information should, however, be supplemented by future measurements.

The question of changing the publication of the stream-measurement records from calendar to climatic-year periods has been under consideration for some time, and last November an important conference was held in Winnipeg, between the field officers of the Irrigation Branch and of this branch, at which all aspects of the question were thoroughly considered and discussed. A climatic year covering the period October 1 to September 30, was unanimously adopted as best meeting the requirements of all administrative departments concerned. This change is being effected in the reports covering the 1917 records. As a result of this decision, the stream-measurement reports of the provinces of British Columbia, Alberta, Saskatchewan, Manitoba, and Nova Scotia, were brought into uniformity. At a subsequent conference between the undersigned and the officials of the Hydro-Electric Power Commission in Toronto, it was arranged that a similar change be made in the manner of publishing the Ontario records. The provinces of Quebec, New Brunswick and Prince Edward Island do not as yet publish systematic stream-measurement records. When the publication of such records is commenced by these provinces, it is altogether likely that the climatic year will be adopted, making the system uniform from coast to coast.

BRITISH COLUMBIA HYDROMETRIC SURVEY.

The British Columbia Hydrometric Survey, under Mr. R. G. Swan as chief engineer, has continued its operations in co-operation with the provincial authorities along the lines outlined in previous reports.

Owing to the reduced staff, it was found necessary to discontinue operations in the Fort George district and to concentrate on the southern and more thickly settled portions of the province, where the information obtained is of more immediate importance. It is, however, of the utmost importance to the future development of the northern districts that stream-measurement work be resumed there as soon as conditions will permit.

Mr. Swan's organization co-operates, systematically and with uniformly satisfactory results, with the British Columbia Lands Branch and the Dominion Parks Branch. At the present time a further co-operative arrangement is being worked out with the Department of Indian Affairs whereby the services of the Hydrometric Survey staff will be at the disposal of that department for the consideration of the numerous important engineering problems which are continually arising in respect to the question of Indian reserves throughout the province and to the apportionment and utilization of water-rights in connection with the same. The importance and the economic efficiency of having available, at all times, an organization of trained engineers, expert in all the conflicting relationships of water to land, is being realized to a greater extent from day to day, and the services of the Hydrometric Survey staff, apart from the regular stream-measurement operations, are being continually utilized in increasing measure. During the past year numerous engineering reports on water-supply, log-booming, reclamation, foreshore, and irrigation, have been prepared by Mr. Swan's staff at a minimum of expense, and with most satisfactory results.

The stream-measurement report for the year 1916 has been published as Water Resources Paper No. 21. Material for the report covering the year 1917 is practically prepared and is being submitted to the King's Printer at an early date. It will be published as Water Resources Paper No. 23. This report will introduce the calendar year period and will include the records for the period January 1, 1917, to September 30, 1917. These reports are available for free distribution to all interested in problems of run-off of the rivers in British Columbia.

SESSIONAL PAPER No. 25

MANITOBA HYDROMETRIC SURVEY.

The stream-measurement work throughout the province of Manitoba has been continued throughout the year, under Mr. M. C. Hendry as chief engineer.

In the province of Manitoba, as in British Columbia, it has been necessary owing to the smallness of the present staff as a result of enlistments for overseas service, to largely confine the work to stations already established. Every effort has been made to maintain the regular stations which are of primary importance to the general questions of water-power, water-supply and reclamation throughout the province. Miscellaneous measurements on the important rivers in the unsettled portions of the province have been secured whenever opportunity offered. Particular attention has been given to the Pinawa Channel discharge, on the Winnipeg river, in connection with the improvements which are under way at the power-station of the Winnipeg Electric Railway Company.

The intensive study which has been carried on during the past few years at the outlets of the lake of the Woods, has been continued during the past year, and a continuous oversight has been maintained over all the conflicting aspects of the lake of the Woods regulation. In view of the vast importance of the lake of the Woods storage to power interests on the Winnipeg river in Manitoba, it is essential that this work should receive continuous and intensive study.

The report covering the stream measurements for the year 1916 has been published as Water Resources Paper No. 22. Material for the report covering the period January 1, 1917, to September 30, 1917, is now prepared and will be submitted to the King's Printer at an early date. This report covers a nine-month period and is designed to introduce the climatic year method of publishing data. It will be published as Water Resources Paper No. 24. These reports are available for free distribution to all interested in problems affected by the run-off of the rivers in the province of Manitoba.

POWER AND STORAGE SURVEYS.

Special field investigations into power and storage projects have been very largely curtailed during the past year. Stream-measurement studies have, of course, been continued as outlined under the preceding section on hydrometric surveys. A very exhaustive study has been given in the office to a great number of the important projects which are awaiting better financial conditions pending development.

MANITOBA.

Special arrangements were made with Mr. Hendry for closing the gap in the survey of the lower English river. The existence of this gap in the record made it impossible to consider the power features of the English river, as a whole, in conjunction with those of the Winnipeg. As only a few week's field work at little cost was involved, advantage was taken of a slack period to rush this work to completion. The field work was accordingly completed last September and October, and the department has now the complete data available upon which the entire question of power development on the English river, and of storage in lac Seul, can be intelligently studied.

No active construction operations were undertaken at the Grand Rapids on the Saskatchewan river, owing to difficulties experienced in financing. A careful study was, however, maintained of the governing run-off conditions at Pas and Grand Rapids.

Supervision was continued over the new construction operations at the plant of the Winnipeg Electric Railway Company, on the Pinawa channel of the Winnipeg river. The new work undertaken by the company has been carried on to the entire satisfaction of our inspecting engineer. Extensive additions being made to the mu-

municipal plant of the city of Winnipeg at Point du Bois, on the Winnipeg river, have also been carried on, under supervision, in a satisfactory manner. Mr. W. J. Ireland, assistant chief engineer to Mr. Hendry, has acted as inspecting engineer in the above two instances, in addition to his other duties.

A detailed and up-to-date analysis of the water-powers of Manitoba is now under way, in accordance with the general inventory which is being made of the water resources of the Dominion. The index inventory referred to in the last annual report is being applied to all phases of the Manitoba work, and is giving most satisfactory results. The revised Manitoba power data will come to hand at an early date.

ALBERTA AND SASKATCHEWAN.

Mr. Attwood, Chief Engineer of Power and Storage Surveys in Alberta and Saskatchewan has given attention to the detailed analysis of special power problems in this district, the physical data relative to which has already been collected, and to a systematic and detailed analysis of the entire power and storage resources of the two provinces of Alberta and Saskatchewan, in accordance with the requirements of the general water resources inventory. The power and storage data which has been collected by this branch, covering these two provinces is being restudied, analysed and filed under the new index inventory. When this work is completed it will be available for ready reference at a few moment's notice.

A detailed study has been made of the power situation in the Flin-Flon Mining District and very careful consideration has been given to the various applications which are before the department for power development there. The question of diverting water from one watershed to another is involved in one of the applications and before final action can be taken in the matter, it will be necessary that field studies be made.

Special reports have been prepared by Mr. Attwood on many small power applications which have received consideration during the past year.

The general administrative policy of the branch has been continued. Applicants for water-power privileges have been furnished with all the data available in the department and particular attention has been given to the developers of small local water-powers. In brief, every effort has been made to secure the development of desirable power undertakings and to discourage the development of wasteful and uneconomical projects.

RECOMMENDATIONS FOR FUTURE WORK.

Under conditions arising from the war, it is not considered advisable to inaugurate any extensive field investigations into power prospects in remote districts and beyond the limit of early prospective development. Only those locations and projects which may be developed to advantage at the present time should receive aggressive field-study. The following field-work should be kept in view to be carried out as soon as conditions permit:—

1. A comprehensive field investigation of the proposals now before the department, for the development of water-power in the Flin-Flon Mining District in northern Saskatchewan. The very important principle of diverting run-off from one watershed to another is involved in the power project, and the department must be thoroughly seized of all the physical facts involved before determining its policy in the matter. As the mining development in this region is largely dependent upon the securing of a dependable source of power, this field investigation should be completed at as early a date as practicable.
2. A detailed study should be made of one or more of the more accessible power sites on the Nelson river, in order that the department may have reliable and

SESSIONAL PAPER No. 25

definite data available for immediate reference as occasion demands. The construction of the Hudson Bay Railway has brought the unparalleled power resources of the Nelson river within reach of industrial enterprise.

3. A detailed investigation should be made into a combined project at Meadow Portage, incorporating the power, navigation, and reclamation features. This site has received a great deal of attention from the public during the past few years and should be definitely analysed.
4. The line of precise levels along the Winnipeg river, which has been partially completed, should be continued to cover the entire power reach in Manitoba.
5. Systematic investigation into the northern rivers of the three Prairie Provinces should be continued by reconnaissance investigation.
6. Arrangements should be made, in the future, for the systematic covering of all those sections and rivers, in the more settled portions of the Prairie Provinces, which have been omitted from the investigations to date.

NOVA SCOTIA WATER POWER AND STORAGE INVESTIGATIONS.

The agreement between this department and the Nova Scotia Water Power Commission, covering the investigations into the power resources of the province of Nova Scotia, has been continued with mutually satisfactory results throughout the past season. The work is under the direction of Mr. K. H. Smith of this department, as district engineer, and has progressed systematically and efficiently.

Regular stream-measurement stations are maintained throughout the province and the power rivers are being systematically investigated in the field in the order of their importance. Precipitation and evaporation stations are maintained by co-operation with the Canadian Meteorological Service.

Power surveys and investigations have been completed during the past fiscal year on the following streams: West River Sheet Harbour, Liverpool river, Medway river, Lahave river, Mushamush river, Petite Riviere and St. Croix river. In addition, investigations were made of a number of small individual power sites as follows: Annapolis river, at Lawrencetown; Annapolis river, south branch, at Factorydale near Berwick; James river, near Antigonish; South river Antigonish, at Fraser's mills, East river St. Mary, Rocky Mountain site.

These field investigations include a thorough study by reconnaissance methods of the storage possibilities in each watershed and field profiles of the rivers affected, supplemented by detail work at all possible or prospective dam and power sites.

The annual progress report covering the operations for the provincial fiscal year ending September 30, 1917, was prepared by Mr. Smith for the commission. This report covers in detail the entire stream-measurement and water-power investigations carried on during the preceding year. The report is at the present time in the hands of the King's Printer, in Nova Scotia, and will be published at the expense of the commission for free distribution to all interested in the water-powers of Nova Scotia.

The progress of the investigations to date has been exceptionally satisfactory, and a dependable analysis of the water-powers of the province is being effected in a most efficient and economical manner.

DOMINION LAND SURVEYS AND RECLAMATION.

In connection with the administration of water-powers, it has been our policy to thoroughly investigate all power possibilities feasible and probable of development in the near future, as far as possible in advance of their anticipated actual development. This has involved the determination of the flood contour with respect to most of the sites investigated in order that the reservation of essential lands may be made in advance of their settlement or other disposition.

The reservation of large blocks of land for power purposes has had a tendency to cause some temporary hardship to a certain few settlers in the vicinity of power sites, until the flood contour is accurately defined and tied in to the regular Dominion land survey lines when settlement and disposition of lands not actually needed can be made. It has, therefore, become the settled policy of the department to deal with power-site needs as they become acute. Mr. T. H. Dunn, D.L.S., has been attending to a considerable portion of this work in conjunction with his reclamation field studies. During the past season several land situations of this nature were dealt with by Mr. Dunn.

The lowering of lake Winnipegosis and the water-power and navigation questions which are involved with the reclamation features has also received Mr. Dunn's attention.

INTERNATIONAL JOINT COMMISSION.

The International Joint Commission has completed its report on the Lake of the Woods reference and has submitted the same with certain definite recommendations to the respective Governments of Canada and the United States.

This reference has been before the commission since 1912, and has involved many conflicting interests of navigation, power, and fishing, and the flooding of lands and properties around the lake borders. From the date when the reference was first submitted to the commission its vital importance to the power interests on the Winnipeg river, below the lake, has been fully realized by this department and every possible measure taken to ensure that the rights and requirements of these power interests should be properly presented to the commission.

As there was serious conflict between what the various interests affected considered best suited their individual requirements, and as many of these interests were of very great importance, the reference before the commission required very careful consideration and intensive study. The outstanding position of the power interests and their dependence upon a substantial storage range in the lake was presented to the commission at the various hearings by means of comprehensive reports, memoranda, statements and oral argument. In this connection the individual companies and municipalities affected have co-operated with this Branch to the advantage of all concerned throughout the entire period of the reference.

The Lake of the Woods Technical Board, organized for the purpose of correlating the conflicting Canadian interests, gave prolonged study to the entire question and was instrumental in preventing conflicting claims and representations being made to the commission by Canadian interests. The final recommendations of the technical board were very largely adopted in the findings of the commission.

A large measure of storage in the Lake of the Woods is absolutely essential to complete utilization and to the successful economic development of upwards of 500,000 horse-power on the Winnipeg river. This was clearly presented to the commission, and it is satisfactory to note that as a result the commission has recommended that a five-foot storage range between elevations 1056 and 1061 be left entirely in the hands of a domestic control board. When the lake falls below or rises above these elevations, the commission has recommended that the control of the regulations be placed in the hands of an international board for the protection of international interests. Provision is made for the lowering of the low limit, in exceptionally low water seasons, with the approval of the commission. The ordinary maximum level has been placed at elevation 1061.25 with the provision that this may be somewhat increased in the future when the enlargement of the lake outlets as recommended by the commission has been made.

In brief, the power interests are assured of a five-foot storage range on the lake. Although this is not all the power interests desire and need it is probably fairly satisfactory. At any rate it makes available a reservoir for the tiding over of low water

SESSIONAL PAPER No. 25

periods in the river below. The power interests in Manitoba benefiting by this storage have already expressed themselves informally to the department as being willing to bear their share of the cost involved.

The recommendations of the commission are at the present time before the two governments concerned who, it is hoped, will take early favourable action in connection therewith.

LAKE OF THE WOODS REGULATION.

Pending the adoption by the Canadian and the United States Governments of the recommendations made by the International Joint Commission in respect to the Lake of the Woods reference, the control of the Lake of the Woods regulation has been continued as outlined in the last annual report. The arrangement made in September, 1916, between this office and the Department of Public Works of the province of Ontario, whereby this branch would advise the Ontario authorities as to the operation of the Norman dam, has worked out satisfactorily. The systematic records which are received daily and weekly from various points throughout the watershed covering meteorological and run-off conditions, are such that our officers are at all times informed as to the prevailing governing conditions. It is accordingly possible to take intelligent action at the Norman dam to provide for the present and future requirements of the interests affected by the river discharge or by the lake level, and at the same time to forestall such unusual flood conditions as maintained during the summer of 1916. In brief, the regulation of the lake level is at the present time based upon the conditions maintaining throughout the entire watershed and not upon the local requirements of any particular interest or set of interests. The lake has, in consequence, been maintained at a satisfactory and fairly uniform level and ample water has been provided at all seasons for the power interests. At the present time steps are being taken to prepare the lake for possible flood in flows following the spring run-off. It is considered that the situation is well in hand.

WATER RESOURCES INVENTORY.

The detailed investigations carried out by our field parties in various parts of the Dominion resulted in the accumulation of a great amount of reliable water-resource information. In addition to this first-hand data, co-operation with other federal departments and with provincial organizations interested in water-resource administration, has brought us into direct touch with all resource investigations which have been made through the entire Dominion.

In the past the information secured by the many different Dominion and provincial organizations concerned has not been correlated and it has consequently not been available at any one place for ready reference or for systematic analysis. Numerous inquiries from responsible quarters in Canada, in Great Britain and in foreign countries, having as their object the securing of accurate information respecting Canada's water-powers and their relation to timber resources, mineral resources, transportation systems (rail and canal), industrial centres, industrial possibilities, electro-chemical opportunities, etc., have indicated the urgent necessity of some central bureau for receiving and co-ordinating all available water-power and cognate data. Up to date these inquiries have been dealt with as promptly and as satisfactorily as the nature of the data on hand would permit. At the same time it has been realized that the basic data, upon which these various analyses must be made, should be more systematically compiled and arranged, and various steps have been under way during the past two years to achieve this result. In order that the final results should be permanently satisfactory, it was essential that the methods adopted should be broad and thorough, and should depend upon the harmonious co-operation of all Federal and provincial departments and organizations interested in or affected by the administration of water-powers or the investigation of water resources.

9 GEORGE V. A. 1919

The desired mutually satisfactory co-operation has already been achieved, without any dislocation or curtailment of the activities of any existing organizations, and the water resources index to which reference was made in the last annual report has now been practically perfected. The filing scheme in all its details has been finally worked out and the index maps, cards and folders prepared.

While the staff of the branch has been reduced to the minimum possible limits owing to the absence of members on overseas service, and as it has consequently been necessary to materially limit field investigations, it is considered that the work has been maintained in a satisfactory manner and that nothing of really vital importance has been unduly neglected. This has been made possible largely by the reduced staff cheerfully undertaking overtime work at all seasons in order that the best interests of the department should not suffer. I take pleasure in bringing to your attention this summary of the season's operations and of the satisfactory results secured.

DEPARTMENT OF THE INTERIOR

ANNUAL REPORT

OF THE

TOPOGRAPHICAL SURVEYS
BRANCH

1917-18

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

J. DE LABROQUERIE TACHÉ,
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1919

[No. 25a—1919.]

TABLE OF CONTENTS

	PAGE.
Introduction	7
PART I—FIELD WORK.	
Base Line Surveys	8
Party No. 1—North of The Pas.	
T. H. Plunkett, D.L.S.	8
Party No. 2—Northwestern Saskatchewan.	
G. H. Blanchet, D.L.S.	8
Party No. 3—South of Lake Athabaska.	
J. R. Akins, D.L.S.	9
Regular Subdivision Surveys	9
Parties Nos. 1 and 2—Around Sturgeon Bay.	
J. W. Pierce, D.L.S.	9
J. E. Jackson, D.L.S.	9
Party No. 3—North of Prince Albert.	
W. Christie, D.L.S.	10
Party No. 4—South of McMurray.	
R. H. Knight, D.L.S.	10
Party No. 5—South of Lesser Slave Lake.	
D. F. McEwen, D.L.S.	10
Party No. 6—Along Notikewin River.	
J. A. Buchanan, D.L.S.	11
Parties Nos. 7 and 8—East of Grande Prairie.	
J. H. Johnston, D.L.S.	11
A. Lighthall, D.L.S.	11
Parties Nos. 9 and 10—In Peace River Block.	
S. D. Fawcett, D.L.S.	12
L. Brenot, D.L.S.	12
Miscellaneous Subdivision	12
Party No. 1—Along Carrot River.	
J. S. Galletly, D.L.S.	12
Party No. 2—In Eastern Manitoba.	
W. J. Deans, D.L.S.	13
25a—1½	

	PAGE.
Retracement of Block Outlines.	13
Second Base line West of the Fourth Meridian, and traverse of C. P. R. right of way.	
R. B. McKay, D.L.S.	13
Resurveys.	14
Party No. 1—North of Swift Current.	
J. M. Cote, D.L.S.	14
Party No. 2—In Northern Alberta.	
L. E. Fontaine, D.L.S.	15
Parties Nos. 3 to 6—Travelling Parties.	
S. L. Evans, D.L.S.	15
A. E. Glover, D.L.S.	15
E. S. Martindale, D.L.S.	15
R. C. Purser, D.L.S.	15
Railway Belt Surveys.	15
Party No. 1—South of Revelstoke.	
N. C. Stewart, D.L.S.	16
Party No. 2—Near Chase.	
W. J. Johnston, D.L.S.	16
Party No. 3—North of Kamloops.	
C. H. Taggart, D.L.S.	16
Party No. 4—West of Ashcroft.	
J. A. Calder, D.L.S.	16
Stadia Surveys.	17
Party No. 1—West of Moosomin.	
C. Rinfret, D.L.S.	17
Party No. 2—Around Quill Lakes.	
C. M. Walker, D.L.S.	17
Party No. 3—East of Prince Albert.	
P. M. H. LeBlanc, D.L.S.	17
Party No. 4—North of Saskatoon.	
P. J. McGarry, D.L.S.	18
Party No. 5—South of Swift Current.	
G. C. Cowper, D.L.S.	18
Party No. 6—Northwest of Swift Current.	
G. A. Bennett, D.L.S.	18

SESSIONAL PAPER No. 25b

PAGE.

Party No. 7—West of Battleford.
 J. A. S. King, D.L.S. 19

Party No. 8—West of Lloydminster.
 T. A. Davies, D.L.S. 19

Party No. 9—North of Macleod.
 W. J. Boulton, D.L.S. 19

Party No. 10—Northeast of Red Deer.
 W. H. Norrish, D.L.S. 20

Party No. 11—Northeast of Edmonton.
 H. M. R. Soars, 20

Topographical Survey of Bow River Forest Reserve.
 M. P. Bridgland, D.L.S. 21

Inspection of Surveys.
 A. M. Narraway, D.L.S. 21
 G. J. Lonergan, D.L.S. 21

Levelling.
 J. N. Wallace, D.L.S. 21

Alberta and British Columbia Boundary.
 R. W. Cautley, D.L.S. 22
 A. O. Wheeler, D.L.S. 22

Timber Berths and Mineral Claims. 23

Settlements and Townsites. 23

PART II—OFFICE WORK.

Survey Instructions and Accounts. 23

Division of Surveys Information. 24

Division of Examination of Returns of Survey. 24

Drafting and Printing Division. 25

Sectional Map Division. 26

Special Surveys Division. 27

Photographic Division. 29

Lithographic Division. 30

Chief Inspector of Surveys. 30

Board of Examiners for Dominion Land Surveyors. 30

Surveys Laboratory. 32

APPENDICES.

	PAGE.
Appendix No. 1—	
Area of Surveyed land in Manitoba, Saskatchewan and Alberta.	35
Appendix No. 2—	
Schedule of Surveyors employed and work executed by them.	36
Appendix No. 3—	
Schedule showing mileage and cost of survey.	39
Appendix No. 4—	
Schedule showing results of Latitude observations.	40
Appendix No. 5—	
Details of Office Work.	41
Appendix No. 6—	
Surveying Instruments on hand, March 31, 1918.	41

MAPS.

Map showing Progress of Surveys to March 31, 1918.

REPORT

OF THE

TOPOGRAPHICAL SURVEYS BRANCH

INTRODUCTION.

The work of the Topographical Surveys has been classified under two headings, "Field Work" and "Office Work."

Appendices exhibit the total area subdivided, the detailed work of each surveyor, the mileage and cost, a statistical summary of office work, a schedule of latitude observations, and a statement of instruments on hand.

An outstanding feature of the year's work was the revision of the Manual of Instructions for surveys. This was rendered necessary by the adoption of a new method for township subdivision, and other changes.

PART I—FIELD WORK.

The amount appropriated by Parliament for the survey of Dominion lands was \$776,300 or \$200,000 less than the preceding year. However, by the exercise of rigid economy and by dispensing with surveys which were not urgent the department succeeded in reducing the expenditure for the fiscal year to about \$657,000.

Only forty-one parties were employed, as compared with sixty-five in 1915 and fifty in 1916. Of these forty-one parties, four worked in Manitoba, eleven in Saskatchewan, thirteen in Alberta, six in British Columbia, and seven partly in one province and partly in another. Of the six parties in British Columbia, four were employed in the railway belt and two in what is known as the Peace River block. The size of the parties was also considerably reduced and, as far as possible, men suitable for enlistment or farm work were not engaged.

The standard meridians which form the governing lines for all surveys in Western Canada are run due north four degrees or about 180 miles apart at the international boundary.

These meridians are connected every twenty-four miles by base lines, from which the subdivision lines are run. Under the previous system of subdivision the outlines of the townships were run north and south from the base lines, and were the controlling lines for the subdivision of the township. The north and south boundaries were established by joining opposite township corners.

Under the new system the central meridian of a township is run first. It is chained and check chained, before the monuments are established. From this control meridian the remaining chords are accurately turned off and produced as straight lines to the township outlines. Section and township corners are placed at the intersection of the chords and remaining meridians. The new method has proved most satisfactory in every respect.

BASE LINE SURVEYS.

The question has frequently been asked, "Why is it necessary to produce base lines and meridians so far beyond subdivision and general settlement?" These lines are needed for starting and controlling all other surveys. As their establishment takes several years, they have to be surveyed far in advance of settlement in order that subdivision and other surveys may be undertaken at any time and in any part of the country, whenever the necessity arises. Such good progress has been made in this programme that three base line parties were sufficient to complete the surveys required for the year. The total mileage surveyed was 446 miles, being 122 miles less than for the preceding year.

Party No. 1—Surveys North of The Pas.

This party surveyed portions of the 17th base line west of the Principal meridian and the interprovincial boundary between Manitoba and Saskatchewan.

PERSONNEL:

T. H. Plunkett, D.L.S., in charge.

Assistants—

C. S. Macdonald, D.L.S.

D. O. Wing, D.L.S.

Leveller—

A. Matheson, D.L.S.

Party—

20 employees.

This survey is particularly useful on account of the valuable copper mines in operation at Schist, Flinflon and Amisk lakes. The rich ore from the Flinflon district is transported from the mines partly over wagon and sleigh roads and partly by boat to The Pas, some seventy miles to the south, from which point it is shipped by rail to British Columbia for smelting.

Some good timber grows along the shores of lakes and rivers, consisting of spruce and jack pine. Back from the lakes the perpetual frost preserved by its protecting covering of moss stunts the growth of the trees. Mining, fishing, and lumbering are the important industries of this district; the only land suitable for agriculture is a small amount around Sturgeon Landing.

West of Reed lake the country is high and dry; it is in this rocky formation that the minerals are found which make this district a valuable mining area.

Party No. 2.—Surveys in Northwestern Saskatchewan.

A few short portions of base lines were surveyed easterly from the Fourth meridian in the Buffalo lake district. This district is easily accessible both from the west over the Alberta and Great Waterways railway, and from the east over water routes from the Canadian Northern terminus at Big River.

PERSONNEL:

G. H. Blanchet, D.L.S., in charge.

Assistants—

A. Matheson, D.L.S.

E. A. Petrie.

Leveller—

R. Lawrence.

Party—

20 employees.

The townships which may be subdivided by running from these base lines contain some good hay flats along the rivers, the remainder being hilly country or muskegs interspersed with poplar and jack pine ridges. To the north and

east of the locality where the survey of these lines was discontinued are sand hills covered with jack pine which have been extensively burned over. The base lines surveyed lie mostly in the area drained by Churchill river.

The divide between the basins of Churchill and Athabaska rivers follows along the Fourth meridian generally. Muskegs in this area are numerous and on account of their slow drainage tend to keep the streams at a fairly uniform level throughout the year. Forest fires are also kept considerably in check by the muskegs, and good patches of merchantable timber are found.

SESSIONAL PAPER No. 25a

A certain historical interest is attached to this district. The early trader-explorers in going from tidal water at Hudson bay inland in search of new fields for their fur trade travelled up Churchill river and ultimately reached those lakes forming its headwaters. From there it was found that a short portage from Methy lake led into a new watershed, with rivers draining northward into the Arctic. It was by this route that Sir Alexander Mackenzie travelled when he first made his important discoveries and found the river which now bears his name. Later, Thompson passed this way on his famous trip to the Pacific by way of Peace and Fraser rivers. Trading posts were established in the Mackenzie basin as a result of these explorations, and as water transportation was essential for goods and furs the first great transcontinental route was formed of Churchill and Mackenzie rivers and their tributaries, uniting at the twelve-mile portage from Methy lake to Clearwater river. Half-way across this portage the canoe men from the east met those from the north and west, trade goods were exchanged for furs and each party returned the way it had come; only one round trip was made each year.

After the Canadian Pacific railway was built this route was abandoned in favour of Athabaska river, and now this has been itself superseded by the Peace River route. Since the construction of the Alberta and Great Waterways railway there is a possibility of the old Churchill river route coming into use again with the direction of trade reversed, furs going west and goods east.

Party No. 3—Surreys South of Lake Athabaska.

The 28th base line between the Fourth and Fifth meridians was run by this party, thus completing the survey of all the base lines between these meridians south of lake Athabaska.

PERSONNEL:

J. R. Akins, D.L.S., in charge.

Assistants—

M. G. Cameron, D.L.S.
E. Lamert.

Leveller—

S. S. Christie.

Party—

20 employees.

This district is traversed from south to north by Athabaska river, which is navigable throughout except for some rapids above McMurray which have to be portaged.

Although the land is good for agriculture the chief assets of the district consist of oil and gas, wells for which have been drilled with varying success in many places. The area of the tar sands which indicate the presence of gas and oil is unknown but development and prospecting are proceeding rapidly since the construction of the Alberta and Great Waterways railway.

Along the base line west of the Athabaska the country is very wet. Some of the land might be fit for agriculture when drained but a large portion is liable to become flooded. East of the Athabaska to the Fourth meridian the land is all sandy and wooded with a light growth of jack pine. Little or no grass grows, as a thick coat of pine needles covers the surface.

REGULAR SUBDIVISION SURVEYS.

Parties Nos. 1 and 2—Subdivision around Sturgeon Bay, Lake Winnipeg.

The district covered by these surveys is flat and swampy, and transport had to be carried on by man-packing and canoes. The swamps are separated by low ridges, the soil of which is sandy clay with many boulders and rocks. In the swamps the moss retards drainage

PERSONNEL:

J. W. Pierce, D.L.S., and
J. E. Jackson, D.L.S., in charge.

Assistants—

J. K. Benner, D.L.S.
 F. H. Wrong, D.L.S.
 L. A. Kinnear, D.L.S.
 J. P. Howe.

Levellers—

S. F. Vineberg.
 W. F. Asling.

Party—

20 employees each.

but the subsoil is good and with good drainage the district would be fairly suitable for agriculture. The slope as shown by the levels is sufficient for this purpose but drainage on a large scale alone would accomplish any good results. The moss prevents the thawing out of the muskegs so that summer frosts are common. Along Warpath river and lake Winnipeg, however, the land is fairly well drained by natural drainage, and in places well wooded with merchantable timber up to fourteen inches. Some fine hay meadows lie in the open places and a heavy growth of tall grass is found where the timber has been killed by fire.

Party No. 3—Subdivision North of Prince Albert.

The townships surveyed lie around Clearsand lake, a body of water about four square miles in area but not over seven feet deep.

PERSONNEL:

W. Christie, D.L.S., in charge.

Assistants—

A. O. Gorman, D.L.S.
 A. Fawcett, D.L.S.

Leveller—

E. S. Kesley.

Party—

20 employees.

The area is rolling and consists of ridges and muskegs. The muskegs, however, are shallow and the subsoil is clay. Draining is comparatively easy as the slope is ample and the drained muskegs would produce an abundance of hay, which at present is rather scarce. Summer frosts are seldom severe enough to seriously damage crops.

Party No. 4—Subdivision South of McMurray.

This area is easily reached by the Alberta and Great Waterways railway. The land surveyed is all covered with bush except in the southeasterly part, where open patches with light scrub would furnish good ranching districts.

PERSONNEL:

R. H. Knight, D.L.S., in charge.

Assistants—

G. A. Tipper, D.L.S.
 L. E. Harris.

Leveller—

C. W. Graham.

Party—

20 employees.

The timber is small and of no commercial value, being only six to ten inches in diameter, and the area it covers is not large enough to be set aside as a forest reserve.

The surface is nearly level or gently rolling and muskegs and swamps are numerous. If the watercourses were opened and cleared the land would drain itself, as the slope is sufficient. The

six or ten inches of moss would then rot and a rich black loam would result, making this area one of the best for agriculture. The banks of the Christina show that the river has cut through the tar sand, to a depth of over forty feet. From the extensive areas of tar sand in this district it is estimated that about twenty cubic miles of oil have escaped from these Devonian rocks.

Party No. 5—Subdivision South of Lesser Slave Lake.

Mr. McEwen's party subdivided some townships lying between the valleys of

PERSONNEL:

D. F. McEwen, D.L.S., in charge.

Assistants—

W. E. Robinson, D.L.S.
 P. A. Shaver, D.L.S.

Freemen and Athabaska rivers. This area is drained principally by Christmas creek and its tributaries; the creek is thirty-five feet wide and from two to three feet deep. The surface is gently rolling, and is covered with poplar, spruce, and tamarack of small size, with jack

SESSIONAL PAPER No. 25a

Leveller—
E. B. Purdy.

Party—
20 employees.

pine on the knolls and ridges and willow along creeks and on the damp flats. The soil is good clay loam with clay subsoil, except on the sandy ridges. A luxuriant growth of grass is produced with abundant rainfall, making the district excellent for ranching or mixed farming.

Party No. 6—Subdivision along Notikewin River, Alta.

The subdivision on Notikewin river done by this party consisted of the complete subdivision of four townships and five more partly subdivided. The surface of this area is mostly wooded, but a large part of open prairie was found, on which several squatters had located. On these prairie spots the soil is good and grass grows luxuriantly. Prairie fires swept the whole district at the time of survey, the smoke from which was so dense that it was difficult to travel from one tent to another. Some prairie grass which the party fireguarded served as horse feed for the remainder of the work in that locality.

PERSONNEL:

J. A. Buchanan, D.L.S., in charge.

Assistants—
T. H. Bartley, D.L.S.
E. F. Gorman, D.L.S.

Leveller—
H. W. Featherstone.

Party—
20 employees.

Parties Nos. 7 and 8—Subdivision East of Grande Prairie, Alta.

These two parties subdivided lands east of Grande Prairie consisting of ten whole townships and five partial townships adjoining the Sixth Meridian or lying close to it. In the northern part the surface is wooded with poplar, spruce, jack pine and birch, except that part south from the Birch hills, which is more open, having been burned over several times. Birch hills are about 150 feet high, running east and west with a long, gradual slope to the south but an abrupt drop to the north. Farther south along Simonette river the area is largely prairie, only about three sections of merchantable timber being seen. All the streams have deep ravine-like valleys, across which travel is difficult, thus retarding settlement. These ravines afford good grass and shelter for cattle, however, which render the district admirable for ranching. Smoky river, the largest stream, can be forded in a few places late in the fall at low-water, but at high-water the stream rises ten feet. Most of the small streams dry up late in the fall, and the water problem during dry seasons and winter is a difficult one, as even wells are not reliable. Hay sloughs are in demand, as many settlers raise beef cattle, and feeding them through the winter is the most difficult problem for the rancher. Eight grain elevators were built along the railway last year in the Grande Prairie district, and a rancher north-east of Grande Prairie on Smoky river had more than 300 head of cattle, and seemed to be doing a thriving business.

The greatest obstacle to successful farming in this district is the danger from early and late frosts. Some years, crops are a total failure on this account, and mixed farming is becoming general.

Parties Nos. 9 and 10—Subdivision in Peace River Block.

The opening up of the Peace River district by the Edmonton Dunvegan and British Columbia railway has turned settlement in that direction; accordingly these two parties subdivided portions of fifteen townships in the Peace River Block, where land fit for settlement was found. Subdivision was carried on south of Pouce Coupe and in Montagneuse prairie about fifteen miles north of Fort St. John. The surface conditions in both areas are similar, the land being covered with small second growth or made into prairie patches by repeated fires. The soil is black loam on clay subsoil and is suitable for mixed farming. The streams develop deep precipitous valleys sometimes 800 feet deep

PERSONNEL:

S. D. Fawcett, D.L.S., and
L. Brenot, D.L.S., in charge.

Assistants—

C. S. Macdonald, D.L.S.
R. Bruynsraede, D.L.S.
W. E. Lumb, D.L.S.
R. P. Burchnall.

Levelers—

N. C. MacKinnon.
L. F. Brimer.

Party—

20 employees each.

and almost perpendicular in the sandstone areas. In the clay districts slides occur along the banks and crossing streams is difficult, and even dangerous at flood seasons on account of the heavy grades.

In tp. 85-20-6, a number of springs were found which do not freeze in winter and a kind of grass grows around these which stays green in the fall when other grasses dry up. The Indians leave their horses in this area to rustle all winter and although not in the best of condition in the spring they look fairly well.

Fires have repeatedly overrun this whole area and the windfall is too thick to make it a good ranching district.

The climate is severe in winter and summer frosts damage crops considerably. During the last three years two good crops were obtained and it is estimated that in the summer of 1917 three hundred thousand bushels of wheat and oats were threshed in the Pouce Coupe prairie.

The rainfall is not regular though it is excessive during some years. Wells have to be sunk to a great depth and the water is frequently alkaline. Near the permanent streams however, a supply is easily obtained.

MISCELLANEOUS SUBDIVISION.

It frequently happens that subdivision is required of isolated small areas which do not warrant the expense of a regular subdivision party, and yet are too large for a travelling party. Such surveys are done by a small party, the size of which depends on the amount of work to be done.

Party No. 1—Subdivision Along Carrot River.

This party made subdivision surveys along Carrot river to provide for settlement in that area due to the mining activities.

PERSONNEL:

J. S. Galletly, D.L.S., in charge.

Assistant—

K. F. McCusker, D.L.S.

Party—

11 employees.

A strip of fairly good land lies along the river, but generally the country is low and liable to flooding. Good spruce timber is plentiful and lumbering is an important industry. Some land was subdivided also at Sturgeon Landing. This place is at the head of navigation from The Pas and all parties going to the mines at Schist and Athapapuskow lakes or the north country call there. The land subdivided is high and dry and

SESSIONAL PAPER No. 25a

covered with a thick growth of brush. The soil is clay or clay loam with a few boulders, and most of it is first-class for farming, the best quarter-sections lying along Sturgeon-Weir and Goose rivers.

More than 8,000 tons of copper ore, valued at about one million dollars, was hauled to Sturgeon Landing from the mine on Schist lake. This ore is to be taken by boat to The Pas and then by rail to Trail, B.C., for smelting. The amount of ore in sight at Athapapuskow lake is said to be near 300 million tons, and new copper ore deposits have been discovered at Cranberry lake and along Pine Root river.

Party No. 2—Subdivision in Eastern Manitoba.

The first work done by this party was at Bull Head in tp. 30-6-E., where a

PERSONNEL:

W. J. Deans, D.L.S., in charge.

Assistant—

J. H. Patterson.

Party—

5 employees.

settler had made improvements to a lot for a number of years and had applied for a patent. The portion of the lot not under cultivation or pasture is covered with willow, birch, spruce and poplar up to eight inches in diameter. The lowest part of the lot is eight feet above the water of lake Winnipeg, the land gradually rising to twenty-five feet. The settler is engaged in cattle raising, fishing, and farming.

The remainder of the season was spent surveying the dried-up beds of Shoal and Whitewater lakes. When the original survey of the townships around Shoal lake was made the water extended right up to the bush. Now these dried-up portions are covered with grass and sow-thistle on which cattle seem to thrive. All around the lake large herds of cattle pasture all summer and do well. Large quantities of hay are also cut on this land. The soil in the dried-up area is of good quality and free from stones, and where cultivated yields good crops.

At the time of the survey of the townships around Whitewater lake, the lake had an area of twenty-six square miles and a maximum depth of ten feet. At present the lake covers seven square miles and is two feet deep. The streams which formerly emptied into the lake are now dry and it is only a question of time till the lake will disappear entirely. The soil of the dried-up area is a rich black loam mixed with sand, but the great drawback to cultivation is that it is covered with noxious weeds.

RETRACEMENT OF BLOCK OUTLINES.

Good progress has been made in retracing the old meridians and base lines; their lengths and directions have now been determined with great accuracy.

Retracement of Second Base Line west of the Fourth Meridian, and traverse of the C. P. R. right of way.

This party retraced the 2nd base across ranges 1 to 14, west of the Fourth meridian. A line of levels was also carried on along with the retracement. No monuments were

PERSONNEL:

R. B. McKay, D.L.S., in charge.

Assistants—

T. A. McElhanney, D.L.S.
A. G. Stuart, D.L.S.

Leveller—

M. Resnik.

Party—

6 employees.

established on this work as the line traversed lands which were mostly patented, the object of the survey being to determine the correct bearing and chainage of the monuments as they exist on the ground.

This work was discontinued on August 15 in order to complete the traverse along the C.P.R. from Morley to Ottertail in the railway belt.

Owing to the mountainous nature of the country in the belt and along the eastern slope of the Rocky mountains, it is impracticable to establish the initial meridians and base lines in the regular way. Instead,

the subdivision surveys in the railway belt and along the Canadian Pacific railway from Morley westerly have been established by means of traverses along the right of way of the railway. Reference marks were established along the right of way and from these points the subdivision surveys were projected. These reference marks or hubs are known as the Canadian Pacific traverse hubs and are described as C.P.T.'s

East of the summit of the Rocky mountains no C.P.T.'s, were planted but a traverse was made along the right of way, and a number of section and quarter-section corners established

These corners were checked by a triangulation extending from the vicinity of Calgary, Alta., to Salmon Arm, B.C. The triangulation indicated the existence of discrepancies in the position of the corners; another traverse was accordingly made to determine the exact position of the corners.

Morley was chosen as the starting point since it was quite near the triangulation station of Chiniki. The traverse was very carefully made, all courses being chained twice with two different tapes which were frequently compared with the standard. The angles were measured with a base line transit which read to seconds.

As the traverse was extended westerly ties were made to the adjoining section or quarter-section corners frequently enough to determine their precise location.

RESURVEYS.

The early township surveys were not so elaborate and were not made with the same care as at present. Land had little value and the cheapest method of survey was considered good enough. The monuments often consisted of nothing more than a small poplar post, which disappeared after the first prairie fire. Later small iron posts were used; they were more permanent, if not interfered with, but many were pulled up by travellers and used for pegs, crowbars, and other purposes. In other cases, they were wilfully and systematically removed by evil-disposed persons. Under such conditions, the settlers have difficulty in locating their lines and they ask for resurveys.

Where the amount of work to be done in a township is small and does not warrant the expense of a regular party, the survey is made by a travelling party consisting of a surveyor and his assistant.

Frequently the subdivision lines have to be extended over the dried-up bed of a lake.

Sometimes settlers locate on unsurveyed lands in remote parts of the country. After making improvements they apply for a patent, and in order that their request may be granted some sort of survey is necessary. If near any boundary monument of the Dominion Lands system, the settlement is surveyed and tied in to the monument, but if no monument is near, the connection is made when the Dominion system is extended to that locality.

Party No. 1—Resurveys North of Swift Current.

The resurvey of a block of seven townships about forty miles north of Swift Current constituted the work of this party. Most of this area is at present held under grazing leases

PERSONNEL:

J. M. Cote, D.L.S., in charge.

Assistants—

L. A. VanSkiver, D.L.S.
A. M. Mills.

Leveller—

D. Gourley.

Party—

11 employees.

and lies in the valley of South Saskatchewan river. The valley is from three to seven miles wide and from four to six hundred feet deep. The greater part of this area is fit for agricultural purposes as the soil is a rich clay loam. A number of springs give a permanent supply of slightly alkaline water. Summer frosts are unknown.

In addition to the resurvey work, this party traversed Connell and Harehill creeks which form the westerly boundary of the Pasquia forest reserve.

SESSIONAL PAPER No. 25a

Party No. 2—Resurveys in Northern Alberta.

This party was employed on correction work in northern Alberta and also on inspection of Contract No. 17 of 1914 west of McMurray. A subdivision survey executed under contract in the Peace river valley had been left unfinished and Mr. Fontaine's party was detailed to complete it and to correct the deficiencies.

PERSONNEL:

L. E. Fontaine, D.L.S., in charge.

Party—

6 employees.

The contractor had been asked to correct these deficiencies but refused to do so. Accordingly a deduction was made from the amount of his contract to cover the cost of correction.

Many of the posts were improperly planted and had to be reset. Other posts were driven into the ground with a mallet and the flanges broken off. The pits were not all of regulation size; where too small, they were made larger. Lost corners were re-established and at quarter-section corners falling in sloughs which were marked by long wooden posts, witness monuments were erected.

Parties Nos. 3 to 6—Travelling Parties.

Each of these surveyors with one assistant constituted a "travelling party." The work done by these parties in most cases was of small extent and scattered over so extensive a territory that the expense of a fully organized party was not warranted; local help was hired when necessary. The work included retracement surveys for the purpose of obtaining correct bearing and chainage of old lines; restoring old obliterated monuments; resurveying bodies of water which had changed in area since the original survey, and generally, doing any small amount of survey work in any locality.

PERSONNEL:

S. L. Evans, D.L.S.

A. E. Glover, D.L.S.

E. S. Martindale, D.L.S., and

R. C. Purser, D.L.S., in charge.

Assistants—

O. B. Roberts, D.L.S.

W. P. Daly, D.L.S.

G. S. Bayly.

H. W. Churchill.

In addition to the regular survey work they took observations for magnetic declination, magnetic inclination and total magnetic force when this work could be done without materially affecting the progress of the regular work.

RAILWAY BELT SURVEYS.

The "Railway Belt" comprises a strip of land extending twenty-four miles on each side of the main line of the Canadian Pacific railway across the Province of British Columbia.

The land within the belt is very rough and mountainous although some level bottom lands are found, and bench lands are frequent. As surveyors cannot be advised beforehand of the lands to be subdivided they have to use their discretion in deciding whether or not land is suitable for subdivision.

The equipment of a party in the "Belt" is larger on account of the variety of conditions met with in short distances. In a mile of line a surveyor may have some prairie, heavy woods, almost inaccessible cliffs, and snow-clad summits to contend with and must arrange his transport accordingly. Corner monuments often have to be located by traverses and the whole work requires to be carefully done on account of the rough nature of the district.

As no separate parties are provided for base line, subdivision, stadia, or resurvey work in the belt, the regular surveyors are required to perform all the kinds of survey work necessary in the area covered by their instructions.

Party No. 1—Surveys South of Revelstoke, B.C.

In some of the townships within Mr. Stewart's district areas of bottom lands were originally heavily timbered and as all the timber was cut off only a tangled mass of wreckage was left with stumps up to ten feet in diameter. The soil, however, is excellent and when cleared will produce abundantly, while the bench lands farther up the sides of the mountains furnish excellent grazing. Lumbering and mining camps are numerous and prospectors are staking new claims

PERSONNEL:

N. C. Stewart, D.L.S., in charge.

Assistants—

J. W. Doze, D.L.S.
W. Humphreys.

Party—

7 employees.

wherever minerals are likely to be found. The beds of the streams are said to contain gold, platinum, antimony, silver, and copper. Good fir timber grows and cedar fence posts are shipped to the prairie provinces in large quantities.

Party No. 2—Surveys near Chase, B.C.

A large portion of the work of this party was the establishment of the boundaries of forest reserves. These reserves lie entirely on the mountain sides and although they do not include any agricultural land some very good areas of pine grass are found which furnish good grazing. In the bottom land the soil is a sandy loam and is very productive, but most of the land requires irrigation. The timber as a rule is small and no minerals are found. The only drawback

PERSONNEL:

W. J. Johnston, D.L.S., in charge.

Assistants—

J. A. Carson, D.L.S.
J. C. Tassie, D.L.S.

Party—

7 employees.

to making this a good dairying district is its distance from a suitable market.

Party No. 3—Surveys North of Kamloops, B.C.

An area of good agricultural land lies along North and South Thompson rivers near the north boundary of Kamloops Indian reserve, and Mr. Taggart's party re-traced this boundary, which was run thirty-nine years ago, in order to determine how much land lies within the reserve. Of the 2,000 acres of agricultural land within the reserve only about 500 acres are under cultivation. Irrigation is necessary but water for that purpose is convenient and the supply sufficient. The boundaries of Monte Hills forest reserve were also run to ascertain whether some agricultural land in tp. 16-14-6 was within the reserve. Most of this agricultural land is already taken up but some good range land still remains.

PERSONNEL:

C. H. Taggart, D.L.S., in charge.

Assistant—

C. J. Higgins, D.L.S.

Party—

7 employees.

The boundaries of Monte Hills forest reserve were also run to ascertain whether some agricultural land in tp. 16-14-6 was within the reserve. Most of this agricultural land is already taken up but some good range land still remains.

Party No. 4—Surveys West of Ashcroft, B.C.

The lands subdivided by Mr. Calder's party lie along Bonaparte river; the boundaries of Hat creek forest reserve and Bonaparte Indian reserve were also retraced. In the valley of Hat creek extensive bench lands are found at high elevations but in most cases irrigation would be necessary and water for this purpose is lacking. The prevalence of summer frosts is also a drawback to successful farming at high elevation.

PERSONNEL:

J. A. Calder, D.L.S., in charge.

Assistants—

Jas. Gibbon, D.L.S.
J. B. Walcott.

Party—

7 employees.

Grass grows abundantly, however, and stock raising and dairying could be carried on successfully. Clearing the ground is very expensive, as huge stumps and fallen trees are numerous, but when cleared the soil is fertile.

SESSIONAL PAPER No. 25a

STADIA SURVEYS.

When the townships in the western provinces were originally subdivided many bodies of water existed which have now wholly or partially dried up. In other cases bodies of water are found not shown by the original survey, either because they were not noticed or were not large enough to be surveyed.

During a wet cycle of years lakes may also appear where none existed before. The areas given on the township plans can no longer in such cases be accepted as correct. Stadia surveys, so called from the particular method of survey used, are made for determining the present area and permanency of all bodies of water. A district is assigned to each surveyor and he is expected to investigate and report on all bodies of water over five acres in extent in each township in which he operates. If a body of water is over five feet deep or if it does not dry up in the fall the banks are traversed. Rivers over one chain wide and all islands are accurately surveyed. The surveyor also reports upon the condition of the boundary monuments in the township and he may restore a few of them if lost, but as his party is small, work of this nature is generally allotted to larger parties.

Party No. 1—Surveys West of Moosomin.

The area included in the investigations of this party comprised about sixty townships west of Moosomin. The district is well served by railways and all the land is patented but some good homesteads are held by speculators. The roads are well graded and automobile travel is possible everywhere.

PERSONNEL:

C. Rinfret, D.L.S., in charge.

Assistant—

T. Melrose, D.L.S.

Party—

3 employees.

The main industry is mixed farming and drouth does not seem to affect crops in a dry year as it does in other areas. The sloughs and lakes contain fresh water except four or five which are alkaline. Many of the former lakes and sloughs are now dry and producing good hay. South of Indian Head is the Government Nursery, from which trees for planting are furnished to the settlers at nominal prices.

Party No. 2—Surveys around Quill Lakes, Sask.

The nearest town to the area investigated by Mr. Walker was Humboldt, in tp. 37-23-2, where the party was organized. In

PERSONNEL:

C. M. Walker, D.L.S., in charge.

Assistant—

C. H. Snell.

Party—

3 employees.

general the district is not very well settled except in the southwest part and a few of the roads are graded. The soil is light and inclined to be stony, and the surface is covered with light scrub where it has not been broken. The surface is rolling with plenty of water for stock and numerous bluffs for shelter, making the district favourable for mixed farming or cattle raising.

Party No. 3—Surveys East of Prince Albert, Sask.

The district east of Prince Albert was examined by this survey party. Monuments were established where the work was not extensive in the dried-up beds of lakes and a few section lines retraced. A large number of lakes, originally called marshes, were found, and around

PERSONNEL:

P. M. H. LeBlanc, D.L.S., in charge.

Assistant—

J. G. Wright, D.L.S.

Party—

3 employees.

Jumping lake the land has been encroached on to a considerable extent. Carrot river, a portion of which was traversed, is very winding and its course is about the same as in the original survey.

9 GEORGE V, A. 1919

The surface is rolling and partly timbered and although most of the area is patented much of the land is held by speculators and therefore not much improved. Hay can be obtained from the marshes surrounding the lakes, which is of great benefit to the settlers, most of whom are engaged in mixed farming.

Party No. 4.—Surveys North of Saskatoon, Sask.

The work of this party was confined to a group of about fifty townships lying immediately northeast of Saskatoon. The character of this district is fairly uniform, being

PERSONNEL:

P. J. McGarry, D.L.S., in charge.

Assistant—

R. C. Manning.

Party—

3 employees.

nearly level or gently rolling prairie. Practically every quarter-section is under cultivation, and the farmers are engaged almost exclusively in growing wheat. This district is settled mostly by Mennonites who live in small villages and go out daily to their farms, sometimes a distance of five or six miles. This method of working has its advantages and disadvantages. The main advantage is that the people have their homes close together and at a very short distance from their schools, churches, and other places of meeting. Their home life is made more congenial, but the great drawback is the fact that a large portion of the farmer's time is spent going to and coming from his fields. The people appear to be getting tired of this kind of living and there seems to be a tendency, particularly among the younger generation, to abandon the village life and erect their homes close to their work.

Portions of both North and South Saskatchewan rivers were traversed. Each river is from twelve to twenty chains wide and from five to twenty feet deep. Both flow about five miles per hour and the water level is over one hundred feet below the level of the surrounding country. The banks are usually steep and thickly wooded.

Party No. 5.—Surveys South of Swift Current, Sask.

The area where the surveys of this party were located extends from township 1 to township 10 across ranges 1 to 24 west of the

PERSONNEL:

G. C. Cowper, D.L.S., in charge.

Assistant—

E. L. Morehouse.

Party—

3 employees.

Third meridian. All the townships are well settled and considerable improvement has been done on the roads. No railroad crosses this area and settlers have to haul their grain from thirty to sixty miles before reaching a station.

No large water areas were found but many shallow depressions having no outlet are filled with water during wet years. In dry years they become valuable hay meadows. Many of these sloughs could be drained and made to yield an assured crop of hay each year. Frenchman river drains a considerable part of southern Saskatchewan. It rises in Cypress lake, in tp. 6-26-3, and flows southeasterly, eventually joining Milk river in Montana. Its width varies from sixty links to two chains, and the valley varies from one to two miles in width and 100 to 350 feet in depth. The stream is very winding as its length is 216 miles in going 62 miles east and 31 miles south. The valley flat is mostly gumbo and is not very productive except where irrigated.

Party No. 6.—Surveys Northwest of Swift Current.

The district covered by the surveys of this party has been settled for ten or twelve

PERSONNEL:

G. A. Bennett, D.L.S., in charge.

years and the farmers have fine buildings and well tilled farms. At the westerly side the surface is hilly and is best suited for grazing. Lakes

SESSIONAL PAPER No. 25a

Assistant—

J. E. Gray, D.L.S.

Party—

3 employees.

which existed at the time of the original survey thirty years ago are now dry and producing good hay, or are valuable pasture. The soil is heavy clay loam, well suited for wheat growing.

A stadia traverse of South Saskatchewan river was made from the Fourth meridian easterly to tp. 23-20-3. A comparison of this traverse with the old survey made over thirty years ago showed large changes in the course of the river. Large islands have disappeared and former sandbars are now islands, grown up with willow and poplar. In many places the banks have been eroded to a depth of more than ten chains, while in others many areas of new land have been built up which are now covered with dense willow and poplar.

Party No. 7.—Surveys West of Battleford.

Operations in the district investigated by this party were begun in tp. 44-21-3 in

PERSONNEL:

J. A. S. King, D.L.S., in charge.

Assistant—

A. S. Campbell, D.L.S.

Party—

3 employees.

which Cutknife hill is located, the scene of one of the battles of the Northwest Rebellion of 1885. This hill is the highest point in the vicinity. Nearly all the lakes are salty or alkaline and are drying up owing to the extensive draining operations being done and to climatic conditions. South and west from Battleford the lakes are shallow and so alkaline that the water is fit only for stock. Farther north however the lakes are salty and bitter holding clear deep sparkling water. Residents say that the water in these lakes is identical with that of Little Manito lake at Watrous which is famed as being of medicinal value. The water in Sherlock lake in tp. 44-28-3 seems to be a supersaturated solution, as immense quantities of crystalline material are deposited along the shore and on the bottom to a depth of three or four inches. The water tastes exactly like Epsom Salts. Practically the whole area has been settled during the last ten years, but it appears like an old settled district as the farms are well tilled, have good buildings, and everything appears up-to-date. Wheat growing is the main occupation but cattle raising is an important industry, on account of the vacant land furnishing good pasture.

Party No. 8.—Surveys West of Lloydminster.

Investigations were begun by this party in the south part of the district as in the

PERSONNEL:

T. A. Davies, D.L.S., in charge.

Assistant—

A. H. King.

Party—

3 employees.

north part the valley of Vermilion river was flooded to a depth of from one to three feet until later in the season. Travelling through the Vermilion district is easy as there are many graded roads and frequent bridges with graded approaches on both valley slopes. Besides the traverse of all lakes within this area Vermilion river was traversed across ranges 9 to 5 in township 51 and Battle river from range 9 easterly to the Fourth meridian. The district along Battle river is well settled and produces good crops of grain. Mixed farming is followed throughout the district, the settlers raising cattle and hogs. The Edmonton City Dairy Co., have established agencies in most of the towns along the Canadian Northern railway. These agencies conduct a thriving business in dairy products with the farmers of the district.

Party No. 9.—Surveys North of Macleod.

The district between Macleod and Lethbridge was investigated by this party as far

PERSONNEL:

W. J. Boulton, D.L.S., in charge.

north as Little Bow river, and this river was traversed across ranges 22 to 25. The course of the river has changed but little since the original

Assistant—
W. A. Spence, D.L.S.

Party—
3 employees.

Belly rivers were also partly traversed. A number of changes have taken place in the course of these rivers, many curves being cut off altogether and numerous slides having taken place. Highwood river runs through a regular sandstone and gravel gorge. Considerable spruce was found along the banks. During the traverse of Bow river it was found that many of the former islands have been washed away and many new islands formed. The irrigation canals from the river make the district suitable for farming.

survey. A few nice flats which are at present used for grazing are available for cultivation. The river proves a valuable asset to the farmers as it furnishes water for stock. Oldman and

Party No. 10.—Surveys Northeast of Red Deer.

The townships lying around Buffalo lake north of a line between Red Deer and

PERSONNEL:

W. H. Norrish, D.L.S., in charge.

Assistant—
D. E. Chartrand, D.L.S.

Party—
3 employees.

Stettler were examined by this party. The surface is in general rolling, but a great deal is covered with scrubby poplar and willow. The soil is a rich dark loam with a good clay subsoil, producing a luxuriant growth of grass and also good crops. The farmers are mostly engaged in mixed farming. A great amount of hay is cut annually around the sloughs but of late years this is growing less as the water in the sloughs appears to be rising. A number of the small lakes could be easily drained as the slope is sufficient. Cygnet lake in tp. 38-1-5 is a large slough with very little open water. The Canadian Pacific railroad is graded across the centre of the lake. Some years ago the railway company dug a ditch to drain the lake into Red Deer river with the result that the lake was considerably lowered. Since 1914 however very little change has taken place in the shore line. The outlet appears to be filling up and if it were cleaned and deepened the amount of hay land would be greatly increased.

Stettler were examined by this party. The surface is in general rolling, but a great deal is covered with scrubby poplar and willow. The soil is a rich dark loam with a good clay subsoil, producing a luxuriant growth of grass and also good crops. The farmers are mostly engaged in mixed farming. A great amount of

Party No. 11.—Surveys Northeast of Edmonton.

This party examined about fifty townships northeast of Edmonton and extending

PERSONNEL:

H. M. R. Soars, D.L.S., in charge.

Assistant—
E. Nelson.

Party—
3 employees.

westerly to the Fifth meridian. The surface is rolling or undulating with many poplar or willow bluffs. The only land not taken up consists of some muskegs and sandhills, but a number of good homesteads held by speculators are still lying idle. Around Morinville and Rivière-Qui-Barre, the land is poorly drained and has some low gumbo flats. Seeding here was delayed till June. Although hay is scarce, the dairying industry is active. Coal is mined near Morinville and Cardiff. Saskatchewan river was traversed for about 100 miles easterly from Fort Saskatchewan. It flows in a fairly narrow valley from 60 to 125 feet in depth with wooded steep banks or bare cut banks. The river bed is generally stony with many gravel and mud bars. The main channel has an average depth of nine feet. A small paddle-wheel steamer plies between Edmonton and the various points on the river as far east as Wasel in tp. 58-15-4. This is a great benefit to the farmers as the steamer carries grain and produce to the Edmonton market and saves the long hauls to a railway.

SESSIONAL PAPER No. 25a

TOPOGRAPHICAL SURVEY OF BOW RIVER FOREST RESERVE.

The lands within forest reserves not being available for homesteading, the survey of Dominion Lands is not extended into the reserves. For the proper administration of the forests, a good topographical map and some permanent reference points are necessary, and as this map and the points are not furnished by the regular township surveys, a special survey had to be undertaken for the purpose.

PERSONNEL:

M. P. Bridgland, D.L.S., in charge.

Party—

7 employees.

After consultation with the Forestry Branch a photo-topographical survey combined with traverse lines was decided upon as best meeting the requirements; the work was begun in the Bow River reserve. Traverse lines were run throughout this reserve and levels taken, and permanent monuments were established at suitable intervals. A photographic survey was also made, the necessary triangulation being based on the traverse. In all fifty-seven photographic stations were occupied. Some difficulty was experienced in obtaining suitable photographic stations, most of the hills being heavily timbered. Frequently stations could not be had where they were most needed. The reserve is in the foot-hill region, with rolling hills 5,000 to 6,000 feet above sea-level, or about 500 to 1,500 feet above the lower valleys.

INSPECTION OF SURVEYS.

Until the year 1914 subdivision of Dominion lands was performed under contract. The contractor was paid so much per mile and furnished all the party and supplied the men, equipment and provisions necessary for the survey. All work was inspected and deductions were made for deficiencies unless corrected by the contractor. The inspection of a contract involved considerable work; five inspectors were necessary.

PERSONNEL:

A. M. Narraway, D.L.S., Controller of Surveys.

G. J. Lonergan, D.L.S., Inspector of Surveys.

When subdivision by contract was abandoned in 1915, the mode of survey inspection had to be changed. Instead of checking the work executed and seeing that the terms of the contract were complied with, the equipment of the survey parties, the efficiency of their management and the supervision of their work are the points requiring attention. For this purpose, a Controller and an Inspector are sufficient. They visit all the parties, examine carefully the equipment, the management of the party, the food supplied, the men engaged by the surveyor, the methods of survey, etc. They assist in the organization of the parties, the purchase and distribution of outfits, the wintering of horses, storing and disposal of outfits, etc.

In general the Controller visited the parties working on base lines and subdivision, while the Inspector visited the stadia parties and those on miscellaneous surveys.

LEVELLING.

The lines of levels are of four kinds, precise levels run along railway lines, levels run along travelled highways, levels run along meridians and base lines at the time of original survey, and township subdivision levels.

PERSONNEL:

J. N. Wallace, D.L.S., Director of Levelling.

Assistants.

J. B. Alexander, D.L.S.

L. O. R. Dozois, D.L.S.

Party—

12 employees.

On precise level lines the limit of error is 0.015 feet in a mile, lines being run both forward and backward. If the limit of error is exceeded the mile is relevelled. These precise levels are the control lines for all other level lines, and are connected to a mean sea-level

datum. This connection in turn connects up all the other level lines run by this branch in Canada and thus places all the levels on the sea-level datum.

The second class of levels, run along travelled roads or other routes where no railway lines are available, have a limit of error of 0.030 feet per mile. These lines act both as an intermediate control between the lines of precise levels and other lines less accurate than themselves, and also record all local elevations needed for general information along their course.

Levels run along meridians and base lines were the first levels inaugurated and at present form most of the levels run. The limit of error is 0.10 feet in a mile. These early base line levels were not connected and there was no means of comparing the elevations of one line with those of another. The running of the precise and secondary levels serves to connect these base lines and to place them on sea-level datum. Where precise levels have been run across these base lines it has been found that the base line levels are not sufficiently accurate, long lines of levels run under the exigencies of original survey being liable to a greater accumulation of error than the average leveller can be brought to realize. These connections show the need for more precise and secondary level lines.

Subdivision levels are run so as to form closed circuits the closing error averaging less than half a foot in an eight-mile circuit. Sufficient information is secured from these levels to place contour lines on the township plan, the positions of the contours being accurate where they cross levelled lines, while the connection of each contour from line to line is sketched in.

Only one party was employed on precise levelling last season and there was also a decrease in the mileage of meridian and base line levels, and of subdivision levels due to the curtailment of survey work.

The following table shows the miles of levels run during the year, and the total mileage at the end of the year:—

	Season of 1917.	Total.
Precise levels..	331	3,139
Secondary levels..	323	998
Meridian and base line levels..	498	11,887
Subdivision levels..	2,335	6,693
Other lines of levels.. . . . .	.....	321
Total..	3,487	23,038

ALBERTA AND BRITISH COLUMBIA BOUNDARY.

In 1917 work was commenced on the second section of the British Columbia and

PERSONNEL:

- R. W. Cautley, D.L.S., Commissioner for Canada and Alberta.
- A. O. Wheeler, D.L.S., Commissioner for British Columbia.

Assistants—

- A. J. Campbell, D.L.S.
- T. R. Brown.

Party—

11 employees.

Alberta boundary survey, viz: between the main lines of the Grand Trunk Pacific and the Canadian Pacific railways. The methods, distribution of the work, and composition of the parties were similar to those of the preceding years. Mr. R. W. Cautley representing the Dominion and Alberta Governments was in charge of the survey of the watershed across the passes where concrete monuments were built and Mr. A. O. Wheeler, representing the

British Columbia Government was in charge of the photo-topographical survey of the watershed between the passes and of the placing of brass bolts and cairns at points above timberline and at points where concrete monuments could not be built. The first work done was at Howse pass about thirty miles northwest from Kicking Horse pass. It is 319 feet lower than Kicking Horse pass and was the southerly main route of travel of the North West Fur Trading Company across the continental watershed. It was discovered by David Thompson in 1807 and was named after Joseph Howse who was the first Hudson Bay trader to establish a post west of the Rockies.

SESSIONAL PAPER No. 25a

The boundary was also marked through Yellowhead pass which is at present the lowest railway pass across the continental divide. This pass was used by the Shuswap Indians in their journey from Kamloops to Jasper House where they traded with the fur companies. It was also used by voyageurs in going from the headwaters of the Athabaska to those of the Fraser, but was abandoned on account of the difficulty of navigating the latter river. The pass was named after an Indian named "Tete Jaune" who seems to have been a man of some distinction in the neighbourhood.

Since the construction of the railroad the trails leading through the pass have fallen into disuse and are difficult to travel on account of windfall and washouts. Splendid timothy hay grows along the old tote roads and berries of almost all kinds are to be had in great abundance on both sides of the summit.

TIMBER BERTHS AND MINERAL CLAIMS.

Two timber berths were surveyed and portions of two others comprising in all twenty-one and a half miles of boundary line.

The regulations for the disposal of quartz mining claims require that the recorded owner of a mineral claim shall have a survey thereof made at his own expense by a duly qualified Dominion land surveyor under instructions from the Surveyor General within one year from the date upon which he is notified to do so by the proper officer of the Department of the Interior. Eighty-six claims were surveyed, principally in Manitoba. The mineral in the Rice Lake district in the southeastern part of the province is gold-bearing quartz. Around Flinflon, Beaver, and Herb lakes, north of The Pas, rich copper ores have been located.

SETTLEMENTS AND TOWNSITES.

This work was very limited. Small settlements were surveyed at Sandilands and Sturgeon Landing in Manitoba, and at Drumbheller in Alberta.

The subdivision at Sandilands in tp. 4-9-E, was made in acre lots. The settlement is situated in low level swamp lands and the district is furnishing a considerable supply of cordwood for use in Winnipeg.

Sturgeon Landing is at the head of navigation from The Pas and all parties going to the mines at Schist and Athapuskow lakes or the north country call there.

Drumbheller is a flourishing coal mining town in the valley of Red Deer river on the Canadian Northern railway about eighty-five miles northeast of Calgary. The coal mined is of a semi-bituminous variety and is used extensively throughout the West for domestic purposes. Many of the miners had squatted on the land in question and the subdivision was made in such a manner as to allot to each squatter his improvements.

PART II—OFFICE WORK.

SURVEY INSTRUCTIONS AND ACCOUNTS.

Under the direction of the Supervisor of Field Work and Accountant, the programme of survey operations was prepared and the amount of money required to carry out the proposed scheme estimated. For this purpose a record is kept of all requests for surveys. The trend of settlement as indicated by homestead entries, the staking of mineral claims, the disposal of timber limits, etc., are also taken into consideration.

The instructions to surveyors, describing the surveys which they were to make, were drafted by this division. Stock accounts are kept of the equipment available, which is distributed among the parties.

The surveyors' accounts were checked and paid. All office expenditure was checked and paid by the accountant. He also prepared the office pay-lists and checked the attendance.

DIVISION OF SURVEYS INFORMATION.

The work of this division comprises the answering of requests for information relating to surveys; the preparation of information to accompany the instructions to the surveyors in the field; the issuing of preliminary township plans; the entering of survey returns in the various registers; the issuing of the annual report and other publications, and generally work not specially assigned to other divisions.

About 2,000 plans and sketches are required each year to accompany the instructions to the surveyors in the field.

The returns from the surveyors in the field are first received in this division. After being entered up in the various registers, they are forwarded to another division for examination.

In addition to the annual report, the "Description of and Guide to Jasper Park" was prepared and is now in the printers' hands. It is expected that it will be issued in time for the 1918 tourist season. The book will be accompanied by a map in six sheets on a scale of about one mile to an inch.

The preparation of the "Catalogue of Maps in the Collection of the Geographic Board of Canada," which was commenced last year, has now been completed. This consists of a graphical index in twelve sheets and a list of the maps in the collection of the board, giving for each map the title, scale, size, name of publisher and date of publication. The index sheets have already been printed and the list of maps is ready for the printer.

DIVISION OF EXAMINATION OF RETURNS OF SURVEYS.

The work of this division comprises the examination of the returns of survey of all Dominion lands and the preparation of all official plans thereof. It includes the examination of all mineral claim surveys and of all plans of railways and provincial roads.

The part of the staff working on British Columbia surveys has now been brought from the Imperial building and their filing space consolidated with the furniture of the remainder of the staff in the head office.

In the early part of the year the staff is engaged upon the examination of the surveys of the preceding year. In the summer and autumn the surveyors' progress reports and the stadia surveyors' field notes and plots are received and examined to see that correct methods are being employed and satisfactory results are being obtained. Progress sketches to the number of 1,064 were examined and 8,757 miles of stadia surveys, comprising 204 field books and 1,159 plots, were examined and compiled upon township plans. As in former years, a number of stadia surveyors came into the office during the winter to assist with the preparation of the official township plans showing their work.

The township plans showing by which surveyor each monument was erected have proven their worth. This information has been placed on each of the 741 township plans and 52 miscellaneous plans compiled during the year.

Increased accuracy has been observed in the surveys performed under the new method of subdivision and recorded in the new field books specially designed for field

SESSIONAL PAPER No. 25a

use. Not only are the field notes more accurate, but information contained is much more complete and reliable. The topographical sketches now submitted by the surveyors on the new forms bid fair to become a most important source of information concerning the country being surveyed.

Our present practice of not showing the areas on our township plans for lands that have been patented has occasioned numerous requests from individuals, companies and municipalities for the areas according to the latest surveys of quarter-sections previously patented. The department having decided to furnish this information, the parties requesting it are informed how the areas would have been shown if the lands had still been Dominion lands at the date of the issue of the plan; including information furnished to other branches of the department, 247 sketches were prepared and 3,308 areas supplied.

The returns of survey of the boundary between Alberta and British Columbia for the season of 1916 were examined and the first part of the report of the Commissioners, including the operations from 1913 to 1916 inclusive, was revised and sent to the Printing Bureau for publication. It is expected that this report, together with the map atlas accompanying it, will be published during 1918.

Indexes were prepared for the albums of photographic views taken by Messrs. A. O. Wheeler, B.C.L.S., 1913-17; M. P. Bridgland, D.L.S., 1913, 1916, and 1917; and R. D. McCaw, B.C.L.S., 1913.

The compilation of group maps of the Yukon Territory was completed for practically all districts containing surveys. While surveying in the Yukon has practically ceased, there has been a marked increase in the number of mineral claim surveys in Manitoba. Returns for 166 claims outside of the Yukon were received, including 22 iron claims on the Belcher islands in Hudson bay and 14 claims in British Columbia.

The topography of 126 townships was prepared from the survey returns and furnished to the Calgary office in connection with levelling.

The number of provincial road plans has remained about the same as in former years, 540 plans having been examined, the combined mileage of which exceeded 1,000 miles.

The railway plans examined during the year also exceeded in mileage 1,000 miles. As several copies of many of the plans were submitted, the gross mileage was 2,142.

DRAFTING AND PRINTING DIVISION.

In other divisions returns of survey are examined and plans compiled. The work of the Drafting and Printing Division consists mainly in redrawing these plans for reproduction, special attention being paid to neatness, arrangement, lettering and general appearance. Type is coming more and more into use in copying, as it proves to be much quicker and gives more uniform results than hand lettering. Only in the case of the finest maps is hand lettering still employed.

Township Plans.

As in former years these constitute the great majority of the plans, 984 having been prepared for printing. Their preparation is thoroughly systematized and every means possible is used to lessen the work. Various printed forms are used showing roads, section numbers and quarter-section lines of the different systems of survey so that by adding numerical data, topography and descriptive matter the plan is soon prepared. Titles and foot-notes are printed on a small type press and attached to the plan by means of photographic dry mounting tissue.

Plans of Subdivisions, Settlements, Townsites, and Miscellaneous Surveys.

Eighty plans of this kind were prepared. Among them was a map of the central part of Jasper Park in six sheets, scale 1:62,500, or 1.014 inches to the mile with contour intervals of 100 feet and printed in four colours. This map of Jasper Park has also been printed on a single sheet on a reduced scale of 1:125,000 also in four colours. Sketch maps of the country adjacent to base lines run during the previous season and profiles of the lines are being prepared.

Miscellaneous Work.

One hundred and twenty-three miscellaneous jobs were done. These included a great variety of work as for example the illustrations for the preliminary and final editions of the Manual, several editions of the Astronomical Field Tables, maps to accompany orders in council, and a series of index maps for the Geographic Board. In addition 63 plans were mounted on linen for office use and 22 commissions and certificates were engrossed for the D.L.S. Board.

Storing and Distribution.

As the drafting room is convenient to the store-room, the distribution of sectional maps and other matter is undertaken by this division. The stock of sectional maps is checked monthly and a report of the stock sent to the Chief of the Sectional Map division for the purpose of reprinting before the stock runs too low. In the store-room also are kept old files of letters and papers not frequently called for, as there is not enough room to store them in the correspondence room. The giving out of these files is also undertaken by this division.

SECTIONAL MAP DIVISION.

The regular work of the office consists of:—

- (1) Compiling and drafting sectional maps.
- (2) Editing pamphlets of surveyors' reports.
- (3) Preparing sketch maps sent in by base line surveyors.

New editions of seventeen sectional maps were compiled and nine others are in hand. One new sheet, Dawson, No. 1052, covering the famous gold mining region in the Yukon Territory was compiled. The contouring of sectional maps, begun last year in the surveys office at Calgary, has been continued. When a new sheet has been compiled or an old one revised, a tracing and two prints are sent to the Calgary office. There contours are added to the tracing which is then returned, and after adjustment the contours are added to the finished sheet. Seventeen sheets were dealt with in this way.

The township reports received from surveyors for the year from April 1, 1916, to March 31, 1917, were prepared and printed in four pamphlets containing 134 pages. The preparation of reports for the year from April 1, 1917, to March 31, 1918, is now in hand.

Two sketch maps by base line surveyors, covering 308 miles of line run and 3,500 square miles of new country explored, were examined and afterwards coloured in such a way as to show the nature of the soil and the kinds and extent of the timber.

For some time it has been felt that something should be done to prevent duplication of the names of physical features and generally to secure suitable names in the new districts being opened up. When a district has been settled and names given by the settlers have found their way into maps, it is very difficult to make changes. The

SESSIONAL PAPER No. 25a

only way is to examine names as they appear in the surveyors' returns. This work has been taken up by this office and all plans, sketches, reports, and field notes sent in by surveyors are now carefully examined for new names of features. Names that are considered suitable and are not duplicates of names already in use are accepted and the surveyor is asked to give a reason in each case why such name has been used. If the names are objectionable either in themselves or by reason of duplication the surveyor is asked to suggest others. It is hoped in this way to secure suitable names for the chief features in a district and to avoid the use of objectionable names which is sure to occur if the naming of features is left to the incoming settlers. The returns examined in this connection consisted of 40 general reports, 277 plots, plans, and sketches, and 66 field-books.

SPECIAL SURVEYS DIVISION.

Base Line Surveys.

Instructions for base line surveys were drafted and the surveys and closings checked. On base line surveys made during recent years the surveyor has no check on his work after leaving his initial point until he reaches his objective, usually from 140 to 180 miles distant. He relies solely on his azimuth observations for maintaining the proper direction of his line. Of the base line surveys made during 1917, only two lines were closed between initial meridians. One of these, 143 miles long, surveyed from the Fifth to the Fourth meridian intersected the latter meridian only twelve feet from the post which formed the objective point. The other line, 180 miles long, portions of which had been surveyed previously, was closed westward on the Second meridian, the line intersecting the meridian only thirteen feet from the objective point. Much greater accuracy has been observed in the surveys of base lines and meridians made during recent years, due to improved instruments and more careful methods. In the bearings especially greater accuracy could hardly be expected. The accurate measurement of the lines is a more difficult problem and while there has been a great improvement in this respect there is still something to be desired.

The work of checking old base lines and meridians has been continued. Until the retracements on the ground are completed, an accurate report on this work cannot be made. The examination is based on latitude observations of precision, taken with a zenith telescope, and carefully connected. The results of the observations are given in Appendix No. 4.

Astronomical Work.

Azimuth Observations.—The astronomical observations for azimuth taken on the base lines surveyed since those published in the last annual report, have been examined and the results tabulated. The field-work appears of the same high degree of accuracy as that of the immediately preceding years, and does not seem to be susceptible of much improvement under the usual survey conditions. The accuracy obtained in the astronomical work of observing for azimuth on the survey of governing lines, is much greater than that obtained in the production of the line or in its linear measurement. In other words if the length of the line could be measured as accurately or with as much surety as the azimuth is determined little would remain to be desired in the chaining.

The one factor which more than any other has interfered with accurate production of the line in azimuth has been the nature of the ground surface. A firm unyielding surface is ideal, but where a large muskeg or mossy area extends over several ranges or townships an examination of the azimuth records will certainly show larger deflections in bearing than in ordinary woodland, although the observing itself is usually done with such care that the range between observations at a station does not alter to a noticeable extent.

Astronomical Field Tables.—The four sets of tables for the position of Polaris and the table giving the right ascension and declination of the sun were computed and printed as usual. Two of the former give the azimuth of Polaris for every twentieth township while the other two give it for every second degree of latitude up to 56°. The periods covered by these tables are:—

- October 7 to December 14, 1918.
- August 15 to October 7, 1919.
- June 2 to August 16, 1920.

and

- December 14, 1918 to March 7, 1919.
- March 8, 1920 to June 2, 1920.

Pamphlets explaining the use of these tables and giving specimen observations have been printed in English and in French.

Magnetic Surveys.

Thirty-nine surveyors were instructed to observe for magnetic declination, and during the surveys made by R. C. Purser, D.L.S., and E. S. Martindale, D.L.S., observations for magnetic dip and total force were taken at twenty-four stations. The instrumental constants of the dip circles as determined at Agincourt both at the beginning and end of the survey season show a probable error of less than 0.00010 c.g.s., in each case from the mean of at least six observations. At every station a complete observation for magnetic dip and total force, consisting of a dip, a total force, a dip, a total force, a dip, a total force and a dip, was taken. The average range was found to be comparatively small.

The index correction to the compass of every transit used for observing was determined both at the beginning and end of the survey season. If the change was small, the mean correction was used in the reduction of the observations. If a serious discrepancy was found between the two determinations it was investigated, and if the discrepancy could not be satisfactorily explained the observations taken with the instrument were rejected. The observations have been reduced by means of the continuous photographic records of the declinometer at Meanook, Alta.

Declination observations received for 1917..	1,306
Previous returns since 1908..	11,300
Total returns to date..	12,606
Dip observations received for 1917..	99
Previous returns since 1908..	599
Total returns to date..	698
" force observations received for 1917..	74
Previous returns since 1908..	437
Total returns to date..	511

Surveys Laboratory.

Complete tests were made of seven D.L.S., subdivision transits, twenty clinometers, and five aneroid barometers. Partial tests were made of one hundred subdivision transits and one level. Nine optical tests were made of transit telescopes and eye-pieces and adjustments made to four surveying cameras.

Fourteen sidereal watches were submitted for trial and passed through complete tests in accordance with the Bureau of Standards method for a Class A certificate. Four out of the fourteen, that is 29 per cent, passed the test.

Ninety-six stadia cards were computed, printed, and issued to the surveyors.

At the Comparator building, the lengths and weights of twenty-four tapes of all kinds were determined and comparisons made of four standard scales and five office

SESSIONAL PAPER No. 25a

scales. Fifteen inter-comparisons of the laboratory standards and three hundred and fifty comparisons of the standards with the base were made.

The comparator base was verified fifty-five times by the standard four-metre rule. The work done at the Surveys Laboratory is given in more detail on page 32.

Surveying Instruments.

Repairs were made to sixty-two transit theodolites, forty-five levels, forty-eight stadia rods, six precise level rods, three surveying aneroids, twelve surveying cameras, seven instrument cases, two kodaks, thirty-two tripods, and ten miscellaneous instruments.

Eleven sidereal watches were overhauled and readjusted.

In connection with the inspection of instruments and outfitting of the surveyors, 275 cases aggregating 7½ tons (15,215 pounds) were shipped from this office and 195 cases aggregating 5 tons (10,450 pounds) received.

A statement of instruments on hand on March 31, 1918, showing also the instruments purchased and sold during the year is given in appendix No. 6.

General Work.

The 450 courses of the retracement made by R. B. McKay, D.L.S., of about 100 miles of the Canadian Pacific Railway traverse were reduced to latitudes and departures, and the errors between the posts tied to were thus computed. A table of the errors in position of these posts was then prepared, the ties to the triangulation stations being used to control the results. Formerly the errors of only a few posts which had been tied to triangulation stations were known, and the results of this survey have confirmed those ties and have shown at what points the errors occurred. Difficulties over the latitudes and longitudes of the interprovincial boundary sheets near the railway and over the positions of monuments in the railway belt itself can now be solved.

PHOTOGRAPHIC DIVISION.

The staff consists of general photographers, and process photographers.

The photographs taken by surveyors in the field to illustrate their reports were developed, printed and indexed by the general photographers. They also developed the plates for the photographic surveys and made the enlargements required for plotting the plans.

About one-half of the time of the process photographers was spent in making wet-plate negatives of plans and maps for reproduction and preparing the zinc plates for lithography. During the other half of the time they were engaged on work for the plotting and drafting branches, such as the reduction of the enlargement of plans, copying photographs, etc.

Considerable work has also been done for other branches of the department, for the Printing Bureau, and for other departments.

Below is a summary of the work:—

Dry plates and films.	1,577
Bromide prints.	2,148
Velox prints.	3,634
Vandyke prints.	176
Blue-prints.	375
Lantern slides.	92
Photographs mounted.	1,679
Wet plate negatives.	2,124
Photo-litho plates.	709
Total.	12,514

LITHOGRAPHIC DIVISION.

This division was organized thirty-seven years ago for the purpose of printing township plans and sectional maps. The peculiarity of this work is that the editions are very small, seldom exceeding two or three hundred, while the number of plans and maps is very large. It was found that commercial firms were not equipped for doing this kind of work and that the delays in getting the plans printed were extremely inconvenient. Land cannot be opened for entry until the official plan of the township is issued; it can readily be understood that any delay in printing the plan interferes seriously with settlement.

Advantage is taken of the existence of the Lithographic Division for printing the numerous forms used on the surveys and at the head office, the skeleton plans to be inked by draftsmen, the township index, a few topographical or other maps, and general lithographic work for other branches or departments, but the main purpose of the division is to print township plans and sectional maps. The relative importance of the various classes of lithographing is shown by the value, at Printing Bureau rates, of the work for the fiscal year:—

1,036 township plans.	\$35,506 90
66 sectional maps.	5,344 11
173 sundry lithographic jobs.	20,590 46
	<u>\$61,441 47</u>

In the above estimate, paper is put in at cost, \$5,041.70. Paper had at the time increased 50 per cent and would have been charged at the increased price had the work been given out to the trade.

The actual cost to the Government, taking into account rent of buildings, power and light, heating, cleaning, firemen, caretaker, interest on plant, depreciation and fire insurance, is as follows:—

Process photographers.	\$ 7,212 92
Lithographers.	23,922 77
Total cost.	<u>\$31,135 69</u>
Value of work at Printing Bureau rates.	61,441 47
Profit.	<u>\$30,305 78</u>

It is thus seen that the cost is about one-half of what would have been paid if the work had been given out at Printing Bureau rates. It might be thought that the Bureau rates are excessive, but such is not the case. Careful inquiry has established the fact that they allow no more than a fair margin of profit. The explanation of the results obtained is to be found in the perfection of our equipment and the efficiency of our organization.

CHIEF INSPECTOR OF SURVEYS.

The staff of the Chief Inspector of Surveys has been engaged in collecting information on the districts and townships suitable for the settlement of returned soldiers. An examination was made of the survey records in the department; information was collected from the different surveyors, maps, reports, etc., and it was furnished to the Soldiers Settlement Board to assist in placing returned soldiers on the land.

BOARD OF EXAMINERS FOR DOMINION LAND SURVEYORS.

The Board of Examiners for Dominion Land Surveyors held three meetings. The first was a special meeting lasting from April 30 to May 25 (inclusive), 1917, during which examinations were held at Ottawa and Calgary. The second was another special meeting which took place on October 19, 1917. The third was the regular annual

SESSIONAL PAPER No. 25a

meeting called for by section 9 of the Dominion Lands Surveys Act. It began on Monday, February 11, 1918 and lasted until March 13, 1918. During this meeting examinations were held at Ottawa and Calgary. The total number of candidates for examination was 54. Of these 39 tried the preliminary examination and 15 tried the final examination.

Eight candidates were successful at the preliminary examinations as follows:—

Preliminary Examination.

1. Adams, Albert Oliver, Ottawa, Ontario.
2. Ahern, Philip Charles, Ottawa, Ontario.
3. Ingersoll, John Nelson, Ottawa, Ontario.
4. Markham, Edwin, Regina, Saskatchewan.
5. Salton, George H., Ottawa, Ontario.
6. Spratt, Maynard J., Ottawa, Ontario.
7. Webster, R. C. Peter, Ottawa, Ontario.
8. Whittaker, David, Beaver Mines, Alberta.

Eleven candidates were successful at the final examination as follows:—

Final Examination.

1. Dunn, Thomas Hamilton, Ottawa, Ontario.
2. French, Merritt Henry, Calgary, Alberta.
3. Harris, Ley Edwards, Calgary, Alberta.
4. Howe, John Parnell, Pembroke, Ontario.
5. Lyon, John Edward, Ottawa, Ontario.
6. Ney, Cecil Herman, Toronto, Ontario.
7. Patterson, John Herbert, Kinosota, Manitoba.
8. Prinsep, Garnet T., Ottawa, Ontario.
9. Read, Hiram Earl, Edmonton, Alberta.
10. Wing, Daniel Oscar, Montreal, P.Q.
11. Wright, James Goldwin, Valleyfield, P.Q.

The time of the board during the meetings, was largely taken up with the reading and valuation of the candidates' answer-papers. Complete sets of question papers, to be used at the next examination, were also prepared. In addition to this the evidence submitted by candidates at the final examination, in proof of their eligibility therefor, had to be examined. This evidence consisted of certificates of Provincial land surveyors and of affidavits of service under articles of apprenticeship.

The board had to consider several applications from college and university graduates asking to be admitted to the privileges of section 22 of the Surveys Act, which provides for a shorter term of service under articles.

Eleven commissions were issued to candidates who had passed the final examination and had furnished oaths of office and allegiance and bonds for the sum of one thousand dollars, as required by section 25, of the Dominion Lands Surveys Act.

Ten certificates of preliminary examination were issued to successful candidates who had complied with the requirements of the law.

Section 35 of the Dominion Lands Surveys Act provides that every Dominion land surveyor shall be in possession of a subsidiary standard length. Nine new standards were issued to surveyors and two measure which had previously been supplied were tested by the department.

It was represented by a large number of Dominion land surveyors that it was very inconvenient for them to take the D.T.S. examination which has heretofore been held annually in February as in a great many cases the review of the work had to be done after the completion of the regular season in the field which afforded them little time for preparation.

Under the circumstances the Board of Examiners have deemed it advisable to postpone the D.T.S. examination to the date of the special sitting of the Board which is held every spring, usually early in May.

The Board of Examiners passed a resolution to the effect that during the continuance of the war, the fees connected with the examination and payable to the secretary, shall not be exacted from returned soldiers or from any person who has attempted to enlist but has been rejected for physical reasons.

SURVEYS LABORATORY.

The work at the laboratory during the year has continued to be affected by conditions arising out of the war. Regular routine testing work has been the main occupation of the staff, with such special investigations and research as the reduced numbers and other conditions would permit. As in the past, lack of space has been a serious handicap in the carrying on of certain branches of the work and this becomes more acute year by year. The following is a brief outline of the work accomplished.

Metrology.—In accordance with the policy of obtaining data relative to the permanency of the laboratory standard tapes and the variation of the base, the regular weekly base determinations and standard tape comparisons have been continued throughout the year. Three holes have been drilled in the concrete monolith one at the centre and the others at about 8^m and 24^m from the zero end. Thermometers, placed in these holes enable the temperature of the monolith to be observed. This additional information should enable the degree of relationship between the length of the base and its temperature to be established.

In comparing the 4^m rule with the one metre standard, it is necessary to apply a small correction to the sum of the lengths of the four single metres, owing to the natural flexure of the 4^m rule, and also a slight curvature in the horizontal plane. The correction was computed from the measurements of the relative inclinations of the four one-metre chords of the 4^m rule, made optically by utilizing two collimators.

New bench-marks have been installed on the piers of the comparator base. The graduations on these are very fine, and the rulings being spaced at only 0.1^{mm} apart, the accurate determinations of tape lengths by direct estimation of the interval between the tape and bench-mark graduations are greatly facilitated.

New thermometer-supporting guards of neat design have been installed along the track of the base. These, while affording ample protection to the thermometers, hold them close to the tape under test. A further improvement has been effected in the provision of sliding suspension racks for the standard tapes. These permit of the tapes being easily handled when the racks are lowered, while at other times they are raised so that the hanging tapes will not hamper the movement of the workers.

Transits, Levels, etc.—The usual volume of regular tests and inspections has been carried out.

In this section a large number of telescopes are tested annually. It is desirable that telescopes of various sizes and powers may be classified in such a manner that will show at once the performance to be expected. Several different methods of test are used elsewhere, but as far as known none of these is entirely suitable for the class of work undertaken by the laboratory. A series of investigations and experimental work with the object of determining such a standard have recently been completed. The results of these investigations were successful in that the laboratory now has a method of testing telescopes suitable for surveying instruments and other purposes. A separate pamphlet, "Bulletin No. 41—Tests of Small Telescopes at the Laboratory of the Dominion Lands Surveys," has been published describing the method and also the investigations which led up to its development.

Thermometers.—Besides the usual ice point determination for the "verre dur" thermometers, used in the metrological building, these thermometers were intercompared among themselves, and with a standard thermometer recently tested by the Bureau of Standards, Washington. The comparisons which were made in the thermometer comparator confirmed the corrections originally found for these thermometers at the National Physical Laboratory.

Aneroids.—Aneroids are now regularly tested by the methods followed by the Bureau of Standards. Some investigations have been commenced which it is hoped

SESSIONAL PAPER No. 25a

will show whether any improvement can be made in the test, principally having in mind the class of work for which the aneroids tested at the laboratory are to be used.

Watches.—Fourteen watches passed through the Surveys Laboratory test which is similar to that of the Bureau of Standards for a Class A certificate. Four, that is 29 per cent, passed the test.

The results of the trials of the watches which passed are tabulated below.

Results of Watch Tests.

(Bureau of Standards Method.)

Passed.

Name.	Maximum values allowable.	Waltham Watch Co.				Means.
		T.S. 802 D.r., g.b., l.e., s.o.	18028596 D.r., g.b., l.e., s.o.	18028568 D.r., g.b., l.e., s.o.	18028542 D.r., g.b., l.e., s.o.	
Number of watch.....						
Escapement, balance spring, etc.....						
Mean deviation of daily rate.....	0s 75	0 38	0 50	0 38	0 48	0 43
Mean of daily rates for each pair of position tests.....		+4 56	+3 57	+0 85	-0 08	2 26
Deviation for change of position.....	3s 0	1 58	1 20	2 16	2 28	1 80
Maximum difference between mean rates of position tests.....	10s 0	5 74	4 40	9 44	7 55	6 78
Difference between mean rates of P.U. and D.U. positions.....	5s 0	1 80	0 98	3 72	2 92	2 35
Difference between mean rates of D.U. and D.D. positions.....	4s 0	0 60	0 01	0 77	0 74	0 53
Progressive change of rate for position tests.....	3s 0	+0 47	+0 32	-0 48	+0 65	0 48
Recovery of rate.....	6s 0	+0 30	-0 16	-1 57	+4 93	1 74
Change of r. per 1° C.—						
A						
4:4-18:3.....		-0 14	-0 18	-0 26	-0 09	0 17
B						
4:4-32:2.....	0s 20	0 00	-0 05	-0 13	+0 05	0 06
Algebraic difference between A and B.....	0s 3	0 14	0 14	0 14	0 14	0 14
Isochronism error.....	3s 0	+1 3	+0 2	+0 9	+1 0	0 8
Relative performance.....		60.0 p.c.	56 7	44 8	38 3	

D.r. = Double roller; g.b. = Going barrel.

l.e. = Lever escapement; s.o. = Single overcoil.

P.U. = Pendant up; D.U. = Dial up; D.D. = Dial down.

For the four watches which passed the test, the average variation of daily rate for the position and temperature tests were as follows:—

Position Tests.					Temperature Tests.		
P. U. 90 F. 0s. 39	P. R. 90 F. 0s. 65	P. L. 90 F. 0s. 60	D. U. 90 F. 0s. 35	D. D. 90 F. 0s. 38	D. U. 40 F. 0s. 30	D. U. 65 F. 0s. 40	D. U. 90 F. 0s. 24

The smallest mean deviation of daily rate was 0s.38, as compared with 0s.23 in 1916 and 1917.

The average errors for position were:—

P.U.	P.R.	P.L.	D.U.	D.D.
2s.48	3s.15	2s.55	0s.35	0s.47

The smallest mean deviation for changes of position was 1s.20, as compared with 0s.66 in 1917 and 0s.75 in 1916.

Comparing the average errors with those for 1916 and 1917 we have the following:—

	1916.	1917.	1918
Average mean deviation of daily rate.....	s. 0.49	s. 0.36	s. 0.43
“ “ “ for change of position.....	2.08	1.79	1.80
“ change of daily rate per degree centigrade.....	0.09	0.09	0.06

The average isochronism error for the four watches passing test was 0s.8, and the average marks obtained 50.0; the highest 60.0.

Of the watches which failed, two, or 20 per cent failed in position only; one, or 10 per cent failed in temperature correction only, and one, or 10 per cent, in deviation of daily rate only. The remaining six, or 60 per cent, failed to pass more than one tolerance. Of the latter, four, or 40 per cent of the total failures, failed in both position and temperature correction.

SESSIONAL PAPER No. 25a

APPENDIX No. 1.

AREA OF SURVEYED LAND IN MANITOBA, SASKATCHEWAN, AND ALBERTA.

Period.	Acres.	Number of Farms of 160 Acres each.
Previous to June, 1873.....	4,792,292	29,952
1874.....	4,237,864	26,487
1875.....	665,000	4,156
1876.....	420,507	2,628
1877.....	231,691	1,448
1878.....	306,936	1,918
1879.....	1,130,482	7,066
1880.....	4,472,000	27,950
1881.....	8,147,000	50,919
1882.....	10,186,000	63,662
1883.....	27,234,000	170,212
1884.....	6,435,000	40,218
1885.....	391,680	2,448
1886.....	1,379,010	8,620
1887.....	643,710	4,023
1888.....	1,131,840	7,074
1889.....	516,968	3,231
1890.....	817,075	5,106
1891.....	76,560	476
1892.....	1,395,200	8,720
1893.....	2,928,640	18,304
1894.....	300,240	1,876
1895.....	406,240	2,539
1896.....	506,560	3,166
1897.....	428,640	2,679
1898.....	859,840	5,374
1899.....	1,022,720	6,392
1900 (first 6 months).....	735,480	4,596
1900-1901.....	1,603,680	10,023
1901-1902.....	2,553,120	15,957
1902-1903.....	6,173,440	38,584
1903-1904.....	12,709,600	79,435
1904-1905.....	10,671,520	66,697
1905-1906.....	4,973,920	31,087
1906-1907 (9 months).....	3,819,700	23,873
1907-1908.....	6,123,040	38,269
1908-1909.....	7,412,870	46,330
1909-1910.....	7,423,200	46,395
1910-1911.....	5,683,200	35,520
1911-1912.....	5,146,080	32,163
1912-1913.....	5,155,520	32,222
1913-1914.....	5,193,280	32,458
1914-1915.....	4,484,960	28,031
1915-1916.....	3,112,640	19,454
1916-1917.....	2,221,280	13,883
1917-1918.....	1,323,360	8,271
	177,583,585	1,109,892

APPENDIX No. 2.

SCHEDULE of Surveyors employed and work executed by them.

Akins, J. R., St. Catharines, Ont.—

Survey of the 28th base line between the Fourth and Fifth meridians.

Bennett, G. A., Tillsonburg, Ont.—

Stadia surveys in tps. 29 and 30-9-3; tps. 29 and 30-10-3; tps. 29 and 30-11-3; tps. 23 to 30-12-3; tps. 23 to 28-13-3; tps. 21 to 30-14-3; tps. 21 to 29-15-3; tps. 21 to 30-16-3; tps. 17, 18, and 22 to 30-17-3; tps. 17, and 23 to 26-18-3; tps. 16, 17, 19, 20, 21, and 23 to 26-19-3; tps. 16 to 26-20-3; tps. 16 to 26-21-3; tps. 21 to 26-22-3; tps. 21 to 26-23-3; tps. 17 to 26-24-3; tps. 18 to 26-25-3; tps. 18 to 26-26-3; tp. 18 to 23-27-3; tps. 18 to 23-28-3; tps. 17 to 23-29-3; tp. 18-30-3; tp. 22-1-4.

Blanchet, G. H., Ottawa, Ont.—

Survey of the 21st base line across ranges 17 to 26; the 22nd base line across ranges 18 to 26; and the 23rd base line across ranges 20 to 26, all west of the Third meridian. Survey of part of north outlines of tp. 80-16-3; tp. 84-17-3; tp. 88-19-3.

Boulton, W. J., Wallaceburg, Ont.—

Stadia surveys in tps. 8 to 14-22-4; tps. 8 to 14-23-4; tps. 8 to 14-24-4; tps. 8 to 14, 18, 20, 21, and 22-25-4; tps. 8 to 14, 20, and 21-26-4; tps. 9 to 14, 19, 20, and 21-27-4; tps. 9 to 12, and 19-28-4.

Bridgland, M. P., Calgary, Alta.—

Photo-topographical surveys in Bow River forest reserve.

Brenot, L., Ottawa, Ont.—

Partial subdivision of tps. 85 and 86-18-6; tps. 85 and 86-19-6; and tps. 84, 85 and 86-20-6.

Buchanan, J. A., Edmonton, Alta.—

Subdivision of tps. 91 and 93-22-5; tp. 90-23-5; tp. 92-24-5. Partial subdivision of tps. 89, 91 and 94-23-5; tps. 89 and 93-24-5.

Calder, J. A., Lytton, B.C.—

Subdivision in tps. 20 and 21-24-6; tp. 6-25-6; tps. 21 and 22-26-6; tp. 21-27-6; tps. 3 and 4-28-6; tp. 3-3-7; and tp. 18 E.C.M. Retracement in tps. 20 and 21-24-6; tp. 6-25-6; tps. 21 and 22-26-6; tp. 21-27-6; tp. 3-28-6; and tp. 18 E.C.M. Traverse in tp. 6-25-6; tp. 21-27-6; tp. 21-26-6; tp. 3-3-7; and tp. 18 E.C.M.

Christie, W., Prince Albert, Sask.—

Subdivision of tps. 55 and 56-24-2; tps. 55 and 56-25-2; tp. 56-26-2. Partial subdivision of tp. 54-24-2; tp. 54-25-2.

Cote, J. M., Ottawa, Ont.—

Resurvey of tp. 20-11-3; tps. 20 and 21-12-3; tps. 20, 21 and 22-13-3; tp. 21-14-3. Part resurvey of tp. 43-2-3; tp. 43-3-3; tp. 19-12-3; tp. 19-13-3; tp. 22-14-3. Traverse of Connell and Harehill creeks in tps. 48 and 49-10-2.

Cowper, G. C., Welland, Ont.—

Stadia surveys in tps. 1 to 4-1-3; tps. 1 to 4-2-3; tps. 1 to 4-3-3; tps. 1 to 6-4-3; tps. 1 to 6-5-3; tps. 1 to 6-6-3; tps. 1 to 6-7-3; tps. 1 to 10-8-3; tps. 1 to 10-9-3; tps. 1 to 10-10-3; tps. 1 to 10-11-3; tps. 1 to 10, 12-3; tps. 1 to 10-13-3; tps. 1 to 10-14-3; tps. 1 to 10-15-3; tps. 1 to 10-16-3; tps. 1 to 10-17-3; tps. 1 to 9-18-3; tps. 1 to 7-19-3; tps. 1 to 6-20-3; tps. 3, 4, 5 and 7 to 10-21-3; tps. 7 to 10-22-3; tps. 9 and 10-23-3; tp. 10-24-3.

Davies, T. A., Edmonton, Alta.—

Stadia surveys in tps. 45, 52, and 53-1-4; tps. 45, 52 and 53-2-4; tps. 45 and 46-3-4; tps. 43, and 46 to 53-4-4; tps. 41, 42, and 47 to 53-5-4; tps. 45 to 53-6-4; tps. 45, 46, and 48 to 53-7-4; tps. 44, 45, and 48 to 52-8-4; tps. 43 and 48 to 51-9-4.

Deans, W. J., Brandon, Man.—

Subdivision of the dried-up bed of Shoal lake; traverse of the lake and retracement in tps. 15 and 16-1-Pr; tps. 15, 16, and 17-2-Pr; and tp. 19-3-Pr. Subdivision of the dried-up bed of Whitewater lake and retracement in tps. 3, 4, and 5-21-Pr; and tps. 3, and 4-22-Pr. Resurvey in tp. 1-13-E, and tp. 18-1-Pr. Survey of lot at Bull head point in tp. 30-6-E.

SESSIONAL PAPER No. 25a

Evans, S. L., Corinth, Ont.—

Resurvey in tp. 26-23-2; tps. 47 and 48-1-3; tp. 34-5-3; tp. 50-17-3. Restoration survey in tp. 49-5-3; tp. 43-7-3; tp. 48-8-3; tp. 46-22-3. Retracement in tp. 28-19-2; tp. 24-21-2; tp. 39-22-2; tp. 27-23-2; tps. 43, 44, and 49-26-2; tp. 32-4-3; tp. 33-5-3; tp. 48-7-3; tp. 46-16-3; tp. 50-18-3; tp. 47-19-3; tp. 45-21-3; tp. 49-22-3; tp. 46-23-3. Correction survey in tp. 51-1-3; tp. 31-2-3; tp. 33-6-3; tp. 44-7-3; tp. 44-8-3; tp. 49-15-3; tp. 47-16-3; tp. 49-17-3; tp. 29-20-4. Traverse in tp. 51-27-2; tp. 42-15-3. Survey of school site in tp. 30-17-3.

Fawcett, S. D., Ottawa, Ont.—

Subdivision of tp. 81-13-6. Part subdivision of tp. 82-13-6; tps. 81 and 82-14-6; tps. 81 and 82-15-6; tps. 81 and 82-16-6; tp. 78-19-6. Retracement in tp. 79-16-6; tp. 79-17-6.

Fontaine, L. E., Levis, Que.—

Correction surveys in tp. 87-13-4; tp. 87-14-4; tps. 81 to 84-16-4; tps. 80 to 86-17-4; tp. 92-22-5; tps. 91 to 93-23-5; tp. 93-24-5; tp. 89-25-5; east outlines of tp. 90-25-5 and tp. 90-26-5. Correction of lot monuments in Pelican settlement. Traverse in tps. 85 and 86-16-4.

Galletly, J. S., Oshawa, Ont.—

Subdivision in tp. 61-29-Pr; tp. 61-30-Pr; tp. 54-31-Pr; tps. 53 and 54-1-2; tps. 53 and 54-2-2; tp. 53-3-2; tps. 52 and 53-4-2; tp. 52-5-2; tps. 52 and 53-6-2. Survey of Lot 7 in tp. 56-26-Pr., and of Sturgeon settlement in tp. 61-30-Pr.

Glover, A. E., Edmonton, Alta.—

Surveys in tp. 55-8-4; tp. 47-8-5; tp. 77-24-5. Traverse in tp. 63-2-4; tp. 56-9-4; tps. 58 and 61-10-4. Retracement surveys in tp. 44-28-3; tp. 42-1-4; tps. 42 and 56-3-4; tp. 37-5-4; tp. 39-6-4; tp. 39-7-4; tp. 38-8-4; tp. 57-18-4; tp. 45-22-4; tp. 53-25-4; tps. 35, 37 and 45-28-4; tp. 58-6-5; tp. 83-5-6; tp. 83-6-6. Correction survey in tps. 37, and 38-28-3; tp. 62-1-4; tp. 44-15-4; tp. 80-26-4; tp. 62-27-4; tp. 71-1-5; tps. 69 and 70-20-5; tp. 69-22-5; tp. 80-1-6; tps. 70, 71, and 74-12-6.

Jackson, J. E., Hamilton, Ont.—

Subdivision of tps. 36 and 37-5-Pr; tp. 36-6-Pr; tp. 36-7-Pr; tp. 36-8-Pr. Part subdivision of tp. 35-5-Pr; tps. 35 and 37-6-Pr; tps. 33, 34, and 35-7-Pr.

Johnston, J. H., Peace River, Alta.—

Subdivision of tps. 69 and 70-1-6; tps. 69, 70, and 71-2-6. Part subdivision of tp. 71-1-6; tps. 69, 70, and 71-3-6. Part resurvey of the N. by tp. 70-4-6.

Johnston, W. J., St. Catharines, Ont.—

Subdivision in tps. 20 and 21-11-6. tps. 17 to 20-12-6; and tps. 18 to 22-13-6. Retracement in tp. 21-11-6; tps. 18, 19, and 20-12-6; and tps. 19 and 21-13-6.

King, J. A. S., Ottawa, Ont.—

Stadia surveys in tp. 38-19-3; tps. 37, 38, and 40 to 44-21-3; tps. 37 to 44-22-3; tps. 37 to 44-23-3; tps. 37 to 44-24-3; tps. 37 to 44-25-3; tps. 42 to 44-26-3; tps. 43 to 45-27-3; tps. 42 to 44-28-3.

Knight, R. H., Edmonton, Alta.—

Subdivision of tps. 85 and 86-6-4. Part subdivision of tps. 87 and 88-6-4; tps. 86 to 89-7-4; tps. 85 to 87-8-4.

LeBlanc, P. M. H., Ottawa, Ont.—

Stadia surveys in tp. 48-15-2; tps. 42 to 50-16-2; tps. 42 to 50-17-2; tps. 46 to 48-18-2; tps. 46 to 48-19-2; tp. 48-20-2; tps. 47 and 48-21-2; tps. 47 and 48-22-2; tps. 45 to 48-23-2; tps. 45, 46, and 47a-24-2; tp. 48-24a-2; tps. 44, 46a, and 47a-25-2; tps. 44, 45, 45a, and 46a-26-2; tps. 44, 45a, and 46a-27-2.

Lighthall, A., Vancouver, B.C.—

Subdivision of tp. 73-1-6; tps. 73 to 76-2-6. Part subdivision of tp. 74-3-6.

Lonergan, G. J., Buckingham, Que.—

Inspection of subdivision parties under W. J. Deans, D.L.S., and J.E. Jackson, D.L.S. Inspection of railway belt surveys under J. A. Calder, D.L.S., W. J. Johnston, D.L.S., N. C. Stewart, D.L.S., and C. H. Taggart, D.L.S. Inspection of stadia surveys under W. J. Boulton, D.L.S., G. C. Cowper, D.L.S., T. A. Davies, D.L.S., J. A. S. King, D.L.S., P. M. H. LeBlanc, D.L.S., P. J. McGarry, D.L.S., W. H. Norrish, D.L.S., C. Rinfret, D.L.S., H. M. R. Soars, D.L.S., and C. M. Walker, D.L.S. Inspection of miscellaneous surveys under J. M. Cote, D.L.S., S. L. Evans, D.L.S., L. E. Fontaine, D.L.S., and R. B. McKay, D.L.S.

Martindale, E. S., Aylmer, Ont.—

Survey in tp. 1-19-2; tp. 27-7-4; tp. 20-9-4. Retracement in tp. 14-8-2; tp. 18-15-2; tp. 26-27-2; tp. 26-28-2; tp. 14-5-3; tp. 25-9-3; tp. 25-10-3; tp. 11-18-3; tps. 13 and 23-1-4; tp. 17-5-4; tp. 17-6-4; tps. 10 and 11-19-4; tps. 8, 10, and 11-20-4; tps. 10 and 11-21-4; tp. 12-24-4. Correction survey in tp. 6-18-2; tp. 11-23-2; tp. 6-3-3; tps. 22 and 23-7-3; tp. 21-8-3; tp. 22-12-3; tp. 20-17-3; tp. 15-19-3; tps. 8 and 11-23-3; tp. 23-25-3; tp. 26-28-3; tp. 1-29-3; tps. 14 and 15-5-4; tp. 21-9-4. Resurvey in tp. 12-29-2. Establishment of monuments in tp. 10-5-3; tp. 22-8-3; tp. 13-23-3; tp. 5-29-3. Subdivision at Sandilands station in tp. 4-9-E. Survey of the townsite of Drumheller in tp. 29-20-4.

McEwen, D. F., Edmonton, Alta.—

Subdivision of tps. 61, 62, and 63-9-5; tps. 61 and 62-10-5. Part subdivision of tp. 64-9-5; tp. 61-11-5.

McGarry, P. J., Merritton, Ont.—

Stadia surveys in tps. 35 to 42, and 42a-1-3; tps. 36 to 42, and 43a-2-3; tps. 34 to 43, 43a, 44 and 45-3-3; tps. 35 to 46-4-3; tps. 39 to 46-5-3.

McKay, R. B., Vancouver, B.C.—

Traverse of Canadian Pacific railway right-of-way from Morley to Ottetail. Retracement of the 2nd base line across ranges 1 to 14 west of the Fourth meridian.

Norrish, W. H., Ottawa.—

Stadia surveys in tps. 40 and 41-19-4; tps. 39 to 42-20-4; tps. 40 to 42-21-4; tps. 40 to 43-22-4; tps. 41 to 43-23-4; tps. 41 to 43-24-4; tp. 42-25-4.

Narraway, A. M., Ottawa.—

Inspection of subdivision surveys under L. Brenot, D.L.S., J. A. Buchanan, D.L.S., W. Christie, D.L.S.; S. D. Fawcett, D.L.S., J. S. Galletly, D.L.S., J. E. Jackson, D.L.S., J. H. Johnston, D.L.S., R. H. Knight, D.L.S., A. Lighthall, D.L.S., L. A. Pierce, D.L.S., C. H. Taggart, D.L.S. Miscellaneous surveys under J. M. Cote, D.L.S.

Pierce, J. W., Pembroke, Ont.—

Subdivision of tps. 30 and 31-4-Pr; tp. 32-5-Pr. Part subdivision of tps. 30, 31 and 32-2-Pr; tps. 30, 31 and 22-3-Pr; tp. 32-4-Pr; tps. 30 and 31-5-Pr.

Plunkett, T. H., Meaford, Ont.—

Survey of the 17th base line across ranges 20 to 31 west of the Principal meridian, and of the east outlines of tps. 63 to 68-30-Pr. Resurvey of part of the east outline of tp. 61-30-Pr.

Purser, R. C., Ottawa, Ont.—

Surveys in tp. 65-2-Pr; tp. 65-3-Pr; tps. 24 and 25-4-Pr; tp. 24-5-Pr; tp. 23-8-Pr; tp. 23-9-Pr; tp. 22-10-Pr; tp. 18-18-Pr. Resurvey in tp. 1-13-E. Retracement in tp. 1-10-E; tp. 17-19-Pr. Correction survey in tp. 3-12-E; tp. 21-6-Pr; tp. 12-31-Pr; tp. 5-32-Pr; tp. 20-8-2; tp. 23-9-2; tps. 20 and 21-13-2, tps. 20 and 21-14-2. Traverse in tps. 24 and 25-4-Pr; tp. 14-6-Pr; tp. 21-5-Pr; tp. 23-8-Pr; tp. 23-9-Pr; tp. 22-10-Pr; tp. 18-18-Pr. Lot survey near Sandilands station in tp. 4-9-E. Survey of school site in tp. 29-21-Pr.

Rinfret, C., St. Stanislas, Que.—

Stadia surveys in tp. 13-23-Pr; tp. 13-34-Pr; tps. 9 to 14-5-2; tps. 9 to 14-6-2; tps. 8, 9, and 13, to 18-7-2; tps. 9 to 16-8-2; tps. 8 to 16-9-2; tps. 10, 15, and 17-10-2; tps. 15, 17 and 18-11-12; tps. 16 and 18-12-2; tps. 15 to 18-13-2. Investigation of water areas in tp. 13-22-Pr; tp. 9-4-2; tps. 8, and 12-5-2; tps. 8, 16, and 17-6-2; tps. 10 to 12-7-2; tps. 8, 17, and 18-8-2; tps. 17 and 18-9-2; tps. 9 and 18-10-2; tp. 17-12-2; tps. 17 and 18-14-2.

Soars, H. M. R., Edmonton, Alberta.—

Stadia surveys in tps. 55 to 58-15-4; tps. 56 and 58-16-4; tps. 56 to 58-17-4; tps. 55 and 56-18-4; tp. 56-19-4; tps. 55 to 58-20-4; tps. 55 to 58-21-4; tps. 55 to 57-22-4; tps. 55 to 58-23-4; tps. 55 to 57-24-4; tps. 55 to 57-25-4; tps. 55 to 57-26-4; tps. 54, 55, and 58-27-4; tp. 54-28-4; tps. 54 to 57-1-5; tps. 54 to 57-2-5; tps. 54 to 56-3-5; tps. 54 and 55-4-5. Investigation in tps. 55 and 57-16-4; tp. 57-17-4; tp. 54-18-4; tp. 55-19-4; tp. 58-22-4; tp. 58-24-4; tp. 58-25-4; tp. 58-26-4; tps. 56 and 57-27-4.

Stewart, N. C., Vancouver, B.C.—

Subdivision in tp. 28-22-5; tps. 21 and 22-1-6; tps. 22 and 23-2-6; tps. 22 and 23-4-6; tp. 23-5-6; tp. 23-6-6; tps. 21 and 22-7-6; and tps. 21 and 22-8-6. Retracement in tp. 22-1-6; tp. 22-2-6; tp. 23-5-6; tps. 21 and 22-7-6. Traverse in tps. 21 and 22-1-6; tps. 22 and 23-2-6; tps. 22 and 23-4-6; tp. 23-5-6; tp. 23-6-6; tps. 21 and 22-7-6; and tp. 22-8-6.

Taggart, C. H., Kamloops, B.C.—

Subdivision surveys in tp. 25-11-6; tps. 16, 17, and 18-14-6; tp. 20-15-6; tp. 18-16-6; and tp. 18-17-6. Retracement in tp. 25-11-6; tps. 17 and 18-14-6; tp. 20-15-6; and tps. 18, 20, and 21-16-6. Traverse in tp. 18-14-6; tp. 20-15-6; and tp. 18-16-6.

Walker, C. M., Ottawa, Ont.—

Stadia surveys in tps. 31 and 32-13-2; tps. 29 and 30-14-2; tps. 31-15-2; tp. 31-16-2; tps. 30 and 31-17-2; tps. 29 and 30-18-2; tps. 30 and 31-19-2; tps. 29 to 32 and 35 to 38-20-2; tps. 29 to 38-21-2; tps. 29 to 35, and 37-22-2; tps. 29 to 34 and 37-23-2; tps. 29 to 38-24-2; tp. 29-25-2. Investigation in tp. 30-13-2; tp. 31-14-2; tp. 31-18-2; tp. 29-19-2; tp. 33-20-2; tps. 30 and 31-25-2.

Wallace, J. N., Calgary, Alta.—

Lines of levels along Grand Trunk Pacific railway from Goodeve to Saskatoon, 172 miles; along Canadian Northern railway from Warman to Margo, 147 miles; along east outline of range 12 west of Fourth meridian from tp. 20 to tp. 55, 216 miles; a line from Ile à la Crosse to Methy lake, 87 miles. Total, 622 miles.

SESSIONAL PAPER No. 25a

APPENDIX No. 3.

SCHEDULE showing for each surveyor employed the number of miles surveyed of section lines, township outlines, traverses of lakes and rivers, and resurvey; also the cost of the same. Surveyors whose work cannot be reckoned in miles are omitted from the statement.

Surveyor.	Miles of Section Line.	Miles of Outline.	Miles of Traverse.	Miles of Resurvey.	Total Mileage.	Total Cost.	Cost per Mile.
Akins, J. R.		144			144	\$23,927	\$166 16
Bennett, G. A.			702	13	715	6,767	9 46
Blanchet, G. H.		182			182	21,810	119 84
Boulton, W. J.			1,140		1,140	6,027	6 08
Brenot, L.	282	45	23		350	17,460	49 89
Buchanan, J. A.	388	75	73		536	18,962	35 38
Calder, J. A.	91		8		99	9,932	100 32
Christie, W.	336	94	51		481	18,000	37 42
Cote, J. M.			15	565	580	14,551	25 09
Cowper, G. C.			684	12	696	6,441	9 25
Davies, T. A.			958		958	6,572	6 86
Deans, W. J.			107	167	274	7,045	25 71
Fawcett, S. D.	310	55	52	3	420	20,939	49 85
Galletly, J. S.	220	42	183		445	15,849	35 62
Jackson, J. E.	397	36	83		516	16,092	31 19
Johnston, J. H.	345	72	109	2	528	17,850	33 81
Johnston, W. J.	154		18		172	10,073	58 56
King, J. A. S.			697	9	706	6,693	9 48
Knight, R. H.	323	41	47		414	19,030	45 96
LeBlanc, P. M. H.			685	12	697	6,671	9 57
Lighthall, A.	331	58	64		453	18,188	40 15
McEwen, D. F.	332	76	34		442	17,666	39 96
McGarry, P. J.			585		585	5,749	9 83
McKay, R. B.			119	84	203	8,246	40 62
Norrissh, W. H.			733		733	7,216	9 84
Pierce, J. W.	377	84	36		497	18,595	37 41
Plunkett, T. H.		120		7	127	20,439	160 94
Rinfret, C.			479	64	543	6,826	12 57
Soars, H. M. R.			689		689	6,914	10 03
Stewart, N. C.	82		20		102	8,709	85 38
Taggart, C. H.	141		19		160	11,147	69 67
Walker, C. M.			867	1	868	6,725	7 75
	4,109	1,127	9,280	939	15,455	407,111	26 29

Final returns not all received. Total cost and amount of traverse are estimated.
Total cost includes depreciation of outfit.

APPENDIX No. 4.

LATITUDE OBSERVATIONS IN DOMINION LANDS SURVEYS SYSTEM.

Obs. Station referred to N.E. corner.	Date of Obs.	Number of Obs. and pairs.	Probable Error.	Observed Latitude reduced to section corner.	Correct Latitude of corner in D.L. System.	Diff. in seconds.	Position in D.L. System of corner by Obs.
Sec. Twp.				° ' "	° ' "		
24 71-1-5.....	1908	78 Obs. 45 pair	0-08	55 10 12-97	55 10 11-56	1-41	North 2-17 ch.
13 35-1-Pr.....	1911	89 Obs. 72 pair	0-05	52 01 05-61	52 00 48-33	17-28	North 26-55 "
36 48-1-Pr.....	1911	70 Obs. 63 pair	0-07	53 11 31-37	53 11 31-35	0-02	North 0-03 "
1 62-1-4.....	1911	68 Obs. 50 pair	0-06	54 20 27-03	54 20 27-93	0-90	South 1-38 "
12 89-1-4.....	1911	98 Obs. 82 pair	0-05	56 42 39-22	56 42 42-00	2-78	South 4-27 "
13 61-1-2.....	1912	77 Obs. 61 pair	0-06	54 16 59-36	54 16 59-17	0-19	North 0-29 "
13 57-1-3.....	1912	73 Obs. 50 pair	0-07	53 56 01-77	53 56 01-94	0-17	South 0-26 "
13 48-1-6.....	1912	96 Obs. 62 pair	0-06	53 08 56-22	53 08 52-26	3-96	North 6-08 "
13 24-1-5.....	1912	95 Obs. 58 pair	0-05	51 03 10-90	51 03 08-97	1-93	North 2-96 "
24 111-1-5.....	1914	96 Obs. 66 pair	0-05	58 39 34-07	58 39 34-73	0-66	South 1-01 "
1 115-1-4.....	1914	82 Obs. 67 pair	0-05	58 57 57-05	58 57 55-00	2-05	North 3-15 "
1 80-1-6.....	1914	110 Obs. 76 pair	0-05	55 54 43-13	55 54 41-17	1-96	North 3-01 "
36 88-1-6.....	1914	106 Obs. 79 pair	0-05	56 40 59-81	56 40 55-44	4-37	North 6-72 "
36 32-1-4.....	1915	111 Obs. 72 pair	0-03	51 47 40-45	51 47 41-19	0-74	South 1-14 "
36 32-1-3.....	1915	110 Obs. 70 pair	0-03	51 47 40-99	51 47 41-42	0-43	South 0-66 "
36 32-1-2.....	1915	111 Obs. 68 pair	0-03	51 47 44-10	51 47 41-64	2-46	North 3-78 "
36 16-7-E.....	1915	100 Obs. 69 pair	0-06	50 24 57-61	50 24 54-16	3-45	North 5-30 "
31 36-5-Pr.....	1915	115 Obs. 67 pair	0-04	52 08 40-25	52 08 39-54	0-71	North 1-09 "
33 28-5-E.....	1915	128 Obs. 80 pair	0-03	51 27 02-49	51 26 44-61	17-88	North 27-47 "
36 25-9-E.....	1915	123 Obs. 67 pair	0-03	51 11 05-65	51 11 01-43	4-22	North 6-48 "
332 60-21-Pr.....	1915	117 Obs. 76 pair	0-03	54 14 25-97	54 14 22-49	3-48	North 5-35 "
13 74-1-Pr.....	1915	113 Obs. 72 pair	0-03	55 25 04-84	55 25 04-55	0-29	North 0-45 "
12 68-1-3.....	1915	113 Obs. 69 pair	0-05	54 52 47-28	54 52 45-54	1-74	North 2-67 "

SESSIONAL PAPER No. 25a

APPENDIX No. 5.

DETAILS OF OFFICE WORK.

Sketches, maps, and tracings.....	3,962
Descriptions of irregular parcels of land.....	20
Returns of survey examined—	
Township subdivision.....	172
Township outline.....	166
Stadia plots.....	1,159
Townships investigated for water areas.....	759
Road and railway plans.....	701
Yukon lots and miscellaneous surveys.....	6
Mineral claims.....	166
Timber berths.....	5
Correction and other miscellaneous surveys.....	164
Preliminary township plans.....	100
Township and miscellaneous plans compiled.....	793
" " issued.....	1,036
Sectional maps issued (three miles to 1 inch)—	
New maps.....	4
Revised maps.....	10
Photographic work—	
Dry plates and films.....	1,577
Prints.....	6,333
Lantern slides.....	92
Wet plate negatives.....	2,124
Photo-litho plates.....	709

APPENDIX No. 6.

SURVEYING INSTRUMENTS ON HAND MARCH 31, 1918.

Instruments.	In Store April 1917.	Pur- chased.	Balance.			Remarks.
			Sold.	Loan.	Store.	
Abney levels.....	35		7	1	26	1 struck off
Alidades.....	1				1	
Altazimuths.....	1				1	
Aneroids.....	91			13	78	
Artificial horizons.....	4			1	3	
Base line apparatus.....	1				1	
Cameras and kodaks.....	18			5	13	
Chronometers and sidereal watches.....	54	4	3	4	51	
Compasses.....	34				34	
Current meters and logs.....	3				3	
Dip circles.....	2			1	1	
Field glasses and binoculars.....	6			4	2	
Levels.....	52			12	40	
Levelling rods.....	79	25		21	82	1 struck off
Micrometer telescopes.....	8				8	
Optical squares.....	1				1	
Pedometers.....	2			2		
Photo-theodolites.....	5				5	
Plane tables.....	1				1	
Protractors.....	77			16	56	5 struck off
Rod levels.....	20	2		2	18	2 "
Sextants and reflecting circles.....	3				3	
Solar compasses.....	2				2	
Stadia rods.....	34	3	9	2	25	1 struck off
Stadia slide rules.....	61			6	54	1 "
Steel tapes.....	138	59	26	9	151	11 "
Subsidiary standard measures.....	79		8		71	
Survey pickets.....	2				2	
Surveying cameras.....	4				4	
Tally registers.....	12				12	
Tape stretching apparatus.....	1				1	
Telemeters.....	1			1		
Thermometers.....	12	27	22	10	6	1 struck off
Transit theodolites.....	67		5	53	9	
Zenith telescopes.....	1				1	

ANADA

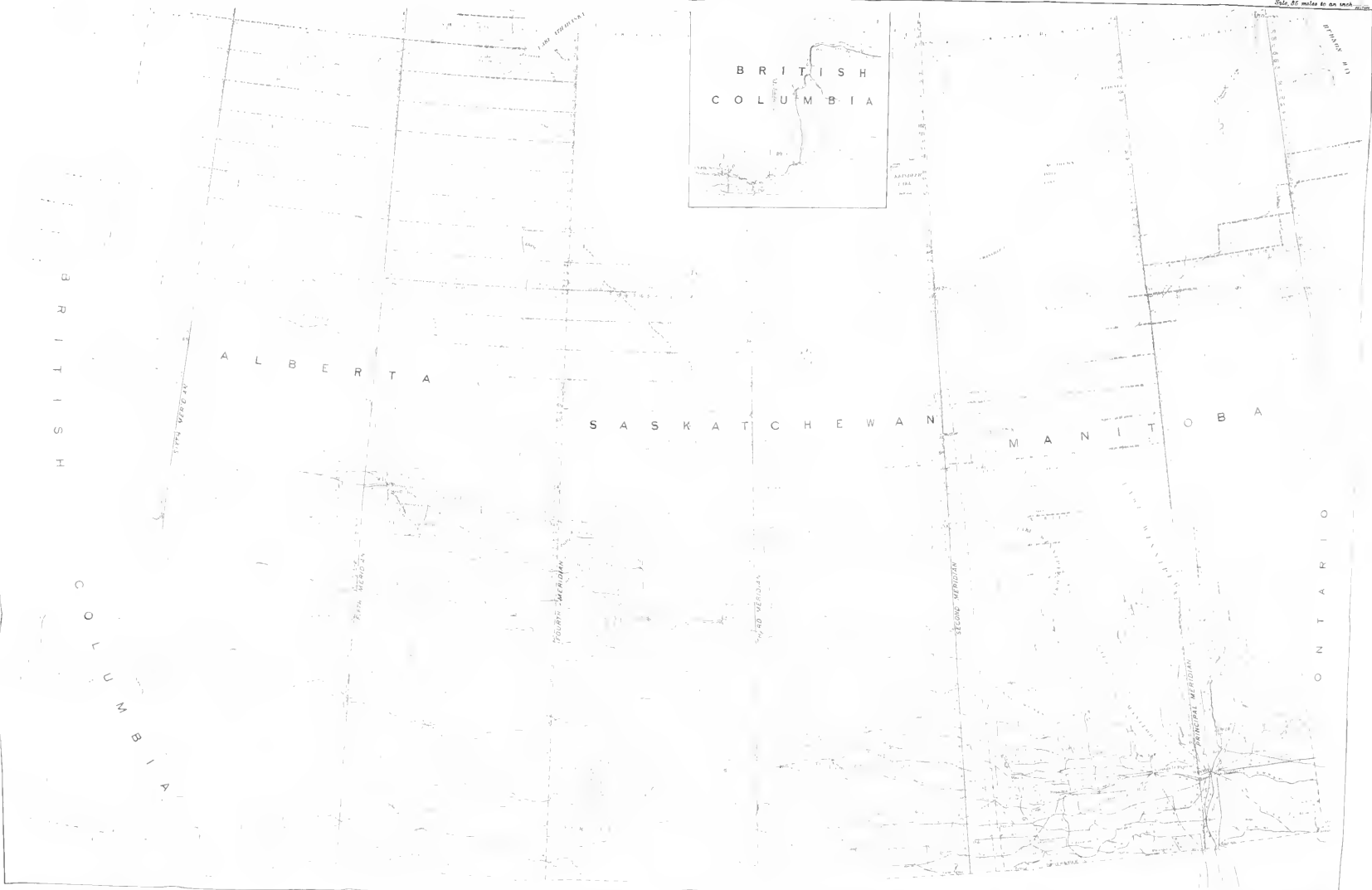
1917

INDEX TO TOWNSHIPS IN MANITOBA, SASKATCHEWAN, ALBERTA, AND BRITISH COLUMBIA

Annual report of the Topographical Survey Branch, Department of the Interior, 1917, 1918

To Illustrate Progress of Dominion Lands Surveys

Scale, 25 miles to an inch



Submits to survey (made) 1st March 1917
 Submits to survey (made) 1st March 1918
 Returns made in April 1917, March 1918

CAUTION - This is only an index, topographical and other features are not to be depended upon

Surveys to the Railway Belt in British Columbia
 Lines of survey made prior to March 31, 1918
 Base and meridian lines run prior to March 31, 1918
 The utility of such surveys is not known owing to their seasonal nature

SIXTEENTH REPORT

OF THE

GEOGRAPHIC BOARD OF CANADA

CONTAINING ALL DECISIONS FROM APRIL 1, 1917
TO MARCH 31, 1919

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

HON. ARTHUR MEIGHEN,
Minister of the Interior.

SIR,—I have the honour to submit the sixteenth report of the Geographic Board of Canada containing the decisions between April 1, 1917, and March 31, 1919. The report is a supplement to the fifteenth report issued in 1917, which contained all decisions from the inauguration of the Board to March 31, 1917.

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

E. DEVILLE,
Chairman of the Board.

CONTENTS.

	PAGE.
List of Members.....	5
Introduction.....	6
Bylaws.....	9
Rules of Nomenclature.....	11
Regulations.....	14
Decisions from April, 1917 to July, 1919.....	15
Nomenclature of mountains of Western Canada.....	33
Provisional Districts of Northwest Territories.....	35

MAPS.

Map to illustrate the nomenclature of the mountains of Western Canada..	33
Map of Canada showing limits of provisional districts.....	35

MEMBERS OF THE GEOGRAPHIC BOARD OF CANADA

Chairman

E. DEVILLE, LL.D., F.R.S.C., Surveyor General of Dominion Lands.

Executive Committee

D. B. DOWLING, B.A.Sc., F.R.S.C., Geologist, Geological Survey, Department of Mines.

C. O. SENÉCAL, C.E., B.A.Sc., Geographer and Chief Draughtsman, Geological Survey, Department of Mines.

JAMES WHITE, F.R.G.S., F.R.S.C., Assistant to Chairman, and Deputy Head, Commission of Conservation.

Members

Lieut.-Col. WM. P. ANDERSON, C.M.G., M. Inst. C.E., F.R.G.S., Chief Engineer, Department of Marine and Fisheries.

W. H. BOYD, Chief Topographer, Geological Survey, Department of Mines.

J. E. CHALFOUR, Chief Geographer, Department of the Interior.

Major J. B. COCHRANE, M. Inst. C.E., Assistant Director of Military Surveys, Militia Department.

A. G. DOUGHTY, C.M.G., Litt.D., Dominion Archivist and Deputy Head.

E. V. JOHNSON, M. Inst. C.E., Office Engineer, Department of Railways and Canals.

W. J. STEWART, M. Inst. C.E., Chief Hydrographer, Department of the Naval Service.

Provincial Representative Members

(Order in Council, December 14, 1899.)

Ontario—

L. V. RORKE, Director of Surveys, Department of Lands and Forests, Toronto, Ont.

Quebec—

EUGÈNE ROUILLARD, F.R.S.C., Quebec Geographic Board, Quebec, Que.

New Brunswick—

WM. S. CARTER, M.A., LL.D., Superintendent of Education, Fredericton, N.B.

Nova Scotia—

A. H. MACKAY, B.A., LL.D., F.R.S.C., Superintendent of Education, Halifax, N.S.

Prince Edward Island—

HON. M. MCKINNON, Provincial Secretary (ex-officio), Charlottetown, P.E.I.

British Columbia—

WM. FLEET ROBERTSON, B.A.Sc., Mining Engineer, Provincial Mineralogist, Victoria, B.C.

Alberta—

L. C. CHARLESWORTH, Deputy Minister of Public Works, Edmonton, Alta.

Saskatchewan—

JOHN WILLIAM MCLEOD, Clerk to the Executive Council, Regina.

Secretary

R. DOUGLAS, M.A., Department of the Interior.

INTRODUCTION

The Geographic Board was created by order in council of the 18th December, 1897. The order directs that all questions concerning geographic names in the Dominion which arise in the departments of the public service shall be referred to the board, and that all departments shall accept and use in their publications the names and orthography adopted by the Board. The Board was to consist of one member for each of the departments of the Geological Survey, Railways and Canals, Post Office and Marine and Fisheries, such members to be appointed by the ministers, of the surveyor general of Dominion lands, of such other members as might, from time to time, be appointed by order in council, and of a secretary. The Geological Survey, Railways and Canals, Militia and Defence, Marine and Fisheries, Naval Service, Archives and Interior departments, are actually represented on the Board; the place of the Post Office department is vacant.

Before the creation of the Board, no central authority existed over the geographic nomenclature of the Dominion; every explorer and map-maker adopted such names and spelling as appealed to him. Some travellers went so far as to change all the names given by previous explorers and to publish new names in the accounts of their travels, thus causing endless confusion. In other cases, foreign explorers visiting unknown parts of the Dominion would bestow names more or less objectionable to Canadians. The Board was formed to regulate the publications of the Dominion Government only; but it was soon recognized that the co-operation of the provinces was essential, and that they had a right to be consulted respecting names within their limits. Each province was accordingly invited by order in council of the 14th of December, 1899, to appoint a representative on the Board, and all the provinces, except Manitoba, are now represented. All names are submitted to the provincial representative concerned for advice and report, before being dealt with by the Board.

Authority of the Board Extended

As the Board consists of the experts on geographic matters in the service of the Dominion and Provincial governments, it was deemed advisable to utilize their special knowledge by extending the scope of their action. It was thought that their advice would be particularly valuable for the compilation of new maps, for avoiding duplications where good maps already existed, for the selection, unification, and improvement of scales, the uniformity of symbols and conventional signs, the representation of relief, the use of colours, the methods of reproduction and other cognate subjects. Authority was accordingly granted to the Board by order in council of the 24th of April, 1915, to investigate such geographic questions as might be submitted to it by departments of the public service and to advise upon the same.

Nomenclature Difficulties in Canada

Questions of geographical nomenclature present unusual difficulties in Canada on account of the existence of two official languages, English and French, and the resulting duplication of names. This duplication is frequent in Europe; for instance "London" and "Londres," "Ushant" and "Ouessant," "Cologne" and "Köln," "Brussels" and "Bruxelles," etc. In Canada, a few places have two distinct names, such as "Murray Bay" or "La Malbaie," but generally

SESSIONAL PAPER No. 25b

duplicate names are translations, such as *Trois-Rivières* or *Three Rivers*. Duplicate names are an unnecessary complication, to be avoided as much as possible. There would not be much duplication in Canada, were it not that the British Admiralty translated all the names on the river and gulf of St. Lawrence below Quebec. There are thus two sets of names; the French names used by the population of the land, and the English translation used by navigators. This is much to be regretted, but it has been an accomplished fact for so many years that the Board is powerless against it.

Value of Board's Records

The spelling of either English or French names does not usually present difficulties when the origin is known, but in many cases the original form has been so altered that it can only be determined by careful research. Some of the corruptions are so firmly established that it is impossible to restore the original forms. While no attempt has yet been made to publish all the data obtained relative to place names, the records of the Board are becoming of greater value yearly to the student of Canadian history and geography, and it is hoped that the report may become a reference for other information than the mere orthography of the names. With regard to the spelling of Indian names, there is a kind of international usage. The British and the French rules are fortunately so much alike that their adoption and application throughout Canada was not open to question.

Apart from the above, the rules of nomenclature formulated by the Board are such as are dictated by convenience, common sense, and the amenities of language; for instance, a name formed by the combination of an English with a French or an Indian word is objectionable.

Bylaws Amended

There is a class of names over which the Board appears to have little control; they are those found in statutes, proclamations and other official acts of the provinces; it is evident that the Board cannot change the name of a county or of an incorporated town. Unfortunately the form and spelling of these names are frequently defective. Some, indeed are so defective that the Board does not wish to appear in any way responsible for them. The bylaws have accordingly been amended by providing that the names, if forwarded by the provincial authorities, shall be entered in the records; they will be published in the report of the Board, but not as decisions. Complete lists have not yet been received; an effort will be made to include them in the next report. In consequence of this amendment, a great many names will have to be removed from the consolidated list of decisions; the list annexed to this report contains only the decisions since the 31st of March, 1917, date of the last annual report.

Another amendment to the by-laws provides that the consolidated list of decisions shall be issued from time to time, as required. Formerly, it was published annually; it is considered that, in future, publication at longer intervals will be sufficient.

Mountain Nomenclature

Appended to this report is the decision respecting the nomenclature of the mountains of western Canada. The need for agreement among geographers was urgent. The expressions in general use to designate portions of these important features were found to have a wide variance in their value. The terms

"System," "Range" and "Mountains," were sometimes given equal value, and frequently the same term was applied to both a large unit and a subdivision of the same. For many years, a large part of the Cordilleras was called a "Range" (Coast Range) while features of smaller superficial area were called "Systems." Parallel to the usage of "Range" for the large unit on the west coast, is that of "Mountains" (Rocky Mountains) for all the mountains bordering on the great plains to the east. The object of the Board in introducing this nomenclature, after consultation with geographical authorities, is to adopt a collective terminology which, after it has become familiar, will associate a relative weight to each of the various terms. The scheme is in substantial accord with that in use for the mountains of the western States and Alaska.

Division of the Northwest Territories

That portion of Canada which lies outside of the provinces and of the Yukon territory is, by Chapter 62 of the Revised Statutes of Canada, 1906, designated as the Northwest territories; it includes a vast area of the mainland and extensive insular areas. In some parts the cultivation of wheat is possible, and the white man can live and flourish; in others, are regions that will, so far as known, scarcely support an Eskimo. It was an anomaly and an inconvenience to have all included in one territorial area. On the recommendation of the Board the Northwest Territories were divided into three provisional districts by order in council of the 16th of March, 1918, as appended. The western district, Mackenzie, has the mildest climate and the best lands. Fish, furs and minerals are the characteristics of the eastern district, Keewatin. The value of Franklin, which comprises the islands of the Arctic ocean, is as yet unknown.

Catalogue of Canadian Maps

A notable work of the Board has been the publication of a catalogue of the maps in its collection. Only an infinitesimal part of the country has been completely mapped; for the other part the maps exhibit the surveys or explorations made by many survey organizations of the Dominion and Provinces. The result has been a large number of maps of varied origin. The Board's collection, which includes all the recent maps and the more important of the old ones, consists of 1,258 maps.

Before the publication of the Board's catalogue, it was next to impossible for any one but an expert to pick out the best map of a locality in which he was interested; this is now readily done by means of the index sheets annexed to the catalogue. So great has been the demand for the catalogue that the edition of 500 is nearly exhausted, and a new edition will have to be published almost immediately.

It has already been noted that the order in council of the 18th of December, 1897, directs that all departments shall accept and use in their publications the names and orthography adopted by the Board. Notwithstanding this direction, little attention was, at first, paid to the Board's decisions; no steps were taken for their compulsory enforcement, but confident in the usefulness and beneficial effect of its work, the Board has preferred to trust to time. These anticipations have been fully realized; the decisions are now accepted not only by most of the Dominion and Provincial administrations, but also by the railways, the Admiralty, and the public generally.

SESSIONAL PAPER No. 25b

GEOGRAPHIC BOARD OF CANADA

BY-LAWS

I—Officers and Secretary of the Board

The officers shall consist of a chairman (who shall be elected by ballot), of an executive committee of three to be nominated by the Chair and approved by the Board, all of whom shall serve for one year or until their successors shall be chosen. An officer of the Department of the Interior designated by the minister shall act as secretary but shall not be a member of the Board.

II—Duties of Officers and Secretary

(a) The chairman shall preside at the meetings and shall certify to the decisions of the Board. He shall appoint all committees not specially named by the Board. In his absence, the Board shall have the power to elect a temporary chairman.

(b) The secretary shall keep the minutes of the proceedings of the Board and shall record the decisions or other acts of the Board. He shall maintain files of papers and correspondence relating to each case submitted to the Board, conveniently arranged for reference. He shall, under the instructions of the Board, conduct the general correspondence and shall receive communications presented for the consideration of the Board.

(c) The executive committee shall receive, through the secretary, all communications requiring decision by the Board, shall investigate the questions presented, and after securing information from all available sources, shall report to the Board with recommendations for dealing with the questions.

(d) Before dealing with any name within a province represented upon the Board, such name shall be submitted to the representative of said province for examination and report.

(e) Upon the receipt of a communication submitting names for the consideration of the Board, it shall be the duty of the secretary to transmit at once a copy of such communication together with any papers relating thereto, to the member of the Board for the province affected; and also, in the case of coast names appearing on Admiralty charts, or charts of the Naval Service, to the hydrographer of the Admiralty or to the chief hydrographer of the Naval Service, as the case may be.

(f) So soon as the report of the provincial representative, and in the case of chart names, the report of the hydrographer of the Admiralty or of the chief hydrographer of the Naval Service, are received, the secretary shall submit the whole correspondence to the executive committee, who shall promptly prepare the names for submission to the Board.

(g) The secretary shall enter upon every record submitted for the consideration of the Board the recommendation of the provincial representative and, if any, the recommendation of the hydrographer of the Admiralty or of the chief hydrographer of the Naval Service.

III—Names to be Accepted

(a) The names of counties, electoral districts, mining districts, townships, cities, towns and incorporated villages, as found in the statutes, proclamations, orders in council, or other official acts of a province establishing such counties,

districts and townships or incorporating such cities, towns and villages, shall be accepted by the Board. Such names shall be entered in the records of the Board if they are furnished by the provincial authorities.

(b) The statute, proclamation, order in council or other official act of a province designating any of the names mentioned in the next preceding clause shall be held to cancel any previous decision of the Board respecting such name so far as it affects the name of such county, electoral district, mining district, township, city, town and incorporated village.

IV—Maps

Maps presented for criticism and advice under the provisions of the order in council of 24th April, 1915, shall be referred for report to the executive committee before being submitted to the Board. Such maps shall, as a general rule and as far as consistent with their nature, comply with the rules adopted for the International Map of the World with regard to lettering, conventional signs, etc.

V—Meetings

The Board shall hold regular meetings on the first Tuesday in each month. Special meetings may be called by the chairman or the executive committee. Five members of the Board shall constitute a quorum, but, on the written request of any member filed with the secretary within a month from the date of a meeting, any decision adopted at such meeting shall be reserved for approval by a majority of the full Board. The affirmative vote of a majority of all the members of the full Board shall be required for the final decision in any case. All motions presented for the consideration of the Board shall be in writing.

VI—Reports

The Board shall publish its decisions on geographic names in The Canada Gazette and in bulletins, the same to be consolidated in a general report of the Board's work, to be issued from time to time as required.

VII—Amendments

These by-laws may be amended at any regular or special meeting by a majority vote of all the members of the Board, provided that copy of the proposed amendment has been sent by the secretary to the members of the Board at least twenty days previous to the time the vote is taken.

RULES OF NOMENCLATURE

1. **Local use to have preference.**—Unless good and sufficient reasons to the contrary exist, that name which is in common local use shall be given preference over alternative names.

2. **Priority to be recognized.**—When the priority of a name has been established by publication, particularly when such publication has occurred in any standard or authoritative work or works, that name should, if possible be retained.

3. **Names corrupted or changed.**—A name which has been corrupted or changed should, if not too firmly established by usage be restored to its original form.

4. **Various spellings. When to be accepted.**—In cases where what was originally the same word appears with various spellings, sanctioned by local usage or otherwise, the various spellings when applied to different features should be regarded as in effect different names, and as a rule it is inadvisable to attempt to produce uniformity.

5. **Choice between two or more names.**—Where a choice is offered between two or more names for the same place or feature, all sanctioned by local usage, that which is most appropriate and euphonious should be adopted.

6. **English possessive form.**—In English nomenclature, the possessive form should be avoided whenever it can be done without destroying the euphony of the name or changing its descriptive application. Where the possessive form is retained, the apostrophe should be dropped.

7. **Names consisting of several words.**—Names consisting of more than one word may be connected by hyphens or combined in one word, as may be advisable.

8. **City, town or ville as part of names.**—The use of the words "city," "town," or "ville," as part of the name of a city, town or village, is to be avoided.

9. **Canyon, Cañon or Gorge.**—"Canyon" may be used instead of "cañon," but the form "canon" without the tilda sign must not be used. The word "gorge," which has the advantage of being both English and French, may often be substituted.

10. **Creek and Brook.**—The term "brook" is considered preferable to "creek" for very small streams.

11. **Branches of rivers.**—The practice of naming branches of rivers "South branch," "North branch," "East fork," etc., is objectionable. Each branch should be given an individual name, and when practicable, the name of the main stream should be continued to the most distant source.

12. **Duplication of names.**—Duplication of names, especially within one province, is objectionable. This excludes such common descriptive names as Bear, Deer, Duck, Eagle, Fish, Maple, Moose, Pigeon, Pine, Sturgeon, Trout, Turtle, Wolf, Wood, Black, Clear, Green, Red, White, Mud, etc. Duplication also renders undesirable a number of descriptive names which are less common, such as many of the names applied to mountain peaks.

13. **Alternative names.**—The use of alternative names should be discontinued where possible or not inconvenient.

14. **Initial letters. When not to be capitals.**—Except on maps, the initial letters of generic or descriptive parts of geographical names, should not be capitals

15. **French names in Canada.**—French names in Canada are to be spelled, accented, hyphenated, etc., according to the rules of the French language. In English text and map printing, however, hyphenation although recommended for French composite names, shall not be considered obligatory.

16. **English and French forms of a name.**—In cases where English and French forms of a single name have been published and have the sanction of long usage, no attempt shall be made to abolish either form, but both may be recognized and published in the Board's list of decisions, and it shall be deemed correct to use the English form in official documents in the English language and the French form in official documents in the French language. In all other cases, any duplication of form shall be discouraged and preference shall be given to the form which has priority of origin whether this be English or French.

17. **Descriptive terms—when to be translated.**—A generic descriptive term, such as cape, bay, river, etc., added to a name, may be translated into French for use in French publications. Likewise, the corresponding French term may be translated into English for use in English publications, but when such term is part of the name as in "Murray Bay," and "Deux-Rivières," it shall not be translated.

18. **Objectionable Combination of words.**—As a general rule, the combination of words in different languages is objectionable.

19. **Names in foreign Countries.**—Geographic names in a foreign country should be rendered in the form adopted by that country, except where there are English or French equivalents already fixed by usage, in which case the English equivalents are to be used in English publications, and the French equivalents in French publications.

20. **Hyphens in Indian names.**—Hyphens between syllables of Indian names are to be avoided.

21. **Names of native origin.**—In a name of native origin the true sound of the word, as pronounced in the native tongue shall be taken as the basis of the spelling.

22. **Rules of the Royal Geographical Society.**—For spelling names of native origin, the rules of the Royal Geographical Society, which are substantially in accord with official practice in France, shall be adhered to. Their broad features are as follows:—

- (a) The vowels are pronounced as in Italian, and the consonants as in English.
- (b) Every letter is pronounced, and no redundant letters are introduced. When two vowels come together, each one is sounded, though the result, when spoken quickly, is sometimes scarcely to be distinguished from a single sound, as in ai, au, ei.

The following amplification of the foregoing rules is given by the Royal Geographical Society to explain their application.

SESSIONAL PAPER No. 25b

Letters.	Pronunciation and Remarks.	Examples.
a	<i>ah</i> , <i>a</i> as in <i>father</i>	Java, Banana, Somali, Bari.
e	<i>eh</i> , <i>a</i> as in <i>faté</i>	Tel el Kebir, Oleleh, Yezo, Medina, Levuka, Peru.
i	English <i>e</i> ; <i>i</i> as in <i>ravine</i> ; the sound of <i>ee</i> in <i>beet</i> . Thus, not <i>Feejee</i> , but	Fiji, Hindi. Tokyo.
o	<i>o</i> as in <i>mote</i>	
u	long <i>u</i> as in <i>flute</i> ; the sound of <i>oo</i> in <i>boot</i> . <i>oo</i> or <i>ou</i> should never be employed for this sound..... Thus, not <i>Zooloo</i> , but All vowels are shortened in sound by doubling the following consonant..... Doubling a vowel is only necessary when there is a distinct repetition of the single sound	Zulu, Sumatra. Yarra, Tanna, Mecca, Jidda
ai	as in <i>aisle</i> , or English <i>i</i> as in <i>ice</i>	Nuulua, Oosima. Shanghai.
au	<i>ow</i> as in <i>how</i> Thus, not <i>Foochow</i> , but	Fuchau.
ao	is slightly different from above.....	Macao.
aw	when followed by a consonant or at the end of a word, as in <i>law</i>	Cawnpore.
ei	is the sound of the two Italian vowels, but is frequently slurred over, when it is scarcely to be distinguished from <i>ei</i> in the English <i>eight</i> or <i>ey</i> in the English <i>they</i> .	Beirut, Beilul.
b	English <i>b</i> .	
c	is always soft, but is so nearly the sound of <i>s</i> that it should be seldom used. If <i>Celebes</i> were not already recognized it would be written <i>Selebes</i> .	Celebes.
ch	is always soft as in <i>church</i>	Chingchin.
d	English <i>d</i> .	
f	English <i>f</i> . <i>ph</i> should not be used for the sound of <i>f</i> . Thus, not <i>Hai phong</i> , but	Haifong, Nafa. Galapagos.
g	is always hard. (Soft <i>g</i> is given by <i>j</i>)....	
h	is always pronounced when inserted.	
hw	as in <i>what</i> ; better rendered by <i>hw</i> than by <i>wh</i> , or <i>h</i> followed by a vowel, thus <i>Hwang ho</i> , not <i>Whang ho</i> , or <i>Hoang ho</i> .	Hwang ho, Ngan hwei.
j	English <i>j</i> . <i>Dj</i> should never be used for this sound.....	Japan, Jinchuen.
k	English <i>k</i> . It should always be put for the hard <i>c</i> . Thus, not <i>Corea</i> , but	Korea. Khan.
kh	The Oriental guttural.....	Dagh, Ghazi.
gh	is another guttural, as in the Turkish.....	
l	As in English.	
m		
n		
ng	has two separate sounds, the one hard as in the English word <i>finger</i> , the other as in <i>singer</i> . As these two sounds are rarely employed in the same locality, no attempt is made to distinguish between them.	
p	As in English.	
ph	As in <i>loophole</i> .	Chemulpho, Mokopho.
th	stands both for its sound in <i>thing</i> , and as in <i>this</i> . The former is the more common.	Bethlehem.
q	should never be employed; <i>qu</i> (in <i>quiver</i>) is given as <i>kw</i> When <i>qu</i> has the sound of <i>k</i> as in <i>quoit</i> , it should be given by <i>k</i> .	Kwangtung.
r		
s		
sh		
t	As in English.	
v		
w		Sawakin.
x		
y	is always a consonant, as in <i>yard</i> , and therefore should never be used as a terminal, <i>i</i> or <i>e</i> being substituted as the sound may require. Thus, not <i>Mikindany</i> , but not <i>Kwaly</i> , but	Kikuyu. Mikindani. Kwale.
z	English <i>z</i>	Zulu.
zh	The French <i>j</i> , or as <i>s</i> in <i>treasure</i>	Muzhdaha.

REGULATIONS

The following regulations have been adopted for the guidance of those submitting names to the Geographic Board.

1. Names submitted to the Geographic Board should be accompanied by a map showing the position of the features for which the names are proposed. If the features already bear names which appear on any published map, a reference to this map is sufficient.

2. Names received by the Board for consideration are referred to the member of the Board representing the province concerned, as well as to the executive committee of the Board. It is desirable, therefore, that lists and maps should be submitted in duplicate, where this can be done conveniently.

3. The memorandum submitted should state whether the suggested names are new, or have been published, and whether the features they apply to are unnamed, or possess names. If a suggested name is new, full particulars respecting the origin must be given. If a suggested name has already been published, the date of publication as well as the circumstances of the origin, if known, should be given.

4. If a proposed name is intended to replace a published or existing one, the latter should be given with the place and date of publication, if known, as well as the arguments for the proposed change.

5. Blank forms for lists of names are furnished by the secretary on application.

SESSIONAL PAPER No. 25b

DECISIONS.

FROM APRIL 1, 1917 TO MARCH 31, 1919.

The names printed in **heavy-faced type** have been approved by the Board. The names in *italics* are discarded forms.

A

Abruzzi; mount, 10,700 feet, lat. $50^{\circ} 27'$, long. $115^{\circ} 07'$, B.C.

After Duke of the Abruzzi, commander in chief, Italian navy, 1915-17.

Agate; bay, Adams lake, Kamloops district, B.C. (Not Squaam.)

Aiguille; peak, 9,840 feet, lat. $51^{\circ} 48'$, long. $116^{\circ} 48'$, Alberta and B.C.

Descriptive of formation.

Airhole river. See Weir.

Akasu; lake and hill, Tp. 52-13-4, Alberta. (Not Siekman.)

Indian name meaning "siekman."

Alexandra; river, rising in the Rockies, west of mount Saskatchewan, and flowing into North Saskatchewan river, Alberta. (Not West branch of North fork of North Saskatchewan.)

Flows below mount Alexandra.

Allenby; mount, 9,500 feet, lat. $50^{\circ} 56'$, long. $115^{\circ} 32'$, Alberta.

After Field-Marshal Lord Allenby, captor of Jerusalem.

Amisk; lake, lat. $54^{\circ} 30'$, long. $102^{\circ} 15'$, Sturgeon-weir river, Sask. (Not Beaver.)

Cree word meaning "beaver."

Antigonish; county, town, harbour and hills, N.S. (Not Antigonishe.)

Aosta; mount, 9,790 feet, lat. $50^{\circ} 32'$, long. $115^{\circ} 06'$, Elk river, B.C.

After Duke of Aosta, cousin of king of Italy.

Ardoise (pointe à l'); point, St. Lawrence river, mouth of Boyer river, Bellechasse county, Que. (Not Slate.)

Descriptive; French for "slate."

Arethusa; mount, 9,000 feet, lat. $50^{\circ} 36'$, long. $114^{\circ} 58'$, Alberta.

After famous light cruiser sunk by mine, 11th February, 1916.

Aries; peak, 9,900 feet, lat. $51^{\circ} 47'$, long. $116^{\circ} 46'$, Alberta and B.C.

Armstrong; mount, 9,161 feet, lat. $50^{\circ} 21'$, long. $114^{\circ} 46'$, Alberta and B.C.

After J. D. Armstrong, of the surveyor general's staff; killed in action, 12th April, 1917

Atikamik lake and river. See Utikuma.

Aulneau; peninsula, lake of the Woods, Kenora district, Ont. (Not Grande Presqu'île, The Peninsula nor The Promontory.)

After Father Aulneau, who, with 20 others, was killed by Sioux Indians on Massaere island, lake of the Woods, 8th June, 1736.

Avonlea; village and creek, tributary to Moosejaw creek in Tp. 14-22-2, Sask. (Not Long.)

B

Back; mount, 9,883 feet, lat. $50^{\circ} 42'$, long. $115^{\circ} 25'$, B.C.

On Palliser Expedition map, 1865; after Admiral Sir George Back (1796-1878), Arctic explorer.

Badham; mount, 12,625 feet, lat. $60^{\circ} 38'$, long. $139^{\circ} 47'$, St. Elias range, Yukon.

After Frank Badham, member of various international boundary survey parties; killed in France, 1915.

Bald mountain. See Chapman.

- Barbette**; mountain, 10,080 feet, lat. $51^{\circ} 43'$, long. $116^{\circ} 44'$, Alberta and B.C.
Two high platform peaks rise from the mass of the mountain.
- Baril**; peak, 9,837 feet, lat. $50^{\circ} 18'$, long. $114^{\circ} 45'$, Alberta and B.C.
After M. C. L. Baril, of the surveyor general's staff; killed in action, 9th November, 1915.
- Baxter**; lake, Tps. 45 and 46-5 and 6-4, Alberta.
After driver of supply team for survey party.
- Beatty**; mount, 9,841 feet, lat. $50^{\circ} 40'$, long. $115^{\circ} 17\frac{1}{2}'$, Alberta and B.C.
After Admiral Earl Beatty, commanding the Grand fleet, 1916-1919.
- Beaver lake.* See Amisk.
- Beduin cape.* See Quart.
- Beduin island.* See Vin.
- Beef lake.* See Peter Pond.
- Bellechasse**; bay, island, township and county, Que. (Not Berthier bay.)
An index accompanying the Champlain 1632 map states that an island marked number 14 is "isle de chasse," but reproductions of the map consulted do not show "14."
- Bellefine river.* See Dauphine.
- Berthier bay.* See Bellechasse.
- Bettaouin.* See Vin.
- Big Island lake.* See Manistikwan.
- Bingley**; mount, 8,100 feet, lat. $52^{\circ} 52'$, long. $118^{\circ} 38'$, Yellowhead pass, B.C.
Named by Milton and Cheadle who travelled through Yellowhead pass, 1863, after Bingley, Yorkshire, Cheadle's birthplace.
- Birch**; lake and river, Whitemouth river, southeastern portion of Manitoba.
- Birdwood**; mount, 10,160 feet, lat. $50^{\circ} 47'$, long. $115^{\circ} 22'$, Alberta.
After Gen. Sir Wm. R. Birdwood, in command of Australian and New Zealand forces.
- Bishop**; mount, 9,300 feet, lat. $50^{\circ} 26'$, long. $114^{\circ} 52'$, Alberta and B.C.
After Col. W. A. Bishop, V.C., D.S.O., M.C., Canadian airman.
- Black**; river, rising near Stukely lake in Stukely township, Shefford county, and flowing into Yamaska river, above St. Hyacinthe, Bagot county, Que. French usage: Noire (rivière).
- Black brook.* See St. Agapit.
- Black river.* See St. Germain.
- Black river.* See St. Nazaire.
- Black river.* See Ulverton.
- Blackwater**; lake and river, flowing into lake Nipigon, Thunder Bay district, Ont.
Translation of Indian name.
- Bolton**; mount, 8,878 feet, lat. $50^{\circ} 20'$, long. $114^{\circ} 48'$, Alberta and B.C.
After L. E. S. Bolton, of the surveyor general's staff; killed in action June, 1916.
- Bompas**; mount, 10,027 feet, lat. $61^{\circ} 24' 16''$, long. $140^{\circ} 36' 13''$, St. Elias mountains, Yukon.
After Rt. Rev. William Carpenter Bompas, D.D. (1834-1906), first bishop of Athabaska, 1874-84; first bishop of Mackenzie river, 1884-91; first bishop of Selkirk (Yukon), 1891-1906
- Breaker**; mountain, 10,069 feet, lat. $51^{\circ} 46'$, long. $116^{\circ} 47'$, Alberta and B.C.
Snow formations on the mountain resemble breakers.
- Bridgland**; mount, lat. $52^{\circ} 59'$, long. $118^{\circ} 31' 30''$, north of Yellowhead pass, Alberta.
After M. P. Bridgland, who has surveyed extensive tracts of the Rocky mountains.
- Britannia**; creek, tributary to Yukon river in lat. $62^{\circ} 53'$, long. $138^{\circ} 40'$, Yukon.
- Brooke**; mount, lat. $61^{\circ} 30'$, long. $140^{\circ} 57'$, Yukon.
After late Private Wm. Brooke, Ottawa; 2nd batt., C.E.F.; taken prisoner at Ypres, 24th April, 1915; died in Germany, 13th March, 1917.

SESSIONAL PAPER No. 25b

Brussifof; mount, 9,990 feet, lat. 50° 47', long. 115° 36', B.C.

After noted Russian general.

Bucephalus; peak, 9,089 feet, lat. 52° 49½', long. 118° 26', Rocky mountains, B.C.

Name of Cheadle's horse. ("The Northwest Passage by Land", 1865.)

Buffalo; bay and point, lake of the Woods, southeastern portion of Manitoba.

A buffalo, which had strayed from the plains was killed at the point. ("The Shoe and Canoe," J. J. Bigsby, 1850.)

Buffalo lake. See Peter Pond.

Buffalo; park reserve and coulee, flowing into Battle river in Tp. 46-6-4, Alberta.

Buffalo river and settlement. See Dillon.

Burgess. See Festubert.

Burrows; lake and river, Kenogami river, Thunder Bay district, Ont. (Not Devilfish.)

After A. G. Burrows, geologist, Toronto, who explored the lake.

Burstall; mount, 9,000 feet, lat. 50° 46', long. 115° 19', Alberta.

After Maj.-Gen. Sir H. E. Burstall, K.C.B., C.M.G., A.D.C.

Buskegau; river, Frederick House river, Abitibi river, Timiskaming district, Ont. (Not Bushkegau, Bushkegow, nor Buskegow.)

Byng; mount, 9,760 feet, lat. 50° 50', long. 115° 31', Alberta.

After Gen. Sir J. H. G. Byng, in command of the Canadian army corps, May 1916-June 1917.

C

Cadorna; mount, 10,280 feet, lat. 50° 28', long. 115° 09', B.C.

After Gen. Cadorna, in command of Italian army in the field until November, 1917.

Cain River village. See Howard.

Canadian; creek, tributary to Britannia creek, Yukon river, in lat. 62° 49', long. 138° 42', Yukon.

Car (pointe du). See Quart.

Cardinal; river, tributary to Brazeau river in Tp. 45-18-5, Alberta. (Not North branch of Brazeau.)

After Jacques Cardinal, fur trader, whose grave is on the bank in Sec. 13, Tp. 45-21-5.

Cardinal is referred to by travellers through the Athabaska pass, 1820-30, as an old man living near Henry house in charge of the horses used by the fur trade brigades.

Castelleia lake. See Leman.

Castelnau; mount, 9,800 feet, lat. 50° 32', long. 115° 10', also glacier, B.C.

After noted French general.

Chapman; hill, Stoke township, Richmond county, Que. (Not Bald mountain.)

After Rev. Thomas Shaw Chapman (1824-1912), minister, Church of England, Duds-well, 1849-89.

Chat (cap); cape, Gaspé county, Que. (Not Chate nor Chatte.) Restatement of previous decision.

The name is first found on a map accompanying the edition of Champlain's works published in Paris in 1613. The cape is called C. de Chate. In a description of the gulf of St. Lawrence in the 1632 edition, Champlain makes two references to "cap de Chatte." The form found on maps is almost always "Chat" or the English "Cat." For instance, Juneau's map, 1685, has C. du Chat, Admiral Boscawen's map, 1715, has Cat cape, a French Marine Department map, 1784, has "cape Chat," Bouchette's map, 1815, and Arrow-smith's map, 1834, have "cape Chat," the map of Quebec Crown Lands Department, 1857 and Tache's map, 1870, have "cap Chat." Early Admiralty charts have "C. Chatte." The township was erected in 1842 as "Cap-Chat." Modern map usage is "cap Chat." The general belief is that the cape took its name from a conspicuous rock resembling a cat sitting up, located on the very extremity of the point. A photograph of this rock is in possession of the Board.

- Chephren**; mountain, 10,700 feet, lat. $51^{\circ} 51'$, long. $116^{\circ} 45'$, and lake, Alberta. (Not Pyramid.)
Name of second of three great pyramids of Egypt; changed from Pyramid to avoid duplication with mountain in lat. $52^{\circ} 57'$, long. $118^{\circ} 09'$, Alberta.
- Chimney**; peak, 9,840 feet, northwest of Vermilion pass, Alberta and B.C.
Climbed in 1910 through a "chimney" by Dr. Longstaff and Capt. E. O. Wheeler.
- Chip lake.* See Romeo.
- Churchill**; lake, head of Churchill river, Sask. (Not Clear.)
- Clark**; harbour and point, 10 miles north of Dauphin river, lake Winnipeg, Man. (Not Limestone point.)
After David Clark, of Reid and Clark, who had a fishing station at the mouth of Dauphin river.
- Clear lake.* See Churchill.
- Clovelly**; settlement, near Cloose Indian reserve, Vancouver island, B.C.
Name suggested by residents from resemblance to Clovelly, Devonshire, Eng.
- Cochons island.* See Dorvilliers.
- Cockfield**; mount, 6,200 feet, lat. $62^{\circ} 38'$, long. $138^{\circ} 26'$, Selwyn river, Yukon.
After W. E. Cockfield, assistant packer on survey parties.
- Coffee**; creek, tributary to Yukon river in lat. $62^{\circ} 55'$, long. $139^{\circ} 01'$, Yukon.
- Colorado**; creek, tributary to Klotassin river in lat. $62^{\circ} 31'$, long. $138^{\circ} 49'$, Yukon.
- Constantine**; mount, 10,295 feet, lat. $61^{\circ} 24' 29''$, long. $140^{\circ} 34' 26''$, St. Elias mountains, Yukon.
After Supt. Charles Constantine, R. N. W. Mounted Police; joined, 1886; died, 1912.
- Conway**; mount, 10,170 feet, lat. $51^{\circ} 46'$, long. $116^{\circ} 48'$, Alberta and B.C.; also glacier and creek, Howse river, Alberta.
After Sir Martin Conway, famous mountain climber.
- Cordonnier**; mount, 9,910 feet, lat. $50^{\circ} 33'$, long. $115^{\circ} 14'$, Alberta and B.C.
After noted French general.
- Cornwell**; mount, 9,832 feet, lat. $50^{\circ} 18'$, long. $114^{\circ} 47'$, Alberta and B.C.
After Jack Cornwell, V.C., H.M.S. Chester, the boy hero of the battle of Jutland, 31st May, 1916.
- Courcelette**; peak, 9,977 feet, lat. $50^{\circ} 17'$, long. $114^{\circ} 48'$, Fording river, B.C.
After village between Albert and Bapaumé, France.
- Cradock**; ridge, lat. $50^{\circ} 40'$, long. $115^{\circ} 24'$, B.C.
After Rear Admiral Sir Christopher Cradock, who perished in the naval battle of Coronel, 1st November, 1914.
- Currie**; mount, 9,268 feet, lat. $50^{\circ} 48'$, long. $115^{\circ} 30'$, Alberta.
After Lt.-Gen. Sir A. W. Currie, K.C.B., K.C.M.G., appointed to command of Canadian army corps, June, 1917.

D

- Danville**; river, tributary to southwest branch of Nicolet river, below Danville, Shipton township, Richmond county, Que.
After Danville, village.
- Dauphine** (rivière); brook, island of Orleans, Montmorency county, Que. (Not Dauphin, Delphine, Bellefine nor Bellefin.)
On Villeneuve map, 1689.
- Deep creek.* See Dip.
- Defender**; mount, 9,200 feet, lat. $50^{\circ} 36'$, long. $115^{\circ} 17'$, Palliser river, B.C.
After destroyer in Jutland battle, 31st May, 1916.

SESSIONAL PAPER No. 25b

Delphine river. See Dauphine.

Deux-Montagnes (lac des); lake, expansion of Ottawa river, Que. English usage: Two Mountains (lake of).

Devilfish lake and river. See Burrows.

Dillon; river, flowing into Peter Pond lake, in Tp. S0-19-3, Alberta and Sask.; also settlement at mouth of river, Sask. (Not Buffalo.)

Family name of J. N. Wallace, D.L.S., who surveyed it.

Dip; creek, tributary to Klotassin river, in lat. $62^{\circ} 33'$, long. $139^{\circ} 20'$, Yukon. (Not Deep.)

Dorvilliers; island, St. Lawrence river, Berthier county, Que. (Not Cochons.) Decision revised.

After the fief.

Drysdale; mount, lat. $51^{\circ} 09'$, long. $116^{\circ} 17'$, north of Wolverine pass, Kootenay district, B.C. After C. W. Drysdale, geologist, drowned in Kootenay river, 10th July, 1917.

Dupas; island, St. Lawrence river, Berthier county, Que. (Not Du Pas nor Du Pads.)

After sieur Dupas, granted seigniory, including the island, in Berthier, 1672.

Dusablé; island, St. Lawrence river, Berthier county, Que. (Not Fesses.) Decision revised.

After wife of Pierre Gaultier de Varennes, sieur de la Vérendrye.

E

East branch of Rat river. See Joubert.

Ebon; peak, 9,600 feet, lat. $51^{\circ} 47'$, long. $116^{\circ} 46'$, Alberta and B.C.

Shows black amid a line of snowclad peaks.

Edwards lake and creek. See Heffley.

Election; lake, Tps. 64 and 65—25—P. Man.

Surveyed on election day.

Embury; lake, Tp. 68—29—P. Man. (Not Trout.)

After W. J. Embury, assistant geologist who surveyed the lake in 1916.

Evelyn creek. See Tumbling.

Excelsior; creek, tributary to Yukon river in lat. $62^{\circ} 54'$, long. $138^{\circ} 57'$, Yukon.

F

Fairy lake. See Féré.

Falcon; lake, Tps. 8 and 9—16 and 17—E and river, Indian bay, Shoal lake, Man.

Farwell; lake, Tps. 63 and 64—19 and 20—P. Man.

After member of survey party.

Féré; lake, near Valcartier, Quebec county, Que. (Not Fairy nor Ferré.)

Family name.

Ferré lac. See Féré.

Fesses (Île aux). See Dusablé.

Festubert; mountain, lat. $49^{\circ} 05'$, long. $114^{\circ} 08'$, Alberta and B.C. (Not Burgess.)

After village east of La Bassée, France.

Flanders; mountain, lat. $49^{\circ} 06'$, long. $114^{\circ} 18'$ and brook, Sage creek, B.C.

After western part of Belgium.

Flinflon; lake and creek, emptying into northwest arm of Schist lake, Man.

Foch; mount, 10,130 feet, lat. $50^{\circ} 34'$, long. $115^{\circ} 09'$, Alberta and B.C.

After Marshal Ferdinand Foch, generalissimo of the allied forces 1918-19.

Fox; mount, 9,752 feet, lat. $50^{\circ} 34'$, long. $115^{\circ} 07'$, Alberta and B.C.

On Palliser Expedition map, 1865.

- Francœur**; hamlet and brook, tributary to southwest branch of Nicolet river, Kingsey township, Drummond county, Que. (Not Francœurville.)
- French**; mount, 10,610 feet, lat. 50° 44', long. 115° 18', Alberta.
After Field Marshal J. D. P. French, Viscount of Ypres and of High Lake, commander in chief, British army, 1914-15.
- Frobisher**; lake, north of Churchill lake and draining into it, Sask. (Not Island nor Ministik.)
After Frobisher family, early Montreal traders.
- Frontier**; peak, lat. 52° 49', long. 118° 26', Rocky mountains, B.C.
Near the interprovincial boundary.

G

- Gamsby**; lake, west of Long lake, Thunder Bay district, Ont.
After C. H. Gamsby, who made surveys in the region for the Canadian Pacific Ry., 1877.
- Gathering**; lake, east of lake Nipigon, near headwaters of Namewaminikan river, Thunder Bay district, Ont. (Not Granite.)
Descriptive.
- Généreuse (rivière)*. See Généreux.
- Généreux**; brook, tributary to southwest branch of Nicolet river, Drummond and Nicolet counties, Que. (Not rivière Généreuse.)
Family name.
- Grand falls and river*. See Hamilton.
- Grande Presquîle*. See Aulneau.
- Grands-Mechins**; telegraph station, Matane county, Que.
See Mechins.
- Grands-Mechins** (anse des, rivière des); bay and river, Matane county, Que.
See Mechins.
- Granite lake*. See Gathering.
- Grattan**; creek, tributary to Battle river in Tp. 45-S-4, Alberta.
- Gravenstafel**; ridge, lat. 49° 19', long. 114° 27' and brook, Scarpe creek, Alberta.
After ridge southwest of Passchendaele, Belgium.
- Gray**; mount, lat. 51° 08', long. 116° 16', overlooking Wolverine pass from southeast, Kootenay district, B.C.
After W. J. Gray, geologist, drowned in Kootenay river, 10th July, 1917.
- Graywood**; settlement, Annapolis county, N.S. (Not Greywood.)
After James Gray, who founded the settlement about 1830.

H

- Habel mount*. See Poilus.
- Hamilton**; falls, Hamilton river, Québec. (Not Grand, Patseschewan, Pitshetonau, nor Mistapowistock.)
- Hamilton**; river, New Quebec and Ashuanipi territories, Quebec. (Not Grand, Mistasibi, Kessessakiou, St. Louis, Winikapau nor Peshikupau.)
Hamilton inlet, into which the river flows, was named in 1821 after Sir Charles Hamilton, Governor of Newfoundland.
- Hammond**; mount, lat. 50° 29', long. 116° 32', Kootenay district, B.C. (Not Thumb.)
After late H. C. Hammond, Toronto.
- Harrison**; creek, Northwest Angle inlet, Man., Canada, and Minnesota, U.S. (Not Harrison.)
After Damase Harrison, settler and trader.
- Hawk lake*. See West Hawk.

SESSIONAL PAPER No. 25b

- Haworth**; mount, lat. $57^{\circ} 30'$, long. $125^{\circ} 25'$, Kwadacha river, Peace River district, B.C. (Not Observation.)
After P. L. Haworth, Eastover, West Newton, Indiana, who climbed it, 1916. (On the Headwaters of Peace River, 1917.)
- Hay creek.* See Powawassan.
- Hazel**; creek, Brokenhead river, southeastern portion of Manitoba.
After Hazel, Grand Trunk Pacific Ry. station.
- Hefferly lake and creek.* See Heffley.
- Heffley**; lake and creek, tributary to North Thompson river, about 13 miles above Kamloops, Kamloops district, B.C. (Not Hefferly, Hefferley nor Edwards.)
After Adam P. Heffley, rancher; died 1871.
- High**; lake, Tp. 8-17-E., Man. and Ont.
- Hines**; river, rising in Tp. 86-3-6, and flowing into the Peace river in Tp. 80-4-6, Alberta. (Not Muddy nor Island.)
- Holcroft**; mount, 8,900 feet, lat. $50^{\circ} 14'$, long. $114^{\circ} 46'$, Alberta and B.C.
After H. S. Holcroft, of the surveyor general's staff; died on active service.
- Hollebeke**; mountain, lat. $49^{\circ} 23'$, long. $114^{\circ} 34'$, Alberta and B.C.
After village southeast of Ypres, Belgium.
- Holloway rock**; a mountain, 8,100 feet, lat. $52^{\circ} 50'$, long. $118^{\circ} 25'$, Rocky mountains, B.C.
- Howard**; village, Northumberland county, N.B. (Not Cain River.) Decision revised.
The residents of the village of Cain River, New Brunswick, asked that the name be changed as it was not situated on Cain river, but only near it. Prof. W. F. Ganong pointed out that there was a very good alternative name available from the history of the place. In 1825 or 26, shortly after Sir Howard Douglas, then governor of New Brunswick, passed through the vicinity, a town was laid out at the mouth of the Cain river and named Howardville, obviously in his honour. The name persisted for a time, but later became disused as the place failed to be settled as expected. The Board approved the name Howard.
- Howse**; river, rising near Snow peak in the Summit range of the Rockies, west of Howse pass and flowing into North Saskatchewan river, Alberta. (Not Middle fork of North Saskatchewan.)

I

- Île à-la-Crosse**; settlement, lac Ile-à-la-Crosse, Churchill river, Sask.
A letter of Sir Alex. Mackenzie, 1st October, 1787, is dated from "Ile-à-la-Crosse."
- Île-à-la-Crosse** (lac); lake, Churchill river, Sask.
From an island in the lake where the Indians played the game of lacrosse.
- Indian**; bay, Shoal lake, Man. and Ont.
- Isaac**; creek, tributary to Yukon river in lat. $62^{\circ} 50'$, long. $138^{\circ} 29'$, Yukon.
- Iskwasum**; lake, Tp. 65-22 and 23-P, Grass river, Man. (Not Island.)
Cree word meaning "he burns it." The west end of the lake has been burned over.
- Island river.* See Hines.
- Island lake.* See Frobisher.
- Island lake.* See Leopard.
- Island lake.* See Iskwasum.
- Ivanhoe**; lake and river, tributary to Groundhog river, Sudbury and Timiskaming districts, Ont. (Not Pishkanogama.)
After the township, which after Sir Walter Scott's novel.

J

Jellicoe; mount, 10,065 feet, lat. $50^{\circ} 43'$, long. $115^{\circ} 17'$, Alberta.

After Admiral Lord Jellicoe, in command of the Grand fleet, 1914-15.

Joffre; mount, 11,316 feet, lat. $50^{\circ} 32'$, long. $115^{\circ} 12'$, Alberta and B.C.; also creek, Palliser river, B.C.

After Marshal J. J. C. Joffre, commander in chief, French armies, 1915-17.

Johnstone; lake, southwest of Moose Jaw, Sask. (Not Johnston.) Decision revised.

Named, 1861, by Dr. (afterwards Sir) John Rae who hunted in the region in that year with Viscount Chaplin of St. Oswalds and Sir Frederick John William Johnstone, Bart. (1841-1913), then Oxford undergraduates. The chairman of the Hudson's Bay Co. at this time was Viscount Chaplin's great-uncle, the Rt. Hon. Edward Ellice, and, in Viscount Chaplin's words, "it was under his auspices that our expedition was organized from 'Fort Garry,' now the city of Winnipeg, but which was then the headquarters of that company fur trading with the Red Indians. . . . Our intention had been to go to the Cypress hills, in pursuit of grizzly bears, and then on to the Rocky mountains. But the Blackfoot Indians at that time were on the warpath, and the Red River hunters and buffalo runners that we had with us, 10 in number, were reluctant to go through their country. So much so, indeed, that although we had a famous guide, one James Mackay, a Scotch half breed, he could not persuade them and we had to change route. The quantities of buffalo in those days in the region we had reached were incredible."

Joubert; creek, tributary to Rat river in Tp. 6-4-E, Man.

After Olivier A. Joubert, postmaster, St. Pierre-Jolys.

Jutland; mountain, lat. $49^{\circ} 12'$, long. $114^{\circ} 16'$ and brook, Castle river, Alberta.

After continental part of Denmark.

K

Kaufmann; lake, near head of Tokumm creek, Vermilion river, Kootenay district, B.C.

After Christian Kaufmann, a Swiss guide.

Kenisheong lake. See Mistinikon.

Kesamachiskun river. See Weir.

Kessessakiou river. See Hamilton.

Kilbella; river and bay, Rivers inlet, Coast district, B.C. (Not Kildala nor Kildella.)

Kildala; river and arm, Kitimat arm, Douglas channel, Coast district, B.C.

Kildala river and bay. See Kilbella.

Kildella river and bay. See Kilbella.

King; peak, 16,971 feet, lat. $60^{\circ} 34' 50''$, long. $140^{\circ} 38' 53''$, St. Elias mountains, Yukon.

After late Dr. W. F. King, International Boundary Commissioner.

King Albert; mount, 9,800 feet, lat. $50^{\circ} 43'$, long. $115^{\circ} 25'$, Alberta and B.C.

After King Albert of Belgium.

King Christian; island, lat. $77^{\circ} 45''$, long. 112° , Arctic ocean, Franklin, N.W.T.

Named by Sverdrup expedition, 1901.

King George; mount, 11,226 feet, lat. $50^{\circ} 36'$, long. $115^{\circ} 24\frac{1}{2}'$, B.C.

After His Majesty the King.

L

Lac-la-Plonge settlement. See La-Plonge.

Lac-la-Ronge settlement. See La-Ronge.

Lac-la-Biche; settlement, Tp. 67-13-4, Alberta.

Lac-la-Nonne; settlement, Tp. 57-3-5, Alberta.

SESSIONAL PAPER No. 25b

- La Coulotte**; peak, lat. $49^{\circ} 13'$, long. $114^{\circ} 19'$ and ridge, Alberta and B.C.; also brook, Castle river, Alberta.
After place on outskirts of Lens, France.
- Lambart**; mountain, 10,725 feet, lat. $61^{\circ} 31' 17''$, long. $140^{\circ} 58' 29''$, St. Elias mountains, Yukon.
After F. H. J. Lambart, dominion land surveyor, who surveyed it.
- Lang**; bay, Malaspina strait, Coast district, B.C. (Not Wulfsohn.)
- Lang Bay**; settlement, Malaspina strait, Coast district, B.C. (Not Wulfsohn Bay.)
After three residents wounded overseas.
- Langemarck**; mountain, lat. $49^{\circ} 06'$, long. $114^{\circ} 22'$ and brook, Sage creek, B.C.
After village north of Ypres, Belgium.
- La-Plonge**; settlement, Tp. 71-11-3, Sask. (Not Lac-la-Plonge.)
- Larch**; valley, west of Moraine lake, Rocky mountains, Alberta.
Descriptive.
- La-Ronge**; settlement, near Churehill river, Sask. (Not Lac-la-Ronge.)
- Leak**; lake, Tp. 64-22 and 23—P. Man.
Water flows from it through a hole in the limestone rock at the bottom of the lake.
- Leather**; peak, 7,800 feet, lat. $52^{\circ} 52'$, long. $118^{\circ} 36'$, Yellowhead pass, B.C.
Commemorating an old name of the Yellowhead pass.
- Leman**; mount, 8,956 feet, lat. $50^{\circ} 44'$, long. $115^{\circ} 25'$, Alberta and B.C.; also lake, north of mountain, Alberta. (Not Castelleia lake.)
After Gen. G. Leman, defender of Liège, Belgium.
- Leopard**; lake, east of lake Nipigon, near headwaters of Namewaminikan river, Thunder Bay district, Ont. (Not Island.)
The lake is "spotted" with islands.
- LeRoy**; mount, 9,600 feet, lat. $50^{\circ} 42'$, long. $115^{\circ} 20'$, Kananaskis pass, B.C.
After O. E. LeRoy, who had charge of the British Columbia division of the Geological Survey; killed at Passchendaele.
- Leval**; mount, 8,900 feet, lat. $50^{\circ} 45'$, long. $115^{\circ} 26'$, Alberta and B.C.
After Gaston de Leval, Belgian lawyer, who defended Edith Cavell.
- Lilliput**; mountain, lat. $51^{\circ} 33'$, long. $116^{\circ} 25'$, Alberta and B.C.
Rock pillars on it resemble a crowd of little people.
- Limestone harbour and point.* See Clark.
- Lipsett**; mount, 8,400 feet, lat. $50^{\circ} 33'$, long. $114^{\circ} 55'$, Highwood river, Alberta.
After Maj. Gen. L. J. Lipsett, C.M.G., C.E.F.
- Little Buffalo lake.* See Peter Pond.
- Little Rat creek.* See Joubert.
- Little Saanich hill.* See Observatory.
- Loach lake.* See Methy.
- Loche (lac la) (portage la).* See Methy.
- Long creek.* See Avonlea.
- Long**; lake, head of Kenogami river, Thunder Bay district, Ont.
Descriptive.
- Lucania**; mountain, 17,147 feet, lat. $61^{\circ} 01' 16''$, long. $140^{\circ} 27' 54''$, St. Elias mountains, Yukon.
Named by Duke of the Abruzzi, 1897, after the Cunard liner on which he had crossed the Atlantic.
- Lucerne**; peak, 7,015 feet, lat. $52^{\circ} 52'$, long. $118^{\circ} 35'$, Yellowhead pass, B.C.
Overlooks Lucerne railway station.
- Lunette**; peak, 11,150 feet, lat. $50^{\circ} 52'$, long. $115^{\circ} 39'$, south of mount Assiniboine, Alberta and B.C.
Descriptive.

- Lyautey**; mount, 9,990 feet, lat. $50^{\circ} 36'$, long. $115^{\circ} 13'$; also glacier, Kananaskis river, Alberta.
After Gen. Herbert Lyautey, Minister of War, France, 1916.
- Lys**; ridge, lat. $49^{\circ} 15'$, long. $114^{\circ} 18'$, and brook, Castle river, Alberta.
After river flowing through Armentières, France.

M

- McArthur**; peak, 14,253 feet, lat. $60^{\circ} 36' 28''$, long. $140^{\circ} 12' 59''$, St. Elias mountains, Yukon.
After J. J. McArthur, International Boundary Commissioner.
- McCoubrey**; mountain, lat. $50^{\circ} 27'$, long. $116^{\circ} 30'$, Kootenay district, B.C.
After A. A. McCoubrey, Winnipeg, who climbed in the region, 1914.
- McLean**; lake and river, tributary to Clearwater river in Tps. 90-21-3, Sask.
After Hudson's Bay Co. officer in charge of post at Methy lake.
- Macdonnell**; mount, 8,500 feet, lat. $50^{\circ} 30'$, long. $115^{\circ} 11'$, B.C.
After Maj. Gen. A. C. Macdonnell, C.B., C.M.G., D.S.O.
- McNeill**; bay, near Gonzales point, south coast of Vancouver island, B.C. (Not McNeil, McNeil nor Shoal.)
Name on Dr. H. Forbes's map of Vancouver island, Geographical Journal, 1864.
After Capt. William H. McNeill (1803-75), Hudson's Bay Co.; settled near the bay in 1831; in 1837 made a report to Governor Sir George Simpson on southern portion of Vancouver Island, recommending Camosun, now Victoria, as a suitable place for a settlement or a trading establishment.
- McPhail**; mount, 9,300 feet, lat. $50^{\circ} 24'$, long. $114^{\circ} 51'$, Alberta and B.C.
After N. R. McPhail, of the surveyor general's staff; killed in action, November, 1917.
- Mangin**; mount, 10,030 feet, lat. $50^{\circ} 32'$, long. $115^{\circ} 13'$, also glacier, Alberta and B.C.
After Gen. Mangin, France, who won honour in the Labyrinth, 1915, and in second battle of Verdun.
- Manistikwan**; lake, Tps. 66 and 67-29-P. Man. (Not Big Island.)
Indian name meaning "devil's head"; originally applied to Schist lake.
- Maraiche**; lake, lat. $54^{\circ} 28'$, long. $102^{\circ} 00'$, Sask. (Not Marie.)
After the fish of this name.
- Marie lake.* See Maraiche.
- Marlborough**; mount, 9,700 feet, lat. $50^{\circ} 33'$, long. $115^{\circ} 12'$, Kananaskis river, Alberta.
After battleship in Jutland battle, 31st May, 1916.
- Massive**; mountain, lat. $51^{\circ} 11'$, long. $115^{\circ} 47' 30''$, Bow river; also railway station, Alberta.
Descriptive of mountain.
- Maude**; mount, 9,980 feet, lat. $50^{\circ} 42'$, long. $115^{\circ} 18'$, Alberta and B.C.
After Maj. Gen. Sir F. S. Maude (1864-1917), captor of Bagdad; military secretary to the Governor General of Canada, 1901-04.
- Mecatina**; cape, island and river, Saguenay county, Que. (Not Mekattina.) Decision revised.
- Mechins** (cap des); cape, Matane county, Que. (Not Mechin, Michaud, Michaux, Misho, nor Mishto.) Decision based on local usage.
Mechins also forms part of the following place-names in Matane county, approved by the Geographic Board:—anse des Grands-Mechins, anse des Petits-Mechins, rivière des Grands-Mechins, rivière des Petits-Mechins, Grands-Mechins telegraph station, and Petits-Mechins settlement. The earliest form of the word found on maps is Mishto on that of Holland, 1790, who has Pet. Mishto R.; Mann, 1791, has Pet. Misho R.; Bouchette, 1815, Little Michaud R. and Sax, 1829, Petit Michaud. The form Mechin or Mechins first appears on the map of Taché, 1870, who has R. Grand Mechin.
- Mercer**; mount, 9,700 feet, lat. $50^{\circ} 55'$, long. $115^{\circ} 31'$, Alberta.
After Maj. Gen. M. S. Mercer, C.B., C.E.F.; killed in action near Zillebeke, Flanders, 2nd June, 1916.

SESSIONAL PAPER No. 25b

Metasse point. See Mitas.

Methy; lake, portage and river, at headwaters of Churchill river, Sask. (Not Loach, la Loche nor Methye.) Decision revised.

English form of Cree Indian name meaning "burbot."

Michaud cape. See Meechins.

Middle fork of North Saskatchewan river. See Howse.

Midway; peak, 9,570 feet, lat. 51° 48', long. 116° 47', Alberta and B.C.

Ministik lake. See Frobisher.

Mishto cape. See Meechins.

Mistapowistock falls. See Hamilton.

Mistasibi river. See Hamilton.

Mistaya; mountain, 10,100 feet, lat. 51° 43', long. 116° 43', Alberta and B.C.; also lake, Alberta. Indian name meaning "grizzly bear."

Mistik; creek, emptying into north arm of Athapapuskow lake, Man.

Cree word meaning "big tree."

Mistinikon; lake, west branch of Montreal river, Timiskaming district, Ont. (Not Kenisheong).

Mitas; point, Winnipeg river, lake Winnipeg, Manitoba. (Not Metasse.)

Cree Indian name meaning "legging."

Monro; mount, 10,145 feet, lat. 50° 42½', long. 115° 20', B.C.

After Maj. Gen. Sir C. C. Monro, commander of the 2nd division, 1st army corps, B.E.F.

Morrison; mount, 9,500 feet, lat. 50° 50', long. 115° 29', Alberta.

After Maj. Gen. Sir E. W. B. Morrison, K.C.B., C.M.G., D.S.O.

Morrison river. See Shekak.

Muddy River. See Sprague.

Muddy river. See Hines.

Muir; mount, 9,000 feet, lat. 50° 24', long. 114° 49', Alberta and B.C.

After Alex. Muir, author of "The Maple Leaf"; died, 1906.

Murray; river, tributary to Pine river in Tp. 78-21-66, Peace River district, B.C.

After N. F. Murray, C.E., who surveyed the river for B.C. Forest Branch; enlisted in 67th battalion; killed in action in France.

N

Nagagami; lake and river, Kenogami river, Algoma district, Ont.

Nagagamis; lake and river, Shekak river, Nagagami river, Algoma district, Ont. (Not Negagamis.)

Naiset point; a mountain, 9,000 feet, lat. 50° 54', long. 115° 37', B.C.

Indian word meaning "sunset."

Narao; peak, lat. 51° 25', long. 116° 19', and lakes, south of Hector railway station, Kootenay district, B.C.

Stoney Indian for "hit in the stomach."

Negagamis lake and river. See Nagagamis.

Nivelle; mount, 10,620 feet, lat. 50° 31', long. 115° 10', B.C.

After Gen. R. G. Nivelle, France.

Noire (rivière); river, tributary to Yamaska river, Shefford and Bagot counties, Que. English usage: Black.

North branch of BrazEAU River. See Cardinal.

North point. See Rabast.

Northeast Roseau River. See Sprague.

Nub; peak, 9,016 feet, lat. 50° 56', long. 115° 40', B.C.

From a knob or nub of rock on the east side.

O

- O'Beirne**; mount, 8,400 feet, lat. $52^{\circ} 55'$, long. $118^{\circ} 37'$, Yellowhead pass, Alberta and B.C.
After Eugene Francis O'Beirne, who accompanied Milton and Cheadle through the Yellowhead pass, 1863.
- Observation peak.* See Haworth.
- Observatory**; hill, lat. $48^{\circ} 31'$, long. $123^{\circ} 25'$, Vancouver island, B.C. (Not Saanich, nor Little Saanich.)
The Dominion Astrophysical observatory is on this hill.
- Onslow**; mount, 9,100 feet, lat. $50^{\circ} 35'$, long. $115^{\circ} 17'$, Palliser river, B.C.
After destroyer in Jutland battle, 31st May, 1916.
- Onânes (baie des).* See Vin.

P

- Paint**; lake, Namewaminikan river, Thunder Bay district, Ont.
Patseschewan falls. See Hamilton.
- Patten**; river, tributary to Turgeon river, Timiskaming district, Ont. (Not Woman.)
After T. J. Patten, O.L.S., who made a track survey of the river in 1906.
- Patterson**; mount, 10,490 feet, lat. $51^{\circ} 45'$, long. $116^{\circ} 42'$, Alberta.
After J. D. Patterson, president, Alpine Club of Canada.
- Pattison**; mount and creek, tributary to Klotassin river in lat. $62^{\circ} 30'$, long. $138^{\circ} 45'$, Yukon.
After A. E. Pattison, packer on survey parties.
- Pays Plat lake.* See Roslyn.
- Peers**; river, Coquihalla river, Yale district, B.C. (Not Pierre.)
So named on manuscript map made by A. C. Anderson, Hudson's Bay Co., 1849.
After Henry N. Peers, Hudson's Bay Co. official who advocated a route to the Similkameen valley by way of Coquihalla river, Peers river and Soaqua creek. Governor James Douglas in a letter from Fort Langley, 30th October, 1848, to John Tod, Hudson's Bay Co. chief trader refers to this route. Peers was factor at the Hudson's Bay Co. post at Cowlitz, Washington, in the year 1851. He married the daughter of Chief Factor J. Murray Yale. A daughter is resident in Victoria.
- Pembina**; lake, Tps. 4 and 5-11-P, Pembina river, Man. (Not Swan.)
One of "Pembina or Rib" lakes on Palliser map, 1865.
- Peninsula (The).* See Aulneau.
- Pétain**; mount, 10,400 feet, lat. $50^{\circ} 33'$, long. $115^{\circ} 11'$, Alberta and B.C.
After Gen. H. P. Pétain, France, the man who saved Verdun.
- Peter**; mount, lat. $50^{\circ} 28'$, long. $116^{\circ} 30'$, also pass, Kootenay district, B.C.
After Peter Kerr, member of the 1914 climbing party; enlisted in 1st contingent, died of wounds, 1917.
- Peter Pond**; lake, at headwaters of Churchill river, Sask. (Not Beef, Buffalo nor Little Buffalo.)
After Peter Pond, first white man to visit and map it. Pond wintered on Athabaska river, 1778-84.
- Petits Mechins** (anse des, rivière des); bay and river, Matane county, Que.
See Mechins.
- Petits-Mechins**; settlement, Matane county, Que.
See Méchins.
- Petshikupau river.* See Hamilton.
- Peyto**; peak, 9,805 feet, lat. $51^{\circ} 41'$, long. $116^{\circ} 41'$, Alberta.
After Bill Peyto, guide.
- Pierce**; mount, 9,300 feet, lat. $50^{\circ} 12'$, long. $114^{\circ} 45'$, Fording river, B.C.
After B. C. Pierce, of the surveyor general's staff; killed in action, 9th April, 1917.

SESSIONAL PAPER No. 25b

Pierre creek. See Peers.

Pilot; mountain, lat. $51^{\circ} 11'$, long. $115^{\circ} 49'$, Alberta.
Descriptive.

Pincher; creek, Oldman river, Alberta.
Prospectors, in 1870, lost their "pinchers" in it.

Pishkanogama lake. See Ivanhoe.

Pitshetonau falls. See Hamilton.

Plonge (lac la) (rivière la); lake, lat. $55^{\circ} 07'$, long. $107^{\circ} 17'$, and river, tributary to Beaver river Sask.
From the moose standing in the lake and plunging in their heads to get rid of mosquitoes and flies.

Poilus (mont des); (glacier des); mountain, 10,361 feet, and glacier, lat. $51^{\circ} 36'$, long. $116^{\circ} 37'$, head of Yoho valley, B.C. (Not Habel.)

Commemorating the French soldier in the Great war and replacing the name Habel given to the peak in 1898 after Jean Habel, Berlin, Germany, who climbed in the region, 1897. Present name suggested by "Les Annales," Paris, France, which, in an article, 25th August, 1918, said:—"We beg our allies . . . to keep one mountain . . . for the great hero of the age, the humble and fascinating Poilu."

Powawassan; creek, Shoal lake, Man. and Ont. (Not Powawasan nor Hay.)
After Indian reserve on banks of the stream, which after Indian chief.

Powell; lake and river, Malaspina strait, Coast district, B.C.
Named 1880, after Israel Wood Powell, M.D. (1872-89) Indian commissioner, British Columbia.

Prince Albert; mount, 10,530 feet, lat. $50^{\circ} 36\frac{1}{2}'$, long. $115^{\circ} 24'$, B.C.
After second son of His Majesty the King.

Prince Edward; mount, 10,590 feet, lat. $50^{\circ} 36\frac{1}{2}'$, long. $115^{\circ} 25'$, B.C.
After the Prince of Wales.

Prince George; mount, 9,450 feet, lat. $50^{\circ} 36'$, long. $115^{\circ} 23'$, B.C.
After fourth son of His Majesty the King.

Prince Henry; mount, 10,560 feet, lat. $50^{\circ} 37'$, long. $115^{\circ} 25'$, B.C.
After third son of His Majesty the King.

Prince John; mount, 10,570 feet, lat. $50^{\circ} 38'$, long. $115^{\circ} 26'$, B.C.
After fifth son of His Majesty the King (1905-1919).

Princess Mary; mount, 10,090 feet, lat. $50^{\circ} 35'$, long. $115^{\circ} 24'$, B.C.
After daughter of His Majesty the King.

Promontory (The). See Aulneau.

Pyramid mountain and lake. See Chephren.

Proulx; hill, Kingsey township, Drummond county, Que. (Not Prue.)

Prue hill. See Proulx.

Putnik; mount, 9,500 feet, lat. $50^{\circ} 39'$, long. $115^{\circ} 15'$, Kananaskis river, Alberta and B.C.
After late Field Marshal R. Putnik, Serbia.

Q

Quadra; mountain, 10,410 feet, in southern portion of Tp. 27-16-5, Alberta and B.C.
Descriptive.

Quart (pointe du); point, Miramichi bay, Northumberland county, N.B. (Not Car nor Beduin.)
French name meaning point of the "watch" or "guard."

Queen Elizabeth; mount, 9,349 feet, lat. $50^{\circ} 43'$, long. $115^{\circ} 24'$, Alberta and B.C.
After Queen of Belgium.

Queen Mary; mount, 10,600 feet, lat. $50^{\circ} 39'$, long. $115^{\circ} 27'$, B.C.
After Her Majesty the Queen.

Rabast (cap de); cape, north point of Anticosti island, Saguenay county, Que. (Not North.)
French name used by Cartier, 1535, meaning "where the land begins to fall away."

R

Rat; river, Red river, Man.

Red Man; mount, 9,498 feet, lat. $50^{\circ} 47'$, long. $115^{\circ} 32'$, Alberta and B.C.

From the red colour of the rock, and in contrast to mount White Man.

Rhondda; mount, 10,025 feet, lat. $51^{\circ} 39'$, long. $116^{\circ} 41'$, Rocky mountains, Alberta and B.C.

After late Lord Rhondda, British food controller.

Ribstone; lake, Tp. 44-5-4, Alberta.

Ringrose; peak, between mount Yukness and mount Hungabee, Bow range, Rocky mountains, Alberta and B.C.

Named by S. E. S. Allen, 1894, after A. E. L. Ringrose, London, England, "an extensive traveller and of great familiarity with the Rockies."

Robertson; mount, 10,400 feet, lat. $50^{\circ} 44'$, long. $115^{\circ} 19'$, Alberta and B.C.

After Gen. Sir Wm. Robertson, Chief of Imperial General Staff, at headquarters, till February, 1918.

Rockingham; mountain, 8,160 feet and creek, lat. $52^{\circ} 47'$, long. $118^{\circ} 30'$, Rocky mountains, B.C.

A family name of Lord Milton, who, with Dr. Cheadle, travelled through Yellowhead pass, 1863.

Rogers; lake, west of Long lake, Thunder Bay district, Ont.

After W. R. Rogers, of Ontario Bureau of Mines staff.

Romeo; lake, Tp. 58-6-5; also creek flowing through the lake, Alberta. (Not Chip lake.)

After J. R. Romeo, early settler at the lake.

Rosiers (rivière des); river, Nicolet river, Warwick township, Arthabaska county, Que. (Not Trout.)

Roslyn; lake, east of lake Nipigon, near headwaters of Namewaminikan river, Thunder Bay district, Ont. (Not Pays Plat.)

S

Saanich hill. See Observatory.

St. Agapit; brook, Beauvillage river, Lotbinière county, Que. (Not Black.)

St. Eloi; mountain, lat. $49^{\circ} 20'$, long. $114^{\circ} 29'$, Alberta and B.C. and brook, Flathead river, B.C.

After village south of Ypres, Belgium.

St. Germain; river, tributary to St. Francis river, below Drummondville, Drummond county, Que. (Not Black.)

After the village.

St. Labre; creek, Whitemouth river, southeastern portion of Manitoba. (Not West branch of Whitemouth river.)

After St. Labre post office.

St. Louis river. See Hamilton.

St. Nazaire; river, tributary to Yamaska river, near Upton, Bagot county, Que. (Not Black.)

After the village, which after His Eminence Cardinal Louis Nazaire Bégin, Archbishop of Quebec.

St. Vallier; point, St. Lawrence river; also parish, railway station and post office, Bellechasse county, Que. (Not St. Valier.)

After Mgr. Jean Baptiste de la Croix Chevrières de Saint-Vallier (1653-1726), 2nd bishop of Quebec, 1688-1727.

Salter; mount, lat. $49^{\circ} 53'$, long. $114^{\circ} 48'$, south of Line creek, B.C. (Not Sheep.)

After member of Dr. G. M. Dawson's survey party, 1884.

San Mateo; bay and settlement, Barkley sound, Vancouver Island, B.C.

Sarrail; mount, 10,300 feet, lat. $50^{\circ} 35'$, long. $115^{\circ} 10'$, Kananaskis river, Alberta.

After Gen. M. Sarrail, France, sometime in command of the army of the Orient.

SESSIONAL PAPER No. 25b

Saskoba; lake, Tp. 63-30-P, Man. and Sask.

Combination of Sask(atchewan) and (Manit)oba.

Scarpe; mountain, lat. 49° 13', long. 114° 24', Alberta and B.C. and creek, Castle river, Alberta. After river flowing through Arras, France.

Schist; lake, one mile west of north arm of Athapapuskow lake, Man. (Not Manistikwan.) The lake lies in a band of soft schist.

Sheep mountain. See Salter.

Sheep mountain. See Vimy.

Shekak; river, Nagagami river, Algoma district, Ont. (Not Morrison.) Indian name meaning "skunk."

Shoal bay. See McNeill.

Shorncliffe; lake, Tp. 40-6 and 7-4, and creek tributary to Ribstone creek in Tp. 40-6-4 Alberta.

After Canadian military camp in England.

Sickman lake and hill. See Akasu.

Sir Douglas; mount, 11,174 feet, lat. 50° 43½', long. 115° 20', Alberta and B.C.

After Field Marshal Sir Douglas Haig, K.T., G.C.B., G.C.V.O., K.C.I.F., commander in chief of the British armies in France, now Earl Haig of Bernessyde.

Skaist; mountain and river, tributary to Skagit river in lat. 49° 12', long. 120° 59', Yale district, B.C.

Indian name meaning "peak standing between ridges."

Slate point. See Ardoise.

Smith-Dorrien; mount, 10,300 feet, lat. 50° 44', long. 115° 17', Alberta.

After Gen. Sir H. L. Smith-Dorrien, in command of 2nd army, B.E.F., 1915-16.

Smuts; mount, 9,600 feet, lat. 50° 48', long. 115° 23', Alberta.

After Gen. J. C. Smuts, in command of troops in British East Africa, 1916-17.

Snaas mountain and creek. See Snass.

Snass; mountain and creek, tributary to Skagit river in lat. 49° 13', long. 121° 03', Yale district, B.C.

Chinook jargon word meaning "rain."

Snowshoe; bay, Shoal lake, Man. and Ont.

Somme; brook, lat. 49° 27', long. 114° 22', Carbondale river, Alberta.

After river near battlefield, France.

Somme; creek, tributary to Klotassin river in lat. 62° 25', long. 138° 39', Yukon.

River near battlefield.

South branch of Pouce-Coupé river. See Tupper.

Sprague; railway station and river, Roseau river, Manitoba, Canada, and Minnesota, U.S. (Not Muddy, nor Northeast Roseau.)

After D. E. Sprague, president of lumber company with timber limits in the vicinity. When the Manitoba and Southeastern Ry. was built from Winnipeg through the district, the station nearest to the Sprague camps was called Sprague; name later extended to river.

Squaam bay. See Agate.

Stairway; peak, 9,840 feet, lat. 51° 48', long. 116° 47', Alberta and B.C.

Descriptive of formation.

Steele; mount, 16,644 feet, lat. 61° 05' 33'', long. 140° 18' 34'', St. Elias mountains, Yukon.

After Gen. Sir Sam. Steele; joined R.N.W. Mounted Police 1873, retired 1903; died 1918; Yukon pioneer.

Stoke; river, rising in Dudswell township, Wolfe county, and flowing into Watopeka river in Windsor township, Richmond county; also lake, near Stoke Centre and ridge, Stoke township, Richmond county, Que. (Not Watopeka.)

Strickland; mount, 13,818 feet, lat. $61^{\circ} 14' 29''$, long. $140^{\circ} 45' 14''$, St. Elias mountains, Yukon.

After Inspector Darcy Edward Strickland, R.N.W. Mounted Police; joined 1891; died 1908; Yukon pioneer.

Swan lake. See Pembina.

Sylvan; pass, between Joffre creek, tributary to Palliser river and White river, B.C.

Descriptive name suggested by W. D. Wilcox in 1901.

Syngé; mount, 9,700 feet, lat. $51^{\circ} 48\frac{1}{2}'$, long. $116^{\circ} 47'$, Rocky Mountains, Alberta and B.C.

After Capt. M. H. Syngé, R.E., who, in 1852, prepared a map showing the transcontinental railway route across the Rocky mountains now followed by the Canadian Pacific Ry.

T

Terrapin; mount, 9,600 feet, lat. $50^{\circ} 53'$, long. $115^{\circ} 37'$, Alberta and B.C.

From resemblance to a turtle.

Tête (Roche); a mountain, 7,932 feet, lat. $52^{\circ} 54'$, long. $118^{\circ} 34'$, Yellowhead pass, Alberta and B.C.

Suggested by Tête Jaune, French for Yellowhead, nickname of trapper who used to cache his furs west of the summit of the pass called after him.

The Cleaver; a mountain, lat. $50^{\circ} 26'$, long. $116^{\circ} 33'$, Kootenay district, B.C.

Descriptive.

The Marshal; mountain, 10,465 feet, lat. $50^{\circ} 53'$, long. $115^{\circ} 41'$, Mitchell river, B.C.

Descriptive.

The Royal Group; mountains, west of Kananaskis pass, B.C.

The Towers; mountain, 9,337 feet, lat. $50^{\circ} 53'$, long. $115^{\circ} 36'$, Alberta and B.C.

Descriptive.

Thumb mountain. See Hammond.

Trapnarrows; lake, east of lake Nipigon, near headwaters of Namewaminikan river, Thunder Bay district, Ont.

There is diabase or trap at the narrows of the lake; elsewhere the rock is granite.

Trapper; peak, 9,790 feet, lat. $51^{\circ} 41'$, long. $116^{\circ} 43'$, Alberta and B.C.

Trout lake. See Embury.

Trout river. See Rosiers.

Tumbling; glacier and creek, tributary to Ochre creek, Vermilion river, about lat. $51^{\circ} 10'$, long. $116^{\circ} 12'$, Kootenay district, B.C. (Not Evelyn.)

Tupper; river, flowing into Pouce-Coupé river in Tp. 77-14-6, Peace River district, B.C. (Not South branch of Pouce-Coupé.)

After Frank Tupper, B.C.L.S., who surveyed in the vicinity.

Turgeon; river, Harricanaw river, Que. and Ont. (Not West branch of Harricanaw.)

After Hon. Adélar Turgeon, Minister of Lands and Forests, Que.

Turner; mount, 9,230 feet, lat. $50^{\circ} 51'$, long. $115^{\circ} 29'$, Alberta.

After Lieut. Gen. Sir R. E. W. Turner, V.C., K.C.M.G., C.B., D.S.O., commanding Canadian forces in British isles.

Turnor; lake, at headwaters of Churchill river, Sask.

After Philip Turnor, who surveyed lake Athabaska in 1791.

Two Mountains; lake of, expansion of Ottawa river, Que. French usage: lac des Deux-Montagnes.

After two conspicuous mountains.

Tyrwhitt; mount, 9,428 feet, lat. $50^{\circ} 35'$, long. $115^{\circ} 01'$, Alberta and B.C.

After Rear Admiral Sir R. Y. Tyrwhitt, leader of destroyer flotillas during the war.

SESSIONAL PAPER No. 25b

U

Ulverton; river, tributary to St. Francis river, near Ulverton, Drummond county, Que.
After the village.

Utikuma; lake, river and Indian reserve, north of Lesser Slave lake, Alberta. (Not Atikamek nor Whitefish.)

Indian name meaning "whitefish."

V

Vavasour; mount, 9,300 feet, lat. $50^{\circ} 46'$, long. $115^{\circ} 27'$, White Man pass, Alberta.

Lt. M. Vavasour, R.E., and Lt. H. J. Warre, aide-de-camp to the commander of forces in Canada, crossed the Rockies by "the most southern British pass," in 1845, on a military mission. (Oregon Historical Society Report, Vol. X, 1909.)

Vents (baie des). See Vin.

Victor; creek, tributary to Dip creek in lat. $62^{\circ} 38'$, long. $138^{\circ} 50'$, Yukon.

Vimy; peak, lat. $49^{\circ} 02'$, long. $113^{\circ} 51'$ and brook, Waterton lakes, Alberta. (Not Sheep mountain nor mount Wilson.)

After town and ridge in France.

Vin (baie du) (rivière du) (île du); bay, river and island, Miramichi bay, Northumberland county, N.B. (Not baie des Ouines, Beduin island, bay du Vin, baie des Vents, baie des Winds, Betty Wind, Bettaouin, nor Vin bay.)

Origin uncertain; the form, baie des Ouines, is found in a document dated 1760; Des Barres chart, 1777, shows Beduin island; a map of 1826 shows Bay du Vin island and Bay du Vin river; neither map names the bay; later maps generally make the word Vin part of the name.

W

Waddington; mount, 8,700 feet, lat. $52^{\circ} 48'$, long. $118^{\circ} 31'$, Rocky mountains, B.C.

After Alfred Waddington, British Columbia pioneer, who, in 1868, advocated a trans-continental railway through Yellowhead pass; died, 1872.

Wah-Tay-Beg lake and river. See Watabeag.

Walsh; mount, 14,498 feet, lat. $61^{\circ} 00'$, long. $140^{\circ} 00'$, St. Elias mountains, Yukon.

After Supt. James Morro Walsh; joined R.N.W. Mounted Police 1873, resigned 1883; Yukon pioneer.

Wapitagan; island, point, harbour and strait, gulf of St. Lawrence, Saguenay county, Que. (Not Ouapitougan, Ouapitagone nor Wapitagon.)

Waputik; peak, 8,977 feet, lat. $51^{\circ} 30'$, long. $116^{\circ} 19'$, Alberta.

Stoney Indian for "white goat."

Warre; mount, 9,000 feet, lat. $50^{\circ} 47'$, long. $115^{\circ} 27'$, White Man pass, Alberta.

See Vavasour.

Warrior; mount, 9,400 feet, lat. $50^{\circ} 34'$, long. $115^{\circ} 15'$, Palliser river, B.C.

After cruiser in Jutland battle, 31st May, 1916.

Watabeag; lake and river, Black river, Abitibi river, Timiskaming district, Ont. (Not Wateibig, Wataybeag, Watahbeag nor Wah-Tay-Beg.)

Watson; mount, 9,500 feet, lat. $50^{\circ} 53'$, long. $115^{\circ} 43'$, Mitchell river, B.C.

After Maj. Gen. Sir D. Watson, K.C.B., C.M.G.

Wasekamio; lake, at headwaters of Churchill river, Sask.

Cree Indian name meaning "clearwater."

Watopeka; lake, Dudswell and St. Camille townships, Wolfe county, and Stoke township, Richmond county; also river flowing from lake into St. Francis river, Richmond county, Que. (Not Wattopeka, Wattopekah, Wattapikaw, nor Wattapicah.)

The above decision confines the name of the river to the north branch; the name of the south branch is Stoke.

Watopeka lake. See Windsor.

Watopeka river. See Stoke.

Weir; river, tributary to Nelson river from northwest, Man. (Not Kesamachiskun nor Airhole.)
Translation of Indian name.

West branch of Harricanaw river. See Turgeon.

West branch of North fork of North Saskatchewan river. See Alexandra.

West branch of Whitemouth river. See St. Labre.

West Hawk; lake, Tp. 9-17-E., Man. (Not Hawk.)

Whitefish lake. See Utikuma.

White Man; mount, 9,768 feet, lat. 50° 45', long. 115° 29', south of White Man pass, Alberta and B.C.

After name of the pass, which is translation of Indian name.

Wintering; lake, west of Long lake, Thunder Bay district, Ont.

Wintering place of exploratory parties.

Wilson, mount. See Vimy.

Winds (baie des). See Vin.

Windsor; lake and brook, Watopeka river, Windsor township, Richmond county, Que. (Not Watopeka lake.)

Winikapau river. See Hamilton.

Wolverine; pass, between Vermilion river and Beaverfoot river, Kootenay district, B.C.

Woman river. See Patten.

Wood; mount, 15,885 feet, lat. 61° 13' 56", long. 140° 30' 37", St. Elias mountains, Yukon.

After Commissioner Zachary Taylor Wood, R.N.W. Mounted Police; joined 1885; died, 1915; Yukon pioneer.

Wulfsohn bay. See Lang.

2N

enclature
eographic

ie Pacific
th to the
ntimental

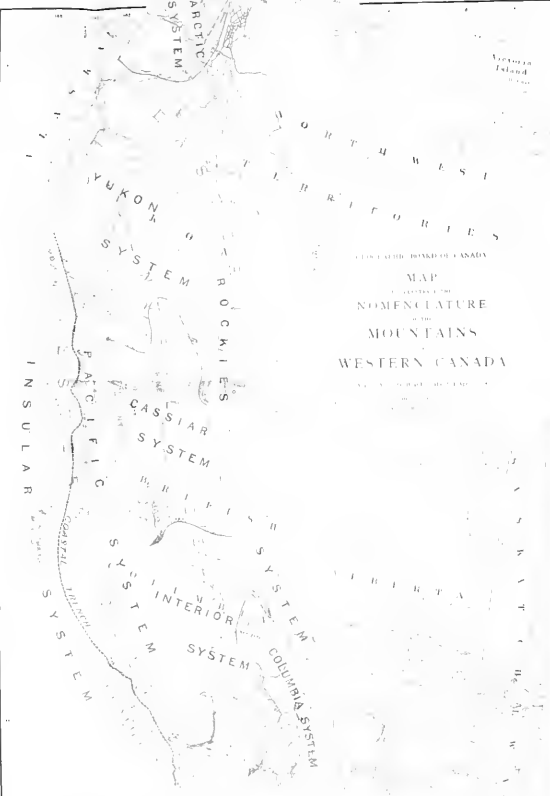
r shall be
pectively.

ively, the
its limits
ous areas.
r system.

ie Central
d by the
l, Chilkat
ench.

territorial
igh table
llowed by

Jackenzie
clude the
rk moun-
or system
tains and
ie Stikine
clude the
ling table
ll include
tains and



GEOLOGICAL BOARD OF CANADA
 MAP
 OF THE
 NOMENCLATURE
 OF THE
 MOUNTAINS
 OF WESTERN CANADA

SYMBOL	DESCRIPTION
(Symbol)	Geological boundary
(Symbol)	Topographic boundary
(Symbol)	Political boundary
(Symbol)	Meridian
(Symbol)	Latitude
(Symbol)	Coastal line
(Symbol)	Island
(Symbol)	Water body
(Symbol)	Settlement
(Symbol)	Other features

APPENDIX A

NOMENCLATURE OF THE MOUNTAINS OF WESTERN CANADA

To secure uniformity in practice the following scheme of nomenclature of the mountain masses of Western Canada has been adopted by the Geographic Board of Canada:—

1—Cordilleras of Canada

The whole vast congeries of mountains, roughly paralleling the Pacific coast of the Dominion, from the United States boundary on the south to the Arctic Ocean on the north, and forming the northern portion of the continental backbone, shall be known as the Cordilleras of Canada.

2—Belts

The Cordilleras are divided into three main broad bands, which shall be known as the Eastern belt, the Central belt, and the Western belt, respectively.

3—Systems

Each belt is divided into systems.

The Eastern belt shall include the Rockies system and, tentatively, the Arctic system of Alaska, a portion of which seems to enter Canada.

The Central belt, which is distinctive, in that it embraces within its limits a series of elevated and deeply trenched plateaus as well as mountainous areas, is divided into four systems, viz., the Columbia system, the Interior system, the Cassiar system and the Yukon system.

The Western belt shall include the Pacific system, lying between the Central belt and the Coastal trench which traverses the depression indicated by the strait of Georgia, Queen Charlotte sound, Hecate strait, Lynn canal, Chilkat river, etc., and the Insular system, lying to the west of the Coastal trench.

4—Mountains or Plateaus

Each system is divided into chains which shall each have a territorial designation followed by the term mountains. The undissected high table lands of the Central belt shall each have a territorial designation followed by the term plateau.

The Rockies system shall include the Rocky mountains, the Mackenzie mountains and the Franklin mountains; the Arctic system shall include the Richardson mountains; the Columbia system shall include the Selkirk mountains, the Monashee mountains and the Cariboo mountains; the Interior system shall include the Fraser and Nechako plateaus and un-named mountains and plateaus; the Cassiar system shall include the Babine mountains, the Stikine mountains, and un-named mountains; the Yukon system shall include the Yukon plateaus and various isolated ranges and mountains, including table lands on the drainage basin of the Liard river; the Pacific system shall include the Cascade mountains, the Coast mountains, the Bulkeley mountains and

un-named mountains; the Insular system shall include the Vancouver Island mountains, the Queen Charlotte mountains and the St. Elias mountains (in part).

5—Ranges, Groups or Plateaus

Mountains are divided into ranges or groups, ranges being elevations forming a line of summits, and groups being clusters of elevations not readily classified as ranges. Plateaus are divided into individual units, controlled by general elevation or outlined by other distinctive features.

6—Individual Features

Individual features shall be designated as mount, mountain, peak or ridge.

The above classification follows, as closely as possible, consistently with uniformity, the nomenclature adopted by Dr. G. M. Dawson, the pioneer in British Columbia geology, who, in 1879, announced the possibility of a natural division of the mountains between the 49th and 55th parallels of latitude into three broad belts paralleling the coast. It also covers the work of later geologists who have worked in the Cordilleras.

Further exploration and study of the mountains may necessitate minor changes in the classification, and some of the names may be replaced by better designations, but it is obvious that the scheme is open to modification without loss of general character.

Articles dealing with the nomenclature of the Cordilleras that may be consulted include the following:—

Descriptive Sketch of the Physical Geography and Geology of the Dominion of Canada by A. R. C. Selwyn and G. M. Dawson, 1884. (Geological Survey of Canada.)

The Physical Geography and Geology of Canada by G. M. Dawson, in the Handbook of Canada. Issued by the Publication Committee of the Local Executive of the British Association, Toronto, 1897.

North American Cordillera by R. A. Daly, 1912. (Geological Survey of Canada.)

An Outline of the Physical Geography of Canada by D. B. Dowling. (Appendix to the 13th Annual Report of the Geographic Board of Canada, 1914.)

The scheme of classification adopted is illustrated on the annexed map and amplified in the table appended to the map.

**THE PRO-
IN**

ch, 1918.

IL.

n, Alberta
82, for the
istricts of
in council
of the pro-
il of 18th

istricts was
he Yukon
ec, Ontario

rovisional
il districts
ward VII,
, 1906.
il districts
with those

he recom-
is hereby

is hereby

sional dis-
lescription

t day of

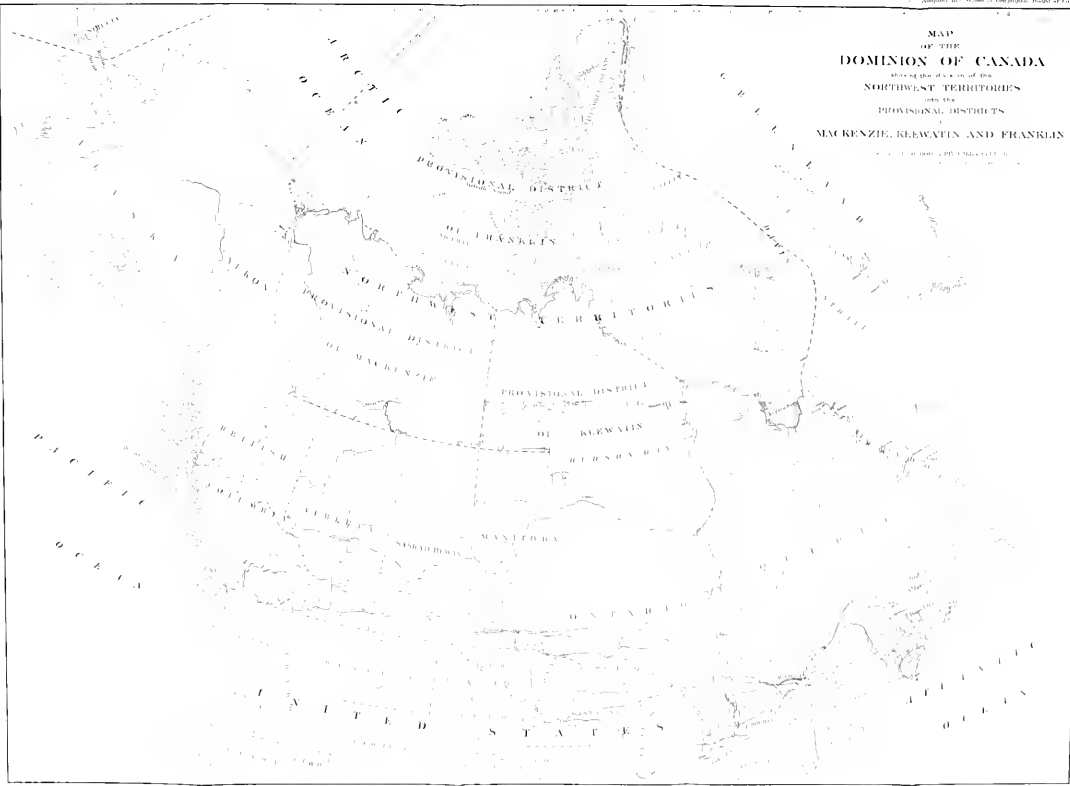
Council.

MAP
OF THE
DOMINION OF CANADA

showing the division of the
NORTHWEST TERRITORIES
into the
PROVISIONAL DISTRICTS

OF
MACKENZIE, KELOWAN AND FRANKLIN

1898



SESSIONAL PAPER No. 25b

APPENDIX B

DIVISION OF THE NORTHWEST TERRITORIES INTO THE PROVISIONAL DISTRICTS OF MACKENZIE, KEEWATIN AND FRANKLIN

AT THE GOVERNMENT HOUSE AT OTTAWA.

SATURDAY, the 16th day of March, 1918.

PRESENT:

HIS EXCELLENCY THE GOVERNOR GENERAL IN COUNCIL.

Whereas the provisional districts of Assiniboia, Saskatchewan, Alberta and Athabaska were created by order in council of 8th May, 1882, for the convenience of settlers and for postal purposes; the provisional districts of Ungava, Franklin, Mackenzie and Yukon were created by order in council of 2nd October, 1895, and the boundaries of the said districts and of the provisional district of Keewatin were further defined by order in council of 18th December, 1897:—

And Whereas by subsequent legislation a portion of the said districts was taken to form the provinces of Alberta and Saskatchewan and the Yukon Territory and another portion was annexed to the provinces of Quebec, Ontario and Manitoba.

And Whereas the Northwest Territories, consisting of the provisional districts of Mackenzie and Franklin, and portions of the provisional districts of Yukon, Keewatin and Ungava, were defined by the Act 4-5 Edward VII, Chapter 27, consolidated as Chapter 62, Revised Statutes of Canada, 1906.

And Whereas it is considered that a revision of the provisional districts is expedient and that their boundaries should be made coterminous with those of the provinces;

Therefore His Excellency the Governor General in Council, on the recommendation of the Minister of the Interior, is pleased to order and it is hereby ordered as follows:—

The above mentioned order in council of 18th December, 1897, is hereby cancelled.

The Northwest Territories are hereby divided into three provisional districts, namely, Mackenzie, Keewatin, and Franklin, according to the description and map annexed hereto.

This order in council shall come not into force until the first day of January, 1920.

RODOLPHE BOUDREAU,
Clerk of the Privy Council.

DESCRIPTION OF THE PROVISIONAL DISTRICTS OF MACKENZIE,
KEEWATIN AND FRANKLIN TO ACCOMPANY THE REPORT
OF THE MINISTER OF THE INTERIOR TO HIS EXCELLENCY
THE GOVERNOR GENERAL IN COUNCIL, DATED MARCH 14,
1918.

The provisional district of Mackenzie bound on the west by the Yukon Territory; on the south by the parallel of the sixtieth degree of north latitude; on the east by the second meridian in the system of Dominion Land surveys as the same may be hereafter defined in accordance with the said system, and on the north by the continental shore of the Arctic ocean.

The provisional district of Keewatin bound as follows:—

Commencing at the point where the second meridian in the system of Dominion Land surveys as the same may be hereafter defined in accordance with the said system intersects the continental shore of the Arctic ocean, thence easterly along the said shore to the most northerly point of Spence bay, between Franklin isthmus and Boothia peninsula; thence northeasterly in a straight line across Boothia isthmus to the most southwesterly point of Lord Mayor bay in the gulf of Boothia; thence southeasterly along the shore of the said gulf to the most southerly point thereof; thence southerly in a straight line across Rae isthmus to the most northwesterly point of Repulse bay; thence southeasterly along the middle of Repulse bay to Frozen straight; thence southerly along the middle line of Frozen straight to Fox channel; thence southeasterly in a straight line to the most northerly point of cape Wolstenholme in the province of Quebec; thence southerly following the eastern shore of Hudson bay to James bay; thence southerly following the eastern shore of James bay to the point where it is intersected by the boundary between the provinces of Quebec and Ontario; thence northerly following the western shore of James bay to Hudson bay; thence westerly following the southern shore of Hudson bay to the point where it is intersected by the boundary between the provinces of Ontario and Manitoba; thence northwesterly following the southern shore of Hudson bay to the point where it is intersected by the parallel of the sixtieth degree of north latitude; thence westerly along the said parallel to the second meridian in the system of Dominion Land surveys as the same may be hereafter defined in accordance with the said system; thence northerly along the said meridian to the point of beginning.

The provisional district of Franklin consisting of that portion of the Northwest Territories not included in the provisional districts of Mackenzie and Keewatin.

SUMMARY REPORT
OF THE
GEOLOGICAL SURVEY
DEPARTMENT OF MINES

FOR THE CALENDAR YEAR

1918

PRINTED BY ORDER OF PARLIAMENT



OTTAWA
J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1919

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.B.O., etc.,
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY,—

The undersigned has the honour to lay before Your Excellency, in compliance with 6-7 Edward VII, chapter 29, section 18, the Summary Report of the work of the Geological Survey, Department of Mines, for the calendar year ending December 31, 1918.

MARTIN BURRELL,
Minister of Mines.

To The Hon. MARTIN BURRELL,
Minister of Mines,
Ottawa.

SIR,—I have the honour to submit herewith the Directing Geologists' Summary Report of the work of the Geological Survey, Department of Mines, for the calendar year ending December 31, 1918.

I am, sir, your obedient servant,

R. G. McCONNELL,
Deputy Minister.

INDEX.

	PAGE
A.	
Accountant's statement.....	14A
Adams mine.....	4A
Aleock, F. J.....	6A
Allan, J. A.....	3A
Anderson, Niels.....	5A
Anderson, R. M.....	10A
Anderson's mine.....	4A
Anrep, A.....	7A
Anthropological division.....	11A
Anthropology, physical.....	11A
Archæology.....	11A
Auld, J. A.....	5A
B.	
Baneroff, M. F.....	3A
Barbeau, C. M.....	11A
Biological division.....	9A
Blakeley, D.....	10A
Borings division.....	9A
Botany.....	10A
Boyd, W. H.....	9A
Bruce, E. L.....	5A
Burling, L. D.....	8A
C.	
Campbell, D.....	5A
Camsell, Charles.....	2A
Clarke, G. G.....	11A
Coal seam No. 1.....	4A
" " No. 2.....	4A
" " No. 3.....	5A
" " No. 4.....	5A
Cockfield, W. E.....	1A
Collins, W. H.....	6A
Connor, M. F.....	8A
Contents of Summary Report, 1918, Parts A-G.....	20A
Cooke, H. C.....	6A
Copper.....	1A
Cox, J. R.....	9A
D.	
Dolmage, V.....	2A
Dowling, D. B.....	3A
E.	
Ellsworth, H. V.....	8A
Estevan seam.....	5A
Ethnology.....	11A
F.	
Faire de Lyon.....	8A
Faribault, E. R.....	7A
Field work, geological.....	1A
Frayne, Adams, Anderson, Makee seam.....	4A
Frayne's mine.....	4A
Freeland, E. E.....	9A
G.	
Geographical and draughting division.....	12A
Gold.....	1A

H.	
Harrington, W. H.	10A
Harvie, R.	7A
Haultain, A. G.	9A
Hayes, A. O.	7A
Hite, Thos.	5A
I.	
Ingall, E. D.	9A
Interprovincial mine.	5A
J.	
Johansen, J.	11A
Johnson, C. L.	10A
Johnston, R. A. A.	8A
Johnston, W. A.	6A
K.	
Kindle, E. M.	8A
Knowles, F. H. S.	11A
L.	
Lambe, L. M.	8A
Lawson, W. E.	8A
Library	11A
Lignite field, southeastern Saskatchewan, section.	4A
Linguistics	11A
List of maps, topographical division	9A
M.	
MacKay, B. R.	3, 7A
MacLean, A.	4A
McInnes, W.	1A
McKinnon, A. T.	8A
McLean, S. C.	9A
McLearn, F. H.	3A
Macoun, J.	10A
Macoun, J. M.	10A
Makee Bros. mine.	4A
Maps, list of, geographical and draughting division	12A
Marshall, John	14A
Massicotte, E. Z.	11A
Mayo area	1A
Mineralogical division	8A
Museum	12A
O.	
O'Neill, J. J.	2A
P.	
Palaebotany	8A
Palaontology, invertebrate	8A
" vertebrate	8A
Patch, C. L.	10A
Perron, J.	10A
Photographic division	11A
Platinum	1A
Poitevin, Eugene	8A
Publication division	13A
Publications, distribution of	11A
R.	
Reinecke, L.	2A
Rochon, J.	10A
Rose, Bruce	3A

SESSIONAL PAPER No. 26

	PAGE
S.	
Salt.....	1A
Sapir, E.....	11A
Saskatchewan Coal, Brick, and Power Company.....	5A
Saskatchewan Collieries Company.....	5A
Sauvalle, M.....	13A
Schofield, S. J.....	3A
Section, southeastern Saskatchewan, lignite field.....	4A
Sherman mine.....	5A
Siddall mine.....	5A
Smith, H. I.....	11A
Stansfield, J.....	3A
T.	
Tanton, T. L.....	6A
Taverner, P. A.....	10A
Taylorlton seam.....	5A
Teit, J. A.....	11A
Topographical division.....	8A
V.	
Victoria Memorial Museum.....	1A
W.	
Waugh, F. W.....	11A
Wells bored, list of, borings division.....	9A
Whittaker, E. J.....	8A
Williams, M. Y.....	6A
Wilson, M. E.....	6A
Wilson, W. J.....	8A
Wintemberg, W. J.....	11A
Wooloomooloo mine.....	5A
Y.	
Young, C. H.....	10A
Young, G. A.....	7A
Z.	
Zoology.....	10A

CONTENTS OF SUMMARY REPORT, 1918, PARTS A-G.

Part A: Report of the Directing Geologist: W. McInnes.....	1A
Accountant's statement: John Marshall.....	14A
Index.....	17A
Contents of Summary Report, 1918, Parts A-G.....	20A
Part B: The British Columbia office.....	1B
Mayo area, Yukon: W. E. Cockfield.....	1B
The silver-lead deposits of the Twelvemile area, Yukon: W. E. Cockfield.....	15B
Mercury deposits of Kamloops lake: C. Camsell.....	17B
Boring operations for oil in the vicinity of Vancouver, B.C.: C. Camsell.....	22B
Copper mountain, Gun creek: C. Camsell.....	25B
Platinum investigations in British Columbia: C. Camsell.....	28B
Platinum situation in Canada.....	30B
Quartz in sand and certain mineral deposits of the west coast of Vancouver island, B.C.: V. Dolmage.....	39B
Cariboo gold fields, B.C.: B. R. MacKay.....	39B
Britannia map-area: S. J. Schofield.....	56B
Ainsworth mining district, B.C.: S. J. Schofield.....	60B
Lardeau map-area, B.C.: M. F. Bancroft.....	62B
Index.....	65B
Part C: Cretaceous, Lower Smoky river, Alberta: F. H. McLearn.....	1c
Geology of the Swan hills in Lesser Slave Lake district, Alberta: J. A. Allan.....	7c
Northern part of Crowsnest coal field, Alberta: B. Rose.....	13c
Gasoline in natural gas. Experiments on Alberta gas: D. B. Dowling.....	17c
Surface deposits of southeastern Saskatchewan: J. Stansfield.....	42c
Index.....	49c
Part D: Athapuskow Lake district, Manitoba: E. L. Bruce.....	1d
District lying between Reed lake and Elbow lake, Manitoba: E. L. Bruce.....	2d
Reed-File Lakes area, Manitoba: F. J. Alcock.....	6d
Wekusko Lake area, Manitoba: F. J. Alcock.....	9d
Superficial deposits and soils of Winnipegosis area, Manitoba: W. A. Johnston.....	11d
Gold-quartz veins and scheelite deposits in southeastern Manitoba: E. L. Bruce.....	11d
Index.....	17d
Part E: The Canadian National railways between Longlac and Oba, northern Ontario: T. L. Tanton.....	1E
The ore deposits of Condreau and Magpie-Hawk areas, in Michipicoten district, Ontario: W. H. Collins.....	4E
Oil fields of southwestern Ontario: M. Y. Williams.....	30E
Index.....	43E
Part F: Investigations in western Nova Scotia: E. R. Faribault.....	1F
Investigations in Nova Scotia and New Brunswick: A. O. Hayes.....	5F
Peat investigations, New Brunswick: A. Anrep.....	31F
Index.....	33F
Part G: The platinum situation in Canada 1918: J. J. O'Neill.....	1G
Index.....	17G

Maps.

No. 1741. Sketch map of Copper mountain, Gun creek, Lillooet mining division, B.C.....	26B
1745. Occurrences of platinum in Canada.....	5G
1750. The geological structure of the oil regions of Lambton county and adjacent portions of Middlesex and Kent counties, Ontario.....	31E

SUMMARY REPORT, 1918, PART A.

REPORT OF THE DIRECTING GEOLOGIST.

By William McInnes.

INTRODUCTION.

During the season of 1918, the work of the Geological Survey was devoted more than ever to the investigation of areas and deposits that promised to be of economic importance. The number of field parties was fewer than in the period before the war, but investigations were carried on in all parts of Canada. In Yukon, particular attention was given to lode deposits upon which the establishment, there, of a permanent mining industry must depend. In British Columbia, the field parties were placed in areas where geological work seemed to be most greatly needed to help in their commercial development; and particular attention was given to the investigation of the platinum situation and to the prospects of securing a greater supply of that mineral which was then so urgently needed for the purposes of the war. Further work was done in the coal areas of western Alberta; and in the Great Plains area and to the north of it further progress was made in working out the structure of the rocks and its bearing upon the occurrence of oil and gas.

The examination of areas in northern Manitoba in which important copper sulphide deposits and gold-bearing veins occur, was continued and the extent of the areas more closely defined.

The geology of several areas in northern Ontario was studied; the pyrite deposits were specially investigated; and further structural work was done on the central Ontario oil fields.

Important mineral areas were mapped geologically in Quebec and in the Maritime Provinces; and at Malagash, in Nova Scotia, a deposit of salt and associated minerals was examined. The deposit is of interest both because it is the first bed of salt to be discovered in eastern Canada and because of its promising nature from an economic standpoint.

The continued use of the Victoria Memorial Museum building by the Parliament of Canada restricted the operations of the divisions that are more closely connected with museum work and their investigations in the field were curtailed or discontinued. A summary of the activities of these divisions during the year and of the Mineralogical, Topographical, Draughting, Photographical, and Publishing and Distribution divisions is given in the following pages.

GEOLOGICAL FIELD WORK.

W. E. Cockfield spent the greater part of the field season of 1918 examining the mineral resources of Mayo area, upper Stewart River district, Yukon Territory. This area is attracting attention since it is the only region in central Yukon in which, as yet, promising lode deposits have been located in considerable numbers. The lodes carry values in silver and lead, gold and silver, or tungsten. Mr. Cockfield also made a preliminary examination of the high grade silver-lead deposits of Spotted Fawn gulch, Twelvemile area, Yukon. Reports by Mr. Cockfield on these two areas have been published in Part B of the Summary Report for 1918.

Charles Camsell, besides undertaking work involved in the establishing and maintaining of a branch office of the Geological Survey, in Vancouver city, British Columbia, also examined during the field season of 1918 a number of mineral-bearing areas in the southern part of the province. He visited the mercury deposits at Copper creek on the north side of Kamloops lake. The information thus gained, together with notes on other occurrences of ores of mercury in the vicinity of Kamloops lake, on Sechart channel on the west coast of Vancouver island, and elsewhere in British Columbia, has been published in Part B of the Summary Report for 1918. Mr. Camsell also investigated the boring operations being conducted in the search for petroleum in the vicinity of Vancouver city and certain platinum-bearing occurrences in the Tulameen district and elsewhere. Reports on these subjects have been published in Part B of the Summary Report for 1918.

Mr. Camsell also examined the copper deposits of Copper mountain on Gun creek, Lillooet mining division. In a report on this locality published in Part B of the Summary Report for 1918, he points out the possibility of the existence of large, low grade copper deposits and of other valuable mineral deposits.

V. Dolmage spent the 1918 field season investigating the mineral resources and geology of Quatsino sound on the west coast of Vancouver island and also visited a number of other mineral occurrences on the west coast of the island. Copper, iron, gold, and coal are found in deposits along the shores of Quatsino sound and producing copper properties are located on Sydney inlet and near the entrance to Alberni canal. A report giving some of the results of the examinations made by Mr. Dolmage, has been published in part B of the Summary Report for 1918.

J. J. O'Neill spent the summer of 1918 in British Columbia, visiting the various smelters and the more important localities from which platinum had been reported. The information thus gained, together with all other available information relating to Canadian platinum possibilities, has been published in Part G of the Summary Report for 1918. In this report, Mr. O'Neill calls attention to the possibility of Canada becoming an important producer of platinum and makes various suggestions regarding the efforts necessary to attain such an end.

L. Reinecke during the summer of 1918, began an investigation of the mineral resources of a belt of country lying along the Pacific Great Eastern railway between Lillooet and 150-Mile House of the Cariboo wagon road.

The mineral products of the region covered have a wide range, and include both metallic and non-metallic deposits, some of them of a promising character. The deposits examined include gold-copper ores, chromite, molybdenite, clay, gypsum, epsomite, hydromagnesite, soda, muscovite, and the ornamental or gem-stone peridot.

The gold-copper ores, molybdenite and peridot, occur on Timothy mountain in the Cariboo district. Chromite is found in serpentines on Scottie creek about 90 miles north of Ashcroft. Muscovite-mica occurs in pegmatite dykes on the Cariboo mountains between Clearwater and Crooked lakes. Hydromagnesites are found as partly consolidated earthy beds, flooring areas of considerable size in the valley bottoms.

The deposits of clay include residual clays which might well be prospected for high grade fireclays and kaolin.

The beds of small, land-locked lakes near Clinton farther north, yield epsomite and sodium carbonate of comparative purity, in fairly large amount, and of these the epsomite deposit is being worked on a small scale.

A description of the various deposits will be given in a report now in preparation, and a preliminary account will be found in a paper contributed to the Canadian Mining Institute and published in the August, 1919, and following bulletins.

SESSIONAL PAPER No. 26

B. R. MacKay spent the greater part of the 1918 field season in making a preliminary examination of the Cariboo gold fields, British Columbia. In his report published in Part B of the Summary Report for 1918, Mr. MacKay gives a general account of the present status and future possibilities of this very important placer gold district.

S. J. Schofield during the season of 1918 commenced an examination of the Britannia mining area on Howe sound, British Columbia. A report by Mr. Schofield, published in Part B of the Summary Report for 1918, contains a brief account of the results obtained during the first season's work at this important copper camp. Mr. Schofield also spent part of the field season revising and obtaining additional information regarding the ore deposits and geology of Ainsworth mining district, British Columbia. A short report published in Part B of the Summary Report for 1918 presents some of the additional conclusions regarding the geology of this area.

M. F. Baneroft during the field season of 1918 continued his investigation of the general geology and mineral deposits of the Lardeau district, British Columbia. In a brief report published in Part B of the Summary Report for 1918, Mr. Baneroft indicates the general situation as regards mining and development work in this district which contains so many silver-lead-zinc, gold, and other properties and prospects.

F. H. McLearn during the field season of 1918 made a geological examination of the section exposed along the lower part of Smoky river, a tributary of Peace river, western Alberta. This work was carried out in connexion with the general study of the conditions governing petroleum occurrences in Alberta and in his report published in Part C of the Summary Report for 1918, Mr. McLearn sets forth some of the general facts obtained and conclusions arrived at, that bear on the Peace River oil field and its possible southward extension into the Smoky River area.

J. A. Allan during the field season of 1918 made a geological examination of the Swan Hills district lying south of Lesser Slave lake, Alberta. This work was undertaken for the purpose of aiding in the correlation of the geology of the Peace River area and that of Edmonton district and central Alberta, to elucidate various problems in connexion with the general and economic geology. Some of the results obtained are set forth in a report by Mr. Allan, published in Part C of the Summary Report for 1918.

Bruce Rose during the field season of 1918 continued the general investigation of the coal resources and geology of southern Alberta and British Columbia. The work during 1918 was carried on about the headwaters of Oldman and Livingstone rivers within the Rocky mountains, and of Willow creek and tributaries in the foothills, thus completing the mapping of the Crowsnest coal field in Alberta. As stated in a brief report by Mr. Rose, published in Part C of the Summary Report for 1918, a large area of undeveloped coal lands forms the northward extension of the Crowsnest coal field, and from surface indications, compares favourably with the producing area to the south.

D. B. Dowling during the field season of 1918 carried on experimental work designed to ascertain the calorific value and also the commercial value of the natural gas of the Alberta field for the production of gasoline. A full description of the methods adopted and the results obtained is contained in a report published in Part C of the Summary Report for 1918.

J. Stansfield during the 1918 field season examined the surface deposits of a district in the southeastern part of Saskatchewan adjacent to Manitoba on the east and the United States on the south. In a report published in Part C of the Summary Report for 1918, Mr. Stansfield supplies information regarding the soil, and underground water supplies of this district.

A. MacLean examined during the summer of 1918 an area in southeastern Saskatchewan between the Manitoba-Saskatchewan boundary and the west side of range 21, W. 2nd mer., and from the International Boundary to the north side of township 8.

Mr. McLean reports that as a result of this year's work the section published last year can now be extended to include beds measuring 30 or 40 feet in thickness in the southern part of tp. 1, ranges 5 and 6, W. 2nd mer., and another lignite seam added lying about 50 or 60 feet above the top seam in the section previously given. In Saskatchewan three mines have worked this seam, (Frayne's, Adams', and Anderson's mines) and in north Dakota at least one mine, that of Makee Bros., situated a few yards south of the International Boundary and about 10 miles west of Portal.

Condensed Section, Southeastern Saskatchewan Lignite Field.

No.	Material.	Thickness.	Mines working.
		ft.	
1	Light yellow sands overlying sandy clays.....	70	Frayne, Adams, Anderson.
	Lignite.....	5	
	Sandy clays.....	40	
2	Buff sandstone.....	15	Occurs only in Roche-Percee district, eroded at Estevan.
	(Lignite with banded clays.....	2	
	Grey clay.....	3	
	Lignite.....	5	
3	Sand and silt.....	20	Upper Estevan seam. All mines at Estevan except Wooloomooloo.
	Lignite at Estevan and Bienfait 7 to 10 feet.....	4	
4	Stiff, blue-grey clay or in some cases incoherent sand 20 to 50 ft.....	25	See note below.
	Lignite Taylorton seam.....	6	
	Dark grey clays and sands.....	130	
	Lignite.....	2	
5	Sands and clays.....	207	
	Lignite.....	4	
6	Clays and sands with streaks of lignite.....	209	
	Lignite.....	4	
	Blue clays and sands.....	186	
	Shales extending to at least 500 ft.....		

The areal extent of the various seams in the Estevan, Roche Percee, Bienfait district, was established as closely as the scarcity of exposures and drill records, and the irregularity of the beds allowed.

Seam No. 1. The top seam (Frayne, Adams, Anderson, Makee seam) is found only in the highest land south of Roche Percee and between North Portal and Short Creek. It has not been identified outside of a rectangle extending from Short Creek eastward for 8 miles and from the boundary northward for 4 miles. Southward it probably extends for a considerable distance into North Dakota, but it was not traced beyond the Makee mine. To the north of the Souris valley, near Taylorton and eastward from this, there is an irregular occurrence of a 4-foot seam whose relationships are somewhat similar to this seam. It may be that these two beds of lignite should be correlated with one another, but sufficient evidence is not yet at hand to do so.

Seam No. 2. (The top of first workable seam of the section given in the 1917 summary.) This seam has its maximum development in the district closely adjacent to Roche Percee and to the south of the river where it is worked by the

SESSIONAL PAPER No. 26

Saskatchewan Collieries Company, J. A. Auld, Duncan Campbell, and others. It is not well marked to the west of Short creek and to the east it has not been observed in wells drilled in the middle of tp. 1, range 5, W. 2nd mer. Hence its limits as at present known may be taken as practically the same as for the seam above, except that it extends for about a mile farther north than the upper seam, or to its outcrop in the south bank of the Souris valley. To the north of the river it is split up into narrow unworkable seams.

Seam No. 3. The upper Estevan seam (previously called the second workable seam) is now worked only in the Roche Percee and Estevan districts. At the former place it is worked in the Siddall mine in Short creek and the Interprovincial mine just across the river from the village. At Estevan all the mines with the exception of the Woolloomooloo are operating on this seam, and in addition there is one mine on Long creek near Wood End. The Sherman mine near Bienfait was working on this seam but has not been in operation for some time. In general terms it may be said to extend throughout tp. 1, range 6, and tps. 1 and 2, ranges 7 and 8, W. 2nd mer. In the north part of tp. 2, ranges 7 and 8, it is for the most part removed by erosion, as it is also in the neighbourhood of Bienfait. To the southeast of Estevan, near Shand, it becomes so thin as to be unworkable, but beyond Shand in the same direction it thickens again until at Roche Percee it is well represented in the Interprovincial mine. Although at Bienfait this seam has been eroded, the dip of the beds should bring it into the section between this place and Taylorton. No lignite bed of its character occurs there, however, and the probability is that it ends in a sand bed.

Seam No. 4. The lowest lignite bed worked in the district, the Taylorton seam, has the widest extent and is probably the most consistent. It is worked by Niels Anderson in sec. 28, tp. 1, range 8, W. 2nd mer.; by the Woolloomooloo mine at Estevan; by the Saskatchewan Coal, Brick, and Power Company at Shand; and by all the mines at present operating in the Bienfait-Taylorton district. Six miles west of the Anderson mine above mentioned, Mr. Thos. Hite of Estevan, reports 14 feet of coal in a well at 114 feet, which lignite is probably an extension westward of this seam. To the east of Taylorton it occurs for only a short distance and then is lost in an accumulation of sand which marks the encroachment of sand bars and shoals on the vegetation preserved in the lignite beds. The extension northward of the seam is for the most part limited. The beds rise toward the north and this brings the lignite to the surface a short distance north of Estevan in tp. 2, range 8. In general terms it may be said to extend throughout tps. 1 and 2, ranges 6, 7, 8, and 9, W. 2nd meridian.

As the seams below this (represented at depths of 200 feet, 400 feet, and 625 feet at Taylorton) are only encountered in bore-holes which penetrate to these depths, their distribution and extent is even more difficult to determine. It is probable that their eastern extent is to be found near Oxbow where remnants of a seam are encountered at a depth of about 400 feet on the higher elevations of the old eroded glaciated surface. To the east of this the erosion was even greater and but few traces of the lignite beds are left. Westward from Estevan the few records at present available point to the extension of lignite bearing beds as far west as the Big Muddy valley, but it cannot yet be said to what horizon the coal seams in them belong.

E. L. Bruce during the field season of 1918 carried on work in connexion with the general and economic geology of the Athapapuskow Lake district, Manitoba, where new finds prove that the area of copper-bearing formations extends much farther than previously supposed and also show that additional types of deposits are present. Mr. Bruce in a report published in Part D of the Summary Report for 1918 records the new developments and directs attention to general conditions governing mineral production in the district.

Mr. Bruce during 1918 also visited a district in the vicinity of Falcon and Star lakes in southeastern Manitoba in order to examine and sample certain gold quartz veins reported to carry appreciable amounts of platinum, and also to examine certain deposits of scheelite. The results of his investigations are contained in a report published in Part D of the Summary Report for 1918.

Mr. Bruce in 1918 likewise investigated and mapped a large district lying between Reed lake and Elbow lake in northern Manitoba, and situated between the two important mineral-bearing areas of, respectively, the Amisk-Athapapuskow and the Wekusko Lake districts. A general report by Mr. Bruce on this district is contained in Part D of the Summary Report for 1918.

F. J. Alcock spent the greater part of the field season of 1918 in the Reed and File Lakes region of northern Manitoba adjoining on the northeast the area above referred to as having been examined by Mr. Bruce. Mr. Alcock described the geology and economic possibilities in a brief report published in Part D of the Summary Report for 1918.

Mr. Alcock spent a part of the field season in the Wekusko Lake area, Manitoba, completing the work of the previous season. In a report published in Part D of the Summary Report for 1918, Mr. Alcock gives further notes on the geology and some of the more important gold deposits of the district.

W. A. Johnston during the field season of 1918 completed the examination of the soils and superficial deposits of a large district in Manitoba bordering the southern part of lake Winnipegosis and extending westward to the foot of Duck mountain. A large area within the district is available for homestead entry and the work being carried on by Mr. Johnston was performed largely in order to supply prospective settlers with information regarding the general character of the district and to indicate the areas most suitable for settlement.

T. L. Tanton during the field season of 1918 examined an area approximately 35 miles wide and extending for about 125 miles along the Canadian National railways, formerly the Canadian Northern, between Gogama and Nipigon stations, western Ontario. The work was undertaken for the purpose of obtaining information regarding the mineral resources of the district and in a report published in Part E of the Summary Report for 1918, Mr. Tanton gives an account of the results obtained.

W. H. Collins during the field season of 1918 carried on field work in two considerable areas in Michipicoten district, Ontario, one in the vicinity of Goudreau, and the other in the neighbourhood of Magpie and Hawk Junctions on the Algoma Central railway. Extensive pyrite deposits occur in these areas, in some cases affording a large production; important bodies of iron ore are also present as well as gold-bearing deposits. A full description of these two areas has been published in Part E of the Summary Report for 1918.

M. Y. Williams during the field season of 1918 continued his investigation of the oil fields of southwestern Ontario. In a report published in Part E of the Summary Report for 1918, Mr. Williams presents some of the results obtained from his field work.

H. C. Cooke spent the field season of 1918 in completing the geological examination of twelve townships surrounding and including the Matachewan gold discoveries made in 1916. The origin of the gold deposits, their nature and mode of occurrence has been determined. The data so obtained are expected to be useful in other explorations for gold in the general region.

M. E. Wilson spent the early part of the 1918 field season in an examination of an area adjacent to the village of Maniwaki, Quebec, at the termination of the Gatineau Branch of the Canadian Pacific railway, where a number of important molybdenite and other mineral deposits occur. The latter part of the season was spent in continuing the study of the district in the vicinity of Renfrew, Ontario. Mr. Wilson also paid short visits to a number of localities of economic interest outside of the above areas.

SESSIONAL PAPER No. 26

R. Harvie during the field season of 1918 was engaged, under the direction of the War Trade Board, in special work connected with the production of chromite ores from the Thetford-Black Lake district, Quebec.

G. A. Young was engaged during the field season in the study and mapping of the geology of a district in the Eastern Townships of Quebec represented by the "Sutton sheet", one of a series of topographic maps on a scale of 1 inch to 1 mile, published by the Department of Militia and Defence. This district has an area of about 460 square miles and extends from the National Boundary northward to Knowlton on the east and almost to Farnham on the west. The Department of Militia and Defence has now published a number of topographical sheets, each representing an area of about 460 square miles and which, combined, represent a large region extending from the International Boundary northeastward to and beyond Richmond. This region is the southwestern portion of that economically important mineral-bearing area of southeastern Quebec which embraces the hilly and mountainous country extending northeastward from the Vermont border towards Gaspé and has long been known because of its important deposits of copper, chromite, asbestos, and other mineral products. A proper understanding of the economic possibilities of the region must be based on a detailed study of the general geology and structure of the region. The general geology of the region is intricate and, although since an early date it has been the subject of much attention by the Geological Survey, yet the lack of adequate topographical maps has greatly retarded progress. Now that such maps are available it is possible to commence a systematic study of the various geological problems and with that end in view, Mr. Young was instructed to commence work in the southwestern end of the mineral-bearing region.

B. R. MacKay in the early part of the field season of 1918 completed the geological mapping of the Beauce gold fields, Quebec.

E. R. Faribault during the 1918 field season continued the topographical and geological work already commenced in Shelbourne county, Nova Scotia. Mr. Faribault also examined deposits of manganese at Black Rock, Colchester county, Nicholsville, Kings county, and Salem Road, Cumberland county. An account of these deposits, together with notes on various occurrences of platinum in Nova Scotia, is contained in a report by Mr. Faribault published in Part F of the Summary Report for 1918.

A. O. Hayes spent a part of the field season of 1918 revising the structural geology of the southeastern part of the Sydney coal field, Nova Scotia, in order to locate more definitely the outcrops of certain workable coal seams. He also made brief examinations of the St. Rose and Chimney Corner coal field, Inverness county, the New Campbellton coal field, Victoria county, and the Kemp-ton coal field, Colchester county. Mr. Hayes also examined the zinc-lead-copper deposit at Stirling, Richmond county, an occurrence of sericite schist near Louisburg, and a manganese deposit on Gowland mountain near Elgin Corner, New Brunswick.

Mr. Hayes also visited a recently discovered deposit of salt at North Shore, Malagash peninsula, Colchester county, Nova Scotia. This salt deposit is the first to be developed by mining operations in the Maritime Provinces.

The results of the various examinations made by Mr. Hayes, together with an account of the manganese deposits of New Ross, Lunenburg county, Nova Scotia, are contained in a report published in Part F of the Summary Report for 1918.

A. Anrep examined a number of peat bogs in New Brunswick. Details of the character, extent, and value of the bogs visited are given in a report by Mr. Anrep, published in Part F of the Summary Report for 1918.

VERTEBRATE PALÆONTOLOGY.

L. M. Lambe during 1918, was principally engaged in the study of materials from the Edmonton and Belly River Cretaceous included in collections of recent years. A number of collections of fossils made by officers of the department and others have been determined and reported upon. No field work was done. During the course of the year C. M. Sternberg engaged in the preparation and permanent mounting of various specimens, as also did G. F. Sternberg during the first half of the year up to the time of his resignation.

INVERTEBRATE PALÆONTOLOGY.

E. M. Kindle, besides examining several sections in the lower Ottawa valley, visited point Pelee in order to prepare for the Department of Public Works, a report on the cause of the very active erosion in progress there. In this work he was assisted by E. J. Whittaker.

The needs of Parliament for more space in the Victoria Museum necessitated early in the year the removal of the offices of this division to another building. The transfer and rearrangement of the extensive study collections occupied considerable time and materially interfered with office work. E. M. Kindle continued his work on the Mackenzie River Devonian fossils. L. D. Burling continued his work on the Cambrian fauna of British Columbia. A number of special reports on fossils were prepared for officers of the department.

PALÆOBOTANY.

W. J. Wilson continued the study and cataloguing of palæobotanical collections belonging to the Survey.

MINERALOGICAL DIVISION.

R. A. A. Johnston and his staff, consisting of Eugene Poitevin, H. V. Ellsworth, and M. F. Connor, carried on during the year the usual mineralogical work. The number of inquiries received for information regarding Canadian ores and minerals and their commercial application is markedly increasing. During the field season Mr. Poitevin spent several months in British Columbia investigating certain areas of basic eruptives which it was considered might possibly contain platinum in commercial quantities. Mr. Poitevin also spent some time in the Black Lake-Thetford Mines area, Quebec, in a continuation of his study of the mineralogy of this district. Mr. Ellsworth spent some time in the field collecting specimens for museum and laboratory purposes.

A. T. McKinnon was engaged during the year in cataloguing museum specimens and also continued in charge of the distribution of collections for educational purposes and of the collecting of materials for the same.

During the year considerable progress has been made in arranging, on two floors of the building at 227 Sparks street, a display of the economic minerals of Canada. A special collection of Canadian economic minerals together with photographs and necessary display cases, was prepared and despatched for the *Faire de Lyon*, France.

TOPOGRAPHICAL DIVISION.

The division sustained an irreparable loss in the death of one of the ablest topographers, Major W. E. Lawson, who died, from wounds received in France, on August 29, 1918.

SESSIONAL PAPER No. 26

During the year the following topographers were still serving with the Canadian Expeditionary Force: S. C. McLean, A. G. Haultain, J. R. Cox, and E. E. Freeland.

W. H. Boyd, chief topographer, furnishes the following table showing the mapping work carried on during the field season by the division.

Locality.	Field scale.	Contour interval.	Topographer in charge.
Britannia Beach, British Columbia.....	35000	100	K. G. Chipman.
Coquihalla river, British Columbia.....	45000	100	F. S. Falconer.
North Thompson river, British Columbia.....	45000	100	D. A. Nichols.
Townships 47 to 55, ranges 5 to 16, west 4th mer., Alberta.	125000	100	A. C. T. Sheppard.
Calabogie, Ontario, and Sydney, Nova Scotia.....	35000	.....	C. H. Freeman.

BORINGS DIVISION.

E. D. Ingall, chief of the borings division, reports that during the year the work continued along the lines heretofore followed. The work of collecting records of borings and sets of samples from the strata passed through was greatly facilitated in certain districts by the co-operation of the field geologists of the Geological Survey. Studies were made, microscopically and otherwise, of sets of samples from a number of wells in different parts of Canada. The results obtained and the correlations arrived at were communicated to the drillers for their use in the prosecution of their operations. Similar aid was rendered in a number of cases through a search of the published geological literature for data relating to districts where borings are in contemplation, or in progress, in search for water, natural gas, or petroleum. In various other ways service was rendered to these interests throughout Canada.

	No. of bags sent out.	No. of samples received.	No. of wells from which samples received.	No. of records received.	No. of circulars sent out.
Maritime provinces.....	2,500	2,606	12	11	} 460
Quebec.....	100	26	1	31	
Ontario.....	7,495	3,371	14	51	
Northwest provinces.....	1,400	697	6	402	
British Columbia.....	450	.....	.....	2
	11,945	6,700	33	469	460

BIOLOGICAL DIVISION.

The work of the division was interrupted in January, 1918, on account of the necessity of moving the offices from the Victoria Memorial Museum building to make room for the needs of Parliament. The staff of the biological division were given new quarters on the fourth floor of the Lowe-Martin building on Nepean street, Ottawa. The herbarium and study collections of mammals, birds, and invertebrates were moved at the same time, so that the scientific work of the division was continued, although public exhibition was suspended.

In March, 1918, the dismantling and tearing down of the old Fisheries Museum on Queen and O'Connor streets, gave opportunity to obtain a large collection of casts of fishes and a quantity of other marine material, as well as some mammal and bird specimens. The Department of Marine and Fisheries is to be thanked for the interesting zoological material obtained on the occasion of the closing of the Fisheries Museum.

Botany.

John Macoun continued during the year his botanical work on Vancouver island. The collections made by Mr. Macoun will be added to the herbarium of the Geological Survey.

James M. Macoun has spent much time in the work of the whole division as well as in the determination of specimens sent in by correspondents and collectors from all parts of Canada. During the summer of 1918 Mr. Macoun made extensive collections in Jasper Park, Alberta, carrying on a general biological investigation of the various life zones of the park, particularly on the upper Athabaska river and Shovel Pass region. Mr. Macoun's work was an attempt to carry on to completeness the results of former years' investigation of this park region from the beginning to the end of the flowering season.

In addition to the collections made by the staff during the year, the Dominion Herbarium has received 315 specimens (donated), as well as the collection of the late W. H. Harrington, of 295 Gilmour street, Ottawa, consisting of 1,619 mounted sheets and 81 small bottles of seeds, presented by Mrs. Harrington, June 4, 1918. The plants mounted during the year number 2,789; plants distributed, 2,063.

Zoology.

R. M. Anderson, zoologist (in charge of mammals), gave attention during the year to the study of the zoological material collected while on the Canadian Arctic Expedition from 1913 to 1916, particularly the mammals and birds. He has also spent considerable time in reading and editing manuscripts and proofs of the technical biological reports, both terrestrial and marine, of the said expedition. The arrangement and classification of the already extensive collections of the Geological Survey have been carried on. In September and October, 1918, at the request of the Department of the Interior, Mr. Anderson spent several weeks inspecting wild life sanctuaries in the provinces of Saskatchewan and Alberta.

P. A. Taverner, zoologist (in charge of birds), has devoted much of his time to the study and classification of the extensive collection of birds already in the possession of the department. One thousand three hundred new specimens of birds were added to the collection during 1918. In the early summer of 1918, Mr. Taverner made a reconnaissance and collecting trip by boat along the Rideau canal, river, and lakes, from Ottawa to Kingston, and later in the summer a similar trip was made from Ottawa to the mouth of the Ottawa river in company with Clyde L. Patch.

C. H. Young spent the season from April 23 to October 2, in the vicinity of Shoal lake, Manitoba, completing the collections made there the previous season by Mr. Taverner and Mr. Young. Mr. Young's collections for the season consisted of 622 birds and 15 mammals.

Clyde L. Patch and the other members of the preparatory staff were engaged in the preparation of small bird and mammal groups for exhibition when space becomes available in the museum. Claude L. Johnson continued his work of preparing accessories for groups and backgrounds for exhibition material, and also made some coloured drawings for illustrating bulletins of the department. D. Blakeley prepared birds and mammals which came to the museum, as well as cleaned, degreased, and remade old skins in the collection. J. Perron continued his work of scraping, tanning, and dressing large mammal skins for storage and mounting. Joseph Rochon continued the work of cleaning and bleaching the accumulated collection of mammal skulls in the museum, putting them in shape for scientific examination, finishing about 1,000 skulls, and beginning the cleaning and mounting of a series of small mammal skeletons for exhibition in the museum.

SESSIONAL PAPER No. 26

J. Johansen continued his work on botanical, entomological, and marine specimens collected on the Canadian Arctic Expedition, from 1913 to 1916, for the first three months for the Geological Survey and for the balance of the year for the Department of Naval Service. A considerable number of specimens of invertebrates collected on former northern expeditions were overhauled, catalogued, and sent away for determination, in connexion with the series of Arctic reports now being published.

ANTHROPOLOGICAL DIVISION.

Ethnology and Linguistics.

Owing to the economies enforced by the war, the field work undertaken during 1918 was less than in normal years. The hall of Canadian anthropology in the Victoria Memorial Museum remained closed to the general public. A special exhibit of Indian handicrafts was provided in collaboration with the Department of Indian Affairs, for the Central Canada Exhibition.

E. Sapir was engaged chiefly in research work in connexion with materials previously collected. C. M. Barbeau conducted a folklore and ethnographic survey of certain groups of French peasants in Temiscouta and Gaspé counties, Québec. E. Z. Massicotte carried on folk-lore research in the Montreal district. F. W. Waugh carried on scientific researches among the Iroquois Indians at Grand River reserve, Ontario. J. A. Teit could devote only part of his time in 1918 to the services of the Survey.

Archæology.

The hall of Canadian archæological exhibits in the Victoria Memorial Museum during 1918 remained closed to the general public. Archæological field work has been practically stopped for two years in order to enforce war economy. In 1918, H. I. Smith accompanied one of the geological field parties working in southern British Columbia and secured much information of archæological interest. W. J. Wintenberg throughout the year engaged in research work in the office.

Physical Anthropology.

F. H. S. Knowles continued various lines of work in connexion with physical anthropology.

PHOTOGRAPHIC DIVISION.

G. G. Clarke and staff, as in former years, performed a large amount of photographic work, much of it of a highly technical character and very essential in connexion with the work of the topographical and draughting divisions. During the year over 17,000 negatives, plates, prints, etc., were developed or otherwise treated.

LIBRARY.

The main library remained in the Victoria Memorial Museum and a small branch library was continued in the temporary offices of the Geological Survey. During the year, 940 volumes, pamphlets, and maps were received as gifts or exchanges, and 245 books were purchased.

DISTRIBUTION OF PUBLICATIONS.

During the year 1918, 43,800 publications of the Geological Survey, exclusive of French editions, were distributed. Of these, 31,072 were distributed in compliance with written and personal requests, and 12,728 were sent to addresses on the mailing lists.

In the case of French translations of Geological Survey publications, the Publishing and Translating Division, Department of Mines, reports that during 1918 they distributed 11,901 copies. Of these, 9,455 were distributed in compliance with written and personal requests, and 2,446 were sent to addresses on the mailing lists.

MUSEUM.

Owing to the continued occupation of the Victoria Memorial Museum by Parliament the greater part of the exhibits of the National Museum during 1918 were in storage or not open to the public. The exhibit of Canadian economic minerals in the premises at 227 Sparks street has continued to be open to the public and has been further enlarged. The work of preparing exhibits for the National Museum was continued by the various divisions.

The practice of providing illustrated lectures to the public on topics of general interest was continued throughout the year, though such lectures had to be given elsewhere than in the Victoria Museum. Altogether twenty-eight lectures were given, on twenty-one subjects, by fourteen lecturers.

GEOGRAPHICAL AND DRAUGHTING DIVISION.

C.-Omer Sénécal reports that during 1918, twenty-three new maps were published, and at the close of the year seven other maps were in the hands of the King's Printer for engraving or printing. At the same date, sixty-two other maps in various stages of compilation or preparation for publication remained with the division. As usual, a large number of sketch maps, diagrams, text figures, and other drawings were also executed. Mr. Sénécal also attended to the duties required of him as a member of the Geographic Board.

Maps in Hands of the King's Printer, December 31, 1918.

Publication number.	Title.	Date of requisition.
1584	Blairmore, Alberta. Geology; scale, $\frac{1}{32500}$	Sept. 6, 1918.
1585	Mackenzie River basin; scale, 50 miles to 1 inch.....	Aug. 28, 1918.
1691	Buckingham, Ottawa and Labelle counties, Quebec; scale, 1 mile to 1 inch.....	Oct. 2, 1917.
1705	Thetford, Quebec. Topography; scale, 4,000 feet to 1 inch.....	Feb. 8, 1918.
1706	Anyox, Observatory inlet, Cassiar district, British Columbia. Topography; scale, $\frac{1}{12500}$	March 23, 1918.
1707	New Glasgow, Pictou county, Nova Scotia. Topography; scale, $\frac{1}{24000}$	May 3, 1918.
1708	Bridge river, between Rexamount and Gun lake, Lillooet district, British Columbia. Topography; scale, $\frac{1}{12500}$	Jan. 23, 1918.

SESSIONAL PAPER No. 26

Geological Survey Maps Published During the Year 1918.

Series A.	Publication number.	Title.	Remarks.
		<i>Yukon Territory.</i>	
	1702	Klotassin; scale, 2 miles to 1 inch.....	Geology.
		<i>British Columbia.</i>	
42	1192	Duncan sheet, Vancouver island; scale, $\frac{1}{125000}$	Geology.
44	1194	Sooke sheet, Vancouver island; scale, $\frac{1}{125000}$	Geology.
165	1582	Windermere, Kootenay district; scale, $\frac{1}{125000}$	Topography.
	1704	Ainsworth, Kootenay district; scale, $\frac{1}{240000}$	Topography.
	1711	Route traversed by the Great Pacific Eastern railway, between Squamish and Lillooet; scale, 4 miles to 1 inch...	Geology.
		<i>Alberta.</i>	
	1593	Blairmore; scale, $\frac{1}{420000}$	Topography.
	1712	The foothills of southern Alberta; scale, 4 miles to 1 inch...	Geology.
	1725	Well sections in the geological formations of southern Alberta	Geology.
115	1336	Sheep river, Alberta; scale, 4 miles to 1 inch.....	Topography.
		Structure sections, central Alberta; scale, 10 miles to 1 inch.	Geology.
		Structure section, North Saskatchewan river; scale, 10 miles to 1 inch.....	Geology.
		<i>Saskatchewan.</i>	
	1720	Deposits of gravel in the vicinity of Regina; scale 4 miles to 1 inch.....	Economic geology.
		<i>Manitoba.</i>	
135	1391	Lower Churchill river; scale, 16 miles to 1 inch.....	Geology.
		<i>Ontario.</i>	
132	1379	Southwest portion of Rainy River district; scale, 2 miles to 1 inch.....	Soils.
	1710	Bothwell-Thamesville oil region, Kent county; scale about 1-12 miles to 1 inch.....	Economic geology.
	1714	The Niagara peninsula; scale, 4 miles to 1 inch.....	Geology.
	1715	The Ontario peninsula; scale, 12 miles to 1 inch.....	Geology.
		<i>Quebec.</i>	
145	1495	Timiskaming county; scale, 12 miles to 1 inch.....	Geology.
183	1630	Harricawan-Turgeon basin; scale, 4 miles to 1 inch.....	Geology.
	1681	Portion of Amherst township, Labelle county; scale about 1,750 feet to 1 inch.....	Geology
		<i>New Brunswick.</i>	
164	1581	St. John, St. John and Kings counties; scale, $\frac{1}{420000}$	Topography.
	1709	Burnthill Brook tungsten area, York county; scale, 4 miles to 1 inch.....	Geology.

PUBLICATION DIVISION.

Marc Sauvalle, chief of publishing and translating division, reports that the following memoirs, museum bulletins, and summary reports were published during the calendar year 1918:

English Reports.

1686. Memoir 99, Geological Series 82. *Road material surveys in 1915*—by L. Reinecke; pp. i-v, 1-190; plates, 10; figures, 10; maps, 2; edition, 2,500 copies; published January 8, 1918.
1694. Memoir 102, Geological Series 85. *Espanola district, Ontario*—by Terence T. Quirke; pp. i-iii, 1-92; plates, 6; figures, 8; map, 1; edition, 3,000 copies; published January 8, 1918.
1695. Memoir 103, Geological Series 86. *Timiskaming county, Quebec*—by M. E. Wilson; pp. i-vi, 1-197; plates, 16; figures, 6; map, 1; edition, 3,500 copies; published May 25, 1918.
1696. Museum Bulletin 27, Geological Series 35. *Contributions to the mineralogy of Black Lake area, Quebec*—by Eugene Poitevin and R. P. D. Graham; pp. i-ii, 1-103; plates, 12; figures, 22; edition, 2,500 copies; published March 29, 1918.

1716. Memoir 105, Geological Series 87. *Amisk-Athapapuskow Lake district*—by E. L. Bruce; pp. i-iii, 1-91; plates, 7; figures, 4; map, 1; edition, 3,000 copies; published October 10, 1918.
1717. Museum Bulletin 28, Biological Series 7. *The hawks of the Canadian prairie provinces in their relation to agriculture*—by P. A. Taverner; pp. i, 1-18; plates, 4; figures, 7; edition, 4,000 copies; published November 16, 1918.
1718. *Summary Report of the Geological Survey, Department of Mines, for the calendar year 1917, Part D*; pp. 1D-46D; edition, 3,000 copies; published September 4, 1918.
1719. *Summary Report of the Geological Survey, Department of Mines, for the calendar year 1917, Part B*; pp. 1B-48B; figure, 1; edition, 3,000 copies; published November 7, 1918.
1721. *Summary Report of the Geological Survey, Department of Mines, for the calendar year 1917, Part C*; pp. 1C-59C; figures, 3; edition, 3,000 copies; published November 7, 1918.
1727. *Summary Report of the Geological Survey, Department of Mines, for the calendar year 1917, Part E*; pp. 1E-48E; figures, 13; maps, 1; edition, 3,000 copies; published December 10, 1918.
1728. Memoir 106, Geological Series 88. *Road materials in a portion of Vautreuil county, Quebec, and along the St. Lawrence river from the Quebec boundary to Cardinal, Ontario*—by R. H. Picher; pp. i, 1-12; edition, 1,000 copies; published November 21, 1918.

French Translations.

1643. Memoire 92, Série géologique 74. *Etude d'une partie de la région du lac Saint-Jean, Québec*—by Johⁿ A. Dresser; pp. i-iii, 1-95; plates, 5; figures, 2; map, 1; edition, 1,000 copies; published December 13, 1918.
1688. *Rapport sommaire de la Commission géologique du Ministère des Mines pour l'année civile 1916*: pp. i-xiv, 1-450; figures, 12; maps, 13; edition, 1,500 copies; published March 22, 1918.
1729. Memoire 98, Série géologique 81. *Gisements de magnésite du district de Grenville, comté d'Argenteuil, Québec*—by M. E. Wilson; pp. i-ii, 1-84; plates, 11; figures, 2; maps, 3; edition, 1,000; published December 18, 1918.
1737. *Minéraux industriels du Canada*—by Wyatt Malcolm; pp. 1-16; published December 28, 1918.

ACCOUNTANT'S STATEMENT.

By John Marshall.

The funds available for the work and the expenditure of the Geological Survey for the fiscal year ending March 31, 1918, were:

	Grant.	Expenditure.
Amounts voted by Parliament.....	\$ 518,522 50	
Civil list salaries.....		\$ 196,043 30
Explorations in British Columbia and Yukon.....		21,148 45
Topographical surveys in British Columbia.....		4,142 30
Explorations in Northwest Territories.....		32,557 88
Topographical surveys in Northwest Territories.....		4,397 26
Explorations in Ontario.....		10,957 39
Topographical surveys in Ontario.....		5,284 00
Explorations in Quebec.....		1,631 66
Topographical surveys in Quebec.....		2,648 84
Explorations in New Brunswick.....		1,699 97
Explorations in Nova Scotia.....		4,870 86
Topographical surveys in Nova Scotia.....		4,138 55
Explorations in general.....		2,615 28
Investigations of road materials.....		8,530 78
Paleontological investigations.....		7,558 68
Ethnological investigations.....		968 80
Boring operations.....		4,567 00
Publication of reports.....		38,145 35
Translation of reports.....		3,142 77
Publication of maps.....		23,128 68
Wages, outside service.....		17,156 72
Stationery, mapping material, sundry printing.....		7,548 99
Miscellaneous.....		7,253 32
Library.....		1,533 05
Photographic supplies.....		1,368 07
Postages and telegrams.....		1,278 02
Civil Government contingencies.....		1,253 02
Specimens for Museum.....		1,015 81
Instruments and repairs.....		795 90
Cataloguing publications.....		685 60
Legal fees.....		582 20
Advertising.....		469 61
Compensation to J. F. Lyons in lieu of quarters, fuel, and light.....		400 00
Balance unexpended and lapsed.....		99,004 39
	\$ 518,522 50	\$ 518,522 50

SESSIONAL PAPER No. 26

Summary.

	Grant.	Expenditure.	Grant not used.
Civil government appropriation.....	\$ 246,122 50	\$ 196,043 30	\$ 50,079 20
Explorations and surveys in Canada.....	150,000 00	122,120 02	27,879 98
Publication of reports and maps; translating.....	65,000 00	65,000 00	.....
Purchase of books, instruments, miscellaneous.....	50,000 00	33,685 96	16,314 04
Purchase of specimens for Victoria Memorial Museum.....	5,000 00	1,015 81	3,984 19
Compensation to J. F. Lyons for quarters, fuel, and light....	400 00	400 00	.....
Civil government contingencies.....	2,000 00	1,253 02	746 98
	\$ 518,522 50	\$ 419,518 11	\$ 99,004 39

Casual Revenue.

Sales of equipment.....	\$ 439 00	
Sales of publications.....	65 48	\$ 504 48



SUMMARY REPORT
OF THE
MINES BRANCH
OF THE
DEPARTMENT OF MINES
FOR THE CALENDAR YEAR ENDING DECEMBER 31
1918

PRINTED BY ORDER OF PARLIAMENT



OTTAWA
J. DE LABROQUERIE TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1920



*To His Excellency The Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc.,
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY,—

The undersigned has the honour to lay before Your Excellency, in compliance with 6-7 Edward VII, chapter 29, section 18, Summary Report of the work of the Mines Branch of the Department of Mines during the calendar year ending December 31, 1918.

MARTIN BURRELL,
Minister of Mines.

HON. MARTIN BURRELL,
Minister of Mines,
Ottawa.

SIR,—I have the honour to submit, herewith, the Director's Summary Report of the work of the Mines Branch of the Department of Mines during the calendar year ending December 31, 1918.

I am, Sir, your obedient servant,

R. G. McCONNELL,
Deputy Minister.

CONTENTS.

	PAGE.
Director's General Report—	
Introductory	7
Ore Dressing and Metallurgical Division	7
Fuels and Fuel Testing Division	8
Metalliferous Mines Division	8
Investigation of limestones	9
Investigation of graphite and the graphite industry	9
Mica	9
Investigation of the sands and sandstones of Canada	9
Discovery of rock salt at Malagash, N.S.	10
Chemical Laboratories	10
Division of Mineral Resources and Statistics	10
Ceramic Division	10
Road Materials Division	11
Technical Library	11
Individual Summary Reports—	
Metalliferous Mines Division—	
General statement of work, by A. W. G. Wilson	12
Investigation of pyrites resources, by A. H. A. Robinson	13
Non-Metalliferous Mines Division—	
Limestones of Ontario and Quebec, by Howells Fréchette	47
Investigations—	
Graphite and the graphite industry; also, mica for condenser plates, by Hugh S. Spence	51
Silica and moulding sand resources of eastern Canada; salt in Nova Scotia; also, building stones in Wolfe River district, east of Port Arthur, by L. Heber Cole	52-69
Silica and moulding sand resources of eastern Canada, and	52
Notes on discovery of rock salt at Malagash, by L. H. Cole	70
Fuels and Fuel Testing Division—	
Work of the Division, by B. F. Haanel	74
Chemical Laboratories of the Fuel Testing Station, by Edgar Stansfield	86
Report of the Mechanical Superintendent, A. W. Mantle	106
Ore Dressing and Metallurgical Division—	
Progress report, by G. C. Mackenzie	107
Ores tested, and reports thereon, by W. B. Timm and C. S. Parsons	108
Report on the Chemical Laboratory of the Division, by H. C. Mabee	151
Ceramic Division—	
Series of reports, by J. Keele	153
Investigation of Clay and Shale Resources	153
British Columbia	153
Eastern Ontario	162
Northern Ontario	167
Road Materials Division—	
Series of reports, by K. A. Clark	169
Tests on bed-rock	170
Tests on gravel	172
Tests on soil samples	173
Tests on weathered rock	175
Report on Alberta bituminous sands for rural roads, by G. C. Parker	194

	PAGE.
Chemical Division—	
Report on work of laboratory, by F. G. Wait	201
Division of Mineral Resources and Statistics—	
Report on work of Division, by John McLeish	209
Draughting Division—	
Report of Chief Draughtsman, H. E. Baine	213
Report on the operations of the Dominion of Canada Assay Office, Vancouver, B.C., by G. Middleton, Manager	213
List of reports, bulletins, etc., in English, published during 1918, by S. Groves	218
List of French translations, published during 1918, by M. Sauvalle	218
Index	219

ILLUSTRATIONS.

Drawings.

Fig. 1.	Details of Wallace retort	79
" 2.	Details of Wallace retort: capacity, 90 pounds coal	80
" 3.	General arrangement of the Wallace experimental plant	81
" 4.	Chart showing oil distilled at 15-minute intervals	82
" 5.	Apparatus for lignite carbonization	100
" 6.	Flow sheet showing method of recovering ferro-molybdenum values from slag of molybdenum concentrates	139

Diagrams.

Diagram	I. Heat value of carbonized residue, and percentage loss of weight on moisture free basis	92
"	II. Curves showing the relation between calorific value and yield of carbonized residue	94
"	III. Carbonization of Shand lignite	95
"	IV. Carbonization of Western Dominion lignite, No. 1076	96
"	V. Carbonization of lignite No. 984, from Halbert's Mine, Trochu, Alberta	97
"	VI. Carbonization of lignite No. 1456, from Cardiff Collieries, Ltd., Cardiff, Alta	98
"	VII. Cumulative, direct diagram, showing analysis of sample of graphite con- centrates before grinding—from Buckingham, Que.	129
"	VIII. Cumulative, direct diagram, showing analysis of sample of graphite con- centrates after grinding—from Buckingham, Que.	130
"	IX. Cumulative, direct diagram, showing analysis of sample of molybdenite tailings—from Hull, Que.	142

SUMMARY REPORT
OF THE
MINES BRANCH OF THE DEPARTMENT OF MINES, FOR THE CALENDAR
YEAR ENDING DECEMBER 31, 1918.

INTRODUCTORY.

The marked advance made in the mining industry of the Dominion during the season of 1917, was continued in 1918, resulting in a 10 per cent increase in mineral production. The urgency of the demand for metallic and non-metallic war materials stimulated this increased production; in the attainment of which the technical facilities offered by the Mines Branch were utilized to the fullest extent, thus materially assisting in the supply of minerals, etc., required for munitions, as well as aiding in the general development of the mining industry.

The work accomplished by the Mines Branch in connexion with the above-mentioned industrial operations covered a wide scope, necessitating not only extensive field and laboratory investigations by technical officers of the Branch, but entailing a very considerable increase in office duties as well.

Compliance with the extraordinary demands due to war-time conditions, and the urgent needs of the rising industries of the country, involved the examination of certain metallic and non-metallic mineral occurrences, including deposits of pyrites and limestones, and certain sand and clay areas; also practical work in the various physical, chemical, and testing laboratories, on samples of ores, fuels, oil, gases, etc. Moreover, many specimens were submitted for identification, accompanied by requests for a statement as to their economic importance; while applications were received for technical advice with regard to the intrinsic value and commercial prospects of certain mineral deposits; or with reference to problems and difficulties encountered in the manipulation and manufacture of certain metals and their associated products. And this technical work was supplemented by the collection of statistics relating to the mineral production of Canada, these data being compiled, and issued for public distribution, as indicated in another section of this report.

In the subsequent pages, particulars will be found of the specific work done in connexion with the various Divisions of the Branch, by the different officers of the staff.

In addition to the statistical reports referred to, the following reports were published: Summary Report of the Mines Branch for the calendar year ending December 31, 1917; Building and Ornamental Stones of Canada: Vol. V; Clay Resources of Southern Saskatchewan; Mineral Springs of Canada: Part II; also Analyses of Canadian Fuels: Parts I, II, III, IV, and V.

ORE DRESSING AND METALLURGICAL DIVISION.

As indicated in the previous summary report, the work of this Division was, first of all, confined during this year to the investigation of minerals much in demand on account of the war. The commercial milling of molybdenite ores, which constituted one of the principal activities of the division during the past season, was discontinued in July, as the demand for this product from the Imperial authorities had ceased, the remainder of the year being devoted to investigational and routine work on samples of several classes of ores submitted for concentration and milling tests.

In a subsequent section of this report is found a complete record of the several tests carried out.

FUELS AND FUEL TESTING.

The work during the season of 1918 by the Division of Fuels and Fuel Testing consisted in part in the preparation of a report setting forth the results of trials conducted at the Fuel Testing Station on the large number of commercial samples of coal obtained from Alberta. These tests were carried out to determine the value of these fuels for utilization in the gas producer and for steam-raising.

The chemical laboratories were fully occupied with the analyses of oils, gases, coals, peat and mine air, and in addition a large amount of research work was conducted concerning the treatment to which the lignites of Saskatchewan must be submitted in order to prepare them for briquetting.

An oil laboratory has been fitted up in which it will be possible to determine the value of fuels high in volatile matter, peat, and oil shales for the production of oils. In this laboratory two large gasometers and a semi-Deisel oil engine are installed and specially designed retorts will be erected in the immediate vicinity of the building for treating the various coals and oil shales. Preparations are now being made to undertake research work on the samples of oil shale which will be sent to our laboratories during this and other seasons from New Brunswick, Nova Scotia, and elsewhere. This research work will be of the same character as that which is now being conducted with the lignites. The investigation begun two years previously relative to the carbonization and briquetting of our western lignites is being continued.

The Chief of the Division of Fuels and Fuel Testing in addition to his regular duties as Chief of that Division has been appointed a member of the Dominion Power Board, and member and secretary of the Peat Committee. This latter committee is composed of two Federal members, and two members appointed by the province of Ontario.

Considerable work was also carried out by officers of this division in connexion with the determinations of the tensile and compressive strength and hardness of various steels for the Imperial Ministry of Munitions, Department of Militia and Defence, and other departments of the Government.

A special investigation concerning the properties of "Nicu" steel was also carried out by Messrs. Blizard and Hardy.

The laboratory for the calibration of pyrometers, which was installed a short time ago, has been placed in charge of Mr. E. S. Malloch, who already has made some twenty calibrations for this and other departments.

The demand for construction of apparatus and repairs to existing machinery and apparatus, and the erection of new machinery, etc., has been so great that a part of the shed which was formerly used for storing coal samples has been converted into a temporary annex to the machine shop. All machine work for the Mines Branch is performed in these shops.

METALLIFEROUS MINES DIVISION.

On account of the great demand for pyrites ore for use in making sulphuric acid for munition purposes, Dr. A. W. G. Wilson, Chief of the Division, spent several weeks investigating deposits in central Ontario. To his assistant engineer, Mr. A. H. A. Robinson, was assigned similar work, his whole field season being devoted to investigating the undeveloped pyrites resources of Eastern Canada, the scope of investigations including deposits in western Ontario, Quebec, and the Maritime Provinces. A report of the work done in this connexion will be found in another section of this summary.

Dr. Wilson also spent about seven weeks in the investigation of the processes in use in the United States for the recovery of potash from the waste gases of cement

SESSIONAL PAPER No. 26a

plants. In addition, considerable of his time was taken up with War Trade Board activities, he having been appointed engineer in charge of pyrites and sulphur, and he also acted from time to time, as his services were required, as technical adviser to the Board.

INVESTIGATION OF LIMESTONE.

The investigation of limestone deposits, undertaken in the years 1916 and 1917, was continued by Mr. Howells Fréchet. The field work was confined principally to the province of Ontario, where localities not covered in the previous year's work were visited.

On account of the demand for dolomite, both for the production of lime and for its use in the wood pulp industry, a short time was spent by Mr. Fréchet examining certain areas favourably situated to centres of consumption.

INVESTIGATION OF GRAPHITE AND THE GRAPHITE INDUSTRY.

As intimated in the summary report of the previous year, there was undertaken an investigation of the graphite industry to stimulate the amount of the Canadian production. The work, which was commissioned to Mr. H. S. Spence, was proceeded with during the year 1918. The investigation embraced the revisiting of many mines and mills, and the exploration of several new properties, with a view to obtaining additional data needed to complete the report. In addition, it was necessary to visit a number of manufacturers of graphite products both in Canada and the United States. The data collected as a result of the above activities have been embodied in a report which is now being prepared for the press, and will, it is expected, be ready for distribution, early in 1919.

MICA.

During 1918, the Imperial Ministry of Munitions, being faced with a shortage of high grade mica suitable for magneto condenser plates, approached the Canadian Government with a view to ascertaining whether supplies of such mica were obtainable from Canada. In response to this inquiry, the Mines Branch transmitted, through the Imperial Munitions Board, samples of mica representative of the grades procurable from Canadian deposits. The sheets were tested for their di-electric strength by the Imperial authorities, and a report on the results obtained was sent to the Branch. The report submitted showed that certain of the samples—notably those from British Columbia—were eminently suited to the purpose indicated. An endeavour was made to interest owners of mica mines and claims with a view to obtaining supplies, but before any further action could be taken, a notification was received from the British Government that, owing to lack of tonnage, the project of securing mica supplies from Canada had been abandoned.

INVESTIGATIONS OF THE SANDS AND SANDSTONES OF CANADA.

Mr. L. H. Cole, the officer in charge of this investigation, which has been continued from the previous year, confined his activities to Eastern Canada, field work being carried on in the Ottawa valley, supplemented by special trips to visit occurrences in the vicinity of Fort William, the Kamouraska district northeast of Quebec city, and certain deposits in New Brunswick and Nova Scotia. The work so far done in connexion with this investigation is referred to in succeeding pages, under the caption "Preliminary Report on the Silica Deposits of Eastern Canada."

DISCOVERY OF ROCK SALT AT MALAGASHI, NOVA SCOTIA.

In Cumberland county, N.S., there is being opened up a deposit of rock salt. The attention of the Department was first called to this deposit through results of analysis of a strongly saline water, obtained from a well being drilled in the vicinity. Parties interested were advised to proceed with the exploration, while Mr. L. H. Cole was commissioned to visit and examine the locality, with a view to furnishing an opinion as to the nature and extent of the deposit and as to its possible commercial value.

A short report on this subject, by Mr. Cole, is to be found in another section of this summary.

CHEMICAL LABORATORIES.

During the year a great variety of work has been assigned to the Chemical Laboratories, due to the activities of the several Divisions of the Mines Branch together with the work done for other departments of the Government service, such as the Department of Public Works, Fuel Controller's Office, Imperial Munitions Board, etc., and also requests for determinations of various natures from mining companies, prospectors, and others interested in the mining industry. The pressing and increasing demands for certain war minerals and their allied products have led to a special programme of investigation to stimulate such production, and in the course of the successful carrying out of this work the facilities offered by the laboratories, and the services of the limited staff of chemists have been fully utilized.

Reference to the specific work accomplished in the several laboratories of the Mines Branch is to be found in succeeding parts of this report.

DIVISION OF MINERAL RESOURCES AND STATISTICS.

The work of this Division has been directed to the collecting of that statistical data which forms the basis for the report on the annual mineral production of Canada. There is prepared early in the year by this Division from the information available at the time a preliminary report, which forecasts the probable mineral production for the season, which figures are revised in the annual report, when more complete returns are available.

The arrangement entered into in 1917 with the Census Office of the Department of Trade and Commerce, whereby that office shall accept as census records the statistics of mineral production collected by the Department of Mines has been continued during the year. In addition, special monthly or quarterly returns of the production of certain minerals and mineral products required for the successful prosecution of the war, were obtained, the data completed, and the information furnished to such offices as the Fuel Control, Canadian Munition Resources Commission, and the War Trade Board. In another part of the summary is to be found a complete report of the activities of the Division, for the year, submitted by the officer in charge.

CERAMIC DIVISION.

The functions of the Ceramic Division consist in the investigation, both in the field and the laboratory, of the clay and shale resources of the Dominion. During the year, examinations were made of certain clay areas in the Ottawa valley, and in eastern Ontario, and, in addition, a trip was made to Prince Edward Island to prospect deposits of tile clay. The laboratory work included the testing and reporting upon the numerous samples of clays and shales submitted for examination, and also special investigations have been conducted in connexion with certain refractories, while a great deal of assistance has been given the clay-products manufacturers, to enable them to solve the difficulties arising in the course of production.

SESSIONAL PAPER No. 26a

ROAD MATERIALS DIVISION.

The scope of work undertaken by the Road Materials Division includes the locating, examining, mapping, and sampling of all deposits of available road materials occurring along proposed routes of main or other important highways throughout the Dominion. During the year, the Division's field work was conducted in Manitoba, Rocky Mountains Park, Alberta, and in British Columbia. These investigations were supplemented by extensive laboratory work, covering testing of samples obtained in the field, and experiments of an investigational nature, with a view to advancing the science of road building.

In the detailed account of the work of the Division appearing in another section there has been included the report by Mr. G. C. Parker of the Provincial Department of Public Highways, Toronto, with respect to the possibilities of using the bituminous sands of northern Alberta to surface rural roads.

TECHNICAL LIBRARY.

The library has grown to such an extent, during the year, that the additional shelving capacity, which was provided during 1917, has proved quite inadequate to meet the increased demands of 1918; in consequence frequent rearrangement of the volumes has been necessary to provide for this constant expansion.

A number of valuable new exchanges have been secured, and our efforts to re-establish exchanges and to secure publications which were discontinued through the period of the war, have met with encouraging results.

Additions to the library for the year: Total exchanges secured 1,837, which includes 483 bulletins, proceedings, transactions of scientific and technical societies—and 1,354 Government publications of scientific and technical value, comprising reports, memoirs, bulletins, maps, etc.. 28 volumes have been added by direct gift, 157 by purchase, and 91 volumes bound, bringing the total number of volumes accessioned during the year, to 2,113.

EUGENE HAANEL,

Director.

INDIVIDUAL SUMMARY REPORTS.

METALLIFEROUS MINES DIVISION.

I.

ALFRED W. G. WILSON, Ph.D., *Chief of the Division.*

During the year 1918 this Division employed only two field officers. The Chief of the Division, Dr. A. W. G. Wilson, spent part of the field season investigating pyrites mines and prospects in central Ontario, while Mr. A. H. A. Robinson devoted the entire field season to the investigation of pyrites mines and prospects in other parts of eastern Canada. The areas covered include all known prospects in northern and western Ontario, as well as localities in Quebec and the Maritime Provinces.

The field work on pyrites was undertaken primarily because the demand for pyrites ores for use in making sulphuric acid for munition purposes was large, and at one time it was feared that there would be an acute shortage of sulphur, a most essential material. It is also proposed to prepare a second edition of the report on pyrites including the latest information obtainable, the first edition being now out of print.

Mention was made in the Summary Report of 1916¹ that Dr. Wilson had been appointed a special investigator to inquire into the position of the chemical industries in Canada, more especially with regard to works established, products made, and raw materials required. Information on most phases of this inquiry has been available to those entitled to it since early in 1916. It has not been possible to prepare a final report on this investigation for publication, owing to pressure of other duties, nor was it considered expedient to publish a final report until the end of the war. As a direct result of the information secured for the preparation of this report this office was in a position to furnish important information to the War Trade Board and to other Government organizations.

Soon after the organization of this Board Dr. Wilson was appointed engineer in charge of pyrites and sulphur, and during the greater part of the year he acted as technical adviser to the board on various matters which arose from time to time. In this connexion it is to be noted that the services of the staffs of the Division of Mineral Resources and Statistics, the Non-Metalliferous Division, and the Chemical Division were also available to the board, and were utilized by Dr. Wilson as required.

On the initiative of the War Trade Board Dr. Wilson, in company with Mr. S. Barr, an engineer in the employ of the Canada Cement Company, made an investigation of the processes in use in the United States in cement plants for recovering potash from the waste flue gases. Part of the month of August, November, and part of December were required for this investigation. It is desired to express appreciation for the courtesy accorded by certain cement manufacturers in the United States, which made it possible for these two gentlemen to inspect eleven out of the fourteen installations now in operation, or in course of erection. It was not considered necessary to visit the three remaining plants because the installations are largely duplicates of those already inspected.

The potash recovery investigation is being extended to include conditions in Canadian operating plants. The confidential information required by the Board is already available. Eventually a short report will be issued on the subject in bulletin form.

SESSIONAL PAPER No. 26a

During the year the regular office work of the Division was carried on as expeditiously as possible. The library research work has greatly extended the card catalogue of references to the metal mining industries of Canada. It is believed that every important known occurrence of the metals iron, copper, zinc, lead, silver, molybdenum, tungsten, titanium, and several minor metals, including the majority of literature references to the same, has been indexed, chiefly by Miss D. M. Stewart. The library research work carried on in this Division also includes the indexing of all available references to electro-metallurgical processes, air nitrates, potash recovery and production, and several other lines of chemical technology. It is to be noted that this index was started prior to 1914. As a result this office was supplied with the most complete information available on the subjects of electro-metallurgy, air nitrates, and potash recovery, prior to the commencement of the war.

In continuation of the work on iron ore resources of Canada, Mr. Robinson prepared a bibliography and abstracts with respect to occurrences and commercial utilization of titanium. Additional abstracts on Canadian iron ore deposits, supplementary to the information contained in the Report on the Iron Ore Occurrences in Canada, were also prepared. A large scale reference map for office use, showing the location of all the occurrences of iron ores in Canada and their relation to lines of transportation, is also in course of preparation.

II.

INVESTIGATION OF PYRITES RESOURCES.

A. H. A. ROBINSON.

The field season of 1918 was spent in an investigation of the undeveloped pyrites resources of eastern Canada, viz., Ontario, Quebec, New Brunswick, and Nova Scotia. The greater part of the season was spent in Ontario; the ground covered in that Province embracing all the northern and northwestern portions, except the district along the Algoma Central Railway, north of Sault Ste. Marie. The deposits along the Algoma Central, and those in southeastern Ontario, were to be examined by other investigators. In the main, attention was confined to prospects that are within a reasonable distance of existing lines of transportation, either rail or water.

Instructions were to obtain as detailed information as possible regarding each prospect visited, paying particular attention to its physical condition, its location with respect to transportation facilities, and its present ownership; this information being required, primarily, for the use of the War Trade Board, and, secondarily, for the preparation of a second edition of the Mines Branch report on Pyrites in Canada. Occurrences of pyrrhotite were also to be noted.

Very little prospecting or development work was going on in any of the localities visited. On most of the properties no work had been done for some time—often years, and such openings as still exist were in anything but good condition for satisfactory examination. Many of the openings, also, had been made to explore, not for pyrites, but for deposits of other minerals with which the pyrites happened to be associated. The only information that could be gathered concerning some of the deposits was that afforded by an examination of old rock dumps or natural outcrops. When the latter, as is usually the case with pyrite and pyrrhotite, are more or less deeply weathered nothing very definite can be learned as to the probable quality of the unaltered mineral beneath.

Samples, for analysis, were taken from most of the deposits examined. In taking them, an effort was made to choose only such material as could be regarded as being probably fairly representative of a considerable portion of the deposit; but this was seldom possible, not only on account of the smallness of many of the exposures accessible for sampling, but also because the only available source was usually shallow pits or old dumps, in both of which the pyrites had been subjected to more or less weathering. Samples taken under these conditions can, therefore, only be regarded as indicating in a very general way the probable composition of the main body of the deposit.

Many of the prospects visited have already been examined and reported on by competent and reliable observers. As these previous examinations were, in many instances, evidently made at a time when the showings were in much better condition for examination than they are now, earlier reports have been freely drawn upon and frequently quoted verbatim—with due acknowledgment to the authors—in writing the descriptions of the individual deposits.

The only prospect visited in Ontario where development work was actually being carried on was at Nickel lake; where a shaft had just been started on an outcrop of pyrites of excellent grade, for the purpose of determining its extent underground.

At the Whelan and Cross property, on Minnitaki lake, where high grade pyrites has also been found, a shaft was sunk, and the deposit cross-cut at a depth of 75 feet, in 1916-17. At this stage development was stopped; the somewhat unfavourable situation of the deposit with reference to transportation facilities having, apparently, discouraged, for the time being, any further expenditure in opening it up.

In 1917 the General Chemical Company, of New York, did considerable drilling to explore pyrites deposits south of Mokomon, in Conmee township, apparently with results satisfactory to themselves, for they subsequently took over the property under long term lease. No start has yet been made to develop the property, however.

Extensive deposits north of Rush lake, though at present somewhat inaccessible and perhaps of interest for their iron content rather than for sulphur, are nevertheless worthy of note. The expulsion of the sulphur would render much of the material in these deposits suitable for the production of iron in the blast furnace; an end that might possibly be economically attainable by saving the sulphur as a by-product. Extensive deposits at Atikokan also may ultimately be made available by some such method of treatment.

In Quebec, up to the present, all the producing pyrites mines and practically all the known prospects that show any promise of becoming of economic value are found in the Eastern Townships, and have been described in detail by J. A. Bancroft in a "Report on the Copper Deposits of the Eastern Townships in the Province of Quebec," issued by the Quebec Bureau of Mines, in 1915. Since Bancroft's report was written some further exploration by diamond drilling and surface prospecting has been done on a number of the old properties, but, so far as could be learned by inquiry at the Provincial Bureau of Mines in Quebec and by a visit to the mining districts of the Eastern Townships, this has not resulted in any new discoveries or developments of especial interest.

In the Maritime Provinces—New Brunswick, and Nova Scotia—there is no record of pyrites ever having been mined in commercial quantities for its sulphur content. There is, however, no geological reason why deposits of commercial value should not be found there; occurrences of pyrites, often associated with copper and gold, are reported at a number of places in both provinces. After interviewing individuals familiar with the known mineral occurrences in the Maritime Provinces and consulting the provincial authorities at Fredericton and Halifax, visits were made to what were considered to be the most promising localities; but nothing was found, or could be heard of, that gave any indication of probable value as a commercial source of pyrites.

SESSIONAL PAPER No. 26a

Among the deposits inspected were the nickeliferous pyrrhotites found near St. Stephen, N.B., which are of improved, but probably limited extent.

Throughout the season information, wherever sought, was cheerfully and freely given, and acknowledgment is due to all those prospectors, mining men, government officials, and others too numerous for individual mention, who, sometimes at considerable inconvenience to themselves, volunteered to act as guides, or rendered other service with unfailing courtesy and kindness.

PYRITES PROSPECTS IN NORTHERN AND NORTHWESTERN ONTARIO.

DEPOSITS ACCESSIBLE FROM THE CANADIAN NORTHERN RAILWAY: FORT FRANCES TO SUDBURY.

FURLONGE LAKE.

Furlonge lake is situated about 35 miles in a straight line north of Fort Frances; and about 10 miles north of Manitou sound, the north end of the north arm of Rainy lake.

Drummond Claims: J.L. 150, J.L. 151, F.F. 246 and F.F. 255.

These four mining claims, including in the aggregate some 170 acres of land and land under the waters of Furlonge lake, are owned by Drummond Mines, Limited, Mark Fisher building, Montreal. The following information regarding them, taken from the company's records, has kindly been supplied by its president, Mr. Geo. E. Drummond.

The claims can be most conveniently reached from Fort Frances by taking a gasoline boat to the Cascades at the head of Manitou sound, a distance of about 34 miles. From the Cascades there are two available canoe routes to Furlonge lake; one, by way of the Manitou river, is about 15 miles in length, but owing to the number of portages it takes a day to make the trip without a load; the other, by way of Six Mile, Echo, Smoke, and Kaiarskons lakes, is about 12 miles in length, and can be travelled in five hours, going light. The second route is the one usually taken.

Up to the present only a small amount of development work has been done on the property, but four lenses of pyrites, having the following surface dimensions, are known to occur:—

No. 1 lens	115 by 30 feet.
2 "	110 " 24 "
4 "	50 " 13 "
6 "	60 " 14 "

The sulphur content of average samples from the different lenses is said to run as follows:—

No. 2 lens	41.62 per cent
4 "	40.68 "
6 "	37.63 "

There are good indications that other pyrites bodies occur on the claims.

The situation of the property makes the question of transportation a serious one. The following method of getting the output to the railway has been proposed, should the deposits be worked: from the mine at Furlonge lake to Kaiarskons lake, one-third

of a mile, by aerial tramway; across Kaiarskons lake, 4 miles, by barge; from Kaiarskons lake to the Devil's Cascade, 7 miles, by aerial tramway; from the Devil's Cascade to Fort Frances, 30 miles, by barge—making a total of $41\frac{1}{2}$ miles by combined barge and aerial tramway. At the various transshipping points ore bins would be built and the ore transferred to and from the barges by whirlies and clams.

The Nickel Lake Iron Range.—The Nickel Lake iron range is a belt of banded iron formation rocks that can be traced by its iron-stained, gossan-bearing outcrops along the Canadian Northern railway, across the townships of Watten and Halkirk, from the east shore of Rainy lake to Bears Passage. The most abundant constituent of the iron formation is silica, occasionally interbanded with magnetite, but oftener charged with pyrites and pyrrhotite, especially the latter. A few outcrops, however, show only massive iron pyrites, and the occurrence of these affords ground for the hope that bodies of pyrites will be found, large enough and pure enough to be valuable as a source of sulphur. Exploration has been undertaken at several points along the range in search of such workable deposits of pyrites.

Brunette's Claims: K. 206.

These claims, the property of Chas. Brunette of International Falls, Minn., are situated in the township of Watten, on the west side of the entrance to Rocky Islet bay, one of the many arms of Rainy lake. The iron range here lies a short distance north of the Canadian Northern railway track, near mile board 224. The deposits are, therefore, favourably situated with regard to transportation facilities.

Considerable trenching and test pitting has been done, and prospect openings are to be found scattered along for a quarter of a mile or more across the property. Most of them were started through drift and are now partly filled with water and mud washed in from the top and sides. Except what could be inferred from an examination of the excavated material lying alongside them, they furnish little information as to what had been uncovered at the bottom; the little that was seen would indicate that further exploration of the deposits was warranted.

The first trench inspected is on the shore of the entrance to Rocky Islet bay, just opposite the mouth of a little gully running inland from the sandy beach. Heavy dark brown limonite and pieces of rather coarsely granular, friable pyrites, apparently broken out of the partly leached surface of a large body, were found beside this trench. Excepting a little intermixed quartz, no impurities could be detected in the lumps of pyrites, which, so far as could be judged by eye, is of good quality.

Inland from this trench there are some shallow pits along the rocky right hand bank of the gully. These show light brown and yellow mixtures of limonite with sandy silica and clay, and cellular quartz left by the leaching out of sulphides. No unaltered pyrites or pyrrhotite was found around the pits to indicate that the leached zone had been passed through in them. Indications point to the bottom of the gully as a likely place in which to look for a body of sulphides; but no pits or trenches were found there, probably because the gully serves as a local drainage channel, and the soil in the bottom is so saturated with water that digging pits or trenches in it would be a difficult matter.

Most of the work on the claims has been done still farther inland where, to judge by the excavated material scattered around numerous pits, trenches, and prospect shafts, the iron formation is made up largely of a mixture of pyrrhotite and pyrites, of which the former is much the more abundant.

In November, 1918, these sulphide deposits were being explored by diamond drilling, for the Grasselli Chemical Co.

SESSIONAL PAPER No. 26a

Wallace Claims: F. 85 and F. 86.

J. A. Wallace of Fort Frances is the recorded holder of these two mining claims, which are situated on the Canadian Northern railway, in lots 11 and 12 of the south range, concession II, township of Watten. They were being prospected, just south of the railway near mile board 216, by C. B. Stranahan, of 65 Wall street, New York, in July, 1918.

Here trenching through stratified clay had disclosed three roughly parallel bands of interlaminated rock and pyrites in the underlying, folded iron formation. The pyritous bands follow the general trend of the enclosing rock which strikes approximately west. The two northerly bands are each about five feet wide; the southerly band, about seven feet; the greatest width of clean pyrites seen in any of the bands, however, would not exceed twelve inches. Their length had not been determined. Pyrrhotite is associated with the pyrite in the most northerly band.

A small trial shipment of pyrites, picked from mixed material blasted out of the trenches, is said to have been made during the summer.

All work was stopped in August, 1918.

The Nickel Lake Mining Co.: P. 577, P. 580, G. 616 and G. 617.

Mining locations P. 577 and P. 580 take in the narrow strip of land between Nickel lake to the north and Grassy Portage bay to the south, on lots 7 and 8, concession II, of the township of Watten; the Canadian Northern railway runs southwestward across the locations following the lake shore closely. G. 616 and G. 617 cover the adjoining land under the waters of Nickel lake. All four locations, together with others in the immediate vicinity, are owned by the Nickel Lake Mining Co., Ltd., McIntyre Block, Winnipeg, Man.

The rock on the east and south shores of Nickel lake is lean siliceous iron formation consisting, for the most part, of fine granular quartz, with which is interbanded varying, but small, amounts of low grade magnetite. Along the south shore of the lake it carries, also, large quantities of iron sulphides—pyrrhotite and pyrites. The west shore of Nickel lake consists entirely of a dark, massive, basic eruptive rock classified by Lawson¹ as hornblende-gabbro. Similar basic rock penetrates the pyritous iron formation at places on the south shore and may possibly have some genetic connexion with the pyrrhotite and pyrite so abundant there.

Massive iron pyrites—free from pyrrhotite—outcrops close to the water's edge on the south shore of the lake, where a shaft is now being sunk. The band, or lens, of pyrites is about 12 feet wide where it is exposed and strikes approximately west, parallel to the iron formation in which it is enclosed. The dip is to the north at a high angle. Along the strike the band disappears into the lake, leaving only about 50 feet of its length exposed.

The six feet of pyrites that constitutes the north half of the band is practically pure except for a little intermixed silica. It is coarsely crystalline, granular, and friable. Analysis of an average sample taken across this part of the outcrop shows the sulphur content to be 46.06 per cent, and silica 9.11 per cent; a picked sample yielded sulphur 48.03, iron 43.43, insoluble residue 5.05, zinc 1.03, arsenic 0.012 per cent.² The pyrites on the south side is mixed with more or less interlaminated carbonaceous slate, or schist, and thin sheets of granular white quartz. Black, carbonaceous schist forms the south wall of the deposit; the north wall is quartzite. Along the north wall in places, are patches of a conglomerate made up of rounded and sub-angular pebbles of granular quartz and grey banded chert embedded in a cement iron

¹ Lawson, A. C., "The Archean Geology of Rainy Lake Re-studied," G.S.C., No. 24 Geological Series, pp. 36-40, 1913.

² H. A. Leverin, analyst.

pyrites. A similar conglomerate, or breccia, in which, however, the cementing material, instead of being pyrites, is a mixture of pyrrhotite, quartz, and a little chalcopyrite, outcrops about a quarter of a mile away on a tiny islet near the northeast shore of the lake.

In all probability the mining locations surrounding Nickel lake were first taken up under the erroneous impression that the pyrrhotite found there carries nickel in economic quantity. Dr. Coleman¹, who examined the Nickel lake iron range in 1901, mentions the outcrop of pyrites on the south shore of the lake, and suggests the possibility of future value as a source of sulphur. Some diamond drilling, to test the extent of this iron pyrites deposit, was done in 1902, when the property was under option to Cleveland, Ohio, parties. No information is available as to the results of the drilling, but the option was dropped, and nothing more was done to develop the property until the present owners commenced active operations in 1918. Early in the summer of that year a shaft was started on the pyrites outcrops and by November had reached a depth of 22 feet. Sinking was hampered, however, by the lake water coming in through fissures in the rock. To obviate this difficulty, a concrete collar is now being built, and the upper portion of the shaft lined with concrete. It is proposed to sink to a depth of eighty feet and then drift east and west from the shaft to ascertain the length of the ore-body.

The equipment on the property consists of two small boilers, a Lidgerwood hoist, a pump, and steam drills. The buildings include a two story cooking and sleeping camp for the men, a manager's residence, stables, warehouse, and blacksmith shop.

As a shaft is within a hundred feet of the main line of the Canadian Northern railway, there will be no difficulty in providing shipping facilities.

Mr. R. H. Flaherty is manager in charge.

Lot 2, Concession III, Watten Township.

Iron range rocks also outcrop about a mile northeast of Nickel lake, on lot 2, in the third concession of Watten township, where considerable areas of heavy gossan occur on the hills north of mile board 214 on the Canadian Northern railway. No work of any account appears to have been done on these outcrops, and no exposures could be found that would furnish a clue to the nature of the underlying deposits.

According to the inscriptions on the corner posts, the ground has been staked as mining claims by J. A. Wallace, of Fort Frances.

STEEPROCK LAKE.

Steeprock lake is north of Atikokan station, a divisional point on the Canadian Northern railway, 141 miles west of Port Arthur. The country surrounding it has received considerable attention from prospectors as possibly containing large bodies of iron ore; search for the latter has been pretty thorough in the vicinity, one result being the discovery of pyrites deposits of considerable extent.

Mackenzie and Mann Locations: A.L. 460, A.L. 461 and A.L. 462.

Mining locations A.L. 460, A.L. 461, and A.L. 462 are situated on the west side of Steeprock lake, about 3 miles north of the Canadian Northern railway track.

The following extract is taken from a report made by Charles Camsell, in 1903, to the owners, Messrs. Mackenzie and Mann. It has been made available for publication through the courtesy of Mr. F. S. Wyley, of Port Arthur, the agent for the property:—

¹ Eleventh Annual Report of the Ontario Bureau of Mines, p. 134, 1902.

SESSIONAL PAPER No. 26a

The pyrite vein . . . has been traced through locations A.L. 460, 461, and 462. Three holes have been put down to cut the vein at a depth of from 50 to 100 feet . . . They are now drilling on a fourth hole and if they strike the vein there again they will have a known length of over 600 feet. The vein can be traced from the north end of A.L. 460 southward through 461, and it outcrops again on the north and west shores of a small lake in A.L. 462. Where the drill holes cut through it, its width is from 6 to 13 feet. In the south half of A.L. 461 it dips down into a large swamp in which no trace of it can be seen, but it can be picked up again south of the line. The walls of the vein are composed of a soft graphitic slate or shale, and next to this on either side are chloritic schists, phases of which are sometimes very siliceous and always pyritous. To the west the schists grade imperceptibly into a calciferous quartzite. The vein usually occupies a depression in the ground, and on its surface the iron has been dissolved out by the action of water carrying organic acids, and deposited on the slope of the hill to the south in the shape of limonite. There is a great deal of quartz in the vein rock, which shows up well after the iron and sulphur have been extracted. The percentage of quartz on the hanging-wall is not nearly so great as on the foot-wall. The sulphur content is high enough to make the property valuable, and the only objection is the small size of the vein."

Five holes were drilled all told. The following particulars concerning them have also been supplied by Mr. Wyley:—

No. of hole.	Length of hole.	Length in pyrites.
1 on A. L. 461	157 feet	6 feet.
2 " "	167 "	11 "
3 " "	120 "	13 "
4 on A. L. 460	195 "	21 "
5 " "	161 "	11 "

*In hole No. 5 the pyrites was so soft that it stopped the drill, and the full width was not penetrated.

Analyses of drill core samples, E. B. Kenrick, Analyst.

	% Iron.	% Sulphur.	% Phosphorus.
Core from hole No. 2—foot-wall.	39.4	44.2	Trace.
" " " 2—hanging-wall.	43.2	48.8	"
" " " 1—" "	41.7	47.7	"
" " " 1—foot-wall.	38.4	43.8	"

There has been nothing done to develop the deposits since they were drilled, in 1903-4.

Strawhat Lake: Mining Locations 857 X. and 858 X.

A quarter of a mile west from the south end of the southeast arm of Steeprock lake is a small lake named Strawhat lake which forms part of mining locations 857 X. and 858 X. The pyrites deposits are to be found at the southern extremity of Strawhat lake. The distance to Atikokan station is 4 miles southwest by level road.

The locations, which are said to be controlled by the United States Steel Corporation, were explored for iron ore, by diamond drilling, in 1902-3, and again in 1909. The drilling done in 1902-3 showed "siliceous iron formation with pyritic bands;" that done in 1909 "limonite in chert associated with pyritic greenstone and chlorite schists."¹

¹ Iron Ore Occurrences in Canada, Mines Branch Publication No. 217, 1917, Vol. II, p. 52.

W. G. Miller,¹ who saw the deposit when it was being uncovered in 1902, says: "The pyrite is more or less mixed with rock matter and magnetite, and has a brecciated appearance."

The occurrence is described by E. L. Fraleek, in the Sixteenth Report of the Ontario Bureau of Mines, p. 173; and as nothing that adds to the information contained in his report has been done on the property since, it may be quoted verbatim:—"A very large deposit of iron pyrites has been uncovered at the southern extremity of Strawhat lake The work done comprises trenching, test pitting, and four diamond drill holes on locations 857 X and 858 X. The south trench shows a width of pyrite of over 140 feet, the eastern 60 feet of which would be quite high grade at shallow depth, as the only impurity was gossan. The ore showed unequal banding and nodular weathering. The eastern portion of the trench is somewhat siliceous, and would not run more than 38 to 40 per cent of sulphur. A test pit 100 yards to the north, near the camp, shows very fine pyrites under a heavy capping of limonite and hematite. The hill on which the south trench is located is thirty feet high, and the whole gully to the west appears to be underlain with pyrite. Diamond drilling disclosed the pyrite in the form of a vast crescent, between the horns of which lies a deposit of hematite The country rock to the west is an eruptive greenstone, and to the east green schist. Those along the trail to Steeprock lake show at times a curious ellipsoidal weathering."

THE ATIKOKAN IRON RANGE.

Between Atikokan and Kawene stations, on the Canadian Northern railway, bodies of magnetite associated with much sulphide of iron, usually in the form of pyrrhotite but sometimes as pyrites, have been found strung out along the valley of the Atikokan river for a distance of about 16 miles. This iron-sulphur bearing belt, known as the Atikokan iron range, is broken topographically by Sabawe lake into an eastern and a western portion. On the western portion of the range the mixed sulphides consist almost entirely of pyrrhotite, but on the eastern end, at Atikokan mine, there are large bodies of mixed magnetite and pyrites.

Much of the material in these deposits would satisfy all the requirements for a good iron ore were it not for the high percentage of sulphur it contains; the sulphur content, on the other hand, is not large enough to make it valuable for the recovery of sulphur alone. A course of procedure in which the sulphur, expelled by roasting, would be saved as a by-product may ultimately solve the economic problem of utilizing material of this composition for iron ore. The extent of the deposits, and of others of somewhat similar composition at Rush river—to be described later—makes a solution of the problem involved in their utilization especially desirable.

It is possible also that investigation would show that, by careful selection, pyrites of merchantable grade could be produced from some of the deposits at Atikokan mine. Up to the present they have been looked upon as a possible source of iron ore only.

West of Sabawe Lake: R 403 and 212 X.

Magnetite-pyrrhotite deposits are found within half a mile north of mile board 134 on the Canadian Northern railway. They lie just south of Atikokan river, on mining locations R 403 and 212 X.

The only exposure of the iron-bearing formation on 212 X is in a pit near the west boundary, where a considerable body of pyrrhotite has been uncovered. Farther west, on location R 403, numerous trenches and test pits have been dug, exposing,

¹ Twelfth Report of the Ontario Bureau of Mines, 1903, p. 309.

SESSIONAL PAPER No. 26a

in most cases, irregular lenses of mixed magnetite and pyrrhotite. The width of the area within which these lenses occur is approximately 100 feet; its total length on the two locations, as determined by magnetic survey, is 2,900 feet.

In 1908 and 1909, considerable exploration, by trenching, test pitting, and diamond drilling, was done on the deposits, under the supervision of R. H. Flaherty, of Port Arthur. D. B. Rockwell, the engineer in charge of the work, estimates that there has been proved up 2,530,000 tons of material of the following average composition:—

Iron..	59.80 per cent.
Silica..	3.30 "
Sulphur..	20.40 "
Phosphorus..	0.025 "

West of Sabawe Lake: 138 X and 139 X.

The magnetite-pyrrhotite deposits on mining locations 138 X and 139 X are about 500 feet north of the Canadian Northern track, between mile boards 135 and 136; practically all the deposits are on location 138 X.

Iron-bearing formation is exposed in numerous places along a high ridge which extends from mining location 139 X westward across 138 X. In it the mixed magnetite and pyrrhotite is found concentrated in irregular lenses, or pockets, and also disseminated through the rock. In samples taken from the surface exposures the sulphur content ranges from 3 to 25 per cent; iron, from 38 to 62 per cent; silica, from 2 to 16 per cent; and phosphorus from 0.006 to 0.045 per cent.

A magnetic survey of the two locations shows that the iron formation on them occupies an area 2,600 feet long and about 250 feet wide at the widest place. Exploration by surface work and diamond drilling, done in 1908 and 1909 under the supervision of R. H. Flaherty of Port Arthur, has proved up, it is estimated, 1,827,000 tons of material of the following composition on location 138 X alone:—

Iron..	55.73 per cent.
Silica..	6.67 "
Sulphur..	20.38 "
Phosphorus..	0.037 "†

East of Sabawe Lake; Atikokan Iron Mine.

On the eastern end of the Atikokan iron range considerable pyrites, mixed with magnetite, is found in the Atikokan iron mine. The mine is a little less than a mile east of Sabawe lake; a spur line, 3 miles in length, connects it with the main line of the Canadian Northern railway at a point 128 miles west of Port Arthur. The Atikokan Iron Company of Port Arthur is the owner.

The iron range rocks outcrop on mining locations E 10 and E 11, forming a steep, narrow ridge, 3,800 feet long, having a maximum width of 400 feet, and an elevation above the surrounding swamp of nearly 100 feet. The ridge is made up of interlaminated greenstones, green schists, and roughly lenticular bodies of magnetite, some of which are highly pyritous. In portions of some of the lenses in the south side of the ridge, pyrites is the most abundant constituent.

At the mouth of a tunnel driven north through the west end of the ridge, there is a band, or lens, of irregularly banded pyrites and magnetite, 7 feet wide, and having the following average composition:—

Sulphur..	18.81 per cent.
Iron..	48.26 "
Silica..	6.06 "
Phosphorus..	0.009 "

* Iron Ore Occurrences in Canada, Vol. II, Mines Branch Publication No. 217, 1917, p. 46.

† Iron Ore Occurrences in Canada, Vol. II, Mines Branch Publication No. 217, 1917, p. 46.

9 GEORGE V. A. 1919

Twenty-seven feet in from its mouth the tunnel passes through a second lens, or band, 26 feet wide, and carrying an average of:—

Sulphur..	14.93 per cent.
Iron..	45.10 "
Silica..	4.90 "
Phosphorus..	0.064 "

About 950 feet east from this first tunnel, No. 1 shaft—47 feet deep—has been sunk at the foot of the ridge on its south side. It is said to have passed through material of the following average composition:—

Sulphur..	19.93 per cent.
Iron..	55.23 "
Silica..	4.46 "
Phosphorus..	0.105 "

Pyrites, magnetite, pyrrhotite, and a little chalcopyrite, can be seen mixed with the rock matter in the dump.

One thousand six hundred feet east from No. 1 shaft a second tunnel, driven north into the ridge, cuts 9 feet of mixed pyrites and magnetite carrying:—

Sulphur..	25.75 per cent.
Iron..	57.23 "
Silica..	3.94 "
Phosphorus..	0.015 "

No. 3 shaft is close to the mouth of this second-mentioned tunnel; a cross-cut driven north from the shaft, at a depth of 126 feet, passes through 35 feet of mixed pyrites carrying:—

Sulphur..	13.89 per cent.
Iron..	48.84 "
Silica..	12.52 "
Phosphorus..	0.23 "

All the analyses given above represent average samples taken across considerable widths of the deposits to determine their value as iron ore. Had the sampling been confined to the more highly pyritous sections only, to determine the existence or otherwise of bodies of pyrites of workable size and merchantable grade, a considerable higher percentage of sulphur could doubtless be shown. A sample of pyrites picked off the dump at the mouth of the tunnel at the west end of the ridge, for instance, yielded on analysis:—(H. A. Leverin, analyst.)

Sulphur..	25.41 per cent.
Iron..	48.00 "
Insoluble..	16.48 "
Zinc..	0.31 "
Copper..	0.10 "
Arsenic..	0.007 "

CONMEE TOWNSHIP.

A number of mining claims have been taken up for iron pyrites, on lots B, C, and D, in the fifth concession of Conmee township, about a mile south of Mokoman, a station on the Canadian Northern railway, 31 miles north of Port Arthur.

The pyrites in all the deposits examined is closely associated with banded cherts, jaspers, and magnetite, of the iron formation so abundant in this township. On account of the heavy covering of drift and the generally wooded character of the country, natural exposures are comparatively few, small and hard to find, and prospecting is difficult. The associated iron formation, however, being magnetic, serves to some extent as an indicator, and the dip needle has been successfully used for locating bodies of pyrites hidden under the drift.

All the known deposits are within three-fourths of a mile of the railway.

SESSIONAL PAPER No. 26a

The North Half of Lot B, Con. V: Morrison Claims.

In 1901, a shallow prospecting shaft was sunk, by the Davis Sulphur Ore Co., of New York, on a deposit of pyrites that outcrops in the bed of Brulé creek near the northeast corner of lot B, con. V, Conmee township. The shaft is now fallen in, but there is a recently dug trench close to it, in which the deposit could be seen.

The trend of the deposit appears to be to the southwest. Some of the pyrites is fairly clean looking, but most of it is mixed with fine-grained silica. Along the edge of the pyrites there is a band of brecciated granular silica. Banded chert, jasper, and magnetite, of the iron formation, outcrop a little farther up the creek. The only other rock seen in place in the immediate vicinity was greenstone. The deep drift covering the bottom of the creek valley precludes any extensive examination of the deposit.

E. B. Fraleek,¹ who examined the occurrence at the shaft in 1906, says:—

“The deposit strikes northeast near the contact of conglomerate and the Mattawin iron range. A deep covering of bouldery gravel obscures the surface, and the deposit can only be examined where a small pit has been sunk on the bank of Brulé creek. The bottom of the test pit is 5 feet below the level of the creek, and about 80 tons are on the dump. The pyrite-bearing zone appears to be about 30 feet wide.

“The occurrence is one of replacement, wholly or in part, of the conglomerate by pyrite, which even when massive retains that structure. The more soluble pebbles have been completely replaced by pure pyritic nodules with a roughly spherical outline. In the other portions of the conglomerate the substitution is more or less incomplete, the pebbles of pure silica being entirely unchanged.

“An average sample of ore on the dump yielded 29.20 per cent of sulphur.”

Mr. Bruce L. Morrison, of Port Arthur, is the present owner of this property.

The North Half of Lot B, Concession V: The General Chemical Company's Claims.

Immediately south of the Morrison claims—and also on the north half of lot B, concession V—are two mining claims that are now under lease to the General Chemical Company, of 25 Broad street, New York. They are located on the northern edge of the heavily wooded high land that bounds the south side of the valley of Brulé creek. The Canadian Northern railway passes half a mile east of them.

A large amount of trenching, test pitting and stripping has been done on these two claims, but when they were visited, in 1918, most of the workings had become useless for purposes of observation, through the caving in of earth from the sides. In one stripping, pyrites with some included rock matter is exposed over a width of 70 feet. Another exposure, some distance to the northeast, consists of 25 feet of mixed gossan, leached rock capping, and pyrites. Magnetite and pyrrhotite occur locally, mixed with the pyrites. Lean siliceous magnetite, very similar to some of the magnetite found in the iron formation, is also found as angular and sub-angular fragments enclosed in pyrites, usually towards the edge of the deposits.

The deposits were diamond-drilled in 1917 by the General Chemical Company of New York, who are the owners of pyrites mines at Northpines, Goudreau, and Sulphide, Ontario, and of chemical works at several points in Canada. The drilling is reported to have proved the existence of bodies of pyrites of workable size and merchantable grade, and apparently the results were satisfactory to the company as they subsequently leased the property for a term of years on a royalty basis.

No visible preparation is yet being made to develop the deposits.

The Matheson Claims.

Adjoining Morrison's and the General Chemical Company's claims on the north, east, and south, there are a number of other claims on which pyrites deposits have

¹ Sixteenth Annual Report of the Ontario Bureau of Mines, 1907, p. 172.

been reported to occur. They have a multiplicity of owners, but W. A. Matheson, barrister, of Fort William, is more or less directly interested in all of them.

Mining Location R. 702 takes in the southern portion of lot C, concession VI. In 1913 or 1914, a diamond drill hole was put down near the southwest corner of the location to test at depth the iron formation that outcrops a little to the west. Pyrites is said to have been found in this hole, but authoritative information is lacking.

North Half of Lot C, Concession V. On the southern portion of the north half of lot C, concession V, a number of trenches have been dug through drift near the west boundary of the lot. Pyrites is said to have been found in some of them, but the trenches are now fallen in, so the statement could not be confirmed.

The Morton Lease. What is sometimes known as the Morton Lease constitutes the northwest quarter of the south half of lot C, concession V.

Near the northwest corner of the claim there are two old prospecting shafts and, between them, a stripping 30 or 40 feet in diameter. The general trend of the workings is north and south. The south shaft is just at the edge of the stripping and is now filled with debris. The other shaft is about 50 feet north of the stripping, and higher up the hill; it is about 20 feet deep.

A section across the stripping shows 2 feet of pyrrhotite; 6 feet of mixed pyrites and pyrrhotite; 15 feet of mixed pyrrhotite and rock; and 12 feet of pyrites with some intermixed silica. On the uphill side of the stripping the sulphides are overlain by about eight feet of mixed granular quartz, leached rock capping, and impure limonite.

At the bottom of the north shaft there is about eight feet of pyrites mixed with some quartz. The upper part of the shaft is in a gossan of leached rock and limonite. The material on the dumps contains both pyrites and pyrrhotite.

Lot B, Concession V. On the northeast quarter of the south half of lot B, concession V, lumps of iron pyrites enclosing fragments of fine-grained magnetite were picked up alongside some caved-in trenches.

In a stripping near by, a seam of pyrites, two to three feet thick, occurs in a twelve-foot band of rusty quartzose rock that lies between porphyritic greenstone and banded iron formation.

South Half of Lot C, Concession V. Near the middle of the south half of the south half of lot C, concession V, some shallow pits have been sunk in a zone of rusty gossan-bearing rock. The pits are now partly filled with loose earth and gossan, and no unweathered formation can be seen in them. Mingled with the rock matter on the dump, however, there is a considerable amount of fine-grained, mixed pyrites and magnetite.

Crumpled, cherty, banded iron formation lies east of the rusty, pyritous rock; between the two is a curious breccia, made up of shattered iron formation cemented by magnetite and quartz.

Lot D, Concession V. On lot D, concession V, a triangular, fractional lot bounded on the northeast by the Kaministikwia river, large boulders of clean pyrites "float" have been found in the bed of the creek that flows into the river from the southwest. Attempts to trace them to their source have been, so far, unsuccessful.

LAKE NIPIGON.

Mike Ralph's Claim: T.B. 3423.

This prospect can be reached by a trail a mile and a half long that leads south-eastward from the railway bridge that crosses the Blackwater river a mile and a half west of Jackpine. Jackpine is a station on the Canadian Northern railway, 135 miles east from Port Arthur.

SESSIONAL PAPER No. 26a

Mike Ralph of Port Arthur is the recorded holder of the claim.

A rusty belt of pyritous chlorite schist, or fahlband, crosses the claim in a westerly direction. A small pit, about four feet in diameter and three feet deep, where the fahlband crops out as a low, narrow ridge in a swamp, represents all the work done on it. The surface of the ridge, which is about 60 feet wide, consists of rusty, fissile schist and a little gossan. The pit shows partially weathered pyrites interlaminated with a bright green, fissile, chlorite schist underlying about 18 inches of gossan. The dip of the formation is nearly vertical. Crystals of magnetite are disseminated through the chlorite schist, and the fahlband as a whole has a noticeable effect on the dip needle.

A sample of pyrites from the pit bottom yielded:—¹

Sulphur	22.9 per cent.
Iron	41.5 "
Zinc	1.6 "
Insoluble	12.6 "

SUDBURY DISTRICT.
RUSH LAKE IRON RANGE.

The Woman River iron range is a belt of iron-bearing rocks that starts at a point near the northeast end of Sahnkatawichtah, or Rush lake and runs southwestward across the Rush river and along the Woman and Ridout rivers, for a total distance of about 40 miles.

On that part of the range that lies east of the Rush river, cherty banded iron formation of a usual type is accompanied by, and at places is in contact with, a parallel belt of iron-stained siliceous rock that is heavily charged with magnetite, pyrrhotite, pyrites, and carbonate of iron. A section from north to south across the strike of the iron range here, is as follows:—

Interlaminated greenstones and green schists and some light-coloured acidic schists.

Banded iron formation, largely composed of chert and red jaspery quartz—locally garnetiferous and always magnetic.

Greenstone—wanting in places.

A zone of mixed quartz, magnetite, pyrrhotite, pyrites, and ferruginous carbonates.

Light coloured schists, interlaminated with some darker, green schists—locally garnetiferous.

Basic dikes cut the whole series, which stands nearly vertical.

The Rush Lake deposits are of large extent. Like those on the Atikokan range, they are to be regarded essentially as possible future sources of iron ore, the economic availability of which may ultimately depend on the utilization of the large sulphur content, as well as the iron, thus making the sulphur pay at least a part of the cost of its elimination from the ore. The cost of merely expelling the sulphur to make an ore suitable for use in the blast furnace, is too costly an operation to be profitable, at the present time at least.

Smith Claims: Jefferson Iron Mine. All the known exposures on the Woman River iron range east of Rush river are included in some twenty-two mining claims owned by W. E. Smith of Sudbury. Starting from the east bank of Rush river, these claims extend northeastward in a continuous chain for about 4 miles, across the unsurveyed territory between Sahnkatawichtah lake to the south and the townships of Dale and McOwen to the north. They are numbered consecutively, from east to west, W.D. 715 to W.D. 736.

¹ H. A. Leverin, analyst.

The distance from W. D. 715, at the eastern end of the chain of claims, to Stackpool station on the Canadian Northern railway is about 14 miles in a straight line; by canoe route the distance is about 20 miles—with nine portages. A longer route, but with fewer portages, starts at the Canadian Northern railway bridge over the Groundhog river (Kukatash station) and proceeds by way of Groundhog and Horwood (formerly Matagaming) lakes to W. D. 736, where the western end of the chain of claims touches the Rush river.

Except for a few short intervals, the band of iron formation, and the accompanying sulphide-bearing zone have been traced, in numerous trenches, test pits, and natural outcrops, for the full length of the chain of claims. The line of exposures runs in a general southwesterly direction over low, rocky hills, separated by drift covered flats; the exposures are confined to the hills where the drift covering is thin or lacking. The rusty, pyritous zone—as distinguished from the cherty banded iron formation—averages perhaps 40 feet, and attains a maximum of about 150 feet, in width. It is made up of magnetite, pyrrhotite, pyrites, quartz, and ferruginous carbonates, and includes varying amounts of interlaminated rock.

The relative proportions in which the different minerals occur vary greatly in different parts of the sulphide-bearing zone. On the easterly claims the predominant constituents are magnetite and pyrrhotite, with subordinate quantities of pyrites, carbonate, and quartz. On the western claims magnetite and pyrrhotite are less abundant and, as the Rush river is approached, are almost or entirely lacking, and the deposits become essentially a mixture of pyrites, ferruginous carbonate, and silica.

Intermixed galena, zinc blende and a little chalcopyrite have been found associated with the iron minerals at two places on W.D. 717, near the eastern extremity of the range. The occurrences are both in the magnetite-pyrrhotite zone, near its southern border; they are 500 feet apart, one in a drill hole, the other in some test pits. In one pit mixed galena, blende, pyrites, pyrrhotite, quartz, calcite, and chalcopyrite have been exposed for a width of 15 feet, about 8 feet of which is fairly pure galena and zinc blende. The galena-blende-chalcopyrite mixture appears to occur as a separate deposit cutting the magnetite-pyrrhotite; whether the two exposures of galena and blende are connected by a continuous deposit, or line of deposits, has not been determined.

Analyses of three samples of mixed magnetite, pyrrhotite, and pyrites from the eastern end of the sulphide belt are as follows:—

No.	% Iron.	% Sulphur.	% Silica.	% Phosphorus.
1	43.17	44.16	13.15	
2	52.50	29.64	4.65	
3	52.24	13.62	4.60	0.007

Samples Nos. 1 and 2 were selected for the relatively large amount of pyrites they contained. Sample No. 3 is more nearly representative of the general run of the deposits at this end of the range.

Three samples of mixed pyrrhotite, magnetite, pyrites, and probably a little iron carbonate, from three different trenches on W. D. 731, on the westerly section of the range, yielded:—¹

	4 %	5 %	6 %
Sulphur.....	25.94	22.92	34.78
Iron.....	42.81	42.11	44.79
Insoluble.....	1.20	4.50	6.40
Phosphorus.....	0.005	0.005	0.009
Zinc.....	0.37	0.54	0.25
Arsenic.....	0.009	0.005	0.000

¹ H. A. Leverin, analyst.

SESSIONAL PAPER No. 26a

A sample showing pyrrhotite, magnetite, pyrites, and quartz, taken from a striping near an old shaft on W. D. 732, yielded:—¹

	7.
	Per cent.
Sulphur.....	26.18
Iron.....	43.50
Insoluble.....	8.26
Phosphorus.....	0.615
Zinc.....	0.10
Arsenic.....	0.069

The samples of which the two following analyses, 8 and 9, were made, came respectively from W. D. 734 and W. D. 736, near Rush river. In so far as could be seen with the naked eye, they consist entirely of pyrites, iron carbonate, and a little quartz. No magnetite or pyrrhotite could be detected in them, and at the places they were taken the deposits have no effect on the dip needle:—

	8.	9.
	%	%
Sulphur.....	25.43	30.56
Iron.....	42.42	43.50
Insoluble.....	1.78	3.06
Phosphorus.....	0.011	0.069
Zinc.....	0.44	0.93
Arsenic.....	Trace.	0.011

A considerable amount of diamond drilling has been done on the eastern claims, and at two points 1,700 feet apart the deposits have been proved to maintain their surface width at depths of 300 and 380 feet respectively.

The total quantity of mixed sulphides, magnetite, and carbonate on the property is, unquestionably, very large.

Township of Norman, Concession VI.

Some outcroppings of iron pyrites that have been found associated with banded iron formation about 2 miles northwest of Wanapitei lake, in concession VI, of the township of Norman, were visited, in company with Mr. Gilbert Bennett of Sudbury. They lie 5 or 6 miles east of the main line of the Canadian Northern railway; a spur line to the Whistle nickel mine terminates about 2 miles southwest of them.

Gossan outcrops associated with banded iron formation, greenstones, and greenstone conglomerate can be traced from a point on the north bank of Post creek, near the boundary of the Indian reserve, northward to the south boundary of Parkin township. Near the creek, weathered, gossaniferous rock can be seen for a width of 80 feet in some old prospecting pits and trenches. A sample of pyrites mixed with a black material, probably impure magnetite, and some pyrrhotite was taken from one of the old pits and analysed, yielding:—¹

	Per cent.
Sulphur.....	34.62
Iron.....	41.34
Insoluble.....	4.65
Zinc.....	0.25
Copper.....	.....
Arsenic.....	0.004
Phosphorus.....	0.015

Pyrites, mixed with quartz, was seen in another pit something over half a mile north of the creek, near the boundary of Parkin township. One side only of the deposit has been uncovered, exposing six feet of the mixed material. A sample from this pit yielded on analysis:—¹

	Per cent.
Sulphur.....	32.51
Iron.....	32.80
Insoluble.....	21.12
Zinc.....	0.30
Copper.....	.....
Arsenic.....	0.017

¹ H. A. Leverin, analyst.

The presence of carbonates was indicated in both samples by their effervescing strongly in dilute hydrochloric acid.

Other strippings and shallow pits on the gossaniferous zone show only a little pyrites, pyrrhotite, and impure magnetite scattered through the rock.

DEPOSITS ACCESSIBLE FROM THE CANADIAN PACIFIC RAILWAY: KENORA TO SUDBURY.

LAKE OF THE WOODS.

Deposits of iron pyrites extensive enough to be of prospective economic value are mentioned by A. C. Lawson¹ as occurring on the shore and islands of the Lake of the Woods.

Ptarmigan Bay.

On the shores of Zig-zag point and Corkscrew island in Ptarmigan bay, there are some bands of black slaty schist, rarely more than 15 or 20 feet wide, of which the "essential character varies from a slightly carbonaceous variety of glossy hydromicaceous slate to a black, argillaceous slate, which soils the fingers on handling. These carbonaceous schists are characterized by two features that have never been found wanting in them wherever observed. They are: a well defined vesicular structure, and an abundance of pyrite. The vesicular structure is so strongly developed in some portions of the schist that it presents the appearance of a very scoriaceous slag, the vesicles ranging in size from cavities an inch or more in diameter to those of quite minute dimensions. . . . The smaller cavities, under a quarter of an inch in diameter . . . are very generally filled with round balls of iron pyrites, which, with a little patience, can be pricked out of the schist in handfuls. . . . In the same schist pyrites is often present in large vein-like masses of such extent as to be of prospective economic value."

Pyrrhotite deposits of considerable size are described by A. L. Parsons² as occurring a little west of the Lake of the Woods, near the Ontario-Manitoba boundary.

Shoal Lake.

"At mining location M.H. 7, near the mouth of Carl bay, on the south side of Shoal lake, a vein, consisting almost entirely of pyrrhotite, is found outcropping on the shore of the lake. The vein is about 12 feet wide and is between walls of altered trap. . . . So far as seen, no work of any account has been done.

At the east end of Carl bay a pyrrhotite vein was found about four feet wide near the contact of the granite and altered trap. A small test pit had been sunk, but work has been discontinued."

West Hawk Lake.

South of Ingolf "pyrrhotite runs in two or more parallel bands nearly east and west, and is found extending from a point two or three miles east of West Hawk lake to a point several miles west of the west end of the lake. Much of the rock with which the pyrrhotite is associated is schistose, and resembles the iron formation near Dryden, except that the iron present is combined with sulphur rather than oxygen. The width of the pyrrhotite bodies varies considerably, but in one place east of West Hawk lake the main body was about 150 feet wide, while the rock accompanying it appears to

¹ Lawson, A. C., Geol. Surv., Can., Annual Report, 1885, pp. 58 and 124 CC.

² Twentieth Annual Report of the Ontario Bureau of Mines, 1911, pp. 168 and 197.

SESSIONAL PAPER No. 26a

be well impregnated with it for a width of several hundred feet, as evidenced by the rusty character of its outcrop. The body of pyrrhotite carries gold values; nickel has been looked for, but up to the present only very small percentages of this metal have been detected by analysis."

Rochon Claims: D. 704 and D. 707.

Mining claims D. 704 and D. 707 are about $2\frac{1}{2}$ miles south of the town of Keewatin, and within half a mile of the west shore of Rat Portage bay of the Lake of the Woods. They were originally staked for gold and are now held by Boromee Rochon, of Keewatin.

On the north part of D. 704 a somewhat pyritous, rusty zone occurs in a belt of light coloured porphyritic schist and schistose agglomerate that strikes a little north of east. Some shallow excavations expose bands three or four feet wide, rather heavily impregnated with pyrites, in the rusty schists; but there is nothing that suggests the possible presence of workable deposits of that mineral.

Farther south on the same claim an old shaft, said to be 32 feet deep, has been sunk in the side of a hill facing southeast. The shaft is now full of water. There is considerable gossan in the vicinity of the shaft, and massive pyrites and pyrrhotite can be picked out of the rock matter in the dump. Impure limonite, probably derived from pyrrhotite and pyrite in the rocks on the hillside above, occurs in considerable quantity on the low ground at the foot of the hill.

D. 707 lies immediately south of D. 704. In a trench 132 feet long, dug across the top of a knoll, on D. 707, there is little to be seen but leached rock and gossan. Pieces of mixed pyrrhotite, pyrites and rock can be found in the excavated material alongside the trench.

Two hundred and fifty or three hundred feet southwest of the trench a shallow open-cut in the southwest face of the hill has been excavated, for the most part in leached rock capping; a little solid pyrrhotite and pyrite can be seen in it, however. Judging by the look of the gossan, any unweathered sulphides found beneath it are likely to be badly mixed with rock matter.

Pyrrhotite also occurs east of D. 704 and D. 707, near the shore of Rat Portage bay, on the property of a Mr. Gagnon.

Guthrie Claims.

On page 175 of the Sixteenth Annual Report of the Ontario Bureau of Mines, 1907, E. L. Fraleck describes three mining locations, A. 274, A. 257, and A. 273, as being located on a fahlband a mile and a half north of Riddell siding on the Canadian Pacific railway.

There is no longer a Riddell siding on the railway, and the only claims in the locality described by Fraleck that are now on record in the Mining Recorder's office at Kenora are S. 772, S. 773, S. 774, and S. 775, lying east and south of Octopus lake, staked by Dave Guthrie, of Kenora. Pine station, on the Canadian Pacific railway, is about a mile and a half south of them.

No work is now being done, and there is nothing further of interest to add to Fraleck's description of the locality, which is as follows:—

"A heavy fahlband strikes in a northeast direction along a range of bare hills. In all the valleys and depressions along the range high grade limonite is found. Some of this may have resulted from the decomposition of pyrites in place, but for the most part it has been derived from oxidation along the hills and subsequent deposition in the depressions. It was impossible to arrive at the depth of the limonite, but the surface area was quite extensive. No high grade gossan was observed in place on the hills, and the fahlband was, in the main, low grade. A small test pit, however, near

the shore of a lake disclosed promising gossan and very fair pyrite. The country rock is a felsitic schist, cut by numerous pegmatite dikes. It is said that later operations have disclosed a considerable body of mixed pyrite and pyrrhotite."

EAGLE LAKE.

The Canadian Pacific railway skirts the shore of Eagle lake at Vermilion bay, 56 miles east of Kenora. Eagle River station, 10 miles farther east, is 4 miles from Eagle lake, with which it is connected by a river of the same name, and also by road. The river is navigable from the lake to within a mile of the station.

Net Island.

Net island is situated near the west shore of Eagle lake: 10 or 12 miles from Eagle river, and 15 or 16 miles from Vermilion bay.

The occurrence of pyrites is mentioned by A. L. Parsons,¹ who examined the island in 1911. He says: "The greater part of the interest in mining in this region has been connected with a vein near the northern part of Net island, which has been looked upon as an iron deposit. During the previous winter this vein was tested by diamond drilling, stripping, and the sinking of a small shaft. The vein as it is exposed varies from 4 to 12 feet in width, and on the surface is oxidized so as to present a mixture of limonite with small amounts of hematite and magnetite. Where excavation has been made the vein material has been found to be largely made up of pyrite with small amounts of chalcopyrite. If this vein were better situated with respect to transportation facilities it should prove valuable as a source of pyrite."

When the island was visited in 1918, the shaft was found partly filled with debris. It has been sunk through the gossan capping of the deposit near the top of a low rocky ridge, across which the vein cuts. It is said to be 22 feet deep and still in decomposed matter at the bottom. On the surface, near the shaft, there is 18 feet of gossan between well defined walls. The sides of the shaft show, for the most part, fine granular, porous, residual quartz mixed with limonite. Numerous, discontinuous, vertical streaks of pulverulent magnetite occur through the quartz, and an occasional copper stain is to be seen. There is also a little friable pyrites that has escaped decomposition scattered through the mass. Exceedingly fine-grained, dense, blue-black magnetite of exceptional purity occurs, in places, plastered on the south wall of the deposit in irregular patches up to 4 or 5 inches thick.

The vein can be traced eastward from the shaft, by strong magnetic attraction and occasional outcroppings of dense limonite, to a shallow pit 250 or 300 feet distant, at the foot of the ridge. Here, twelve feet of pyrites lying against the north wall of the deposit is exposed; the south wall has not been uncovered. Quartz and some magnetite are interlaminated with the pyrites in narrow irregular bands.

A sample from this pit yielded on analysis:²

	Per cent.
Sulphur.....	23.85
Iron.....	53.23
Insoluble residue.....	4.82
Zinc.....	0.44
Copper.....	0.05
Arsenic.....	0.007

East of the pit, clay flats extend to the edge of the island, and obliterate any further trace of the vein in this direction. West of the shaft, there are exposures of rusty rocks along the line of strike of the deposits, but no pyrites of importance was seen.

¹ Twenty-first Annual Report of the Ontario Bureau of Mines, 1912, p. 184.

² H. A. Leverin, analyst.

SESSIONAL PAPER No. 26a

The country rock is a bright green, fissile, chlorite schist that appears to grade, in places, into massive greenstone. Crystals of pyrites and of magnetite, up to a quarter of an inch in diameter, are plentifully sprinkled through the schistose wall-rock. The dip of the vein is nearly vertical; its strike, approximately west; both are parallel to the schistosity of the enclosing rock.

A diamond drill hole was put down not far from the shaft to test the deposit at depth, but no authoritative information is available as to the results obtained.

The property is controlled by R. C. Gamble of Ottawa.

North Twin Island.

Half a mile or more east of Net island, and approximately on the line of strike of the Net island vein, a small outcropping of magnetite associated with rusty rock and a little pyrites has been found on the shore of North Twin island. A diamond drill hole put down in the magnetite outcrop is said to have penetrated pyrites at a depth of 50 feet.

ENGLISH RIVER.

Several zones of pyritous rocks, or fahlbands, of considerable extent are known to occur in a belt of Keewatin rocks that lie about 14 miles southwest of English River station (English P.O.), on the Canadian Pacific railway. Numerous mining claims have been staked on them.

Nicuso Syndicate Claims. The Nicuso Syndicate, of 301 Sparks street, Ottawa, has some 20 or 30 mining claims staked on such fahlbands lying between Welsh and Keewatin lakes. The syndicate claims are in two groups: the southerly group surrounds and includes two small lakes, sometimes known as Pine and Cryderman lakes; the northerly group—a short distance north of Pine lake—includes part of a small pond sometimes called Paul Stone's lake.

Pine lake is accessible by a canoe route 20 or 25 miles in length, that, starting at English River station, proceeds by way of Scotch river, Upper and Lower Scotch lakes, and Irish lake to Welsh lake. From the east side of Welsh lake a portage, about two-thirds of a mile long, leads to Pine lake. Trails lead to the northerly group of claims from both Pine lake and the upper end of Irish lake.

A great deal of trenching, test pitting, and stripping has been done on the properties; but, when they were visited, recent heavy rains had converted most of these excavations into mere receptacles for mud and water which effectually concealed whatever had been found in them. A few were in better condition for examination.

Southern Claims.—A pyrite-bearing band of black, carbonaceous rock which crops out on the south shore of Pine and Cryderman lakes, crosses the southern claims in a general westerly direction. A pit on the south shore of Cryderman lake, on mining claim K. 683, is about six feet deep in black graphitic slate heavily charged with pyrites. Only one side of the deposit has been uncovered, exposing about 12 feet of the mixed pyrites and slate. About 250 feet east of this pit, interbanded pyrites and graphitic slate, underlying a capping of vesicular graphitic rock, are again exposed. The exposure is 10 or 12 feet wide, but neither wall has been uncovered. Other trenches and pits in the vicinity were too full of mud and water to permit of an examination being made of them.

The pyrites occurs, in part, as spherical nodules, up to several inches in diameter, filling cavities scattered irregularly through the graphitic slate. In part, mixed with silica, it is interbanded with the graphitic material. Some of the pyritic bands are made up largely of coalescing spherules of pyrites with quartz filling the interstices, but in most of them the pyrites is finely crystalline, granular, and shows no spherical structure.

Samples of (1) the mixed nodular pyrites and pyritous slate; (2) the general run of the banded pyrites; and (3) the purest looking of the banded pyrites, yielded on analysis:—¹

	1. %	2. %	3. %
Sulphur..	24·7	24·5	30·1
Iron..	23·5	23·0	30·0
Insoluble..	35·9	45·3	25·7
Arsenic..	Trace.	Trace.	Trace.
Zinc..	0·84	0·64	0·64
Copper	None.	None.	None.

What is seemingly the same band of black, pyritous schist¹ that is exposed on Cryderman lake outcrops again about three-quarters of a mile eastward, on K. 715. Here, an open-cut into the bank, on the south side of Pine lake, exposes a deposit 12 or 14 feet wide, of mixed graphitic slate, limonite, pyrrhotite, pyrites, and quartz underlying eight feet of dense gossan.

Trenching between the exposures on K. 683 and those on K. 715 is said to have demonstrated the continuity of the pyritous, graphitic rock across the two intervening claims, K. 682 and K. 699. The trenches were not in a condition to afford any evidence on this point when the property was examined, however.

Greenstone and quartzite were the only rocks noted in association with the carbonaceous slate. Drift obscures most of the surface in the vicinity.

Northern Claims.—Near the upper end of Paul Stone's lake, on K. 712, 15 feet of siliceous pyrites interbanded with graphitic slate, or schist, lying alongside ten feet of siliceous banded iron formation, is exposed in a trench and pit. Very little gossan is to be seen. In places the pyrites bands are twisted and contorted, following corresponding twists and contortions in the schist. Some of the bands consist of a string of flattened, coalescing, nodules of pyrites. Small, single nodules also occur sparsely scattered through the banded material.

The pyrites in this pit was the cleanest seen on the northern claims. A sample yielded on analysis:—¹

	Per cent.
Sulphur..	23·84
Iron..	22·19
Insoluble..	44·64
Arsenic..	0·01
Zinc..	0·29
Copper..	0·30

Iron formation rocks with an accompanying pyritous band can be traced eastward from the pit on to K. 713; and westward across claims K. 711, K. 718, and K. 720. Banded siliceous pyrites, very similar to that on K. 712, is exposed again on K. 718. Iron formation, consisting of alternate narrow bands of chert and magnetite, outcrops near the line between K. 719 and K. 720.

There has been considerable trenching, test pitting, and some drilling done, on K. 720, where the occurrence of iron-stained siliceous rock carrying some pyrrhotite, pyrite and a little chalcopyrite, has caused the expenditure of much fruitless energy in a search for deposits of copper ore.

NORTH SHORE OF LAKE SUPERIOR.

Rosspport.

Some of the mining locations originally taken up for gold near Rosspport, on the north shore of Lake Superior, have from time to time been mentioned as carrying sufficient pyrites to warrant the expectation that they may develop into pyrites mines.

¹ H. A. Leverin, analyst.

SESSIONAL PAPER No. 26a

Veins and small pocketty masses of various mixed sulphides are not uncommon in the district, but none were seen, or heard of, that gave any particular indication of being valuable, commercially, as a source of pyrites.

Schreiber.

Some years ago a certain amount of development work was done on pyrites prospects near the north shore of Lake Superior, in the neighbourhood of Schreiber, a divisional point on the Canadian Pacific railway.

Mudge (Otisse) Prospect: Mining Location 776 X.—Mining claims T.B. 1048 and T.B. 1049 constitute, respectively, the northwest and southeast quarters of old mining location 776 X.

The recorded owner is J. D. Mudge, of Schreiber.

A rusty zone, or fahlband, crosses T.B. 1048 in a northwesterly direction. It is said to cross T.B. 1049 also, and to be traceable altogether for a mile or more. Many years ago a few shallow pits were sunk on what is now T.B. 1048. The largest of these is on the hillside south of a valley that runs east from the north end of Cook lake; it is about a mile and a half, or two miles north of Schreiber. The pit is about 12 feet deep and 12 feet long across the strike of the deposit, which here consists of a very fine-grained intimate mixture of pyrrhotite, pyrite, and, probably, magnetite.

A sample selected from the old dump yielded:—¹

	Per cent.
Sulphur.....	28·6
Iron.....	42·5
Insoluble.....	10·2
Arsenic.....	0·02
Zinc.....	1·40
Copper.....	None.

An average sample of the dump taken by Fraleek,² in 1906, yielded 32·26 per cent sulphur.

The Davis Sulphur Ore Company: Mining Location R. 606.—This prospect is about a mile and a half, by good winter road, southeastward from Schreiber.

Fifteen or twenty years ago considerable work was done on it by the Davis Sulphur Ore Company, of 65 Wall street, New York (who are said to be still the owners), and a carload lot of pyrites was sent east for testing purposes. At that time it was purposed, should the deposit prove satisfactory on development, to build a tramway to Lake Superior, and ship the output by way of the Great Lakes.

The old workings consist of a shallow open-cut, or trench, that runs north along the strike of the deposit for about 100 feet; a shaft, now full of water, near the north end of the trench; and a short tunnel driven into the hillside beside a brook at the bottom of a gully below the shaft.

Both pyrites and pyrrhotite occur in the deposit, and there is considerable intermixed quartz. Copper is also said to occur, but no copper minerals were seen. The width of sulphides in the trench varies from 4 to 10 feet. A section from east to west, near the face of the open-cut, is as follows:—

- Fine-grained, massive pyrites with some intermixed silica and pyrrhotite...3 feet.
- Quartz, with disseminated pyrite and pyrrhotite...1 foot.
- Massive pyrrhotite mixed with some rock, and quartz...4 feet.

The dip is to the east, at an angle between 50 and 60 degrees. Black cherty-looking rock forms the hanging wall; the foot-wall rock could not be determined, owing

¹ H. A. Leverin, analyst.

² Sixteenth Annual Report of the Ontario Bureau of Mines, 1907, p. 177.

to its altered condition and the drift covering. At the south end of the trench a porphyritic granite dike seemingly cuts off the deposit in that direction.

A sample across 3 feet of the purer looking pyrites on the east side of the trench yielded on analysis:—¹

	Per cent.
Sulphur.	27.48
Iron.	41.54
Insoluble.	13.40
Arsenic.	0.02
Zinc.	1.52
Copper.	None.

The results of this analysis are not what would be expected from the appearance of the sample submitted.

There is considerable fairly clean looking pyrites on the old stock piles near the shaft, but much of the material is either massive pyrrhotite or rock heavily charged with pyrrhotite.

The dump at the mouth of the tunnel below the shaft consists entirely of black, graphitic slate, or shale, carrying a few small stringers of pyrites.

The Morley Prospect.—Under this heading Fraleek describes a prospect "situated about three miles southeast of Schreiber on the Canadian Pacific railway, and about two miles from the north shore of Lake Superior."²

According to J. D. Mudge of Schreiber, the Morley prospect is identical with R. 606, the Davis Sulphur Ore Company's claim just described; a statement that seems to be confirmed by the close correspondence of Fraleek's description with the present appearance of that property.

Mining Location R. 638: Ansell's Claim.—The southwest corner of mining location R. 638 is now held as mining claim T.B. 2381 by J. Ansell of Schreiber.

About 100 yards north of the Canadian Pacific railway track, a mile and a half east of Schreiber, a fahlband, lying between trap on the north and quartzite on the south, strikes westward across T.B. 2381. It dips north into the hill. Some strippings and shallow trenches expose pyrrhotite and small stringers of pyrite mixed through the fahlband rock.

A sample of the best looking of the mixed material yielded on analysis:—³

	Per cent.
Sulphur.	27.25
Iron.	40.06
Insoluble.	4.00
Arsenic.	0.003
Zinc.	0.14
Copper.	nil

Mining Location R. 425.—The fahlband that crosses T.B. 2381 outcrops again about a quarter of a mile east, on R. 425, where a short incline driven into the side of the hill north of the railway track exposes a vertical section of the rocks.

The incline is driven in a bed of quartzite that is overlain by trap and underlain by greenstone. A thin layer of pyritous, black graphitic slate, or schist, separates the trap from the quartzite. A few small, irregular pockets of friable, granular pyrites occur in the quartzite and accompanying graphitic schist.

East of the incline, there are a number of strippings and shallow pits that show only small stringers of pyrites in the iron-stained weathered rock. The iron stain and gossan so conspicuous on the bare hillside are, in all probability, derived from disseminated pyrites and these small stringers.

¹ H. A. Leverin, analyst.

² Sixteenth Annual Report, Ontario Bureau of Mines, 1907, p. 177.

³ H. A. Leverin, analyst.

SESSIONAL PAPER No. 26a

Sulphur Lake.—Fourteen miles north of Schreiber, a narrow fahlband, 2 miles or more in length, runs northeastward across Sulphur lake. Veins of pyrites, up to 2 feet wide and carrying low gold values, and pyrrhotite veins up to 3 feet wide occur in it.¹

Jackfish.

Locations taken up for gold in the vicinity of Jackfish station, on the Canadian Pacific railway, are said to carry pyrites in such quantity as would possibly make them valuable as pyrites mines.

All the gold prospects in the vicinity have been idle for a good many years, and it was not found possible to obtain any information that would tend to confirm this statement.

Schist Harbour.

A mile and a half north of Schist Harbour, which is a few miles east of Jackfish, on the north shore of Lake Superior, Olie Nelson and others, of Fort William, have a number of mining claims, staked on a fahlband.

Narrow bands of fairly clean pyrites occur in it, but no bodies of commercial size and grade have yet been found.

Port Coldwell.

S. D. Crenshaw, of S. D. Crenshaw & Co., Richmond, Virginia, is reported to have an iron pyrites prospect near Port Coldwell, a fishing hamlet 25 miles east of Jackfish.

The property could not be located, nor could any information be obtained concerning it.

MISSINAIBI.

Smith-Travers-Laforest Prospect.

Information concerning this prospect was supplied by Mr. C. H. Hitchcock, geologist to Messrs. Smith and Travers, Sudbury.

The property consists of five mining claims, S.S.M. 1846 to 1850, lying northwest of Lake Manitowick, in township 45, range XXV, Algoma district. The Algoma Central railway runs 8 miles southwest of them.

The claims can be reached by canoe from Missinaibi station, on the Canadian Pacific railway, but Hawk Junction, on the Algoma Central railway, is closer to them.

The owners are T. E. Smith, T. Travers, and L. Laforest, all of Sudbury.

Heavy limonite gossan is found associated with a belt of siliceous, pyrite-bearing, iron formation that lies between acid and basic Keewatin schists. The upper part of the iron formation, next the basic schists, consists of quartz with disseminated pyrites, and, judging by the similarity of the geological conditions to those obtaining at the Goudreau pyrites deposits, is probably the hanging wall of any large bodies of pyrites that may exist. It is a hard formation that stands out on the surface, and so serves as an indicator.

The pyritous quartz formation extends from a small lake, called Pine lake, at the northwest corner of S.S.M. 1847, westward across S.S.M. 1846, and disappears into a swamp on S.S.M. 1849. It is about 1,500 feet long; the width has not been determined.

A second gossan-bearing belt of siliceous iron formation occurs to the north, crossing S.S.M. 1848 and S.S.M. 1850.

The best indications of the occurrence of bodies of pyrites are found in a shallow valley that follows the iron formation westward from Pine lake. Four pits on S.S.M.

¹ R. E. Hopkins, Twenty-fourth Annual Report, Ontario Bureau of Mines, 1915, p. 13.

9 GEORGE V, A. 1919

1846 show compact limonite, but did not reach the underlying formation. A pit to the north, on S.S.M. 1848, shows siliceous iron formation, about half of which is pyrites.

SUDBURY DISTRICT.

Townships of Balfour and Creighton.

Along the northern edge of a low rocky ridge which, running southwestward across lots 6 and 7, concession I, of the township of Balfour, and lots 8 and 9, concession VI, of Creighton, about 3 miles south of the Canadian Pacific railway between Chelmsford and Larchwood stations, forms the southern boundary of the flat clay farm land that fills the Chelmsford basin, the existence of sulphide bodies is indicated by some large gossan-covered areas and the material lying around old prospect workings.

The deposits themselves are no longer accessible in the abandoned workings, and most of the information now available as to their nature is such as can be inferred from an inspection of the dumps. Pyrites, galena, zinc blende, chalcopryrite, quartz, calcite and other carbonates, appear to have formed the vein filling; black graphitic (Onwatin) slate the wall rock. Mottled (Onaping) tuff lies just south.

Some large chunks of clean looking pyrites can be seen on the dumps, and considerable bodies may possibly occur in the old workings or under the unexplored gossan-covered areas; but whatever value the deposits may have would appear to lie in their metallic contents rather than in the sulphur.

Lots 6 and 7, Concession I, Balfour Township: At the old workings on lot 6, concession I, Balfour township, said to belong to George Irwin, of Sudbury, zinc blende and galena appear to have been the minerals found in greatest abundance.

Heavy gossan covers considerable areas on lot 7 to the west.

Lot 9, Con. VI, Creighton Township: The dumps at the old shaft on this lot show mixed pyrites, zinc blende, galena, and chalcopryrite. Some of this material had been sacked for shipment, apparently as copper ore. There are also some large chunks of clean looking pyrites, now crumbling to pieces under the weather.

The property is owned by M. Meehan, of Sudbury, and Alphonse Olier, of Chelmsford.

DEPOSITS ACCESSIBLE FROM THE NATIONAL TRANSCONTINENTAL RAILWAY: WINNIPEG TO COCHRANE.

VERMILION LAKE.

Vermilion lake is about 5 miles west of the town of Graham, the junction point of the main line of the National Transcontinental railway with the branch line running to Fort William. The discovery, on the north shore of the lake, of the large body of pyrites that was later developed into the General Chemical Company's Northpines mine, led to considerable search being made in the vicinity for other similar bodies. Such deposits as have been found are described by E. S. Moore in the Twentieth Annual Report of the Ontario Bureau of Mines, 1911, pp. 204 to 207.

Tindall Claims.

Concerning these claims he says: "On the east end of an island in Vermilion lake, about eight miles west of Vermilion (Northpines) mine, there is a deposit of pyrite on what is known as Tindall's claims. On this island there is a pit upon a hill a few rods from the shore, in drift about 15 feet thick. In the bottom of the pit there is a vein about 2½ feet wide, composed of nearly solid pyrite. On the south side of the

SESSIONAL PAPER No. 26a

vein the rock is a schistose quartz-porphry, containing small crystals of pyrite. The rock on the north side could not be determined because of its altered condition and the drift cover. The drift overlying the pyrite is stained and cemented with iron oxide.....

"At a stripping on the lake shore the pyrite vein varies in width from three to four feet, but is not so pure as in the first pit mentioned. It carries some quartz, and cuts the schistose quartz-porphry in such a way as to leave no doubt of its vein character. The strike of the vein is about 80 degrees, and this strike would carry it near the small island to the east of the one on which the vein is seen. No pyrite was found in place on this small island, but some iron-stained schist and a block of pyrite, more than 1 foot in diameter, were seen on the south shore. A further projection of the vein would carry it somewhere near the Vermilion (Northpines) pyrite mine, and it is possible that the two veins are located along the same general line of fissuring."

The Fanning Prospect.

Under the heading "The Fanning Prospect," E. L. Fraleck¹ describes an occurrence of pyrites "situated on the shore of Big Vermilion lake, eight miles west of the Michie (now Northpines) mine." In so far as can be learned, the only discovery of pyrites in the locality indicated by Fraleck is that on the Tindall claims, with which the Fanning prospect is probably identical.

Fraleck's description reads:¹ "some trenching through a blanket of boulder clay about 4 feet in thickness has been done at the extreme end of a point. High grade pyrite, in seams from 2 to 6 feet in thickness, is interbanded with graphitic shale. The deposit strikes east and west, and dips towards the shore to the north."

Mining Claim H.W. 762.

About three-quarters of a mile east of the Northpines mine, four pits have been sunk through drift on mining claim H.W. 762. The drift is stained with gossan, but no pyrites of importance is to be seen in place. A little banded quartz and magnetite occurs in one pit.²

Schmidt Claims: H.W. 778 and H.W. 779.

Mining claims H.W. 778 and 779 are about 4 miles northeastward from Northpines mine, close to the railway southwest of Pelican lake.

E. S. Moore says of them:—³

"On claims H.W. 778 and 779 there are some pits and trenches. The pit on H.W. 778 is about eight feet deep and runs into the side of a hill. The sulphide consists chiefly of pyrite, with a little pyrrhotite. In spots the pyrite is almost solid, but in other places it is much mixed with rock, either greenstone or altered quartz-porphry, and an altered granite dike about one foot wide is associated with the deposit. It looks as if the sulphides, accompanied by a granite dike, had come in along a line of weakness between the acid and basic rocks.

"The pit on H.W. 779 is situated, with reference to the last pit described, in a line along the strike of the rocks. This pit is three feet deep by five in diameter and located on a mass of pyrite in schistose quartz-porphry. Neither of these deposits has yet shown any claim to economic importance."

Some diamond drilling is said to have been done on these claims since Moore's report was written, but no authoritative information could be obtained on this point.

¹ Sixteenth Annual Report, Ontario Bureau of Mines, 1907, p. 177.

² E. S. Moore, Twentieth Annual Report, Ontario Bureau of Mines, 1911, p. 207.

³ Twentieth Annual Report, Ontario Bureau of Mines, 1911, p. 207.

MINNITAKI LAKE.

Minnitaki lake lies east of Vermilion lake and south of Graham. The Fort William branch of the National Transcontinental railway runs about 4 miles from the east shore, on which the pyrites deposits have been found.

Cross and Whelan Prospect.

The Cross and Whelan property comprises seven mining claims on the east side of Minnitaki lake, not far from the mouth of Minnikau river. It includes a point of land projecting westward into the lake from the east shore, the north part of Cranberry island, and the land under the waters of the lake adjacent to both point and island. The prospect is accessible by water from Graham, 10 miles northwest.

W. A. Cross and Jas. Whelan, both of Port Arthur, are the owners.

The outcrop of the deposit, on the lake bottom close to the north shore near the end of the point, is entirely covered with water; a knob of pyrites projecting through the ice at a time of low water led to its discovery. The rock on the shore adjacent to the outcrop is a grey, sericitic schist, through which a little pyrites is disseminated. South of the sericitic schist is green chlorite schist. The rock dips north, toward the lake, at an angle between 60 and 70 degrees; the strike is westerly. Development work shows that the dip of the pyrites is parallel to that of the schist.

A shaft, which is now full of water, has been sunk close to the shore—on mining claim K 608—directly opposite the outcrop in the lake. According to Mr. W. A. Cross, the shaft is 75 feet deep, and a cross-cut 80 feet long has been driven north from the bottom. At a point 50 feet from the shaft, the cross-cut entered mixed pyrites and rock, and, after passing through 10 feet of this mixed material, penetrated clean massive pyrites for 20 feet. The face of the cross-cut was still in clean pyrites when it was stopped, at a point 80 feet from the shaft, in November, 1917. There are about 100 tons of clean pyrite that should run over 40 per cent of sulphur on the dump at the shaft mouth.

Four shallow drill holes, spaced at intervals for about a mile along the strike, have also been put down to test the deposit. One, put down beside the shaft on K. 608, at an angle of 45 degrees, is said to have cut 80 feet of pyrites. Assuming the dip of the deposit to be 65 degrees, this 80 feet would correspond to a thickness of about 35 feet, measured at right angles to the walls.

A second hole, on K. 628, the next claim east, also pointing north at an angle of 45 degrees, is said to have passed through 18 feet of pyrites.

The third hole, still farther east, on K. 627, cut soft, pyritous, graphitic schist; but no solid pyrites.

The fourth hole was put down on K. 629, west of the shaft, on the northwest shore of Cranberry island. It is said to have cut four feet of pyrites.

Much more development work would appear to be well warranted on this prospect; that more has not been done appears to be almost entirely due to its, at present, somewhat unfavourable location with respect to transportation facilities.

STURGEON LAKE AREA.

Hornick Prospect.

R. S. Hornick, of Allanwater P.O., Ontario, is the owner of three mining claims, T.B. 2201, 2356, and 2357, located on a band of pyritous rock that strikes northward along the west shore of Loch Gordon, a small, narrow lake whose northern extremity touches the National Transcontinental railway, a mile east of Staunton section house.

The rocks in which the pyritous band is found, are mapped by the Geological Survey as fissile biotite and hornblende-gneisses, and arkose, occupying an intrusive contact zone between Keewatin and Laurentian rocks.¹

¹ Geol. Sur., Can., Map No. 993, 2nd. Ed., 1909.

SESSIONAL PAPER No. 26a

The best exposures of the pyritous band are at the south end of Loch Gordon, on mining claim T.B. 2201. Here, heavy gossan outcropping along the west shore can be traced north into a swamp on T.B. 2357, and south into T.B. 2356. Numerous trenches have been dug in the iron-stained drift and honeycombed quartz that cover the deposit, but in few of them could unaltered formation be seen. Pyrites and pyrrhotite, mixed with more or less quartz, are to be found on the dumps. The dip of the rock varies from vertical to 40 degrees, west.

At the bottom of one pit, about 10 feet deep, there is 5 feet of pyrites mixed with a little quartz against the hanging wall, and about 8 feet of a poorer mixture of pyrites quartz and rock on the foot wall. A sample taken across the 5 feet of pyrites on the hanging wall yielded:—

	Per cent.
Sulphur	43.21
Iron	40.10
Insoluble	1.31
Arsenic	Trace.
Zinc	0.31
Copper	0.63

A second, parallel belt of iron-stained rock runs up the west side of T.B. 2201.

KOWKASH GOLD AREA.

In a report on "The Kowkash Gold Area," published in the Twenty-sixth Annual Report of the Ontario Bureau of Mines, 1917, pp. 223 to 225, P. E. Hopkins describes a number of occurrences of pyrites and pyrrhotite in that district.

The following extracts are taken from Hopkins' report:—

Whitefish Lake.

"A prospector, Phillip Gagnon, discovered a pyrite deposit, five miles to the southwest of Paska station, on the south shore of the extreme northeast end of Whitefish lake. The pyrite occurs about 300 yards south of a syenite hill, in black slates of the iron formation type, which strike southwest and northeast. Under three feet of water, and about fifteen feet from the shore, are two places which show massive pyrite, apparently of good quality and over a width of four feet. It grades, at the sides, into black slates covered by gossan in places and containing much disseminated pyrite, often in the form of rounded nodules. Some magnetite and pyrrhotite and a little chalcopyrite are also present in parts of the formation. The deposit warrants further exploration."

Lake Ste. Marie.

"A wide iron formation band of varying strike and dip occurs in the rhyolites around lake Ste. Marie, which is two miles to the southeast of Redmond station. The rocks have been greatly brecciated, permitting the circulation of sulphide solutions . . . Within 100 yards of the northeast shore of the lake, trenching has revealed a pyrite band 3 feet in width. A chipped sample across three feet yielded, on assay, 31.3 per cent of sulphur and \$2.40 of gold to the ton. There was not enough work done to disclose the extent of the deposit."

Coleman Deposits.

"D. Coleman, a prospector, has located a pyrite deposit one-quarter of a mile north of mileage 55.7 on the railway. At this locality on the side of a large hill of cherty-looking rhyolite, is a vein-like deposit five feet in width containing considerable pyrite. . . . About 100 yards west of the pyrite showing, and on the south shore of a pond is a massive pyrrhotite body, five feet or more in width, from which samples gave, on assay, no values in gold, platinum or nickel."

McCann Claims.

These claims, T.B. 2808, 2809, 3,060, and K. 115, owned by J. C. McCann, of Kowkash, are 3 miles north of Paska station.

Hopkins says: "Mr. McCann has done several hundred feet of trenching near the III-mile post of Code's meridian line to Howard falls, in an endeavour to locate a pyrite deposit. The stripping has revealed gossan in the form of rusty sand and limonite below which is considerable pyrite and a mixture of pyrite and pyrrhotite, somewhat interbanded, in a cherty quartz-porphry and altered iron formation. The deposit across 50 feet would run about 20 per cent of sulphur, there being a much larger amount of lower grade material. A sample of the massive sulphides contained no gold or nickel."

Willet Lake.

"Pyrite was discovered by the writer on the small pond four chains east of the east end of Willet lake. . . . The pyrite occurs disseminated through a "sugary" quartz-schist which strikes N. 70° W. and dips vertically. Ten feet of the deposit would run about 25 per cent of sulphur; a sample showed gold to be absent. If some trenching were done in this vicinity a workable pyrite deposit might be located."

Pyrrhotite Deposits.

Several large bodies of massive pyrrhotite occur in different parts of the district. In so far as they are known, they carry neither gold, nickel nor platinum, and are of no commercial importance.

"The largest body seen lies on the south central shore of *Marshall lake*, where an open-cut through shallow gossan reveals fifteen feet or more of pyrrhotite which contains a small amount of pyrite and quartz. . . . A mile and three-quarters northeast of Marshall lake, near *Lower Meta lake*, considerable work has been done on a rusty hornblende-mica schist containing much disseminated pyrrhotite."

A sample from a pit eight feet deep, three-quarters of a mile east of the eighty-fourth mile post on the east boundary of the Nipigon Forest Reserve, consists "largely of pyrrhotite with some pyrite and magnetite, an altered iron formation."

A pyrrhotite mass has been found also at *Rupert falls*, on the Kawashikagama (Kowkash) river.

DEPOSITS ACCESSIBLE FROM THE TIMISKAMING AND NORTHERN ONTARIO RAILWAY:
NORTH BAY TO COCHRANE.

TIMAGAMI BAY TO COCHRANE.

In a report on "Iron Ores of Nipissing District," W. G. Miller¹ draws attention to the possible future value, as sources of sulphur, of certain belts of pyrite-bearing rock that are found running roughly parallel to the iron ranges in the vicinity of Lake Timagami. The distance separating the pyritous belt from its accompanying band of iron formation is usually less than half a mile.

Some of the localities in which Miller reports such pyrites-bearing belts to occur are: *Snake lake, Turtle lake, Matagama point, Vermilion lake, O'Connor lake, Net lake, Heart lake, Kokoko lake, Austin bay, Cross lake, and Emerald lake.*

A sample of the pyrites in a pyritous band south of O'Connor lake yielded, on analysis, 35.91 per cent sulphur, and \$1.20 in gold per ton; another, from the south shore of Vermilion lake, 30.31 per cent sulphur and \$2 in gold per ton. A third sample, of mixed pyrites and rock, from the south shore near the eastern extremity

¹ Tenth Annual Report of the Ontario Bureau of Mines, 1901, pp. 160-180.

SESSIONAL PAPER No. 26a

of the northeast arm of lake Timagami gave 26.2 per cent sulphur, 0.48 per cent copper, 0.27 per cent nickel, and \$1.40 in gold per ton.¹

O'Connor Prospect.

Mining claim W.D. 357, in the township of Strathcona, owned by J. T. O'Connor, of Sudbury, has been located on one of these pyritous bands, as a copper prospect. This prospect is on the south shore of the northeast arm of Timagami lake, about 2½ miles from Timagami station.

The pyritous band, which also carries pyrrhotite and a little chalcopyrite, can be traced northeastward across this claim and the next two claims to the east—W.D. 402 and W.D. 401; it parallels a band of iron formation that runs through Turtle lake, north of the northeast arm. The country rock is greenstone and green schists. In many places a felsitic looking rock—possibly rhyolite—occurs on the foot-wall side of the pyritous zone. The dip is northwestward at varying, but usually low, angles.

Not far from the lake shore, on W.D. 357, there are seven or eight pits and open-cuts, from which some 1,000 tons of ore are said to have been taken; 542 tons are said to have been shipped to Grasselli Chemical Company's works at Hamilton in 1916. As seen in the pits, pyrites and rock are irregularly intermixed, widths of from four to six feet of fairly pure looking pyrites being accompanied by rock matter heavily charged with pyrites. Judging by its appearance, most of the material would require considerable culling to make a merchantable grade of pyrites.

A sample of the best looking ore taken from one of the piles yielded:—²

	Per cent.
Sulphur.....	39.40
Iron.....	43.55
Insoluble.....	11.55
Copper.....	1.17
Zinc.....	1.57
Arsenic.....	0.009

Analyses furnished by Mr. J. T. O'Connor, the owner, show: sulphur 20.12 to 39.4 per cent, copper 0.78 to 5.4 per cent, and 0.03 to 0.05 oz. gold per ton.

In the winter of 1916-17 eight diamond drill holes, aggregating 1,000 feet of drilling, were put down in the vicinity of the pits. Six of these are said to have passed through pyrites five to thirty feet thick. The drill cores were not analysed.

Test pits along the strike of the fahlband, on the east side of W.D. 357 and on W.D. 402, also show some fairly clean pyrites mixed with rock heavily charged with pyrites. A sample from one of these pits near the east boundary of W.D. 357 yielded:—²

	Per cent.
Sulphur.....	28.21
Iron.....	32.26
Insoluble.....	8.12
Copper.....	1.20
Zinc.....	1.47
Arsenic.....	0.007

Mandy Claim.

A deposit of pyrites occurs in the township of Cassels, a short distance inland from the east shore of Outlet bay of Net lake, on what is known locally as the Mandy claim, which in so far as could be ascertained, is identical with mining claim T.R. 1229.

Shallow pits and trenches, scattered over an area about 100 feet in diameter, disclose an irregular deposit, of undetermined extent, of mixed pyrites and quartz in

¹ W. G. Miller, Tenth Annual Report, Ontario Bureau of Mines, 1901, p. 180.

² H. A. Leverin, analyst.

greenstone country rock. Some of the pyrites, which is fine-grained and massive, is quite clean looking, though most of it is mixed with considerable quartz. The unaltered pyrites is overlain by a thin capping of gossan and cellular leached quartz.

A sample of some of the better looking pyrites from one of the pits yielded, on analysis:—

	Per cent.
Sulphur	44.58
Iron	42.64
Insoluble	9.45
Arsenic	Trace.
Zinc	0.49

Northland Pyrites Mine: James Lake.

The Northland Pyrites mine, also known as the Rib lake, James lake, or Harris mine, is situated on the shore of James lake, about 10 miles north of Timagami station. A spur line, half a mile long, formerly connected the mine with the Temiskaming and Northern Ontario railway.

The deposit, discovered in 1903, was not developed until 1906, when shipment of pyrites commenced, and was continued with few interruptions until July, 1910, when the mine was abandoned, and the plant afterwards removed. No work has been done since 1910. The last two months before closing down, the mine was operated under lease from the owners—The Northland Mining Company of London, Ontario—by C. B. Stranahan of New York.

At the time of its abandonment the shaft had reached a depth of 300 feet, and levels had been driven at 100, 175, and 275 feet. On the first level, drifts had been carried 150 feet north and 250 feet south of the shaft; on the second level, 165 feet north and 200 feet south. Stoping had been done above all three levels. The stopes between the first and second levels were from 10 to 20 feet wide. In addition to that won from the underground workings, considerable pyrites was also mined from open-cuts southeast of the shaft. Most of the output went to Buffalo, N.Y.

The deposit in which the main shaft was sunk was a lens-shaped body enclosed—in a rusty belt, or fahlband—in soft green schist, about 100 feet east of its contact with a grey hornblende granite. The dip of the deposit, and of the enclosing schist, is west, at an angle of about 70 degrees. The only impurities in the pyrites were some small veinlets of quartz, and, in places, finely disseminated pyrrhotite. Massive pyrrhotite occurred on both walls of the lens.

Other lenses of pyrites have been found in the same pyritous zone, or fahlband, which is fairly strong and traceable for a quarter of a mile or more.

BOSTON TOWNSHIP.

Whelan Prospect.

Mr. P. Kirkegaard, Sun Life Building, Toronto, did some work during the summer of 1918 on a pyrites prospect, known as the Whelan claims, situated $2\frac{3}{4}$ miles east of Dane station on the Temiskaming and Northern Ontario railway. The workings are about 600 feet south of the road from Dane to Larder lake, on mining claim L. 7069, the northwest quarter of the south half of mining location M.R. 14, Boston township.

Here, the trees and brush have been cleared from an area about 150 or 200 feet square; the rock surface partly stripped, and several test pits sunk. The pyrites, mixed with much quartz, is found associated with a black, cherty, pyritous banded rock resembling iron formation, and greenstone, both of which are cut by small trap dikes. Acid eruptives also occur in the immediate vicinity; and the rocks appear to

SESSIONAL PAPER No. 26a

have been much disturbed and altered. There are some pyrrhotite and magnetite in places. The mixed pyrites and quartz, as seen in the exposures, is in seemingly discontinuous bodies scattered without apparent order over the cleared area. Bands, or probably pockets, of pyrites, from a few inches to seven or eight feet thick, were measured in the various openings. Some small spherical nodules of pyrites, as well as disseminated crystals, are to be seen in the black chert.

The material in the ore piles is pyrites mixed with considerable quartz and some pyrrhotite. A general sample from one of the piles yielded, on analysis:—

	Per cent.
Sulphur	41.03
Iron	37.39
Insoluble	19.60
Arsenic	0.01
Zinc	0.20

About 100 feet north of the clearing, beside the trail leading to the Dane-Larder Lake road, a pit 10 by 20 feet has been dug about 14 inches deep in drift stained a deep red by iron oxides which may either have been washed down from the rocks exposed in the clearing, or have been derived from sulphides in place.

HEARST TOWNSHIP.

Two pyrites prospects in the township of Hearst are described by P. E. Hopkins, of the Ontario Bureau of Mines, in "The Canadian Mining Journal" for February 5th, 1919, p. 71, as follows:—

Mining Claim H.S. 904.

"A promising pyrite prospect occurs on Claim H.S. 904, or No. 2747 on Sharp creek, one-half mile from the southwest bay of Larder lake, in Hearst township. This is one patented claim of a group owned by the Combined Larder Mines, Ltd., in which James Hales, barrister, Imperial Bank Building, Toronto, is interested. The claims were extensively prospected near the surface for gold several years ago, but apparently with little success. In October, 1918, the writer, while examining some of the old workings, noticed that a mineral dump on the above claim, H.S. 904, consisted almost entirely of massive iron pyrites with some gossan. The shaft was full of water, but the owners reported the shaft to be 25 feet deep, with a 25-foot cross-cut at that depth, all of which were in pyrite. The dump consists mainly of fine-grained, massive, pyrite with occasional quartz and dolomite stringers carrying a little pyrrhotite and magnetite. An eight pound sample which was fairly representative of the dump yielded on analysis 43.00 per cent of sulphur and 40 cents of gold to the ton. About 100 yards northwesterly from the dump, with intervening drift covered surface, is a deposit of "sugary" quartz, and 100 yards farther along the same strike is a 30-foot shaft in a banded formation of "sugary" quartz with much pyrite and pyrrhotite. The rocks in the vicinity are dominantly green chlorite schists and pillow lavas. The deposit is apparently worthy of further development. It lies 12 miles distant from the Temiskaming and Northern Ontario Railway, and 1½ miles from the Associated Goldfields hydro-electric transmission line."

Mining Claim H.S. 913.

"Massive iron pyrite several feet wide was also seen in a 6-foot pit on claim H.S. 913 in the southeast part of Hearst township."

EBY TOWNSHIP.

Feick Prospect.

The Feick pyrites prospect is on the southwest quarter of the north half of lot 2, concession III of the township of Eby, 3½ miles due south of Kenogami station on the Temiskaming and Northern Ontario railway. It can be reached from Swastika, 5 miles distant by bush trail.

Harry O. Feick, of Kitchener, Ont., is the owner.

The rusty, weather surface of a fahlband striking northward has been uncovered over a length of 1,000 feet or more, and a number of trenches and test pits dug in the altered rock. One pit, 10 feet deep, in a gossan of limonite and cellular quartz, shows in the bottom a width of 10 feet of massive pyrites with some intermixed quartz. A sample taken for analysis yielded:—

	Per cent.
Sulphur.....	40.91
Iron.....	36.82
Insoluble.....	20.41
Arsenic.....	0.015
Zinc.....	0.20

The rocks in which the fahlband occurs are Keewatin: greenstones, schists, and iron formation. Intrusive syenite occurs a short distance to the east.

MAISONVILLE TOWNSHIP.

In the Twenty-third Annual Report of the Ontario Bureau of Mines, Part II, p. 34, A. G. Burrows says:—

“On lot 7, in the third concession of Maisonville the iron formation is much fractured and impregnated with iron pyrites, pyrrhotite and a little copper pyrites. A sample of pyrrhotite, on analysis, showed a trace of nickel. The rock in the vicinity is greatly oxidized, and this locality is worthy of prospecting for iron pyrites.”

PORCUPINE AREA.

Bobs Lake Prospect.

A pyrites deposit of such extent as to have attracted attention to its possible economic value, outcrops on the south shore at the east end of Bobs lake, on lot 7, in concessions III and IV, Whitney township; about three-quarters of a mile east of South Porcupine station on the Porcupine branch of the Temiskaming and Northern Ontario railway.

The pyrites occurs in a band of siliceous iron formation that can be traced from the lake shore southwestward for a quarter of a mile. Associated with the iron formation are green schists interlaminated with acid eruptives, of which some of the latter are porphyritic. Diabase dikes cut all these rocks, pyritous iron formation included. On the lake shore, the dip of the pyritous band is to the northwest at an angle between 40 and 50 degrees; farther inland the dip becomes steeper.

In part the pyrites is massive and tolerably pure-looking, but most of it is finely disseminated through quartz. Pyrrhotite occurs with it in places. The best exposures are to be seen in three shallow pits, or open-cuts, on the lake shore; other pits farther inland along the strike show, for the most part, only gossan or lean iron formation. The width of the pyritous band could not be determined with certainty, but fourteen feet of the mixed pyrites and quartz are exposed at one place on the shore.

SESSIONAL PAPER No. 26a

Of the following analyses (1) represents a sample of the purer portions of the band, (2) a general average of the exposure.¹

	1.	2.
	Per cent.	Per cent.
Sulphur.....	44.33	29.68
Iron.....	42.78	34.88
Insoluble residue.....	7.84	20.30
Zinc.....	0.10	0.54
Arsenic.....	0.007	0.009

In the winter of 1916-17 three diamond drill holes were put down through the ice, to explore for the deposit under the east end of the lake—on lot 6, concession IV. The two westerly holes are said to have penetrated pyrites, but no authoritative information is available as to the results obtained.

Moyer Veteran Claim.

About a mile southwestward along the general line of strike of the Bobs lake deposit, pyrites has also been found, in a small low outcrop barely rising above the soil at the northeast corner of the south half of lot 9, concession III, on the Moyer Veteran claim.

The deposit here occurs in the form of a band of highly pyritous schist. The schist strikes northeastward and the dip is nearly vertical. Drift covers the north side of the pyritous band, but parallel with it on the south side is a band of acidic eruptive rock, and, south of that again, green chloritic schist. A width of 18 feet of interlaminated pyrites and schist is exposed.

An average sample taken across this width yielded:—²

	Per cent.
Sulphur.....	26.10
Iron.....	42.07
Insoluble residue.....	5.62
Zinc.....	0.24
Arsenic.....	0.009

MCCART TOWNSHIP.

Dan O'Connor's Claim.

In 1916, Mr. Dan O'Connor, of Connaught, Ont., uncovered a showing of pyrites while prospecting for nickel on the south half of lot 7, concession V, of the township of McCart. The occurrence is about 3½ miles west of Nellie Lake siding on the Temiskaming and Northern Ontario railway.

The pyrites was found in some pits and trenches dug through the drift covering the bottom of a shallow valley, or longitudinal depression, in the rocks. These workings were full of water when the property was visited, and consequently not in a condition to afford much information. A large part of the material that had been blasted out was piled up alongside of them, however, and could be examined. This material is a black, cherty-looking, schistose rock through which spherical nodules of pyrites are rather sparingly scattered. In addition to the scattered nodules of pyrites, there are also, intercalated in the black schist, thin, pinching and swelling layers made up partly of nodular pyrites, and partly of quartz. The greatest thickness of pyrites seen in any of these layers was six inches; generally it was under three inches. Considerably less than one-half the volume of the material in the pile would be pyrites.

¹ H. A. Leverin, analyst.

² H. A. Leverin, analyst.

M. B. Baker, who inspected the deposit when it could still be seen in the pits and trenches, says: "Scattered through the ash rock or tuff (black carbonaceous schist) are small, round, ball-like concretions of iron pyrites. They vary in size from that of peas to balls two inches in diameter. In places there is a layer six feet or more in thickness, where these ball-like concretions are so packed together as to be almost touching each other."¹

A similar occurrence of nodular pyrites associated with quartz in graphitic schist, or slate, is that on the Nicuso Syndicate's pyrites claims, 14 miles southwest of English River station; others, on the Lake of the Woods, have been described by A. C. Lawson² and A. L. Parsons.³

¹ Twenty-sixth Annual Report, Ontario Bureau of Mines, 1917, p. 272.

² Geol. Sur., Can., Annual Report, 1885, p. 58 CC.

³ Twenty-second Annual Report, Ontario Bureau of Mines, 1913, p. 221.

NON-METALLIFEROUS MINES DIVISION.

I.

LIMESTONES OF ONTARIO AND QUEBEC.

HOWELLS FRÉCHETTE, *Chief of the Division.*

The investigation of the limestones and dolomites of Ontario and Quebec was continued during the summer of 1918.

QUEBEC.

In view of the demand for dolomite in the Province of Quebec, and the scarcity of pure grades of this rock within a short haul of Montreal and other consuming centres, a week was devoted to re-examining certain districts where the best stratified dolomites had been observed during the regular course of this investigation.

The stratified dolomites of this Province belong, almost exclusively, to the Beekmantown formation and, as a rule, are highly siliceous. It was hoped that by a closer examination of certain areas, dolomites suitable for the production of dolomitic lime, or for use in the wood-pulp industry, might be found. The results of this examination, however, were negative.

There are a number of exposures of dolomite, probably of Beekmantown age, about 3 miles east of St. Elizabeth, Joliette county, to the south of the road leading to Berthier. The old quarry on the property of Mme. Ovide Farland was resampled. In a previous report the analyses quoted were obtained from "hand samples," hence it was deemed advisable to secure more representative "average samples." Sample 1 was taken from the upper bed, which is about five feet thick. This stone is light bluish-grey and of very fine texture. Beneath this occurs a layer of almost black spathic material, represented by sample 2. It is irregular in thickness, varying from two feet to almost nothing. Underlying this are heavy beds of a light brownish-grey, fine-grained, porous dolomite, closely resembling that which occurs near Carleton Place, Ontario. Sample 3 was taken from these lower beds which are exposed for a thickness of about six feet. Many exposures in the vicinity were examined, but no pure dolomites were encountered.

Sample Number.	1.	2.	3.
Insoluble siliceous matter.	7.94	5.00	12.75
Ferric oxide.	0.81	1.13	0.81
Alumina.	1.67	0.15	0.99
Calcium carbonate*.	56.19	60.86	68.39
Magnesium carbonate†.	33.76	30.60	15.75
* Equivalent to lime.	31.47	34.08	38.29
† Equivalent to magnesia.	16.14	14.62	7.52

Exposures of rock were examined at various points along the river L'Assomption for several miles above Joliette. Such dolomites as were seen were decidedly impure, therefore no samples were taken for analysis.

On a previous visit, in the neighbourhood of Philipsburg, Missisquoi county, samples of dolomites which contained upwards from 7.8 per cent silica and insoluble

matter were secured. A further examination was made, and the two following samples were taken from what appeared to be the purest beds:—

Sample Number.	4.	5.
Insoluble siliceous matter.	14.78	4.58
Ferric oxide.	0.96	0.32
Alumina.	1.44	1.08
Calcium carbonate*.	50.12	53.70
Magnesium carbonate†.	32.12	38.18
* Equivalent to lime.	28.07	30.07
† Equivalent to magnesia.	15.35	18.25

These samples were taken along a ridge on lot 4, West Parish, St. Armand township, Missisquoi county, to the southeast of the village of Philipsburg. Sample 4 represents a dark blue, fine-grained dolomite which is exposed over a considerable area. Sample 5 represents a fine-grained, light grey dolomite lying immediately to the east of the foregoing.

Since the first report on this district was published¹ the Canada Carbide Company, Limited, has opened a quarry on the farm of E. H. Morgan, lot 2, range IX, Stanbridge township. The quarry is between 600 and 700 feet long by about 50 feet wide. A spur line from the Grand Trunk railway serves the quarry. Drilling is done by tripod steam drills. From the quarry floor the stone is hoisted by means of a travelling crane and loaded directly into railroad cars. In June about forty men were employed in this quarry.

The stone is a very fine-grained, dark grey, high calcium limestone, of exceptional purity.²

Near St. Vincent de Paul, a quarry is being opened, and a very large and well-equipped crusher plant is in course of construction by the Laurin and Leitch Engineering and Construction Co., Ltd. Their works are situated on the south side of the Montreal-Quebec branch of the Canadian Pacific railway, about one mile west of St. Vincent de Paul station. At the time of my visit, work had not progressed sufficiently to enable samples to be taken. The stone is similar to that in N. Brunnet's quarry,³ which is situated a short distance to the west.

ONTARIO.

The main part of the investigation of the limestones of Ontario was conducted in 1917, but at the close of the field season a number of scattered deposits of more or less importance remained to be visited. These were examined during 1918, and a few points were revisited for the purpose of obtaining additional information.

Lanark County.

Sample 6 is an average taken from extensive exposure of a very coarse-grained, white, crystalline limestone, on lot 29, con. VIII, North Elmsley township, near Otty lake. About ten years ago this stone was used for lime burning, but in recent years no quarrying has been done.

On lot 3, con. IV, Bathurst township, a small pot kiln has been built recently by Robert Tysick. No quarry had been developed in the late summer, but large exposures

¹ Mines Branch Summary Reports, 1914 and 1915.

² For analysis see Mines Branch Summary Report, 1914, page 44, sample 72.

³ Mines Branch Summary Report, 1914, page 40.

SESSIONAL PAPER No. 26a

of coarse-grained, crystalline limestone, exist close at hand. Sample 7 was obtained from an opening on the roadside, where stone had been quarried for road work.

Sample Number.	6.	7.
Insoluble siliceous matter..	1.50	2.00
Ferric oxide..	0.25	0.20
Alumina..	0.15	0.20
Calcium carbonate*.	89.23	91.72
Magnesium carbonate†..	6.80	6.17
* Equivalent to lime..	49.96	51.36
† Equivalent to magnesia..	3.25	2.94

Hastings County.

Pre-Cambrian rocks underlie the greater part of Hastings county, extending from its northern boundary, southward, to within about 25 miles of the Bay of Quinte, where the Palaeozoic limestones are encountered.

Within the Pre-Cambrian area there are many outcrops of crystalline limestone and dolomite. In the majority of cases these rocks are rather impure, containing tremolite, mica, or other silicates, and, sometimes, graphite. Some outcrops show clean material quite suitable for the production of lime, or for other industrial uses. Poor roads and long rail haul to consuming centres adversely influence the development of quarries in the northern section of the county.

Sample 8 represents the white marble in the waste piles at the quarries of the Ontario Marble Quarries, Ltd., on lots 29 and 30, con. X, Dunganon township. This company is in liquidation, and the quarries and mill were idle in July, but were later reopened, under lease, by the Bancroft Marble Quarries, Ltd.

Sample 9 was taken from an old quarry on the southern outskirts of Madoc, from which "black marble" was taken many years ago. The stone is a very dark blue, almost black, very fine-grained Pre-Cambrian limestone, which has undergone very little metamorphism. The beds, which dip vertically, are somewhat banded, and in places carry a small amount of pyrite. The spacing of jointing and bedding planes should permit quarrying blocks of fair size.

The boundary between the Pre-Cambrian and the Palaeozoic rocks, which lie to the south, crosses the county in a somewhat irregular course extending from Crow lake eastward, south of Moira lake, and along the twelfth concession of Hungerford township. Numerous, more or less isolated outliers of Palaeozoic limestones are seen to the north of this line, notably in the vicinity of Madoc, where they extend northward beyond Eldorado.

Along the northern fringe of the Palaeozoic the overburden is light, and local escarpments offer good quarry sites.

Southward, to the shore of the Bay of Quinte, the rocks are exposed in only a few places, owing to the heavy overburden of drift. At Point Anne there are extensive quarries producing crushed limestone and limestone for cement making. At Belleville there is a small quarry from which stone is obtained for city public works, and some stone is taken from the bed of the Moira river for lime burning and other purposes.

In the interior, the only large quarries are situated along the Grand Trunk railway at Crookston. These are described by Parks in his report on building stone.¹ They are at present idle.

Sample 10 was taken from the twenty-foot face of the Gibson quarry, Crookston.

Sample Number.	8.	9.	10.
Insoluble siliceous matter..	1.00	2.04	3.15
Ferric oxide..	0.81	0.10	0.15
Alumina..	0.69	0.10	0.05
Calcium carbonate*.	58.20	91.78	88.78
Magnesium carbonate†..	39.06	5.51	7.89
* Equivalent to lime..	32.59	51.40	49.71
† Equivalent to magnesia..	18.67	2.63	3.77

¹ Pages 215 to 220, Report No. 100, Mines Branch.

Ontario County.

Trenton limestone is exposed in low cliffs along the southeast shore of Lake Simcoe, in the township of Thorah. On lot 22, concession I, about six feet of strata are exposed. The beds are thin, the thickest being six inches, and there is much shale in the upper portion. Sample 11 is representative of the lower four feet. The overburden averages about ten feet.

Sample Number.	11.
Insoluble siliceous matter..	6.90
Ferric oxide..	0.81
Alumina..	0.59
Calcium carbonate*..	89.50
Magnesium carbonate†..	0.80
* Equivalent to lime..	50.12
† Equivalent to magnesia..	0.38

Between this occurrence and Lake Ontario no exposures of limestone were observed.

Wellington County.

The plant of the Elora White Lime Company, at Elora, was revisited. At the time of my previous visit this plant was undergoing alterations. A Shaffer continuous hydrator has been installed, and the battery of kilns increased from four to five; the new kiln having a capacity of from thirteen to fifteen tons per day. A lower cut is being made in the quarry, with the object of securing stone of more uniform quality and freer from calcite inclusions. Number 12 is a sample of the upper loose beds of the old workings in which there are many small cavities lined with calcite crystals. Sample 13 represents the blue bed near the old floor of the quarry. Sample 14 was taken in the new part of the quarry and represents the upper four feet of the new face.

Sample Number.	12.	13.	14.	15.
Insoluble siliceous matter..	1.20	1.80	1.10	0.20
Ferric oxide..	0.35	0.30	0.30	0.40
Alumina..	0.05	0.10	0.70	0.20
Calcium carbonate*..	57.10	52.46	54.60	57.10
Magnesium carbonate†..	40.45	43.48	43.16	42.02
Alkalies..	0.46	n.d.	n.d.	n.d.
Combined water..	0.20	n.d.	n.d.	n.d.
*Equivalent to lime..	31.99	29.39	30.59	31.97
†Equivalent to magnesia..	19.34	20.79	20.64	20.08

Sample 15 is representative of the lower six feet in the quarry of J. L. Maloney,¹ situated on the south side of the Canadian Pacific railway, about one-half mile west of Puslinch station.

Lincoln County.

During 1918 the Imperial Munitions Board obtained stone from the old Gibson quarry,² on lot 14, concession VI, Clinton township. Sample 16 is representative of the stone from this quarry.

Sample Number.	16.
Insoluble siliceous matter..	0.40
Ferric oxide..	0.48
Alumina..	0.32
Calcium carbonate*..	54.25
Magnesium carbonate†..	42.16
*Equivalent to lime..	29.38
†Equivalent to magnesia..	20.15

¹See page 36, Mines Branch Summary Report, 1917.

²See page 37, Mines Branch Summary Report, 1917.

II.

- (a) INVESTIGATION OF GRAPHITE AND THE GRAPHITE INDUSTRY.
(b) MICA FOR CONDENSER PLATES.

HUGH S. SPENCE.

Graphite.

The preparation of the report on graphite—commenced last year—was continued, and many of the mines and mills revisited in order to collect additional data. Several new properties in process of development were visited, also a number of manufacturers of graphite products, both in Canada and the United States. The data collected have been embodied in the writer's report "Graphite" which is to be published by the Mines Branch, and which will shortly go to press.

While little activity was shown in the graphite mining industry during the war period, there are, at the present time, signs of a revival of interest in the possibilities of Canadian graphite. The concentration of flake graphite ores has always been attended with many difficulties, and the mill methods in use have proved so inefficient—both from the point of view of the grade of product made and the cost of production—that few operators have been able to work at a profit. As a result, the record of Canadian graphite has, for the most part, been one long series of failures; notwithstanding the fact that Canadian flake ores compare favourably with any on the American continent, and that far lower grade material has been worked successfully in the United States.

Considerable attention has been devoted in the past two years to the possibilities of oil flotation for concentrating graphite, and the results obtained both on an experimental scale and in actual mill practice have demonstrated that this method offers probably the cheapest and most efficient means of treating graphite ores that has yet been devised. The Callow system of oil flotation has lately been installed in several Canadian mills, and is under consideration by others. In addition, there is a prospect that various abandoned properties, and others hitherto undeveloped, may be opened up; oil flotation being the concentration method to be followed. Many of the flake ore deposits—more particularly the gneissic bands of the Buckingham district, Province of Quebec—offer undoubted possibilities provided a satisfactory method of concentration can be devised.

Mica.

During 1918, the Imperial Ministry of Munitions, being confronted with a shortage of high grade mica suitable for magneto-condenser plates, approached the Canadian Government with a view to ascertaining whether supplies of such mica were obtainable from Canada. In response to this inquiry, the Mines Branch transmitted—through the Imperial Munitions Board—samples of mica representative of the grades procurable from Canadian deposits. The sheets were tested for their dielectric strength by the Imperial authorities, and a report on the results obtained was received by the Mines Branch. The report submitted showed, that certain of the samples—notably those from British Columbia—were eminently suitable for the purpose indicated. An endeavour was made to interest owners of mica mines and claims with a view to obtaining supplies, but before any further action could be taken, a notification was received from the British Government, intimating that owing to lack of bottoms, the project of securing mica supplies from Canada had been abandoned.

III.

SILICA AND MOULDING SAND RESOURCES OF EASTERN CANADA
AND SALT IN NOVA SCOTIA.

By L. HEBER COLE.

The investigation of the silica and moulding sand resources of eastern Canada was continued during the field season of 1918. On April 2, at the request of the Imperial Munitions Board for data regarding deposits of silica in Quebec suitable for use in the manufacture of ferro-silicon, I began a special investigation of the silica deposits located in the vicinity of Notre-Dame-des-Anges, and in the Kamouraska district on the south shore of the St. Lawrence, about 70 miles northeast of the city of Quebec. A special report on these two districts was prepared, and handed to the Imperial Munitions Board, and the owners, immediately on my return to Ottawa.

In continuation of the regular investigation, I proceeded on the 10th of June to examine the area lying to the north of the Ottawa river, between Buckingham and Montreal; and then, until the middle of August, spent the time visiting silica and moulding sand deposits in southern Ontario in the district west of Ottawa.

On the 20th of August I went to Fort William to examine the silica occurrences in that district, and also took a short trip up the Wolfe river from Drion station, 60 miles east of Port Arthur, where I sampled several rocks in that vicinity to determine their suitability for building stones. On my return trip, some quartz and quartzite deposits in the Georgian Bay and Sudbury districts were examined, as well as localities in the vicinity of Cobalt.

On the 2nd of October I proceeded to the Maritime Provinces, and spent three weeks investigating some silica sands and moulding sand deposits in New Brunswick and Nova Scotia.

The field work ended on the 31st of October.

PRELIMINARY REPORT ON THE SILICA DEPOSITS OF EASTERN CANADA.

The silica deposits of Canada have not been exploited to any great extent in the past, and it is only within the last few years that any systematic investigation has been made of any of them with a view to ascertaining their economic value. The attention of the Mines Branch has been concentrated on many of the more promising localities in which silica deposits are to be found, and considerable data have been gathered in the field, with the intention of incorporating the information thus obtained in a bulletin to be entitled "Silica in Canada." The field work so far accomplished in connexion with this investigation has covered the principal localities east of Fort William. Many of the deposits were determined, in the field, as unsuitable for any known commercial use, but wherever there was the slightest possible chance of a deposit being of commercial value, samples were taken for further examination in the Mines Branch laboratories. A number of these proved, on preliminary tests, to be unsuitable, hence no further trials of these will be made. Others give promise of being capable of utilization in one or other of the many forms in which silica is applied in manufacturing and other industries. Altogether, over 100 samples were obtained from representative deposits throughout eastern Canada: consisting of vein quartz, quartzites, sandstones, natural sands, flints, and diatomaceous earth. In order that the results obtained may be promptly available the following preliminary report on the silica deposits of eastern Canada is given:—

SESSIONAL PAPER No. 26a

Silica.

Silica, sufficiently pure for industrial purposes, occurs in the following forms:—

- (a) Quartz crystals.
- (b) Vein quartz.
- (c) Flint.
- (d) Quartzite.
- (e) Sandstone.
- (f) Sands.
- (g) Diatomaceous earth.

The utilization of silica in many important industries is varied, and each industry requires the material in a particular form. Thus silica obtained from any of the above forms of occurrence will be best suited to a particular use. The selection of any special form of silica will also depend a great deal on the local conditions, such as availability, transportation facilities, etc.

The more important uses of silica, and the requirements of the several industries, will be dealt with at length in the final report, hence will only be enumerated here. The principal industries employing silica in one form or another are:—

- | | |
|----------------------------|--------------------------------------|
| (i) Glass industry. | (vi) Manufacture of ferro-silicon. |
| (ii) Pottery industry. | (vii) Manufacture of carborundum. |
| (iii) Enamelling industry. | (viii) Manufacture of silica brick. |
| (iv) Paint industry. | (ix) Manufacture of sodium silicate. |
| (v) Smelting industry. | (x) Steel foundries. |

Ontario.

The more important occurrences of silica in the Province of Ontario are in the form of sandstones, quartzites, and vein quartz, deposits of which occur in many parts of the province. The main areas will be briefly described.

THE ORISKANY SANDSTONE AREA.

The Oriskany sandstone, the lowest recognized Devonian formation found in Ontario, occurs in isolated and patchy outcrops in a narrow area running from Fort Erie westward to the vicinity of Hagersville. The most important development of this formation is found in the vicinity of Nelles Corners, where it outcrops over several square miles in the townships of North Cayuga and Oneida in Haldimand county. In this area the beds vary in thickness from 1 foot to 20 feet, and rest on dolomite. There is usually very little stripping to be done to expose the beds which are lying horizontally. The rock itself is usually massive and coarse-grained, easily friable, and the colour ranging from a creamy white to yellowish. The friability, and high silica content of this rock, has led to its exploitation as a silica sand; and one company, already, has a plant in operation on lot 49, con. 1, tp. Oneida; and another company is contemplating the erection of a plant nearby.

This area was visited, and a number of samples taken, and material analysed with the following results:—¹

	1738	1739	1740	1741	1742	1826	1827
Silica (SiO ₂).....	87.94	98.78	94.20	79.20	92.59	93.65	89.45
Iron oxide (Fe ₂ O ₃).....	.15	.17	.41	.49	.18	.28	.24
Alumina (Al ₂ O ₃).....	.51	.09	.39	.61	.08	.22	.06
Lime (CaO).....		.04	2.80	10.20		2.10	4.20
Magnesia (MgO).....		.10	tr.	1.25		.22	.29
Calcium carb. (CaCO ₃).....	5.87				3.59		
Magnesium carb. (MgCO ₃).....	.44				.51		
Loss on ignition.....	.29	.42	2.00	8.00	.27	1.70	4.20
Totals.....	95.23	99.60	99.80	99.76	97.22	98.17	98.44

1738. Run of pit (unwashed). Oneida Lime Co., Nelles Corners, Ont., lot 49, con. I, tp. Oneida, Haldimand co.

1739. From outcrop just north of mill (unwashed). Oneida Lime Co., Nelles Corners, Ont.

1740. Crushed and washed sandstone as shipped from mill of Oneida Lime Co., Nelles Corners, Ont.

1741. Material washed out of crushed sandstone and at present allowed to go to waste. Oneida Lime Co., Nelles Corners, Ont.

1742. From north side of quarry to east of mill (unwashed). Oneida Lime Co., Nelles Corners, Ont.

1826. Sandstone (unwashed). North end of S.W. $\frac{1}{4}$, lot 49, con. I, tp. Oneida, Co. Haldimand, Ont. Consolidated Plate Glass Co.

1827. Sandstone (unwashed). Average sample from the south $\frac{1}{4}$ of lot 4, con. I, tp. of Oneida, and N.W. $\frac{1}{2}$ of lot 46, con. 1 N., tp. of North Cayuga, Co. Haldimand, Ont.

These rocks carry a considerable amount of lime as a bonding material, and as can be seen from the above analyses the material from different parts of this area vary considerably in composition. The ease with which the material can be crushed to a sand, and the possibility of removing much of the impurities by washing, serve to increase the silica content, and to make the material suitable for some of the silica using industries.

To the west of Hagersville, Ont., there are sandstone beds exposed on the farm of S. W. Winger, on lot 6, con. XIV, tp. of Walpole, county of Haldimand. These beds are very similar in appearance and structure to the Oriskany sandstone near Nelles Corners; but they are classified by C. R. Stauffer as being the Springvale sandstone of the Onondaga series. A general sample was taken from the face of the ridge in the field just north of Winger's barns, and analysed with the following results:—

	SiO ₂	Fe ₂ O ₃	Al ₂ O ₃	CaO	MgO	Loss on Ignition	Total
1828.....	98.30	.24	.36	.40	tr.	.20	99.50

To the east of Port Colborne, Ont., on lot 13, Lake Erie front, Bertie township, there is a limestone quarry owned by the Standard Crushed Stone Co. Resting on top of the limestone in this quarry as a 2½-foot bed of siliceous material which is practically a flint. A sample of this material was taken and analysed:—

	SiO ₂	Fe ₂ O ₃	Al ₂ O ₃	CaO	MgO	Loss on Ignition	Total
1829.....	85.35	.52	.68	5.40	.46	5.30	97.71

¹The analyses throughout this summary were made by either Mr. F. W. Baridon or E. A. Thompson, of the Mines Branch.

SESSIONAL PAPER No. 26a

This material is too high in fluxing impurities to be suitable for use in the pottery industry, but is of interest, because this bed occurs at other localities in this area and it is possible that other outcrops where the material is purer may be found.

MILTON AREA.

There is a band of whitish-grey sandstone in the Medina formation in the vicinity of Milton, Ont., running north to Forks of Credit, which has an average thickness of about 12 feet. This material is well exposed in the quarry of D. Robertson and Co., on lot 3, con. VII, township of Nassagaweya. The sandstone is very fine-grained, and rests on shales, and is capped with a considerable thickness of beds of limestone. The material is very irregular in composition, but an average sample was taken for analysis:—

—	SiO ₂	Fe ₂ O ₃	Al ₂ O ₃	CaO	MgO	Loss on Ignition	Total
1833.....	91.90	.45	3.65	1.70	.22	.90	98.82

THE PORT ARTHUR AREA.

The district in the vicinity of Port Arthur contains numerous beds of sandstone of Keweenawan age, which are more or less friable, and which range in colour from dark brown to creamy white. Only a few exposures could be visited in the time available, consequently, although the samples taken were from the creamy white variety, it is possible that localities will yield a rock freer from impurities than the samples analysed.

—	SiO ₂	Fe ₂ O ₃	Al ₂ O ₃	CaO	MgO	Loss on Ignition	Totals
1835.....	91.30	.32	4.08	1.90	.72	1.70	100.02
1837.....	92.40	.64	.16	2.40	.61	2.00	98.21
1842.....	81.00	.89	9.31	3.20	1.26	2.40	98.06

1835. Sandstone (unwashed) from the property of Malcolm Watty on the Wolf river, 7 miles north of Dorion station, a point on the C. P. railway, about 50 miles east of Port Arthur, Ont.

1837. Sandstone (unwashed) from Simpson Island quarry, Lake Superior, Ont. Sample obtained from stonecutting yard, Port Arthur, Ont.

1842. Sandstone (unwashed) from quarry near entrance of Black bay, Ont., approximate location being 86° 31' 05" longitude and 48° 33' 10" latitude.

THE GEORGIAN BAY AREA.

In the territory lying to the north of the Georgian bay, there are extensive deposits of massive quartz and quartzites, which run high in silica, and which are suitable for the manufacture of silica brick, ferro-silicon, or as a flux in the copper-nickel smelters. Already the quartzite from Killarney is being quarried for ferro-silicon manufacture; and the quartzite occurring in the vicinity of Bellevue station on the Algoma Central railway, north of Sault Ste. Marie, is being utilized by the Algoma Steel Corporation, for the manufacture of silica brick. Quartz from the vicinity of the nickel deposits

of the Sudbury region, is being used as flux in the smelters. Samples taken analysed as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Totals.
1839.....	96·80	·41	1·60	1·00	·36	·30	100·47
1840.....	98·20	·49	·61	·70	·29	·20	100·49

A sample of calcareous sandstone was also obtained from the Quebec shore of Lake Timiskaming, directly opposite Haileybury, Ont., and analysed:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
1841.....	41·15	1·05	8·15	15·50	6·01	25·40	97·26

This sample was taken from the rocks in place on the shore, but I have been informed that on weathering, this material becomes white, and that when the water in the lake is low, the sandy beach at this point is composed of a very pure white sand. A marketable material might be obtained by dredging.

THE QUARTZ OF THE ARCHÆAN AXIS.

The area in lower Ontario, in which the ancient crystalline rocks may be found, lies to the eastward of a line from Kingston to the Georgian bay, and west of a line running from a point on the St. Lawrence river west of Brockville, in an irregular manner to the Ottawa river near Arnprior. Through these crystalline rocks many deposits of quartz are found associated with feldspar and a number of these were sampled as well as several quartzite deposits in the same area. The results of the analysis of these samples are as follows:—

Number.	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Totals.
1726.....	94·35	1·74	2·56	·20	·14	·50	99·49
1810.....	94·10	·45	·70	2·10	·94	·60	98·89
1811.....	98·70	·32	·33	·40	none.	·20	99·95
1818.....	99·15	·24	·01	·50	none.	·05	99·95
1819.....	99·30	·14	·01	·10	trace.	·25	99·80
1820.....	99·20	·10	·03	·20	none.	·22	99·75
1821.....	99·25	·08	·02	·05	none.	·20	99·60
1822.....	98·00	·17	·18	·85	none.	·40	99·60
1824.....	99·15	·21	·29	·30	trace.	·15	100·10
1825.....	98·30	·16	·04	·55	none.	·40	99·45
1859.....	97·72	·32	1·08	none.	·32	·38	99·82

1726. Quartzite from the south $\frac{1}{2}$ of lot 22, con II, tp. of Elizabethtown, Leeds co., Ont.

1810. Quartzite from N.E. $\frac{1}{2}$ of property owned by T. B. Caldwell, Lanark, Ont., situated $1\frac{1}{2}$ miles N.W. of Clyde Forks station, Ont.

1811. Quartzite from the S.W. $\frac{1}{2}$ of property owned by T. B. Caldwell, Lanark, Ont., situated $1\frac{1}{2}$ miles N.W. of Clyde Forks station, Ont.

1818. Quartz from lots 12 and 13, con. VIII, tp. of South Sherbrooke, Lanark co., Ont.

SESSIONAL PAPER No. 26a

1819. Quartz from property owned by Rinaldo McConnell, lot 6, con. VI, tp. South Sherbrooke, Lanark co., Ont.
1820. Quartz, south $\frac{1}{2}$ lot 9, con. IV, tp. South Sherbrooke, Lanark co., Ont.
1821. Quartz from lot 16, con. XI, tp. of Portland, Frontenac co., Ont.
1822. Quartz from west $\frac{1}{2}$ lot 16, con. X, tp. of Portland, Frontenac co., Ont.
1824. Quartz from the east $\frac{1}{2}$ of lot 5, con. X, tp. of Madoc, Hastings co., Ont.
1825. Quartz from lot 3, con. IV, tp. of Elzevir. From the east bank of the Moira river just north of Actinolite, Ont.
1859. Quartz, lot 22, con. II, tp. of Dungannon near Turiff station, on the C.O. railway, branch of the C. N. railway, about 75 miles north of Trenton, Ont.

The material from any of these deposits is of sufficiently high grade to be utilized for the manufacture of ferro-silicon, or in the pottery industry.

THE POTSDAM SANDSTONE AREAS.

Along the eastern flank of the Archaean Axis, numerous beds of sandstone, of Potsdam-Beekmantown age, are to be found. These beds exhibit great diversity in character, and irregularity in bedding. They are seen as scattered and isolated outcrops from the vicinity of Brockville to Westport and throughout the district north of Kingston; also along the Rideau lakes to Smith's Falls and Perth, and northward to Carleton Place and Almonte. An isolated occurrence of some extent is also to be found in Nepean township. These deposits of sandstone may be tentatively grouped under the following areas:—

KINGSTON AREA.

In the vicinity lying between Kingston and Gananoque, on the St. Lawrence river, and running northwest to Sydenham, there are numerous outcrops of Potsdam sandstone, which were examined; and in a number of cases were found to be fairly white, and uniformly free from iron stains. In several of the outcrops sampled, the white beds were of considerable thickness, and could be readily quarried without having an excessive amount of waste material.

WESTPORT AREA.

In the district around Westport and Newboro, in the townships of North Crosby and South Crosby, there is an extensive exposure of fine-grained sandstone. In many places this sandstone is badly stained with iron oxide, but a number of outcrops were noted and sampled, in which certain beds appeared comparatively free from impurities. This material crushes readily to the natural grain of the sand, which is between the 16 and the 100 mesh.

PERTH—SMITH'S FALLS AREA.

In the neighbourhood of Perth, and between Perth and Smith's Falls, another sandstone area was visited. The iron stained beds noted in the Westport area are also to be found in this area, and the white beds are also present, although they are not so numerous nor so thick.

NEPEAN AREA.

About 9 or 10 miles to the west of Ottawa, a number of quarries have been operated for a considerable time, producing building stone and paving blocks. The waste material from these quarries will average about 95 per cent silica; and in certain beds a white rock can be obtained which crushes readily into sizes suitable for the manufacture of glass.

The samples obtained from these several areas were analysed with the following results:—

Number.	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Totals.
1719.....	97·01	·18	·81	·25	·19	·74	99·18
1720.....	97·40	·39	1·21	·07	·14	·50	99·71
1724.....	97·91	·19	·80	·14	·12	·35	99·51
1725.....	98·47	·17	·25	·40	·09	·19	99·57
				CaCO ₃ .	MgCO ₃ .	(H ₂ O 105°).	
1727.....	95·35	·27	1·11	2·86	·39	·24	100·22
1728.....	97·76	·60	·54	·19	·34	·56	99·99
1731.....	98·57	·15	·38	·34	·21	·49	100·14
1732.....	98·00	·19	·16	·40	none.	1·10	99·85
1735.....	98·50	·28	·34	·28	·11	·42	99·93
1747.....	98·77	·20	·06	tr.	·04	·19	99·26
1753.....	98·80	·12	·18	none.	none.	·40	99·50
1809.....	96·54	·57	2·08	·55	none.	·10	99·84

All these analyses were made on the crude material.

1719. Sandstone, Leeds co., Centre of lot 8, con. VII, tp. of North Crosby, Ontario.
 1720. Sandstone, Leeds co., lot 15, con. I, tp. Crosby S., and lot 29, con. V, tp. Bastard, Ont.
 1724. Sandstone, Lanark co., south $\frac{1}{2}$ lot 11, con. VIII, tp. of N. Burgess, Ontario.
 1725. Sandstone, Lanark co., south $\frac{1}{2}$ of lot 26, con. X, tp. of N. Elmsley, Ontario.
 1727. Sandstone, Leeds co., from cliff on shore of St. Lawrence river, on S. $\frac{1}{2}$ lot 36, con. I, tp. Elizabethtown, Ont.
 1728. Sandstone, Frontenac co., lot 19, con. X, tp. of Loughborough, Ontario.
 1731. Sandstone, Frontenac co., lots 9 and 10, con. VII, tp. of Loughborough, Ontario.
 1732. Silica sand, Frontenac co., lot 10, con. VII, tp. of Loughborough, Ontario.
 1735. Sandstone, Frontenac co., north $\frac{1}{2}$ lot 16, con. VII, tp. Pittsburgh, Ontario.
 1747. Sandstone (salmon colour) north $\frac{1}{2}$ lot 16, con. VII, tp. of Pittsburgh, Ontario.
 1753. Sandstone, Nepean Sandstone Quarries, Ltd., South March (Carleton Co.), Ontario.
 1809. Sandstone, from property of J. Menzies, Perth, Ont., on the north bank of the Tay canal, $1\frac{1}{2}$ miles east of Perth, Ontario.

Quebec.

Silica is also found in the Province of Quebec in deposits of sandstone, vein quartz and quartzites. The principal deposits are to be found in the following areas:—

POTSDAM SANDSTONE AREA IN SOUTHWESTERN QUEBEC.

The Potsdam sandstone which is so largely developed near the New York border, between Huntingdon and Hemmingford, as well as along the St. Lawrence and Ottawa rivers, is in many places fairly free from iron oxide. The grains of the rock are small, and, in most cases, the material crushes readily. The best exposures with reference to transportation are to be found in the vicinity of Beauharnois, Melocheville, Cascades point, and in the area lying between the St. Lawrence river and Lake of Two Mountains. North of the Ottawa river, a number of outcrops are conveniently situated with reference to the several different railways: notably those at St. Canute and St. Scholastique. Material from these deposits has been used in Montreal and elsewhere for the manufacture of bottle glass; for steel foundry work; and for furnace linings. A number of samples were taken from this area and analysed:—

SESSIONAL PAPER No. 26a

Number.	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Totals.
1704.	87.70	.94	4.42	.25	.24	.13	93.68
1705.	96.48	.66	.32	.20	.20	.20	98.06
1706.	89.62	.85	3.73	.26	.15	.69	95.30
1707.	93.12	.81	2.57	.22	.20	.35	97.27
1708.	96.56	.29	.90	.10	.12	.19	98.16
1710.	97.54	.24	.28	.10	.10	.14	98.40
1711.	65.90	.49	1.11	11.00	6.12	15.00	99.62
1712.	94.80	.40	.10	1.50	.36	.30	97.46
1713.	89.70	.65	5.45	2.10	.48	.80	99.18
1714.	97.08	.39	.55	.18	.20	.31	98.66
1715.	98.25	.16	.17	.70	—	.35	99.63
1750.	98.07	.35	.10	.03	.27	.32	99.14
1815.	99.20	.48	.07	.05	none.	.20	100.00
1816.	92.40	1.05	2.95	.50	.29	.70	97.89
1817.	94.40	1.05	1.66	1.00	.18	.40	98.69

1704. Sandstone, Huntingdon co., Covey Hill, Que., on the farm of Chas. Brisbin, $\frac{1}{2}$ mile to south of east and west road.

1705. Sandstone, Huntingdon co., on main road between Hemmingford and Vicars, Que., 7 miles west of Hemmingford, Quebec.

1706. Sandstone, Huntingdon co. on east and west road, about one mile west of Maritana, Quebec, on farm of Joseph Foyer.

1707. Sandstone, Huntingdon co. Franklin Centre, Quebec, from bottom of east branch of Ontario creek just north of bridge.

1708. Sandstone, Chateauguay co., on north and south road $4\frac{1}{2}$ miles south of Ormstown, Quebec.

1710. Sandstone, Huntingdon co., on east and west road, $2\frac{1}{2}$ miles west of road from Hemmingford to Barrington, Quebec.

1711. Calcareous sandstone, on road to Mitchell's Corners, 1 mile east of St. Armand station, Quebec.

1712. Silica sand from the farm of G. H. Brooks, lot 6, in the 3rd range of Russelltown, Chateauguay co., Quebec.

1713. Silica sand from the farm of B. Roberts, $2\frac{1}{2}$ miles west of Russelltown, Que., on the road to Stockwell, Que.

1714. Sandstone, Beauharnois co., from quarry of Montreal Sand and Gravel Co., Melocheville, Quebec.

1715. Crushed and washed sand, Montreal Sand and Gravel Co., Melocheville, Que.

1750. Sandstone, Beauharnois, Quebec, from the farm of W. H. Roberts.

1815. Sandstone from the Stinson-Reeb quarry, St. Canute, Quebec.

1816. Crushed sandstone as it comes from the quarry of the Cascades Silica Products Co., Cascades Point, Que.

1817. Washed silica sand as produced by the Cascades Silica Products Co., Cascades Point, Quebec.

A study of these analyses shows that the samples from the southern part of the area run rather high in alumina and iron for commercial use. Number 1711 is a sandstone with well rounded grains embedded in a calcareous bond.

BUCKINGHAM AREA.

In this area are included the outcrops of Potsdam sandstone occurring in the vicinity of East Templeton, the quartz associated with feldspar from the Lievre River district, and the quartzite associated with the kaolin from the property of the Canadian China Clay Co., at St. Remi d'Amherst, Que.

The sandstone occurs as a prominent ridge near the Canadian Pacific railway line running from Ottawa to Montreal. It is iron-stained in many places but is readily crushed and it is possible that it can be washed to a fairly clean and pure product. The quartz of this area is found associated with feldspars in numerous small outcrops on many of the farms of the Lievre district. It is being quarried in the winter by the

9 GEORGE V, A. 1919

farmers and sold to the Electric Reduction Company at Buckingham, Que., where it is utilized as a flux in the preparation of phosphorus.

On the property of the Canadian China Clay Co., St. Remi d'Amherst, Que., the wall rock of the main kaolin deposit consists of a highly shattered quartzite, carrying from 5 to 12 per cent kaolin in the fractures. This material is capable of being washed to a sand which runs over 99 per cent silica.

The following samples were taken from this area and analysed:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Totals.
1861.....	98·75	·56	·24	none.	·15	·20	99·90
1812.....	99·00	·41	·14	·15	none.	·20	99·90
1754.....	96·30	·46	1·49	·20	trace.	1·10	99·55
1814.....	99·09	·32	·12	·09	trace.	·20	99·82

1861. Sandstone (unwashed) from the property owned by Mr. Bilsky at East Templeton, Quebec.

1812. Quartz from the stock pile in the yard of the Electric Reduction Co., Buckingham, Quebec. (An average sample of the quartz found in association with feldspar in the Lievre River district.)

1754. Quartzite (unwashed) from the Canadian China Clay Co., St. Remi d'Amherst, Que.

1814. Washed sand from the Canadian China Clay Co., mill at St. Remi d'Amherst, Que.

NOTRE-DAME-DES-ANGES AREA.

Dr. J. Austin Bancroft, in his report to the Quebec Department of Mines in 1915 on the geology of the Notre-Dame-des-Ange's district,¹ mentions the occurrence of several areas of Grenville quartzites which might be suitable for use where a high grade silica rock is required.

Two exposures in this locality were examined.

Lots 5 and 6, Con. I, S.W., Tp. of Chavigny, Notre-Dame-des-Ange's, Que.

Sample No. 1807 was taken on this property from a massive bed of quartzite which outcrops at the base of the hill on the north side of the Batiscan river. It is covered with a sandy drift at the top of the hill. The rock is massive, very compact, and fairly uniform throughout. Bands of biotite-schist run through the deposit in places, but these are clearly defined and only of limited width. A working face of 25 feet could easily be developed in this deposit. An analysis of this rock gave the following results:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	P.	Loss on Ignition.	Total.
1807.....	97·67	·22	1·93	·13	·13	·005	·21	100·29

Lot 1, Con. V, S.W. Tp. of Montauban, and Lot 1, Con. V, N.E. Tp. of Montauban, Notre-Dame-des-Ange's, Que.

Sample No. 1808 was taken from the above property. The quartzites on these lots extend over a larger area, but the ridge does not rise as high as that on the other locality examined. It runs along the south shore of the river just east of the bridge,

¹See Report on mining operations in the Province of Quebec, 1915, p. 103.

SESSIONAL PAPER No. 26a

the top of the ridge being possibly 40 feet above low water level of the river. The rock is similar, with the exception of having occasional patches of pure translucent quartz. Its analysis is as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	P.	Loss on Ignition.	Total.
1808.....	97.46	1.18	1.09	.08	.14	.008	22	100.17

The results of the analyses of the two foregoing samples show that, chemically, this material is suitable for the manufacture of ferro-silicon. The probable difficulty of obtaining it free from the included bands of biotite-schist might increase the expense of preparing a marketable product.

KAMOURASKA DISTRICT.

In the Province of Quebec, between the counties of Levis and Temiscouata, situated along the south shore of the St. Lawrence, there is a well developed series of quartzite hills rising as abrupt dome-like masses above the St. Lawrence lowland, between the St. Lawrence river and Midland upland. According to Mr. J. A. Dresser,¹ these quartzites belong to the Kamouraska formation, which formation consists of quartzites and interbedded conglomerates, and is classified as Middle or Lower (?) Cambrian. These quartzites, which are best developed in the counties of Kamouraska and P'telet, are found in an area approximately 40 miles in length and 4 miles in width, bordering the shore.

The quartzites are fine, even-grained, and weather to almost a pure white. They appear, in places, to be a partially altered sandstone rather than a pure quartzite. In the southeastern part of the district the quartzites contain nodules of dolomitic limestone, which sometimes are as large as 2 feet diameter, the higher grade material being found in the northeastern part of the area. On this account the examination of the quartzites to determine their utility for manufacturing purposes was confined to the northeastern area in the vicinity of St. Pascal and St. Andre.

From St. Pascal as a centre, a large number of the quartzite ridges were examined, and five different localities were sampled as fairly representative of all the deposits. As the question of transportation with relation to these deposits is of extreme importance, they will be dealt with in the order of their accessibility.

The Pilgrim Islands.

In the St. Lawrence river about 2½ miles off the south shore opposite the village of St. Andre, there is a group of five islands, known as the Pilgrim islands. These are a continuation of the quartzite ridges found on the mainland, and are composed entirely of quartzite. From a casual examination the material appears to be the same on them all; it was therefore decided to confine the detailed examination to the two largest.

The Long Pilgrim Island.

The main island of the group, called the Long Pilgrim, is approximately 2½ miles long, with an average width of 1,200 feet. The major axis of the island runs approximately northeast and southwest. A ridge extending the full length rises 100 to 125 feet above high water level. On the northwest side, the shore is abrupt, and in most places,

¹ See Memoir No. 35, Reconnaissance along the National Transcontinental Railway in Southern Quebec, Geological Survey, Dept. of Mines, by J. A. Dresser, 1912.

the cliff rises directly from the water to 40 or 50 feet above high tide. The southeast slope is more gradual, and in several places there is sufficient fairly level ground at an elevation about 10 feet above high tide on which to erect buildings. Over most of the island, the rock is bare, or covered only with lichens or moss, and the small amount of vegetation present consists of scattered patches of stunted evergreens.

The rock, in most cases, is weathered nearly white, but on breaking, the fresh face appears considerably darker. It is very even in texture and consists of fine rounded grains of quartz in a matrix of siliceous material. It is compact and hard to break with a hammer, but is very brittle, and when broken in the crusher produces considerable fines.

Two large samples, Nos. 1801 and 1802, were taken on this island, each representative of a considerable area. The analyses of these samples are as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	P.	Loss on Ignition.	Total.
1801.	98·24	·24	1·52	·10	·16	·007	·29	100·55
1802.	97·77	·19	1·27	·10	·17	·008	·29	99·79

The Great Pilgrim Island.

This island is the most northerly of the group. It is approximately 4,200 feet long, by 1,700 feet wide, and contains roughly 133 acres. There are two prominent hills rising to a height of over 200 feet above high water level, one at each end of the island, having a deep depression between them, with very little level ground. There is fairly deep water around the island, which in all other respects is similar to the Long Pilgrim island.

On viewing this island from a distance, one gains the impression that the rock is whiter than that on the Long Pilgrim island, but this is probably due to the fact that there is more bare rock and less vegetation. A fresh fractured surface is considerably darker than the material from any of the other localities visited. Sample 1806 was taken from this island and analysed:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	P.	Loss on Ignition.	Total.
1806.	98·18	·24	1·34	·14	·25	·010	·45	100·61

With respect to transportation facilities these islands are admirably situated with relation to the principal markets in the Province of Quebec and the Maritime Provinces. From Long Pilgrim island, for example, the crushed rock could be loaded directly into barges at the end of a small wharf, and there would be sufficient water at high tide to enable them to be taken out to the main channel.

ST. PASCAL DISTRICT.

In the vicinity of St. Pascal station, there are a number of quartzite ridges, all of which were examined. The material seems to be very similar throughout. Three samples were taken from different ridges in order to get an idea of the purity of the rock. The ridges are topographically similar to those of Pilgrim islands, having the same general direction, and with steep bluffs on their northwesterly side.

SESSIONAL PAPER No. 26a

Property of Joseph Lebris, Kamouraska P.O., Que.

Sample No. 1803 was taken from a ridge on the property of Joseph Lebris, 3½ miles from Pascal station on the Canadian Government railway. The ridge on this property rises about 10 feet above the level of the wagon road on the southeast side, and drops abruptly on the northwest, so that a working face of about 30 feet could be obtained. The ridge examined consists of an area of about 4 acres. The rock is similar in appearance to that found on the Pilgrim islands. Its analysis ran as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	P.	Loss on Ignition.	Total.
1803	95.40	.35	1.65	.86	.75	.008	.30	99.31

Property of Arsine Drapeau, Kamouraska P.O., Que.

Sample No. 1804 was taken from a ridge on the property of Arsine Drapeau, 3 miles from the wharf at Kamouraska. This ridge is lightly wooded and rises about 20 feet above the level of the surrounding plain. The general trend of the ridge is parallel to the river. The rock outcrop covers an area of about 6 acres on this property. The following is the result of the analysis:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
1804	96.80	.32	1.13	.60	.43	.35	99.68

Property of Louis Migneault, St. Pascal P.O., Que.

Sample No. 1805 was taken from the property of Louis Migneault, 3 miles southwest from the station of St. Pascal. Here, there is a rugged ridge rising abruptly about 30 feet above the level of the surrounding fields, and running parallel with the Canadian Government railway, from which it is about ½ mile distant. The ridge is lightly wooded, and extends over a number of farms adjacent to the property examined. The average width is 100 yards. The rock in the field appeared similar to that from the other localities examined in this district. The following is its analysis:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
1805	95.42	.42	.68	.80	.62	.30	98.24

The results of the analysis of the 6 samples taken from this district show that the material from the Pilgrim islands is of very high grade chemically, while from the field examination it appears to be sufficiently dense to be suitable for use in the manufacture of ferro-silicon. Samples Nos. 1803, 1804, and 1805, run considerably higher in lime and iron, and lower in silica, and the transportation question for these properties is more serious, due to the lack of cheap water transportation, and the long rail hauls would greatly increase the cost of marketing.

MARITIME PROVINCES.

The silica deposits of the Maritime Provinces consist of natural sand, sandstones, quartzites, vein quartz, and diatomaceous earth. So far as known, there have been no deposits of any of these materials, with the exception of some deposits of diatomaceous earth, worked to any great extent as a source of high grade silica. A number of typical deposits of each class of deposit were visited, and samples taken for analysis.

Prince Edward Island.

About 6 miles east of Souris, P.E.I., a beach sand was obtained which ran well over 95 per cent SiO_2 , very low in iron, but with small quantities of probably undecomposed feldspar. The beach from which this sand was taken is, roughly, $1\frac{1}{4}$ miles long, with a maximum width of three-fourths of a mile, and tapers at both ends. The sand hills are 15 to 20 feet high, so that there is a fairly good quantity of sand available at this deposit. The analysis ran as follows:—

SiO_2 .	Al_2O_3 .	Fe_2O_3 .	TiO_2 .	MnO .	CaO .	MgO .	Na_2O .	K_2O .	Loss on Ignition.	Total.
95.72	2.66	0.10	0.20	0.01	tr.	0.10	0.45	0.99	0.24	100.47

It is probable that the high alumina content would cause the sand to be difficult to melt for a glass sand.

New Brunswick.

From the Province of New Brunswick, several silica samples were obtained. These consisted of sandstones and diatomaceous earth.

Sandstone Deposits, at Torryburn, N.B.

An outcrop of sandstone occurs at tide level, on the shore of Kennebecasis bay, to the west of Hastings cove and north of Torryburn station on the Canadian Government railway line from St. John to Moncton. This outcrop rises to a height of about 20 feet, at a distance of 50 yards from the shore. The rock is exposed about 300 feet along the shore, and dips approximately 35° to the southwest. No quarrying has been done on this outcrop.

The rock varies in character in different parts of the exposures, from a badly shattered stone spotted with iron stains, through a medium-grained gritty stone fairly clean and uniform, to a compact, close-grained and very brittle rock, which is practically a quartzite. The outcrop extends about 200 yards back from the shore. Similar rock outcrops about one-fourth to one-third of a mile inland. The sample for testing which was taken from the medium-grained gritty stone at the shore, analysed as follows:—

—	SiO_2 .	Fe_2O_3 .	Al_2O_3 .	CaO .	MgO .	Loss on Ignition.	Total
1860.	95.95	.49	2.41	none.	none.	.65	99.50

A sample of creamy white coloured sandstone was submitted for testing by Dr. W. J. Wright of the Geological Survey. This material was obtained from the vicinity of Hillsboro, and it is probable that it may occur in considerable quantities. The rock

SESSIONAL PAPER No. 26a

is very even-grained and friable, will crush to a satisfactory grain size suitable, when washed, for a glass sand. Its analysis ran as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
	98.15	.32	1.38	tr.	tr.	.40	100.25

Washing will doubtless materially lower the content of alumina.

A number of lake bottoms in this Province contain deposits of diatomaceous earth. Several of these have been worked from time to time, the most important being at Fitzgerald lake, about 8 miles east of St. John. There a bed of about 50 acres of diatomaceous earth has been exposed for exploitation, by draining. The average thickness of the bed is stated to be about 10 feet. The first work on this deposit was done in 1909, experimental treatment being carried on in a small mill, but nothing has been done on this property in recent years. A sample of the material was obtained, and will be analysed shortly.

Nova Scotia.

There are a number of silica deposits in the Province of Nova Scotia which were thought might be suitable for commercial exploitation.

The Dominion Iron and Steel Company have been experimenting for a number of years with a view to producing a silica brick from the quartzites which occur on the east shore of Cape Breton island. This material, a sample of which was obtained from the stock pile of this company at Sydney, is a fine-grained, compact quartzite of uniform texture; and from its analysis, appears to be suitable for the manufacture of silica brick. Its analysis is as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
	98.60	.41	.29	.90	.21	.10	99.91

Another sample of quartzite (?) was submitted by Dr. A. O. Hayes, of the Geological Survey, from Skye mountain, Whyecomagh district, Inverness county, N.S. This material was obtained from a series of trenches made up the side of the mountain. Its analysis was as follows:—

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
	85.20	1.58	6.87	2.10	.58	3.60	99.93

On the southwest shore of Nova Scotia there are several beaches of white sand. These sands have been mentioned in a number of reports as being suitable possibly for the manufacture of glass. These beaches were examined in the fall of 1918 and samples obtained. Each one is of considerable extent and has a large tonnage of sand available, but judging from the analyses it is highly improbable that they would be suitable for use in the manufacture of glass owing to the high iron and alumina content.

—	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
1849.....	85.30	2.43	7.77	.60	.56	.67	97.33
1850.....	80.20	.97	14.45	2.50	.32	.30	98.74
1851.....	80.20	.89	14.11	1.80	.25	.60	97.85

1849. Silica sand from Summerville beach, Port Mouton, Nova Scotia.
 1850. Silica sand from the southwest beach, Port Mouton, Nova Scotia.
 1851. Silica sand from the beach at Barrington bay, Nova Scotia.

CONCLUSIONS REGARDING SILICA DEPOSITS.

Judging from the observations in the field and from the analyses of the samples collected, it seems probable that there are, in eastern Canada, a number of localities where good grades of silica could be profitably produced, and conveniently situated with respect to the consuming centres.

IV.

PRELIMINARY NOTES ON THE MOULDING SAND DEPOSITS OF EASTERN CANADA.

The need, in Canada, for foundry moulding sands of grades suitable for different classes of castings, has increased greatly in the last few years, and has led the Mines Branch to investigate many Canadian sand deposits, to determine their suitability for this class of work. At the present time, a considerable amount of the sand used in Canadian foundries is imported, the supply being drawn mostly from the United States.

In the summer of 1914, investigation of the sand and silica deposits of the Province of Quebec was commenced, the field work being continued during the seasons of 1915 and 1916, and the territory extended to include eastern Ontario. During the seasons of 1917 and 1918 field work was carried on in western and southwestern Ontario as well as a few localities in the Maritime Provinces.

In the course of the field work a number of deposits of sand were encountered, which, from field examination, gave promise of being suitable for moulding sand. Samples of these were taken for laboratory examination and testing.

The tests have not yet been completed, so that only a short description of the localities which were sampled will be given, together with a few notes on the most likely places where sand of suitable grades may be found.

Ontario.

There are a number of localities in the Province of Ontario where moulding sand is found, and several of these deposits are being operated at the present time. Samples were obtained from some of the deposits, and it is proposed to visit a number of other areas this fall.

The principal moulding sand areas at present known are as follows:—

SESSIONAL PAPER No. 26a

Stamford, Ont.

In the neighbourhood of Stamford, near Niagara Falls, there are several hundred acres underlain by from 1 to 3 feet of fine-grained moulding sand. The area is, in most cases, covered with vegetation, and the cost to clear the surface prior to excavating the sand is considerable. The bulk of the material is being shipped to Buffalo, N.Y. Three samples were obtained from this area.

Stoney Creek, Ont.

At Stoney Creek there is a considerable area of ground with from 2 to 3 feet of moulding sand. By blending the several grades of sand found, a number of mixtures can be obtained, suitable for different classes of castings. A considerable tonnage of sand has been shipped from this deposit each year, to the manufacturing centres of central Ontario. This is probably the largest producing district in Ontario.

Brantford, Ont.

Several miles west of Brantford, Ont., moulding sand has been obtained from a number of farms. This material has been used locally in the Brantford foundries, and has been found suitable for certain classes of work. The deposits are very pockety, and at none of the places visited was any considerable tonnage seen.

Copetown, Ont.

In the vicinity of Copetown there are several deposits from which a considerable tonnage of sand might be obtained. The material is fine in texture, and is convenient to the railway. The sand which is very uniform throughout, will average from 1 to 3 feet in depth.

Crookston, Ont.

About 1 mile to the south of Crookston there is a gravel and sand deposit overlain by about 3 feet of medium-grained argillaceous sand, which might be suitable for a moulding sand for certain work. Test holes drilled revealed the presence of this top sand, extending over 10 or 12 acres. An average sample of this sand was taken for testing.

Brockville Area.

About $2\frac{1}{2}$ miles to the west of Brockville, Ont., between the Grand Trunk Railway line (Montreal to Toronto), and the river road (Brockville to Kingston), there is a considerable deposit of moulding sand of a fine grade suitable for stove plate castings or brass foundry work. This deposit has been tested, and the results published in Mines Branch Bulletin No. 476 published in 1917.

Quebec.

In the Province of Quebec there are several localities where deposits of sand are found, which may possibly be suitable for iron foundries. A few of these deposits were examined, and others will be visited at a later date. The most promising localities are at St. Justine, Joliette, Batisseau, and in the neighbourhood of Three Rivers. At several points on the Gatineau river small pockets of moulding sand occur.

Nova Scotia.

Deposits of moulding sand are known to occur at a number of localities in Nova Scotia. Two areas were visited and sampled.

Belmont, N.S.

Within a radius of 2 miles from Belmont, a station on the Canadian Government railway about 8 miles northwest of Truro, N.S., Mr. Melville Blair is operating a number of pits of moulding sand of different grades.

All of these sands are coarse in texture, and have to be blended to suit different requirements. There is a considerable tonnage to be obtained from this district. A number of samples were taken from this area for testing.

Elmsdale, N.S.

There is a deposit of sand suitable for foundry use, situated on the west bank of the Nine Mile river at the head of the "Red Bridge," $2\frac{1}{2}$ miles from Elmsdale. This deposit is probably an old sand bar of the river, and covers an area of about 25 or 30 acres. Sand has been excavated from a pit to a depth of 12 feet. The top 18 inches appears finer in grain than the rest of the material, so that two grades can be obtained. Mr. Mosher, of Dartmouth, N.S., is the owner. Several samples were obtained.

The following notes which are conclusions from observations in the field should be of assistance in prospecting for moulding sand.

Moulding sands occur in two main types of deposits; but variations of these types may be encountered. These are:—

- (a) Flood plain deposits, and
- (b) Re-washed ancient beach sands.

(a) Flood plain deposits.

From the nature of a moulding sand—it being essentially a silica sand with each individual grain coated with a more or less plastic bonding material—one would expect to find it occurring where deposits of sand and clay had been intermingled, and worked over by water. As a matter of fact, moulding sands in flood plain deposits are of quite common occurrence. In these beds the sand and clay have been well and intimately mixed by the river currents, and deposited on the higher levels in flood time; the excess of clay being more easily held in suspension, is carried off by the water.

One should look for moulding sands along the upper terraces of the larger rivers of the country such as the St. Lawrence; also along the banks of ancient waterways.

(b) Re-washed, ancient beaches.

The second class of deposits which are frequently encountered are of secondary origin. The sand bars and beaches of the ancient seas have been worked over by the waves as lower levels of the lakes and seas are formed. It is in deposits of this class, which are found at a lower level than the old beaches or water margins, that moulding sand may be expected to occur. These deposits are, therefore, to be looked for in the vicinity of the ancient glacial lake margins, such as the Iroquois and Algonquin, which formerly occupied the Great Lakes Basin; and also within the boundaries of the ancient Lake Agassiz in Manitoba. Similar ponded water bodies in glacial times—extending as far as the foot hills of the Rocky Mountains in Alberta—may also have deposits of this character within their margins.

SESSIONAL PAPER No. 26a

V.

THE WOLFE RIVER DISTRICT, 60 MILES EAST OF PORT ARTHUR, ONT.

Three days were spent on a hurried trip to examine some reported deposits of decorative building stones occurring on the Wolfe river, about 7 miles north of Dorion, a station on the Canadian Pacific railway main line, about 60 miles east of Port Arthur, Ont.

Topography.

The Wolfe river rises in a series of lakes north of the main line of the Canadian Pacific railway, and has cut its course through sand and gravel deposits of a filled-in valley between the prominent diabase sill capped ridges, common to this district. Two waterfalls were seen on this river about a mile apart, the upper one being where the river flows over a series of dark chocolate coloured sandstones, and the lower one over a diabase dike. On the west side of this valley, which, in places, is between two and three miles wide, the slope to the western ridge is very gradual, and a number of square miles of sandy flats are to be seen. The river has a tendency to run parallel and in close proximity to the eastern ridge, which rises abruptly from the river flats, in some cases to a height of 150 feet above the level of the water. In the bed of the river and in the exposed cliffs can be seen a great variety of sandstones and dolomites, and, where the cliff is not broken, these rocks are capped with from 15 to 25 feet of a diabase sill. At one place in the bed of the river the Archaean granite floor is exposed over an area of about three acres.

A number of samples from the different beds examined were obtained. These were cut and polished with a view to ascertaining their suitability for decorative use.

Sample No. 1 was obtained from the bed of the river about 150 yards south of the upper falls. It is a dolomite, and when polished, shows blending of dark green and pink, with dark red blotches surrounding minute inclusions of argentite and native silver. Although the samples collected could hardly be considered as silver ores, further search might reveal workable deposits.

Sample No. 2, from the bed of the river about 50 yards south of sample No. 1, shows character very similar. The green, however, is of a fainter tinge, and the pink colour is more strongly developed. Both of these stones would be suitable for decorative use if they could be obtained in large blocks near transportation.

Sample No. 3 is of a finer texture, and was obtained from a bed 4 feet thick, in the escarpment one-half mile east of the upper falls. It polishes nicely, and has a greyish-pink colour, variegated with dark and light green blotches. It has an overburden, however, of some 25 feet of diabase. Other samples were obtained and polished, and showed up a great variety of colouring, but the beds from which they were obtained were only of small thickness, averaging 1 foot.

The sandstones of this vicinity are very compact and even-grained, and a variety of colours, from pure white to deep chocolate, could be obtained.

Interbedded between dolomites a white, soft, earthy material was observed which had, in places, a thickness of 4 feet. A sample of it was analysed with the following results:—

	SiO ₂ .	Fe ₂ O ₃ .	Al ₂ O ₃ .	CaO.	MgO.	Loss on Ignition.	Total.
1836.....	38.32	3.73	9.67	19.68	20.10	8.10	99.60

This is probably an altered volcanic ash, containing some talcose material and kaolin.

These rocks are of interest since they indicate the occurrence of dolomites in this locality. It would not be possible to work them economically, owing to the difficulties of quarrying and the distance from the railway. There is, however, the possibility that beds may be found in similar formations nearer to transportation and in deposits which would lend themselves more readily to commercial exploitation.

VI.

NOTES ON A DISCOVERY OF ROCK SALT AT MALAGASH, NOVA SCOTIA.

A deposit of rock salt of considerable thickness is being opened up in the neighbourhood of Malagash, Cumberland county, N.S. This is the first known discovery of rock salt in the Maritime Provinces, and the first in Canada to be discovered at a depth sufficiently shallow to enable it to be won economically by actual mining.

Discovery and History of the Deposit.

In 1912, Mr. Peter Murray drilled a well for water on his farm on the Malagash road, about 7 miles northeast of Malagash, a station on the Canadian Government railway branch line, operating between Oxford Junction and Pictou. He encountered a strongly saline water and sent a sample of the same to Dr. Frank T. Shutt of the Dominion Experimental Farm at Ottawa. Dr. Shutt reported on this sample as follows:—

“Our analysis of this water shows it to contain 28.83 per cent total solids, of which 28.32 per cent is common salt. It is in fact a very strong brine.

“There are present very small quantities of sulphate of lime and possibly of allied compounds, but essentially this is a saturated, or practically saturated, solution of common salt”.

No action was taken with regard to this discovery until the early months of 1917, when another sample was forwarded to Dr. Shutt, who reported 26.65 per cent common salt content. At this time Dr. Shutt referred the parties interested to Dr. Haanel, Director of the Mines Branch. The Mines Branch immediately obtained another sample for the purpose of having a complete analysis made. It was found to be a saturated brine, its analysis being given in the following table together with four analyses of brine from the Western Ontario district, for comparison.

	Malagash Brine, N.S.	Western Ontario Brine.			
Sodium (Na)	99.50	96.270	101.728	96.368	100.997
Potassium (K)	0.55	n.d.	n.d.	n.d.	n.d.
Iron (Fe)	0.07	n.d.	n.d.	n.d.	n.d.
Calcium (Ca)	1.37	1.552	1.630	2.496	1.531
Magnesium (Mg)	0.22	.244	.257	.127	.118
Sulphuric acid (SO ₄)	3.11	2.631	2.634	1.698	2.803
Chlorine (Cl)	154.70	150.122	158.742	152.294	156.884
	259.52	250.819	265.001	252.983	262.333
Hypothetical combination: Parts per thousand.					
Sodium chloride (NaCl)	252.90	244.860	258.770	245.111	256.891
Potassium chloride (KCl)	1.04	n.d.	n.d.	n.d.	n.d.
Magnesium chloride (MgCl ₂)	0.86	.966	1.017	.503	.467
Calcium chloride (CaCl ₂)	0.22	1.265	1.484	4.964	1.007
Calcium sulphate (CaSO ₄)	4.42	3.728	3.730	2.405	3.971
Ferric oxide (Fe ₂ O ₃)	0.10	n.d.	n.d.	n.d.	n.d.
	259.54	250.819	265.001	252.983	262.336
Sp. gravity at 15.5 C.	1.200	1.197	1.2045	1.178	1.198

SESSIONAL PAPER No. 26a

As a result of this analysis, it was suggested to the owners that further exploration was desirable in order to ascertain if the parent salt bed could be located. It was decided that I should visit and examine the locality as soon as possible. In June, 1917, when I made my first examination of the property, brine had been encountered in several other drill holes. A study of the local conditions convinced me that there was a good possibility of discovering rock salt in place, hence I strongly advised the owners to continue their prospecting along lines already advised.

In the summer of 1917, A. R. Chambers and George McKay of New Glasgow, N.S., took an interest in the operations, and drilled a series of holes, after which they sank a prospect shaft in June, 1918. In this shaft rock salt was encountered at a depth of 85 feet from the surface. When the locality was again visited by me on October 10, 1918, the shaft had been sunk into the salt formation to a depth of 17½ feet. Since then I have been informed that the shaft has penetrated about 25 or 30 feet in the salt formation and that they are now drifting on the deposit.

The overlying beds appear to be in a nearly horizontal position, and consist of clays, soft shales, gypsiferous muds, etc., while the saline beds appear to dip to the west of south, at an angle of about 25°, and have a strike of S. 70°E.

The saline beds as encountered in the shaft, show, in the upper 12 feet, considerable impurities in the form of mud, but there appear to be banded layers of whiter rock salt below. The indications from a drill hole located on the site of the shaft, are that the salt beds have a thickness at this point of at least 50 feet.

These beds are found associated with beds of gypsum, mapped by Fletcher as of lower Carboniferous age. The gypsum beds are seen exposed on the shore to the north of the shaft. To the south of the shaft there is a small unmapped outcrop of what appears to be a conglomerate. The salt beds are on the south slope of an anticline, and little is so far known as to their lateral extent. To the west, about one mile from the shaft, there is a pronounced fault shown in the shore section, and this may cut off the western extension of the beds. To the east, about the same distance, the occurrence of a marsh, caused by the sea eroding the protecting sandstone barrier to the north, may determine the eastern extension of the deposit. The evidence at hand, however, indicates the presence of a salt formation of considerable extent. On the basis of data obtained from the shaft, from surface indications, and from the drill holes, it is possible that the saline formation, measured at right angles to the dip, may have a thickness of 175 feet.

A general sample of the whiter rock salt was taken for analysis and yielded the following results:—

	Dried at 110°C.
Sodium (Na)	38.45
Potassium (K)	0.20
Iron and aluminium (Fe and Al)	none
Calcium (Ca)	0.25
Magnesium (Mg)	Trace.
Sulphuric acid (SO ₄)	0.61
Chlorine (Cl)	59.85
Insoluble in water	1.05
Total	99.91
Conventional combination.	
Sodium chloride (NaCl)	97.60
Potassium chloride (KCl)	0.40
Magnesium chloride (MgCl ₂)	Trace.
Calcium chloride (CaCl ₂)	none
Calcium sulphate (CaSO ₄)	0.86
Ferric oxide (Fe ₂ O ₃)	none
Insoluble in water	1.05
Total	99.91

Although the quantities of potash salts present in the two samples examined from this locality are small, it does not of necessity mean that they are absent in commercial quantities in this area. The drilling and prospecting so far carried out indicate, only in the most superficial way, the presence of a large bed at one horizon. The probability of encountering potash salts, interbedded with the sodium chloride at other horizons than the one penetrated by the prospect shaft and drill holes, is quite within the bounds of possibility.

The discovery of this deposit should be of great assistance to engineers in their search for other similar deposits. A careful study of the conditions of the Malagash area may well indicate to those familiar with the Province, other localities where the conditions are similar, and where surface prospecting and drilling might offer a reasonable chance of obtaining results.

Markets.

a. Domestic.—

The importance of this discovery to Canada and more especially to the Maritime Provinces can readily be seen. Canada, at the present time, imports over half of her annual consumption of salt, the only production being in southwestern Ontario. The calculated consumption of salt in Canada in 1918 was 296,328 tons¹, valued at \$2,535,465, as compared with a consumption in 1917 of 301,076 tons, valued at \$2,041,633. The total sales of Canadian produced salt in 1918 were 131,727 tons, valued at \$1,285,039. Of this, only 893 tons, valued at \$16,743, were exported. There is thus an opportunity for a considerable domestic market for salt to replace the imported material. This import of salt in 1918 amounted to 165,494 tons, valued at \$1,267,169, and included 51,450 tons of fine salt in bulk, valued at \$294,676; 13,941 tons of salt in packages, valued at \$156,736; and 100,103 tons imported for the use of fisheries and valued at \$815,757. This last item is used largely on the Atlantic and Pacific seaboards. From a study of the trade statistics of the Customs and Trade and Commerce Departments, I think it is safe to say that about 75 per cent of this fisheries salt is utilized on the Atlantic seaboard including the Gulf of St. Lawrence. The average value of this salt at point of shipment for 1918 was approximately \$8.15 per ton of 2,000 pounds. The ocean freight rate to bring this salt to Canadian ports of distribution would bring the cost up to at least \$10 per ton.

This price will probably be a normal price for salt for fisheries for a number of years to come—the sales price during war times ranging between \$15 and \$25 per ton at distributing points in Nova Scotia. If, therefore, a deposit of salt can be developed in a centrally located point in Nova Scotia, and a grade of salt produced suitable for the fishing industry, a market of some 75,000 tons valued at \$750,000 should be available.

In addition to this, a considerable demand for salt for domestic purposes, in the Maritime Provinces, could be supplied from such a deposit.

b. Foreign.—

Among the foreign markets for the salt from the Malagash deposit, the principal ones will be the fishing industry of Newfoundland, which consumes, according to reports, about 50,000 tons per year, and the fishing and metallurgical industries along the Atlantic seaboard of the United States. It will remain to be seen how much of this latter market can be captured by material produced in Canada.

One feature with regard to the Malagash deposit which is well worthy of serious consideration for future action, is the possibility of establishing an industry for the

¹ Figures given in this section are taken from Preliminary Report on the Mineral Production of Canada, 1918. John McLeish, B.A., Mines Branch, Department of Mines, Ottawa, No 506.

SESSIONAL PAPER No. 26a

manufacture of sodium compounds. Situated as this deposit is, with ready access to shipping facilities both by rail and water, and comparatively close to abundant supplies of fuel, it may well be, that an industry using the salt from these beds as the principal raw material could be established, which would turn out products at a price which could compete in foreign markets such as South America and South Africa, with similar material from England and United States.

Although the Canadian market alone, for salt for domestic use or for the chemical industries, would guarantee its success, it will be seen that the favourable location of this deposit to water transportation on the Atlantic seaboard should enable it to develop an export trade with the United States, South Africa, and South America.

FUELS AND FUEL TESTING DIVISION.

I.

WORK AT THE FUEL TESTING STATION, ETC.

B. F. HAANEL, *Chief of the Division.*

During the year 1918 the staff of the Division of Fuels and Fuel Testing was engaged in preparing for publication the results of the large scale tests on the samples of coal received from the Province of Alberta; examining and analysing samples of mine air received from the principal producing coal mines of the Dominion, making chemical analyses and physical examination of oils for the different Departments of the Canadian Government; together with general analyses and determinations of the heating values of coals received from outside sources and of those required in connexion with the work of this Division. The report of the large scale tests on the samples of coal received from the Province of Alberta will include the results of the tests carried out with these samples of coal in the gas producer, in order to ascertain their value as fuels for the production of a power and industrial gas, and their relative value as fuels for the generation of steam.

The machine shop which is under the control of this Division, completed, and had under way, a very large amount of work, in addition to the preparation of the shed formerly used for storing samples of coal, as a laboratory for carrying out large scale tests on the oils recovered from the distillation of oil shale, coals, etc.; and the erecting and fitting of a semi-Deizel oil engine for the purpose of carrying out large scale tests of the oils thus recovered. In addition to the above work, and the construction of new apparatus, repairs to existing machines and apparatus, and the erection of apparatus in the various laboratories of the Mines Branch was performed by the staff of the machine shop. The laboratory for the special investigation of the oils obtained by the distillation of coals, lignites, and oil shales, in retorts especially designed and constructed for this purpose, was begun over a year ago, and is now sufficiently completed to begin such investigation. The research work being carried out on lignites, with a view to determining their proper treatment for briquetting, and the quantity and value of the oils recovered in their carbonization, is still under way; and preparations are being made to investigate the oil shales of New Brunswick, Nova Scotia, and elsewhere, in the same manner.

The staff of the chemical laboratory of the Fuel Testing Division, in addition to the regular routine work, is largely engaged in an investigation concerning the carbonization and briquetting of lignites. This investigation was inaugurated by the Mines Branch, and has proved of great value to the Lignite Utilization Board, which has under way an investigation concerning the commercial briquetting of the western lignites. The progress of the work conducted along this line by the chemical staff of the Fuel Testing Division is set forth in the accompanying report of Mr. Stansfield, Chief Engineering Chemist. Mr. Stansfield's report will show that the laboratory work has been steadily and rapidly increasing, and that new laboratory space will have to be provided in the very near future, in order that the work may be prosecuted efficiently, and without loss of time, and also in order to permit the Division to undertake new and important investigations, which arise from time to time.

Mr. Aleph Anrep, formerly attached to this Division, as peat expert, was, during the latter part of the year, transferred to the Geological Survey Branch of the Department of Mines.

SESSIONAL PAPER No. 26a

Mr. John Blizard, in addition to his regular duties, was engaged in determining tensile, compression, and hardness tests, in the physical testing laboratory of the Mines Branch, for the Imperial Ministry of Munitions; Department of Naval Service; Department of Militia and Defence; and the Department of Marine and Fisheries. A special investigation of the properties of "Nieu" steel was also carried out by Messrs. T. W. Hardy and John Blizard. This investigation is still under way, and the results will be published in the course of the year.

In order to prosecute investigations of this nature, a new piece of apparatus was installed in this laboratory under the direction of Mr. Hardy, to enable the cooling curves of the steels to be obtained graphically. This apparatus will be used in the further investigation concerning the properties of "Nieu" steel.

Mr. Blizard also prepared a bulletin entitled "The economic use of coal for steam-raising and house heating."

In addition to laying out and directing the work of this Division, the writer has had a large amount of work to perform for the Dominion Power Board, and the Peat Committee of which he is secretary. The writer was appointed a member of the Dominion Power Board, and one of the representatives of the Federal Government on the Peat Committee, which was appointed to investigate and report upon the possibility of manufacturing peat on a commercial basis in Canada. The Peat Committee was appointed jointly by the Government of Ontario and the Government of Canada, and is composed of four members; two appointed by the Ontario Government, and two by the Dominion Government. The secretarial work of the Peat Committee is performed entirely by the writer.

During the latter part of the year the writer was instructed to witness a test of Albert oil shales in the Wallace retort, for which claims were made concerning its alleged superiority over other retorts for the recovery of oils from oil shales, lignites, and other fuels high in volatile matter. This retort, which was of an experimental character, was set up in the laboratory of the St. Claire Gas Company, East St. Louis, Mo. The results of this test are set forth in a detailed report on pp. 75-85.

In addition to the regular duties ascribed to Mr. E. S. Malloch, an engineer of the Fuel Testing Division, the calibration of electro-thermo couples in the Pyrometry Testing Laboratory, are entrusted to him. During this year Mr. Malloch made twenty calibrations of electro-thermo couples: one for the Department of Militia and Defence; one for the Imperial Munitions Board; and eighteen calibrations of instruments used in the laboratory of the Mines Branch.

The summary reports of Messrs. E. Stansfield and A. W. Mantle, show, in detail, the work carried out under their immediate direction.

II.

REPORT ON TEST OF NEW BRUNSWICK OIL SHALES IN THE WALLACE RETORT.

Introductory.

The increasing importance which oil-bearing shales are assuming as a source of oil, in consequence of the rapidly approaching exhaustion of the known oil-bearing fields, has encouraged chemical, oil, and other engineers to devise new methods, or to make alterations in existing processes and methods for the treatment of oil-bearing shales, with a view to increasing both the yield and quality of the oils obtained. But

although many new processes have from time to time been devised; and alterations to existing processes been suggested, the process which has been employed in Scotland for the last fifty years—with modifications resulting from experience gained—is the only one for which positive commercial success can be claimed.

Quite recently, however, Mr. G. W. Wallace, superintendent of the St. Claire Gas Company of East St. Louis, Missouri, who, for some years, devoted his attention to investigations concerning improvements in the methods for the manufacture of town gas and the quality of the resulting coke, took out patents for an invention of a new type of retort for carbonizing coal and retorting oil-bearing shales; and the claims made for the superiority of this retort over existing retorts, and the fact that a company had been formed for the purpose of treating the Colorado oil shales on a large scale by means of his process, led the Hon. Wm. Pugsley to send a sample of oil shale from the Alberta Mines, New Brunswick, for treatment in the Wallace experimental plant at the works of the St. Claire Gas Company. In compliance with the Hon. Wm. Pugsley's request that the tests on this sample of oil shale be witnessed by a member of the staff of the Division of Fuels and Fuel Testing of this Branch, I was instructed to proceed to St. Louis for this purpose.

Wallace Retort.—A description of this invention, and the objectives it is hoped to attain, is contained in the following, which is taken from the patent specification of Canadian Patent No. 189426:—

The main object of my invention is to provide a practicable process for distilling, carbonizing or vapourizing carbonaceous materials that insures the removal and recovery of all of the hydro-carbon gases, vapours, liquids and oils evolved in the distilling operation.

Another object is to provide a distilling, carbonizing or vapourizing process that will produce relatively large amounts of oils and gases that are of great value, due to their improved quality and also high grade metallurgical coke of good density. Other objects and desirable features of my invention will be hereinafter pointed out.

Briefly described, my process consists in subjecting carbonaceous material to heat in a distilling chamber so as to liberate the gases and vapours, removing all of the evolved gases from said chamber in such a manner that the temperature of decomposition, namely, the temperature at which the hydro-carbons are distilled off, is the highest temperature to which the gases are subjected at any period of the distilling operation, collecting the oils and liquids evolved in the distilling operation and removing them from the distilling apparatus immediately before they have had an opportunity to become cracked or overheated, and at the completion of the distilling operation disassembling the distilling apparatus so as to discharge the coked residue and facilitate the cleaning of the orifices through which the gases, vapours and oils escape from the distilling chamber.

My process is applicable to the distillation, carbonization or vapourization of all coals, lignites, woods, oil shales and carbonaceous substances, and while various kinds of apparatus can be used in practising my process, it is essential that an apparatus be used which is equipped with a heated distilling chamber, a perforated take-off duct constructed and arranged inside of the distilling chamber in such a manner that it eliminates the possibility of the evolved gases, vapours and oils contacting with the hot walls of said chamber in escaping therefrom and also insures the recovery and immediate removal from the distilling apparatus of all of the oils and liquids evolved in the distilling operation, and means for enabling the take-off duct and distilling chamber to be disassembled so as to effect the discharge of the coked residue and also facilitate the cleaning of the orifices in the take-off duct through which the evolved gases, vapours, oils and liquids escape from the distilling chamber. I am aware of the fact that processes have heretofore been devised for distilling carbonaceous material which contemplated removing the gases and vapours from the distilling chamber through a perforated take-off duct arranged inside of the distilling chamber, but such processes have not proved successful and can not accomplish the same results as my process, owing to the fact that no provision is made for insuring all of the gases and vapours passing through the coolest zone in the distilling chamber in escaping therefrom, and no provision is made for collecting and immediately removing from the distilling apparatus the oils and liquids evolved in the distilling operation, the prior processes above referred to permitting some or all of the evolved oils and liquids to recondense in the apparatus, to become mixed with the coked residue and to vapourize again and again until it has become cracked into permanent gases and tars of inferior quality. In my improved process all of the gases, vapours and liquids have to travel through the coolest zone of the distilling chamber in escaping therefrom, and the oils and liquids evolved in the distilling operation are not only collected and prevented from mixing with the coked residue, but they are conducted out of the distilling apparatus as soon as they are formed. Furthermore, in my process the perforated take-off duct is withdrawn from the distilling chamber at the completion of the distilling operation and is then cleaned or replaced by another perforated take-off duct, thus eliminating delay and insuring successful results at the next distilling operation, due to the fact that there are no clogged orifices in the take-off duct to retard the escape of the gases, vapours and oils.

SESSIONAL PAPER No. 26a

The figure of the drawings is a vertical sectional view of an apparatus that can be used in practising my process. The particular design or construction of said apparatus is immaterial, but it is essential that it comprise a retort or distilling chamber, preferably arranged vertically and sealed at its upper and lower ends, a perforated take-off duct arranged inside of said chamber, with its lower end in direct communication with an eduction pipe, thus insuring the collection and recovery at the same point of the gases, vapours, oils and liquids evolved during the distilling operation, and means for enabling said take-off duct and the bottom of the distilling chamber to be moved downwardly or the side wall portion of the distilling chamber to be moved upwardly with relation to the take-off duct and chamber bottom, so as to effect the discharge of the coked residue and also withdraw the take-off duct from the distilling chamber, and thus facilitate the cleaning of the take-off duct at the completion of the distilling operation. In the apparatus herein illustrated A designates a retort or distilling chamber, preferably of cylindrical shape in cross section, that is adapted to contain carbonaceous material, said chamber being heated by any suitable means, such, for example, as products of combustion that are supplied to a combustion chamber B that surrounds the distilling chamber A. A perforated take-off duct C that is arranged at the center of the distilling chamber A has its lower end connected with an eduction pipe D, preferably a pipe in which a suction or partial vacuum is created. In the apparatus herein shown the take-off duct C and the bottom of the distilling chamber A are adapted to be moved downwardly at the completion of the distilling operation, so as to discharge the coked residue from the distilling chamber and also withdraw the take-off duct from the distilling chamber, so as to facilitate the cleaning of the take-off duct. Therefore, the bottom plate 1 of the distilling chamber is removable, the take-off duct C is mounted on said bottom plate, and the lower end of the take-off duct is connected with the eduction pipe D by means of a pipe 2 that can be disconnected from the lower end of the take-off duct and moved out of the path of the bottom plate 1 of the distilling chamber when it is desired to move said bottom plate downwardly. The cylindrical-shaped shell that constitutes the side wall of the distilling chamber A preferably tapers slightly from its lower towards its upper end and its upper end is sealed or cut off from the atmosphere by means of a removable cover 3 that is adapted to be opened, so as to permit the carbonaceous material to be introduced into the distilling chamber. The lower end of said distilling chamber is sealed or cut off from the atmosphere by the bottom plate 1, previously referred to, which is retained in position by bolts or other suitable fastening devices 4. The take-off duct C consists of a perforated member of cylindrical form that extends upwardly through the distilling chamber to a point in proximity to the upper end of said chamber, said take-off duct preferably being of uniform diameter throughout its entire length so that the annular space between the exterior of same and the side wall of the distilling chamber will diminish gradually in cross-sectional area from its lower towards its upper end, thereby causing the heat to penetrate through the material in the distilling chamber substantially uniformly, owing to the fact that the thickness of the body of material in the lower portion of said chamber where the heat is most intense is greater than the thickness of the body of material in the upper portion of said chamber where the temperature is lower. The take-off duct is provided with perforations 5 preferably arranged uniformly throughout the major portion of its length and of a size suitable for the particular carbonaceous material being distilled, said take-off duct being closed at its upper end by a dome-shaped portion 6 which is imperforate. It is not essential that the upper portion of the take-off duct be imperforate, but it is essential that sufficient carbonaceous material be in the distilling chamber to cover the orifices in the take-off duct.

When heat is applied to the walls of the heating chamber A all of the gases and vapours evolved from the carbonaceous material in said chamber are forced or drawn into the duct C through the perforations 5 therein, said gases and vapours travelling downwardly through the take-off duct to the eduction pipe D, and thence through said eduction pipe to a storage tank or to the place where they are to be consumed. As the take-off duct is arranged at the center of the distilling chamber at the coolest part of the body of carbonaceous material in said chamber, and as said take-off duct affords the only outlet for the gases and vapours, it will be evident that the gases and vapours, in escaping from the distilling chamber, pass through the coolest part of the material being distilled. In fact, from the moment the gases and vapours are evolved they follow a path, in escaping from the distilling chamber A, that will cause a reduction in the temperature of said gases and vapours below the initial temperature of formation, thus preventing any further breaking down of the hydro-carbon molecules. The above is also true of the oils and other liquids evolved in the distilling operation, and in view of the fact that the oils and liquids which enter the take-off duct C are collected in said duct and immediately removed from the apparatus through the suction pipe D, there is no possibility of the oils condensing, revapouring or becoming cracked or mixed with the coked material surrounding the take-off duct, as would occur if the oils were permitted to collect and remain in the perforated take-off duct.

By removing the gases, vapours and oils from the distilling chamber in the manner above described and preventing the oils from mixing with the coked residue, a larger yield of hydro-carbon oils is obtained than is possible with any of the distilling processes heretofore in use, and as none of the oil vapours are allowed to come in contact with the heated walls of the distilling chamber or in contact with the hot coked material in proximity to said walls, it is evident that the oil which is obtained will be free from all of the less valuable unsaturated hydro-carbons that are produced at high temperature, the oil having no free carbon or lamp black. It is also evident that the oil, by reason of the fact that it is not subjected to excessive and prolonged heat treatment, will contain all of the valuable hydro-carbon oils that are produced.

At the completion of the distilling operation the fastening devices 7 that detachably connect the pipe 2 to the lower end of the take-off duct C are removed and said pipe 2 is then moved laterally into an inoperative position, or, in other words, out of vertical alignment with the

bottom plate 1 of the distilling chamber. Thereafter, said bottom plate 1 is moved downwardly so as to effect the discharge of the coked residue from the distilling chamber and also withdraw the take-off duct C from the distilling chamber. The orifices 5 in the take-off duct are then cleaned or a fresh take-off duct is arranged in operative position in the chamber A to be used in the next distilling operation. This feature of removing the take-off duct from the distilling chamber at the completion of the distilling operation is an essential characteristic of my process and is one of the things that makes my process practicable from a commercial standpoint, for I know, from practical experience, that in the operation of distilling coal the coal first softens and then becomes a pasty mass which spreads out in every direction, especially in the direction in which the gases and vapours flow in escaping from the distilling chamber, thereby causing the orifices in the take-off duct to become clogged or choked up each time a charge of carbonaceous material is distilled in the apparatus. By bodily removing the take-off duct from the distilling chamber in the manner above described I am able to clean same quickly and thoroughly or replace the take-off duct with a fresh take-off duct. Consequently, I overcome the necessity of taking the apparatus out of service for a considerable period and I also insure ample exit openings for the escape of the gases, vapours and oils from the distilling chamber during the distilling operation.

By removing the gases, vapours, oils and liquids from the distilling chamber in such a manner that all of the gases, vapours and oils have to flow from the hottest point to the coldest point in the distilling chamber, in escaping therefrom, I secure all of the advantages of low temperature distillation. In fact, I have the ideal conditions of low temperature distillation increased to their fullest possibility, in that none of the escaping gases, vapours and oils touch the heated walls of the distilling chamber, and further, that all of said gases, vapours and oils start to cool immediately after they have been formed. In my process the temperature of formation is the hottest or highest temperature to which any portion of the gases, vapours and oils are subjected, and thereafter, during the continuance of the process, the gases, vapours and oils gradually cool off, all of the above advantages being obtained without the necessity of carrying the temperature of the distilling chamber so low that the coke produced is of little or no value, on account of its lack of structure. In fact, with my process it is possible to carry a temperature high enough to produce a metallurgical coke and still have all of the advantages of low temperature distillation from the oil and gas yield standpoint. It is immaterial whether the gases, vapours and oils are forced out of the distilling chamber by the pressure created in said chamber or are drawn out of said chamber by a vacuum. I prefer, however, to remove the gases, vapours and oils from the distilling chamber by a vacuum that is varied according to the carbonaceous material used and regulated by the temperature used and by the oil and gas being produced. With the process above described it is possible to obtain from coal oils that are brown in colour, greasy, not at all sticky and having none of the sticky, black, viscous characteristics of tar. Furthermore, when coal is distilled by the above process the oils that are obtained are high in tar acids and are free from naphthalene, free carbon and other objectionable substances.

What I claim and desire to secure by Letters Patent of the Dominion of Canada is—

1. A process for distilling, carbonizing, or vapourizing solid carbonaceous materials, characterized by applying heat externally to a chamber in which solid carbonaceous material is arranged and protecting said material from the action of air, liquids or gases other than the gases and liquids evolved in the distilling operation, withdrawing under reduced pressure all of the evolved gases, vapours and liquids and causing them to travel through the coolest portion of the material in said chamber in escaping from the chamber, and collecting and immediately removing all of the oils and liquids evolved in the distilling operation.

2. A process for distilling, carbonizing, or vapourizing solid carbonaceous materials, characterized by arranging solid carbonaceous material in a chamber, heating the walls of said chamber and withdrawing under reduced pressure all of the evolved gases, vapours and liquids into a discharge passageway at the centre of the mass of material in said chamber, and removing from said centre passageway all of the evolved gases, vapours and liquids that enter same, the material in said chamber being protected, during the distilling operation, from the action of gases or oils other than those evolved from said material.

3. A process for distilling, carbonizing or vapourizing solid carbonaceous material, characterized by arranging solid carbonaceous material in a chamber that is sealed or cut off from the atmosphere and which is provided at its centre with a vertically-disposed perforated take-off duct that constitutes the sole outlet from said chamber during the distilling operation, applying heat externally to the wall of said chamber, thereby heating the material therein and withdrawing under reduced pressure all of the evolved gases, vapours and liquids into said take-off duct, and causing all of the gases, vapours and liquids that enter said take-off duct to flow downwardly through same and immediately escape from said take-off duct.

The general arrangement of the Wallace experimental plant and a sectional view of the retort are shown in figures 1 and 2. The retort shown in figure 1 is essentially the same as that described in the patent specifications, instead, however, of discharging the carbonized or spent substance by withdrawing the take-off duct through the bottom of the retort, the take-off duct is withdrawn from the top by removing cap plate (F). The capacity of this retort is 90 pounds of coal.

Shale Tested.—The shale sent to East St. Louis, by the Hon. Wm. Pugsley, was taken from an opening on seam No. 1, Frederick Brook, Albert Mines, and represented a fair average of the seam. The seam from which it was taken is 4½ feet wide. This information was received from the Hon. Wm. Pugsley.

SESSIONAL PAPER No. 26a

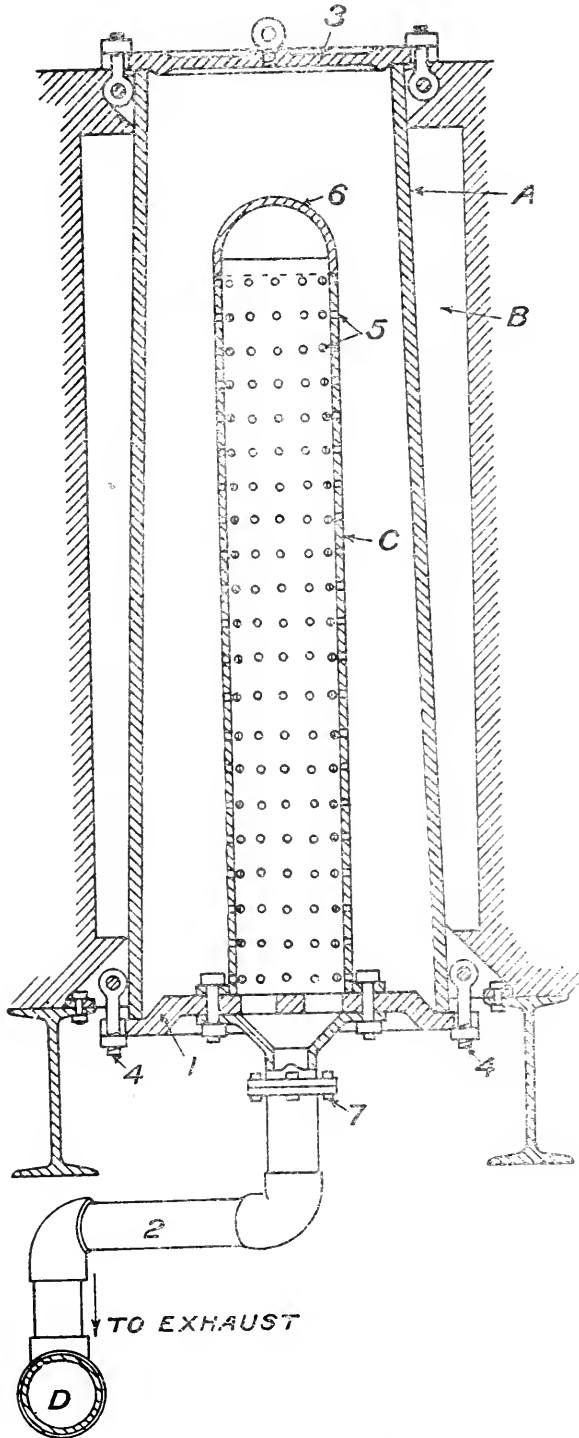


Fig. 1.—Detail of Wallace retort.

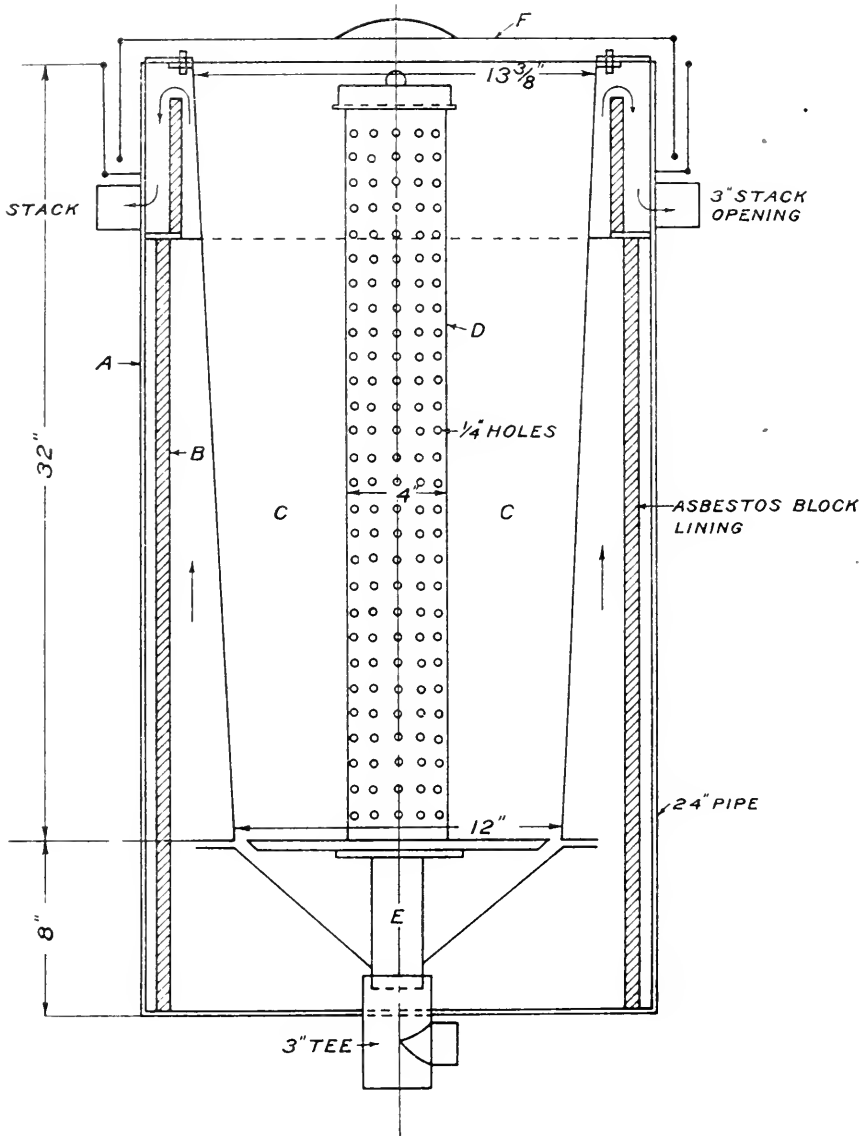


Fig. 2.—Detail of Wallace retort capacity 90 lb. coal.

SESSIONAL PAPER No. 26a

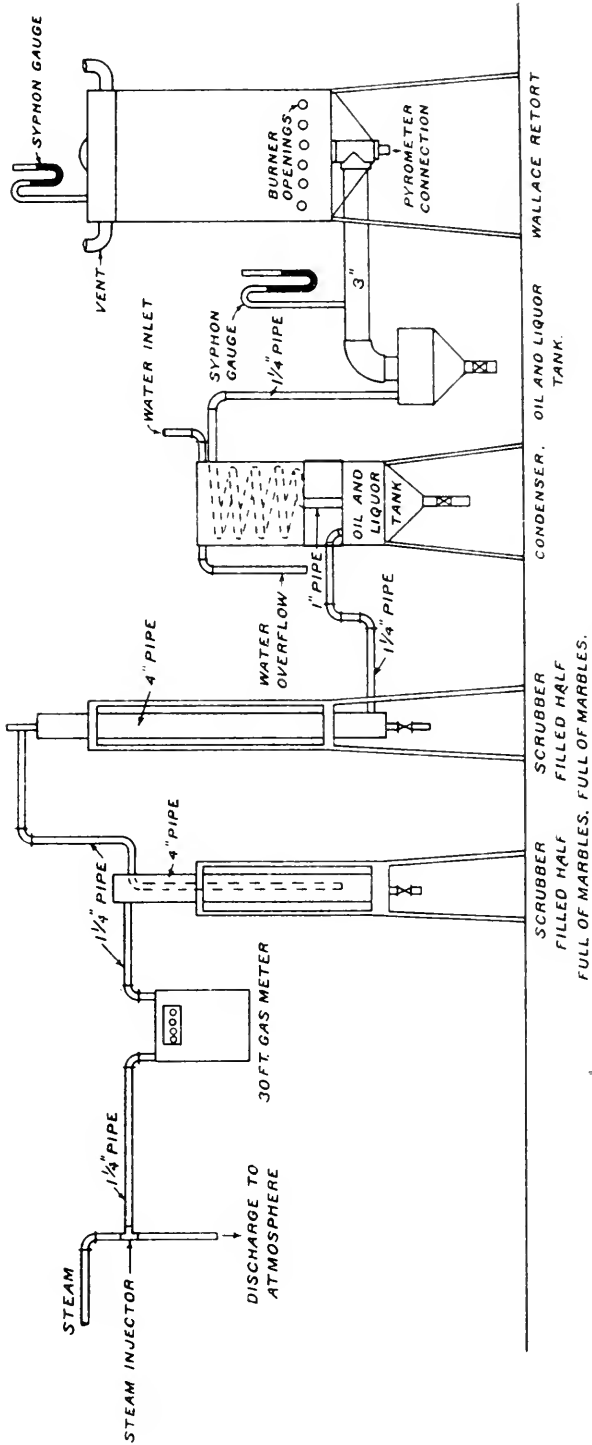


Fig. 3.—General arrangement of the Wallace experimental plant.

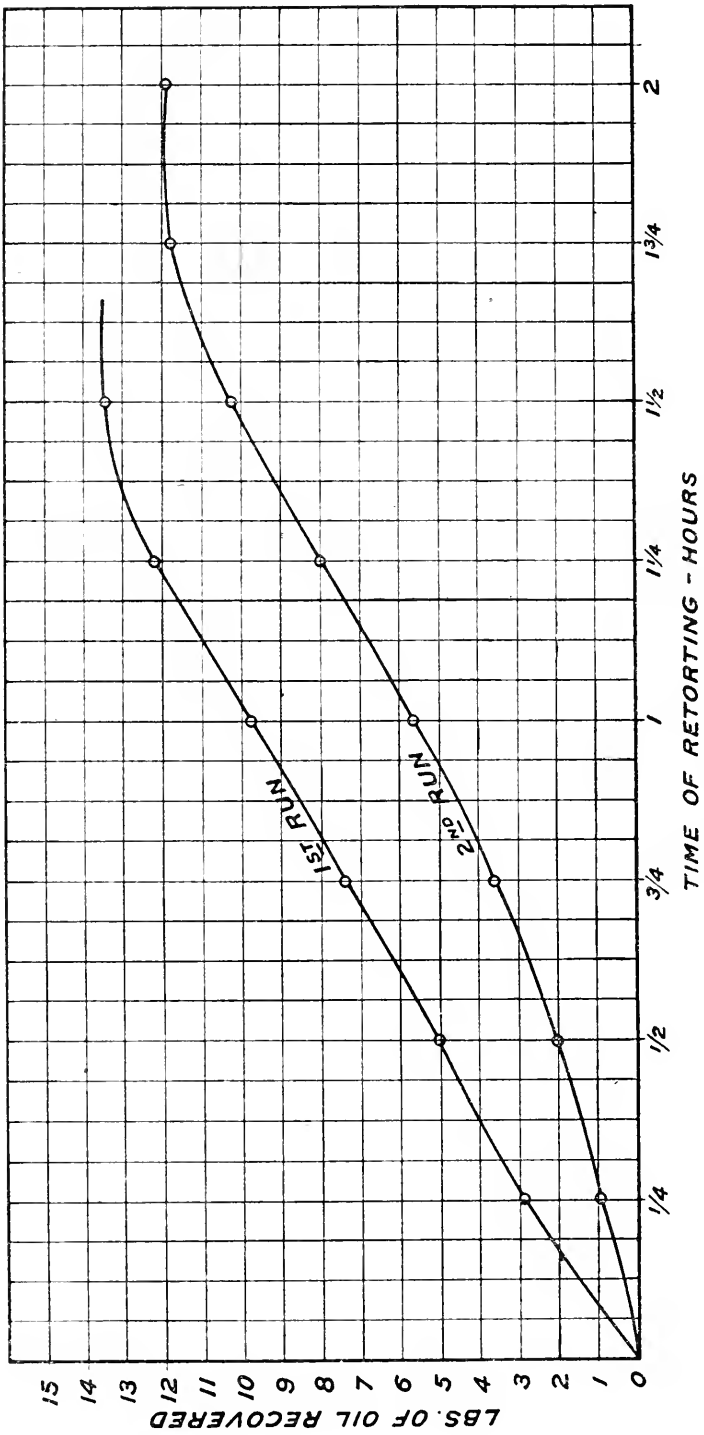


Fig. 4.—Chart showing oil distilled at 15-minute intervals

SESSIONAL PAPER No. 26a

The shale was sent in two sealed sacks, and weighed 161½ pounds.

On the writer's arrival at the laboratory where the test was conducted, the sacks were opened, and the pieces of oil shale crushed to about ½-inch size. A general sample of the crushed shale was taken, and sent to Ottawa for the purpose of making a check test in the laboratories of the Fuel Testing Station.

Result of tests.—The total quantity of shale received at the laboratory of the St. Claire Gas Company was 161.5 pounds, and this was divided into two lots 81.5 and 80 pounds each, which were retorted in two separate tests.

Test No. 1.—Before charging, the retort proper was brought to a cherry-red heat, while the temperature of the combustion chamber was 1480° F. Pyrometers were placed in the combustion chamber, in the retort, between outside walls and off-take duct, and in the bottom of the eduction pipe, and the temperatures throughout this run were recorded at these points.

The test was commenced at 9.20 a.m., and concluded at 10.50 a.m. The following table gives the temperatures recorded at 15 minute intervals, and the quantity of oil and gas recovered at these periods:—

Time.	Temp. Combustion Chamber.	Temp. Retort.	Temp. Eduction Pipe.	Cu. Ft. Gas.	Weight of Oil.	
					Lb.	Oz.
9.20 a.m.	1486° F		1100° F			
9.35 "	1480 "	240 °F	600 "	30	2	15
9.50 "	1490 "	280 "	500 "	50	2	1
10.05 "	1510 "	510 "	540 "	20	2	6
10.20 "	1520 "	620 "	650 "	25	2	7
10.35 "	1540 "	720 "	700 "	25	2	6
10.50 "	1530 "	820 "	810 "	25	1	3

Summary of results.		Per ton of shale.
Shale charged.....	81 lbs. 5 oz.	
Oil recovered.....	13 " 6 "	43 U. S. gals.
Gas	175 cu. ft.	4,290 cu. ft.
Spent shale.....	52 lbs. 15 oz.	1,297 lbs.

The oil recovered, viz., 13 pounds 6 ounces, contained a small quantity of water which was not determined. The calorific value of the gas produced also was not determined.

Test No. 2.—The temperature of the combustion chamber and retort before the charge was inserted was considerably lower than that which obtained for the first test, consequently, the yield of oil at the end of the first 15 minutes period was much less than in the former test.

Only two temperatures were recorded during this run—the temperature of the combustion chamber, and of the off-take duct. The quantity of gas produced was not recorded.

Quantity of oil shale retorted—80 pounds.

9 GEORGE V, A, 1919

Time.	Temp. Combustion Chamber.	Temp. Off-take Duct.	Quantity of Oil.	
			Lbs.	Oz.
11.25 a.m.	1360° F.	740 F	—	—
11.40 "	1400 "	330 "	—	14
11.58 "	1410 "	400 "	1	3
12.10 p.m.	1420 "	510 "	1	8
12.25 "	1430 "	630 "	2	1
12.40 "	1440 "	710 "	2	6
12.55 "	1450 "	800 "	2	3
1.10 "	1460 "	900 "	1	8
			0	3

Summary of results.

Shale charged. 80 lbs.
 Oil recovered. 11 " 14 oz.

Per ton of shale.

39.6 U.S. gals.

An air leak developed during this run, which was found to be due to a defective gasket between the top cover plate and the top of retort, hence the lower yield of oil is probably due to the air admitted into the charge of shale oxidizing some of the oil.

The yields of oil for 15 minute intervals during the two runs is shown on the accompanying curves. The oil recovered from the entire sample of shale was shipped to the Hon. Wm. Pugsley, at his request, hence no analysis or tests were made to determine its character.

Analysis and results of test of sample of Oil Shale sent to Fuel Testing Station.

In order to check the results obtained with the Wallace retort, a general sample representing the entire quality of shale retorted, and a sample of the spent shale, were sent to the laboratories of the Fuel Testing Station in order to permit the necessary determinations to be made.

In regard to the method of retorting employed in the above laboratories, it must be borne in mind that no provision is made for charging the laboratory retort hot: therefore no attempt was made to determine the quantities of oil evolved at 15 minute intervals. In fact, such determinations are unnecessary, unless the quality of the oil is changing during the period of retorting on account of reactions effected by contact of the oil evolved with hot carbon, or by cracking due to contact with hot surfaces or exposure to high temperatures. Conditions of this nature did not obtain either in the Wallace retort or the retort employed in the Fuel Testing Laboratories. The latter retort was kept under perfect control as regards temperature.

Analysis—

	As Received.	Dried at 105°C.
Moisture.	0.9	—
Ash.	61.1	61.6
Volatile matter.	33.9	34.2
Nitrogen.	0.9	0.9

Distillations.

	No. 1.		No. 2.	
	Without Steam.	With Steam.	Without Steam.	With Steam.
	740°C.	550°C.	740°C.	550°C.
Yield of crude oil, per 2,000 pounds charged. Imperial gal.	35	39	35	39
United States "	42	47	42	47
Yield of completely dried oil per 2,000 pounds charged. Imperial "	31.4	31.4	31.4	31.4
United States "	37.6	37.3	37.6	37.3
Specific gravity, completely dried oil.	0.87	0.89	0.87	0.89
Yield of gas per 200 pounds charged cu. ft.	3,700	3,540	3,700	3,540

Composition of gas—

Carbon dioxide.	25.1	31.0
Illuminants.	2.5	2.6
Oxygen.	0.2	0.5
Carbon monoxide.	19.8	5.2
Methane.	24.6	23.2
Hydrogen.	21.7	32.6
Nitrogen.	6.1	5.1

SESSIONAL PAPER No. 26a

	No. 1. Without Steam. 740°C.	No. 2. With Steam. 550°C.
Calorific value, B.Th.U. per cubic foot gross.	419	395
" " " net.	380	351
Yield of ammonium sulphate per 2,000 pounds charged.lb.	16	19
Nitrogen in residue.per cent.	0.5	0.7
Distribution of nitrogen from charge—		
In ammonia.per cent.	21	24
In residue."	42	58
In gas and unaccounted for."	37	18

Sample of spent shale from Wallace retort.

Nitrogen " 0.5

The yield of oil obtained with the Wallace retort checks remarkably well with that obtained with the retort employed in the laboratories of the Fuel Testing Station, especially since the maximum quantity of oil is extracted by means of the method employed in these laboratories.

The quantity of gas obtained is also in close agreement with that obtained in the Fuel Testing Laboratory.

If all of the nitrogen contained in the raw shale, with the exception of that contained in the residue after retorting, is recovered as ammonia, then we may assume that the recovery of nitrogen as ammonia in the two cases, is the same, since the nitrogen content of the spent shale in both cases is 0.5 per cent.

The Wallace retort is intermittent in operation, but this does not appear to be a disadvantage, since the charging and recharging can be easily accomplished with very little loss of time. Moreover, the withdrawal of the spent contents with the take-off duct insures better operation of the retort when it is freshly charged, since this permits both the take-off duct—which is perforated with many small holes—and the walls of the retort itself, to be thoroughly cleaned.

The retort employed at East St. Louis for distilling the New Brunswick shales was designed for investigating the coking properties of low grade coals, and since the coked mass of coal adheres to the take-off duct, the contents could be more advantageously removed by withdrawing the take-off duct through the top.

The New Brunswick shales exhibited a marked tendency to agglomerate and adhere strongly to the take-off duct, so that no trouble was experienced in withdrawing the spent shale in the manner described. Certain shales, however, disintegrate into fine particles when submitted to heat, and consequently, the spent charge cannot be withdrawn conveniently through the top. For this reason, provision is made for discharging the retorts through the bottom in the plant which is now in course of erection in Utah.

It is unfortunate that the retort was not so arranged that the quantity of heat required for retorting could be measured, since the commercial value of such a process largely depends on the heat which has to be supplied for retorting. With regard to this, however, the writer was informed that the expenditure of heat for retorting was low.

III.

CHEMICAL LABORATORIES OF THE FUEL TESTING STATION.

EDGAR STANSFIELD, *Chief Engineering Chemist.*

The regular personnel of the Chemical Laboratories of the Fuel Testing Station remained unchanged during the year. R. E. Gilmore was engaged throughout the year upon an investigation of lignite; J. H. H. Nicolls was in charge of work on coal and other solid fuels; T. W. Hardy in charge of gas analyses; R. C. Cantelo in charge of oil analyses; and J. Moran in charge of mine air analyses. In addition to the above, J. S. G. Shotwell acted as student assistant during June, July, and August.

The laboratory accommodation also remained unchanged during the year, although, as has already been stated, the accommodation is insufficient and unsatisfactory. It is extremely desirable that an entirely new laboratory building should be constructed to replace the scattered and temporary quarters at present available, and to permit and facilitate the development of the work.

The equipment has been increased by the purchase of the following special apparatus: 1 Edwards gas density balance; 1 Westphal specific gravity balance; 1 Crowell pressure and vacuum pump, with motor; 1 30-light, Monel metal, test meter; 2 constant pressure gas regulators; 1 Burrell's mine air analysis apparatus; 1 Sharples super-centrifuge; and 2 sets of modified Jones' rifles.

The total number of samples submitted for analysis during the year from outside sources was much in excess of that for 1917; the increase being entirely due to a more than 100 per cent increase in mine air samples. No count is made of the samples arising from the special investigations carried out in the laboratory. The reduction in the number of routine samples received, other than mine air samples, has allowed exceptionally good progress to be made with several important pieces of work, notably in connexion with the lignite investigation described elsewhere.

The samples received include: 788 mine air; 119 coal; 97 oil, gasoline, and grease; 6 oil shale, gravel, and sand; 3 natural gas; 2 ash; and 10 miscellaneous samples. Of the above samples 788 were analysed in connexion with the testing of mine air; 78 for the Geological Survey; 46 for the Department of Militia and Defence; 34 for the Fuel Controller; 33 for the Lignite Utilization Board; 7 for other Divisions of the Mines Branch; 4 for the Grand Trunk Pacific Railway; 4 for the Department of Public Works; 2 for the Department of the Interior; 2 for the War Purchasing Commission; 2 for the Department of Soldiers' Civil Re-establishment; 1 for the Department of Marine and Fisheries; 1 for the Imperial Ministry of Munitions; and 23 for private individuals. Seven hundred and forty-seven of the mine air samples came from British Columbia, 38 from Alberta, 2 from Nova Scotia and 1 from Ontario.

Marked progress was made during the year with the investigation on lignite previously referred to. The carbonization tests were carried forward to the point where sufficient data had been collected to make it possible to design a large scale retort. Briquetting tests were commenced and were in full operation at the end of the year; relative tests were made on a number of binders and on other possible variants in the preparation and treatment of briquettes. A short account of the work then completed was published in a paper by E. Stansfield and R. E. Gilmore, read before the Royal Society of Canada, May 1918, (Trans. Royal Soc. of Canada, series III 1918, Vol. XII, P. 121). A short summary, with tables and curves, of the completed tests on carbonization is given in the following appendix.

Another special piece of work was commenced towards the end of the year by R. C. Cantelo. He carried out a large number of chemical and physical tests on samples

SESSIONAL PAPER No. 26a

of wash oils, before and after their use for the extraction of gasolene, in connexion with an investigation on the gasolene content of Canadian natural gases by D. B. Dowling of the Geological Survey.

The regular work of the laboratory was on the whole kept well up to date throughout the year. A marked exception was in the examination of mine air samples, as at the end of the year this work was much in arrears. Arrangements were made to transfer the testing of the mine air samples taken in British Columbia and Alberta from Ottawa to Vancouver, in order to save delay in transit. A duplicate equipment was prepared for Vancouver, but the change had to be postponed.

From October 1, the services of the writer were loaned by the Department of Mines to the Lignite Utilization Board of Canada; a body appointed primarily to establish a commercial industry in Saskatchewan; and in this connexion he made an extended tour through Canada and the United States, visiting carbonizing and briquetting plants, etc.

Five Mines Branch Bulletins Nos. 479-483 "Analyses of Canadian Fuels" a compilation of Canadian fuel analyses by E. Stansfield and J. H. H. Nicolls, were published early in the year: Part I, The Maritime Provinces; Part II, Quebec and Ontario; Part III, Manitoba and Saskatchewan; Part IV, Alberta and the Northwest Territories; Part V, British Columbia and Yukon Territories. Part IV includes an appendix on distillation tests of crude petroleum and its products. The writer read a paper on the Low Temperature Carbonization of Fuels before a general professional meeting of the Canadian Society of Civil Engineers in Toronto, and a paper on Fuels from the Chemists' Viewpoint before the Ottawa Branch of the Society of Chemical Industry.

IV.

LIGNITE CARBONIZATION.

EDGARD STANSFIELD AND ROSS E. GILMORE ASSISTED BY J. H. H. NICOLLS, T. W. HARDY,
R. C. CANTELO, AND OTHERS.

INTRODUCTION.

Although Canada has enormous deposits of coal, many parts of the Dominion are inadequately supplied with fuel. The industrial development of the country has apparently taken place largely without regard to its coal resources, or, more strictly, has developed with regard only to a coal supply from the United States. Moreover, certain large deposits of coal in the prairie provinces are difficult to utilize, being low grade fuel. An investigation, having for its objective the efficient use of such low grade fuels, is now being carried on by the Mines Branch of the Department of Mines. This report deals with a part of that investigation.

The problem of coal supply in southern Saskatchewan and Manitoba is serious, and yet possible of prompt solution on account of the Souris lignite coal field in that district. Because of the above, and because lignite from this district is particularly low grade, Souris coal was chosen for first consideration.

An analysis of a carload sample of coal received in Ottawa from the Shand mine near Estevan in the Souris field is given below; and for purposes of comparison, analyses are given of Phalen seam coal from the Sydney field, also of a typical anthracite sold in Ottawa.

TABLE I.
Comparison of Three Coals.

		Shand coal.	Sydney coal.	Anthracite.
Moisture.....	%	34.6	3.5	3.9
Ash.....	%	8.6	5.7	11.2
Volatile matter.....	%	24.9	33.1	4.3
Fixed carbon.....	%	31.9	57.7	80.6
Calorific value, calories.....	per gram.	3795	7510	7005

TABLE II.
Examples of Analyses—Estevan Area Lignite.

	Estevan Upper Seam.	Estevan Lower Seam, Outerop Sample.	Roche Percée.	Bienfait- Taylorton Seam.	Bienfait- Taylorton Seam.	Pinto.
Sample number.....	1427	1425	1445	1446	1438	1450
Proximate analysis:—						
Moisture.....	36.5	36.0	34.5	36.3	35.1	35.5
Ash.....	7.5	9.8	5.3	5.2	7.0	5.5
Volatile matter.....	25.5	25.3	27.2	25.1	25.9	26.8
Fixed carbon.....	30.5	28.9	33.0	33.4	32.0	32.2
Sulphur.....	0.3	0.9	0.5	0.3	0.4	0.4
Calorific value:—						
Calories per gram.....	3720	3770	4140	3920	3930	4060
B. Th. U. per lb.....	6700	6780	7360	7070	7070	7310
Fuel ratio.....	1.20	1.15	1.20	1.35	1.25	1.20

Even if we recalculate the calorific value of the Shand coal to a moisture-free basis we get only 5,805 calories per gram.

Table II gives analyses of some other lignites from the Souris, or Estevan Area, coal field.

The low calorific value of the Souris coal is, however, not its chief drawback. The coal as mined consists of large lumps, but contains some 30 per cent of water. Thus for every 100 tons of dry coal shipped, handling charges and freight have also to be paid on some 43 tons of water. Moreover, when the coal is burned in a furnace this water has to be evaporated and sent up the chimney, with a consequent great loss of efficiency. If, on the other hand, the coal is stored, it gradually loses a large part of its contained moisture; but in so doing the lumps crack and crumble until the product is almost useless for ordinary purposes.

Methods for increasing the commercial value of this coal are easy to suggest. For example, it could be dried, powdered, and briquetted. Unfortunately, unlike German brown coal, it is so deficient in inherent binding material that a briquette made without the addition of a binder will not stand storage and handling; whilst briquetting with the addition of a binder is an expensive operation considering the low grade of the material to be treated. The briquettes moreover are so high in volatile constituents that they tend to disintegrate as soon as they are heated. Another suggestion would be to carbonize the coal and use the residue briquetted or otherwise. The volatile matter driven off from the coal by heat has a lower calorific value per gram than has the original coal, so that the residue is a higher grade fuel. The coal, however, does not soften and coalesce when heated, or, in other words, does not coke, so that

SESSIONAL PAPER No. 26a

the product is a friable material bearing somewhat the same relation to the original that charcoal does to wood. This carbonized residue could be used in gas producers, or as powdered fuel, or, with the addition of a suitable binder, could be briquetted and employed generally as a fuel.

Much work has been done in different parts of the world on the utilization of lignites, and one must conclude from the results obtained that at present the most hopeful treatment for the Souris lignite is low temperature carbonization, and the briquetting of the residue with addition of a binder. In this connexion it may be mentioned that it has long been known to fuel specialists that a truly economical use of most bituminous coals necessitates a preliminary carbonization with recovery of by-products. The importance of this is now very widely understood, and it is reported that the direct combustion of coking coals is prohibited in Germany.

Although, as stated above, much work has been done on the utilization of lignites, comparatively little exact information has yet been published on the carbonization of lignites.

The carbonization experiments have been subdivided into small scale laboratory tests, large scale laboratory tests, and semi-commercial tests. In the first of these, samples of about a quarter of an ounce were taken; this scale of work allowed of very exact control of the conditions of the experiment and also allowed a large number of experiments to be carried out, under widely varying conditions, within a reasonable time. It was not possible, however, to study the by-products. The results are being used to cut down unnecessary work in the larger tests, they are also valuable as checks on the accuracy of control in all subsequent experiments. In the large scale laboratory experiments samples of about five pounds are treated, and all the products are carefully collected and examined.

The semi-commercial tests will follow shortly.

In these carbonization tests the results determined include the yield and calorific value of the carbonized residue; the yield, composition, and calorific value of the gas generated; the yield, calorific value, and economic value of the tar oils produced; and the ammonium sulphate yield available. The conditions under which the lignite is carbonized are varied in order to show the influence on the results of: the final temperature to which the charge is heated, the rate of heating, the pressure in the retort, and the atmosphere in the retort.

The primary object of the investigation is not to design a commercial plant, but to obtain the accurate data essential for the scientific design and control of such a plant. The commercial significance of the results being obtained can readily be seen in connexion with the following points:—

Temperature Control.—Coals are carbonized commercially in retorts operated either intermittently or continuously. Each method has advantages of its own, but the results, especially with regard to tar and gas yields are often markedly different. The coal near the walls of intermittent retorts is heated rapidly and to a high temperature, the coal in the centre of the charge is heated slowly and to a lesser temperature. In continuous retorts all the charge is heated slowly, although there may be the same temperature difference between the centre and the walls. When the best temperature conditions are known it will be possible to design a retort in which they can be approximated. Some variation will, however, probably be necessary for economy of construction, upkeep, and operation, and the data obtained will enable the loss due to the changed temperature treatment to be balanced against the gain in economy.

Pressure in Retort.—Experiments have been and are being carried out under low pressure, atmospheric pressure, and high pressure. It is known that by distilling bituminous coal in vacuo, the tar yield is increased and its nature profoundly changed; it is yet to be determined whether there is any increase in the economic value of

lignite tar thus obtained, commensurate with the increased cost of the process. The high pressure experiments were planned with the idea that the product might require the addition of less binder to form a satisfactory briquette, but this point is yet to be settled. Carbonization of dry lignite under pressure, however, has been shown to give a product of distinctly higher calorific value than normal.

Atmosphere in Retorts.—Steam distillation of oils, etc., is commonly employed as an economical substitute for vacuum distillation. The effect of the atmosphere in both steam and pressure carbonization tests was found to be quite considerable, and the results indicate that this subject will require careful consideration in any commercial scheme.

SMALL SCALE LABORATORY EXPERIMENTS.

Coal.—The particular coal chosen for most of these experiments was from the Shand mine of the Saskatchewan Coal, Brick and Power Co. The sample, which consisted of a single lump of coal shipped by express from the mine in a wooden box, was crushed, and then ground to a fine powder in a ball mill. For convenience of manipulation, and as a prevention against the rapid change which a powdered coal undergoes owing to moisture loss and oxidation, this powder was briquetted in a small hand press. The briquettes were cylindrical, $\frac{1}{4}$ inch diameter, about $\frac{1}{4}$ inch long, and ran about 5 or 6 to the gram. They were stored in stoppered weighing bottles until required, and from time to time control moisture determinations were made upon them. It might be noted that during a period of two months the moisture content fell only 1 per cent from an original of over 30 per cent.

The average analysis of this coal was: moisture 31.8 per cent, ash 5.2 per cent, volatile matter 28.9 per cent, and fixed carbon 34.1 per cent. Its gross calorific value was 4,260 per gram.

Apparatus.—The apparatus used for most of the experiments consisted of a cylindrical iron retort $1\frac{1}{2}$ inches high and $1\frac{1}{2}$ inches diameter, inside measurement, having a lid which was held on by a small clamp, the joint being rendered air-tight by means of an asbestos gasket. A small inlet tube was screwed into the bottom of the crucible, and an outlet tube into the lid; the inlet and outlet tubes being so arranged that the retort could be completely immersed in an oil or lead bath. For the experiments under pressure a slightly larger and heavier retort was employed, with a hexagon screw cap and rendered gas-tight with an asbestos-copper gasket. The inlet tube was dispensed with, and a pressure gauge and relief valve connected to the outlet tube.

The coal briquettes employed in each test were weighed out into a 10 gram. capacity quartz crucible which fitted inside the iron retort. The heating was done by immersing the retort in a bath, which for tests up to 300° C. was of oil and for those above that temperature of lead. The lead was contained in a 4-inch length of 4-inch iron pipe with a cap end, and was heated in a gas-fired furnace which gave a very uniform temperature throughout the bath, and which permitted of rapid heating and easy control. The temperature was followed by two pyrometers immersed in the lead.

The pyrometers employed were calibrated from time to time by means of the freezing points of lead and zinc. The recorded temperatures are probably correct to within 5° C.

Procedure.—The general procedure, modified in the particular cases noted, was as follows. From 3 to 10 grams of the briquetted sample was weighed out into the quartz crucible, this was placed in the iron retort and the top clamped down. A gentle stream of dried coal gas was passed in through the inlet tube to displace the air, the gas was then cut off and the retort immersed in the bath of oil or lead, previously heated to almost the desired temperature. The progress of carbonization was watched by causing the evolved gas to bubble through a little water; it was thus

SESSIONAL PAPER No. 26a

found that 1½ hours was sufficient to complete the operation. In every case after the lead bath had been finally adjusted to the desired temperature, this temperature was maintained for at least half an hour. At the end of the experiment the retort was taken out of the bath and cooled as rapidly as possible, cold water being run over it to complete the cooling. A little dried coal gas was also passed through the apparatus during this period to prevent the oxidation of the hot product by air drawn in as the gases contracted. When quite cold the retort was opened and the quartz crucible weighed to determine the loss in weight of the briquettes during the experiment. The calorific value of the carbonized briquettes was then determined by means of a Riche adiabatic calorimeter using a platinum resistance thermometer. Ash and volatile matter determinations were also made in many experiments.

The water content of the original briquettes was determined by heating for one and one-half hours in a toluol oven in a stream of carbon dioxide. By means of this the results obtained above were recalculated to a moisture-free basis.

For reasons given below it was found necessary to standardize the conditions, especially the time factor, in all operations with the dried or carbonized residue. The quartz crucible and contents were always weighed in a stoppered weighing bottle. The residue at the close of an experiment was weighed as soon as cold to determine the loss in weight, and the portion required for the calorimeter was weighed out by difference as nearly as possible fifteen minutes after stopping the heating.

Calculations and curves.—For each test the loss in volatile matter was determined by subtracting the weight of the moisture in the sample taken from the observed loss, the result being expressed as a percentage of the equivalent weight of dry coal. This is referred to as the percentage loss of weight (volatile matter) on a moisture-free basis. It should be noted that water originally present in the coal is not regarded as volatile matter in the technical use of that phrase, although water produced by the decomposition of the coal is included in the volatile matter.

In diagram I the loss of volatile matter is shown plotted against the temperature at which the experiment was carried out; a separate curve being shown for each of the series of tests described below. In a few cases the points given represent the average of two or more results. Diagram I also shows the calorific value of the carbonized residue from each test, these values being similarly plotted against the temperature of carbonization.

Diagram II shows the calorific value of the carbonized residue plotted against the yield; the yields being shown as percentages of both the original coal and the moisture-free coal. These curves are also deduced from the rounded curves in diagram I.

Table III shows the summarized results of all the tests. For ease of comparison, the results given are taken from the rounded curves in the diagrams at definite temperature intervals.

All results have been calculated to a moisture-free basis as described above. This gives a more stable basis for comparison, as the moisture in the coal as received is liable to show considerable variation. It is also a more satisfactory basis when it is desired to compare results with coals from different sources.

The residue from a moisture determination, in an atmosphere of carbon dioxide in a toluol oven, is taken as the moisture-free basis for all calculations and curves, it being assumed that no volatile matter is driven off at 110°C.

Regular Series of Tests on Shand Coal.—Nine completed tests were run in this series over a temperature range of from 200° C., to 700° C., the general procedure given above being followed. In addition, moisture determinations in the toluol oven were regarded as giving the comparable results for a temperature of 110° C., and standard volatile matter determinations, in a platinum crucible over a gas flame, the results for a temperature of approximately 900° C.

The results obtained, as shown in the curves, indicate that the loss of volatile matter is slight up to 300° C., from there up to 600° C., the loss increases rapidly, and by 700° C. the volatile matter has nearly all been driven off. The calorific value of the residue increases steadily up to 500°-600° C., and then commences to decrease.

A very striking phenomenon, first observed in connexion with the vacuum series, was later found to take place with every sample of dried or carbonized lignite. The residue in every case rapidly gained in weight after removal from the retort, even when stored in a desiccator over sulphuric acid, its calorific value at the same time decreasing. This was later shown to be mainly due to occlusion of air. The results given in the curves and in the tables are, with the exceptions noted, for weights and calorific values determined immediately after the experiment.

Slow Carbonization Series on Shand Coal.—Six completed tests were run in this series over a temperature range of from 390° C. to 700° C. The procedure was the same as in the regular series, except that, instead of the retort being heated rapidly up to the desired temperature, it was first heated to about 250° C. in the oil bath, then transferred to the lead bath, and its temperature slowly raised to the required point.

The results show a strong similarity to those of the regular series, but for any given final temperature, slow heating caused a slightly lower loss of volatile matter. The calorific values were rather erratic but showed no marked difference from the above. It should be noted in this and the following cases, that even where the yields and the calorific values are similar in two series, it is no indication that the by-products are also alike. As has already been stated, the by-products are to be examined in a later investigation.

This series was not repeated after standardization of the time factor. The calorific values obtained were therefore omitted from the curves and tables.

Vacuum Series on Shand Coal.—Eight completed tests were run in this series over a temperature range of from 355° C. to 705° C. The procedure differed from the regular in that the inlet tube of the retort was closed, and the outlet tube connected through a receiver to a good water pump; the pressure in the retort being thus kept below 25 mm. of mercury.

The results show, as was expected, that at any temperature the percentage of volatile matter driven off is greater than at ordinary pressures; but the difference is not so great as was expected. The calorific value of the residue is the same as in the regular series at 350° C., above this temperature it is distinctly less.

Steam Series on Shand Coal.—Six completed tests were run in this series over a temperature range of from 355° C. to 655° C. The general procedure was followed, except that a gentle current of steam was passed in through the inlet tube whilst the retort was being heated, dry coal gas being passed through as usual during the cooling period.

The results were similar to those of the regular and vacuum series up to a temperature of about 450° C. Above this temperature a secondary action appears to influence the results, this being very marked above 600° C. This disturbing influence is no doubt the chemical reaction, well known in connexion with gas producers, between steam and carbonaceous matter, whereby carbon dioxide, carbon monoxide, and hydrogen are produced, and the yield and calorific value of the residue decreased. It is quite obvious that the results actually obtained in this series were dependent on the quantity of steam passed through and the duration of the heating. That fairly smooth curves were obtained was due merely to the fact that the quantity of steam and the time of heating were approximately the same in each case. If these had been sufficiently increased, at any rate at the higher temperatures, the coal would have been burned to ash.

r
n
e
e
o

s
d
s
d
e
t
e

t
n
e
l
s
r
s

r
r

r
s

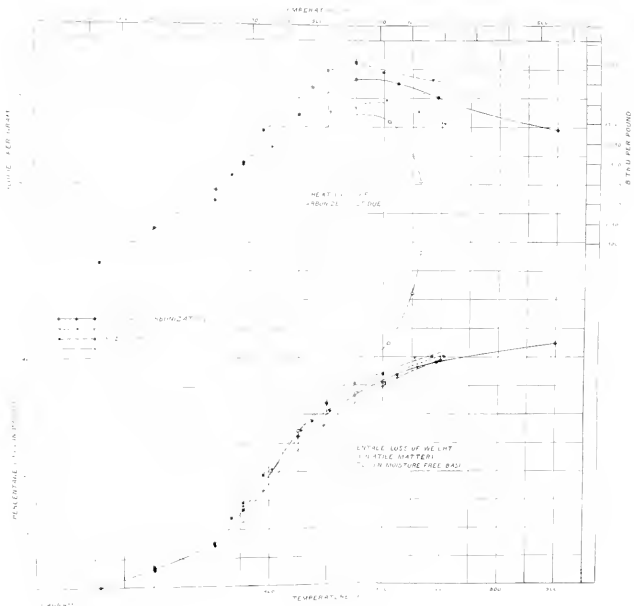


Diagram 1

SESSIONAL PAPER No. 26a

The calorific values shown in the curves were not determined immediately after the experiment. The results to be obtained are so dependent on the quantity of steam passed through, that it was not thought necessary to repeat this series according to the later standardized method. The yield curve is probably correct as it stands, but the calorific value curve, and the results deduced therefrom, are probably uniformly two or three per cent too low.

Pressure Series on Shand Coal.—Eight completed tests were run in this series over a temperature range of from 335° C. to 685° C. The special retort described above was employed, and the general procedure was modified in that the retort was closed so that the volatile products could not escape. When the charge was first heated the pressure rose rapidly to above 120 pounds per square inch, but the relief valve being opened as required the pressure was reduced and maintained as close to that figure as possible. At the end of the experiment the retort was cooled with the valve shut.

Trouble was experienced in this series from the water in the coal. In the first place it volatilized and created a big initial pressure; and then, after this had been relieved by the valve, the steam still remaining in the retort gradually passed into the exit tube and condensed, causing the pressure in the system to fall below the desired minimum. In the second place, the steam in the retort reacted with the coal as described in the previous series, and masked the results it was desired to study. Seven experiments in this series were therefore carried out using coal briquettes previously dried in carbon dioxide in a toluol oven. In one experiment at 335° C. moist coal was used, the steam effect at that temperature being negligible.

The results are remarkable in that they agree most closely with those of the vacuum series. The calorific values, however, are distinctly higher than in any other series, reaching a maximum at about 550° C. and then rapidly falling off.

TABLE III.

**Carbonization of Shand Lignite—Small Scale Laboratory Experiments.
Summary of Results.**

Temperature of Carbonization, °C.	Regular.			Vacuum.			Steam.			Pressure.		
	Yield of residue.	Calorific value.	Thermal efficiency.	Yield of residue.	Calorific value.	Thermal efficiency.	Yield of residue.	Calorific value.	Thermal efficiency.	Yield of residue.	Calorific value.	Thermal efficiency.
110	100.0	\$6,260	100.0	-	-	-	-	-	-	-	-	-
200	96.8	6,485	100.3	-	-	-	-	-	-	-	-	-
300	92.8	6,750	100.0	-	-	-	-	-	-	-	-	-
350	87.4	6,920	96.6	86.3	6,920	95.4	89.8	6,850	98.3	86.0	6,960	95.6
400	80.5	7,110	91.4	79.6	7,045	89.6	81.0	6,970	90.2	79.0	7,205	90.9
450	74.2	7,280	86.3	73.5	7,170	84.2	72.8	7,090	82.4	73.1	7,400	86.4
500	70.0	7,435	83.1	19.5	7,280	80.8	67.8	7,200	78.0	68.4	7,375	82.8
556	66.8	7,530	80.4	66.5	7,355	78.1	63.4	7,285	73.8	65.0	7,640	79.3
600	64.2	7,520	77.1	63.7	7,365	74.9	58.7	7,255	68.0	62.8	7,595	76.2
650	62.1	7,470	74.1	61.5	7,315	71.9	49.0	7,000	54.8	60.9	7,550	73.4
700	60.8	7,390	71.8	59.8	7,230	69.1	-	-	-	59.2	7,515	71.1
800	59.1	7,270	68.6	-	-	-	-	-	-	-	-	-
900	57.7	7,150	66.2	-	-	-	-	-	-	-	-	-

NOTE:—The yield is the weight of the residue as a percentage of the moisture free coal. Calorific values are given in calories per gram of residue. The thermal efficiency is the heat value of the residue as a percentage of the total heat value of the original sample.

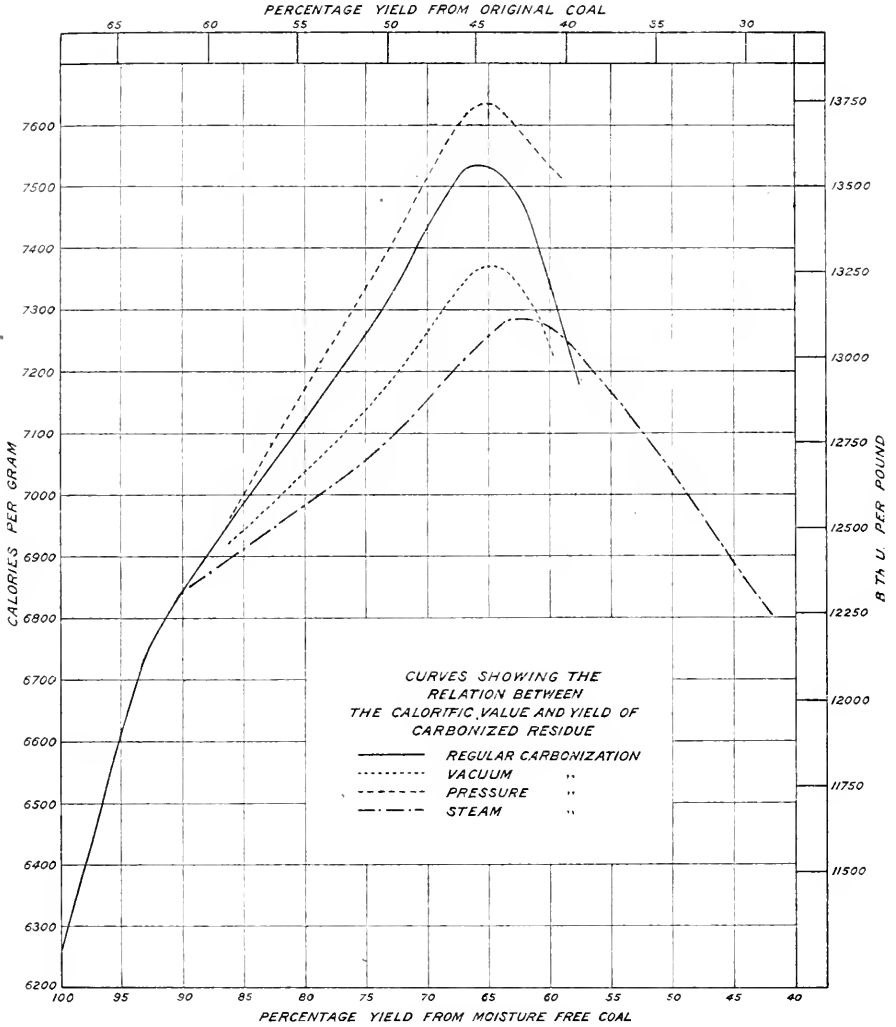


Diagram II.

Regular Series on other Lignites.—Comparative tests have been made on lignite samples from the West Dominion Collieries, Taylorton, Sask.; Wm. Halberts mine, Trochu, Alta.; and Cardiff Collieries, Cardiff, Alta. The procedure followed was that described under “Regular Series on Shand Coal.” Diagrams III, IV, V, and VI show in comparable form the results obtained with the Shand coal and the three coals enumerated above. In these curves the calorific value of the residue, and also its percentage content of moisture, ash, and volatile matter, are shown plotted against the percentage yields on the basis both of coal as charged and of dry coal. The temperatures of carbonization at which the different yields are obtained are also shown. No determinations of ash and volatile matter were made in the experiments with Shand lignite, the curves shown for these are therefore theoretical. With the other three samples these determinations were made, and both the theoretical and determined curves are shown. It will be noted that the determined ash is always lower than that calculated from the loss in weight. The relation between the determined and the calculated volatile matter is less regular, but generally the former is the lower.

Tests on lignites from other fields are now in progress.

SESSIONAL PAPER No. 26a

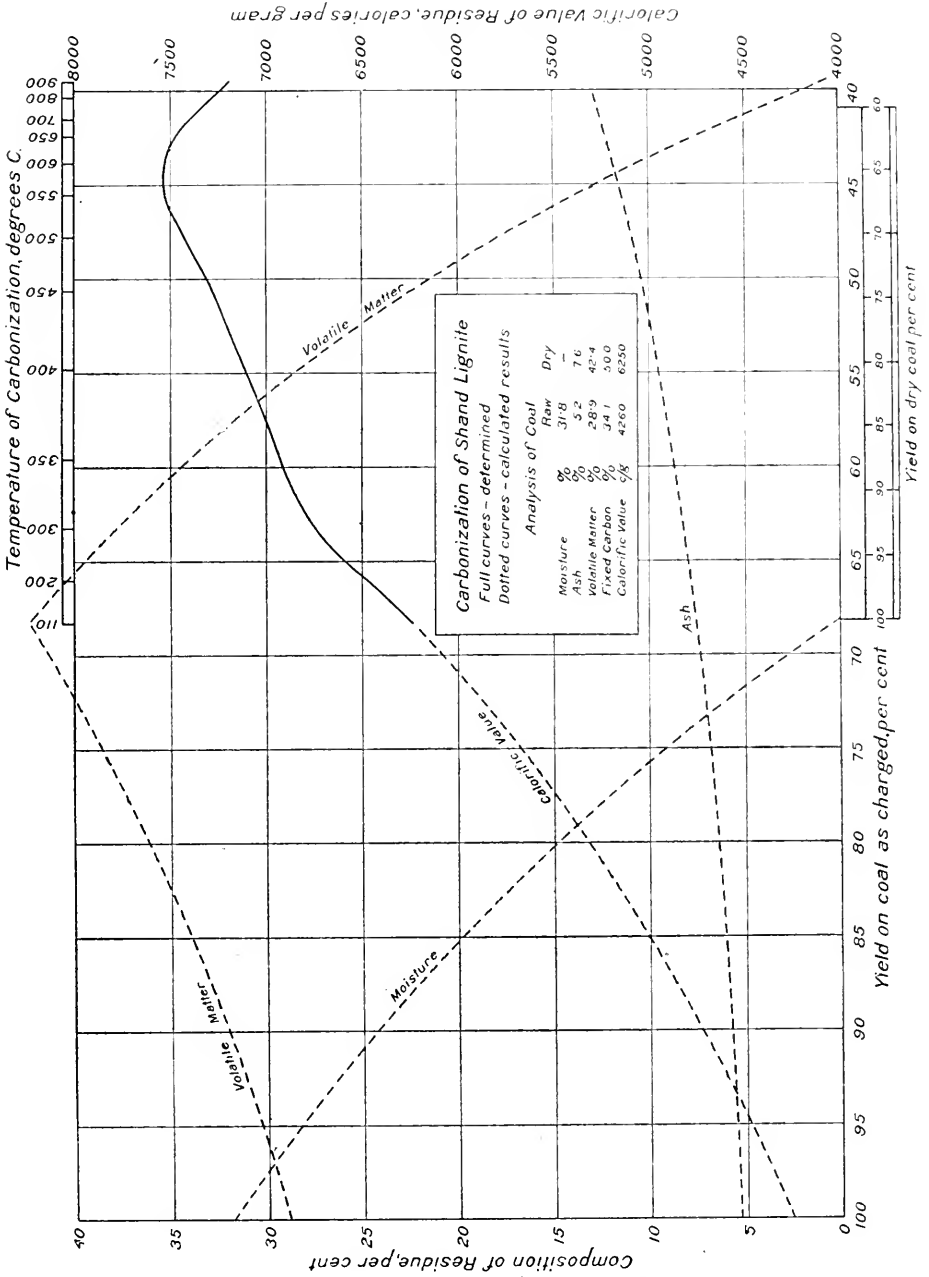


Diagram III.

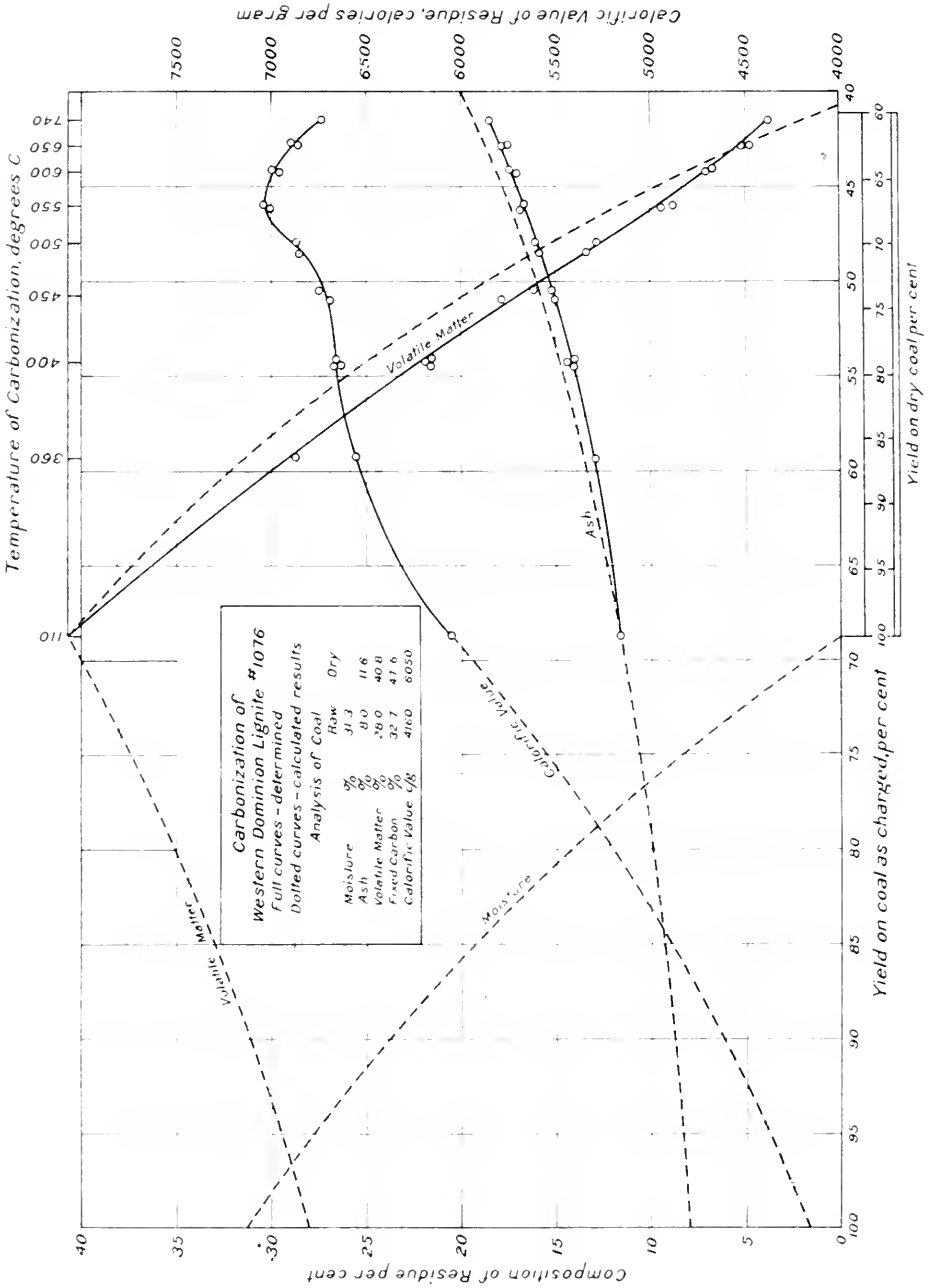
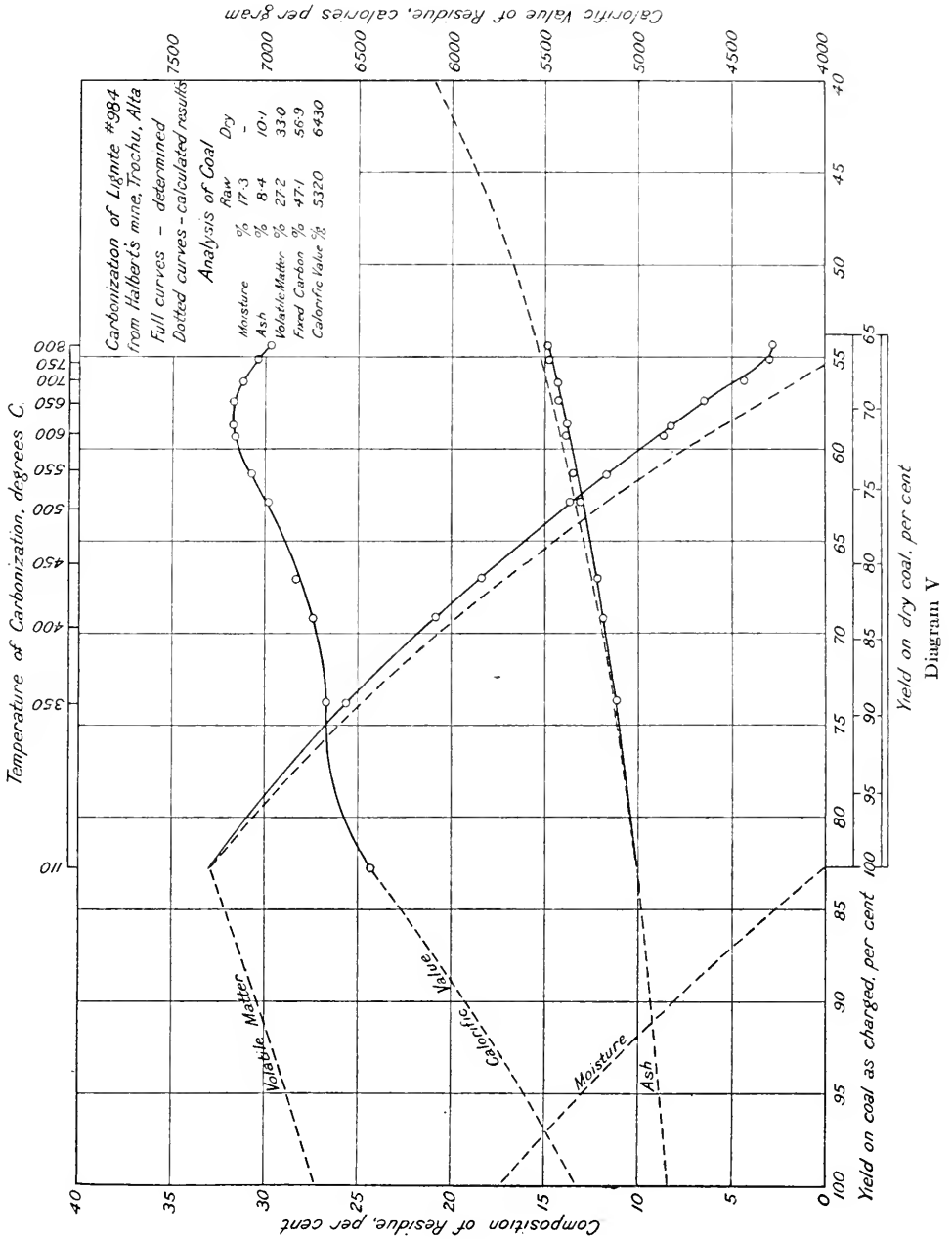


Diagram IV.



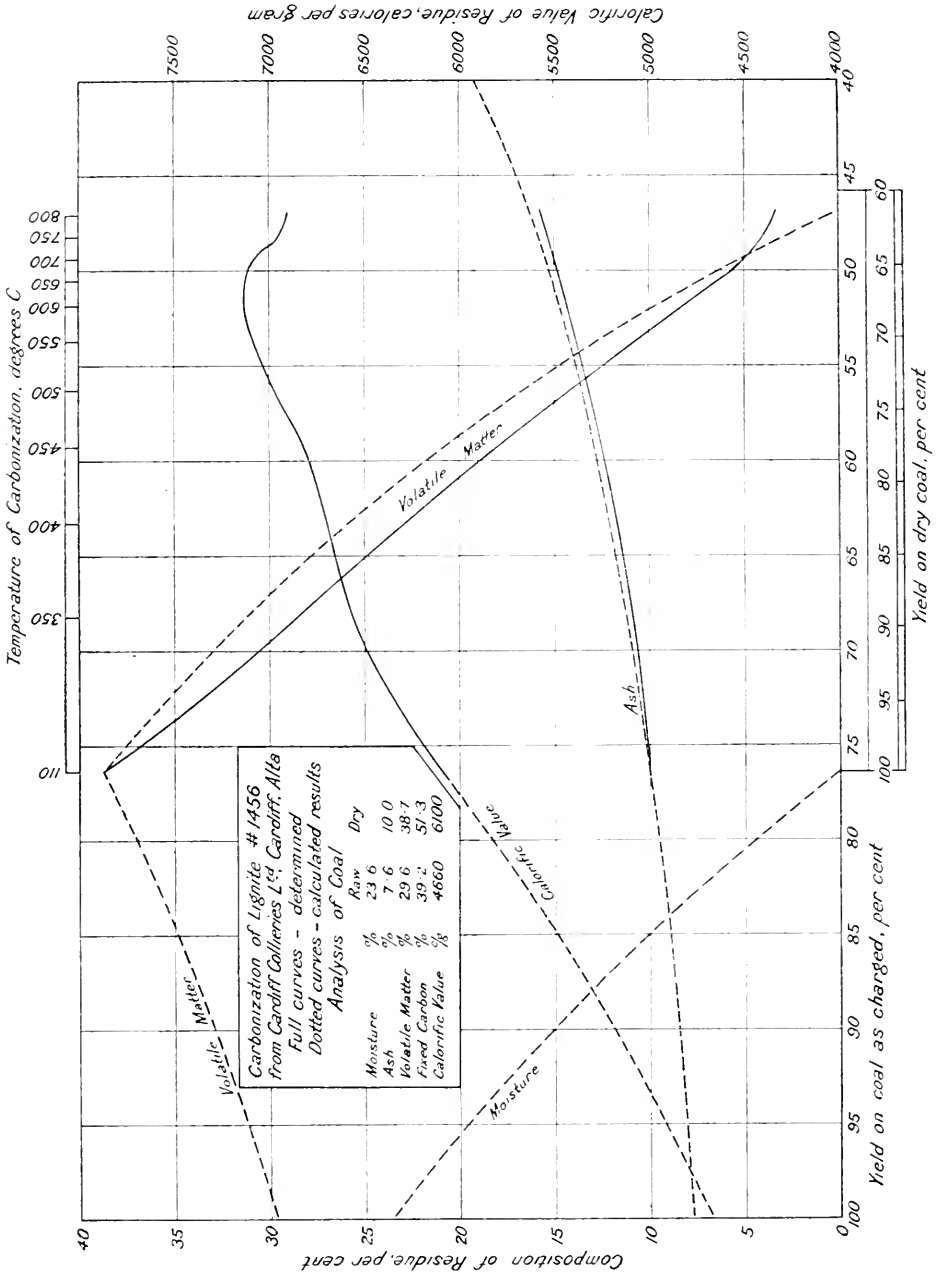


Diagram VI.

SESSIONAL PAPER No. 26a

LARGE SCALE LABORATORY EXPERIMENTS.

In the small scale experiments only the residue left from the carbonization of lignite under specified conditions was studied, and its yield, calorific value and analysis determined. In the large scale laboratory experiments the results determined include the yield and calorific value of the carbonized residue; the yield, composition, and calorific value of the gas generated; the yield, calorific value, and economic value of the tar oils produced; and the ammonium sulphate yield available. The conditions under which the lignite was carbonized were, in the experiments here described, only varied to show the influence on the results of the final temperature to which the charge is heated, the rate of heating, and the moisture condition of the coal treatment. Further experiments are well under way which show the effect of the pressure in the retort and the atmosphere in the retort.

Apparatus.—The apparatus designed for and employed in most of these tests embodies three important features: an accurate temperature control; the reduction, as far as possible, of the temperature lag from the walls to the centre of the charge; and the complete removal and easy collection of the tar vapours. The general layout of the apparatus is shown diagrammatically in Fig. 5.

The temperature control is effected by the use of an electrically heated lead bath, B, with suitable thermal insulation. The bath rests on a movable platform which can be raised by a screw C. The temperature is observed by means of a pyrometer and regulated by switches and a rheostat.

The reduction of lag is effected by the use of a tubular retort A. This consists of seven 12" lengths of 2" boiler tubing, mounted into a cast iron head. No part of the charge is thus more than 1" from the walls of the retort, which has a capacity, to the top of the tubes, of 2,300 grams of pea size lignite with about 35 per cent moisture content.

A satisfactory method for collecting the tar was only evolved after many weeks of work and many failures. Not only was it hard to remove the last traces of tar fog, but the condensate was usually in the form of a watery emulsion, very difficult to handle.

The method employed is as follows: the hot gases leaving the retort pass down through the centre tube of a small scrubber D, made of iron pipe and containing three interlacing coils of wire, passing up again through a surrounding annular space; the whole being jacketed with superheated steam. The heavy tar oils are here condensed in a practically water free condition, and drop into a weighed glass beaker. The lighter oils, steam, and gases pass on and down through a simple tubular condenser E where the two former condense and collect in a receiver, the oils floating on the water and showing only a slight tendency to emulsify. The cool gases leaving the condenser still contain some tar fog; they are therefore passed down through a tube scrubber F filled with glass beads (and a short layer of glass wool shown shaded) through which a jet of steam from a weighed boiler is also passed. The bottom half of this scrubber is water cooled. This scrubber completely removes the tar fog from the gas; the oil first condensed on the beads acts as an oil scrubber collecting more of the tar, the steam prevents the clogging of the scrubber by keeping the tar hot and fluid, and also, when condensing at the bottom, carries down with it any vapours still remaining. The gases are thus completely cleaned, and all the liquid products as well as the ammonia from the lignite are collected in the vessels and can be readily weighed and examined. The tar oils thus collected are reasonably free from water and can be redistilled without excessive bumping or frothing. The gases leaving the scrubber F pass through a final cooling tube G, through a gas meter H, and into a gas holder which is not shown.

For temperatures above 700° C. a smaller apparatus was employed, and no lead bath. The retort consisted of a simple piece of 3" boiler tube 16" long. It was heated by placing it inside a tube of 3" bore heated electrically by means of coils of

nichrome wire wound round the outside. A charge of 1,000 grams was taken for all experiments with this retort. The temperature of the lignite was observed by means of two pyrometers, one in the centre and one near the wall of the retort, about 5" or 6" from the bottom. As lignite shrinks during carbonization the pyrometers were approximately in the centre of the mass at the end of an experiment. The temperature was found to be fairly uniform throughout the charge, but the control is not as exact as with the lead bath heater; this is indicated in the temperature column in the tables.

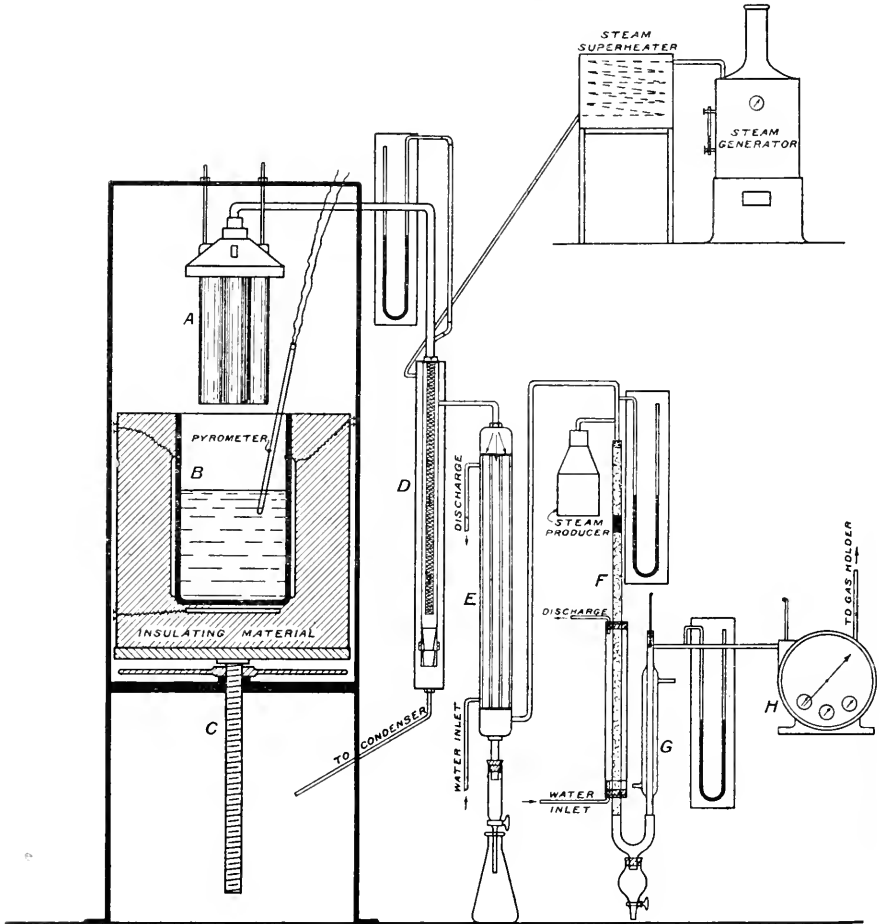


Fig. 5.—Apparatus for lignite carbonization.

The gases and vapours leaving the retort were treated in the apparatus already described, with the exception that the first condenser D was omitted on account of the smaller quantity of gas to be treated. The effect of this omission of fractional condensation is shown in the high moisture content of the crude tar oils as given in table X.

Regular Series of Tests, Rapid Heating.—In the experiments the retort was charged, usually with pea-sized lignite containing about 34 per cent moisture, but in a few experiments with dried lignite, and connected to the purifying train which was then swept out with gas from a previous run. The lead bath, heated to temperature

SESSIONAL PAPER No. 26a

higher than that desired for the test in order to allow for the cooling effect of the retort, was then raised to surround the retort. The temperatures and pressures at the different parts of the system, and also the meter readings, were recorded at frequent intervals, and the experiment continued until the evolution of gas had practically ceased. The volumes of gas collected were corrected for temperature, pressure and moisture content, being reduced to moist gas at 60° F. and 30" of mercury pressure. All other products were weighed, and all the products were carefully analysed. In a number of the experiments the gas was collected in two separate holders, and the two portions were then analysed separately; it will be noted that the gas from the second half of the run is much richer than that collected in the first holder.

The tables given below summarize the more important results obtained. As a general rule the results are the average of two or more experiments at each temperature.

Slow Heating Series of Tests.—In the slow series the general method was the same as the above, except that the lead bath was only heated beforehand to a temperature slightly above the melting point of the lead. The bath was then raised slowly up and, after the retort was immersed, the temperature then slowly raised to the temperature of the test.

Experimental Results.—The results obtained in the experimental work are summarized in the following tables:—

Table IV gives a typical analysis of the Shand coal employed in the tests.

TABLE IV.

Typical Analysis of Shand Coal Employed in Tests.

Proximate analysis.	Coal as charged	Dry coal.
Proximate analysis—		
Moisture	32.6	6.0
Ash	8.6	12.8
Volatile matter	27.1	40.2
Fixed carbon	31.7	47.0
Calorific value—		
Calories per gram	3965	5880
B. Th. U. per lb.	7140	10580
Fuel ratio	1.17	1.17

Table V gives analyses of another sample of Shand coal, as mined with 35 per cent of water, after drying at 110° C., after carbonizing at 580°-600° C., and after carbonizing at 775°-800° C. Table VI gives a weight balance sheet on carbonization; the last column indicates the accuracy obtained. Table VII gives the commercial products obtained per ton of moist coal charged. Table VIII gives a thermal balance sheet; the last column gives the heat lost through the formation of water, carbon dioxide, etc., during carbonization. Table IX gives yields and analyses of the carbonized residue. Table X gives yields, analyses and distillation tests on the tar oils. In the last column the quantity of pitch available for use as a binder for briquetting the carbonized residue is shown. Table XI gives the yields, and combustible content of the gas produced. In most of the experiments the gas was collected in two approximately equal portions; it can be seen that the second portion was far richer than the first.

Table XII gives some comparative results on different samples of lignite from the Estevan area. Six samples were tested from five different mines at Taylorton, Bienfait, Shand, and Estevan; one sample consisted of outcrop coal. The samples were carbonized as described above under "Regular Series of Tests, Rapid Heating," at a temperature of 575°-600° C. In the results obtained comparisons between the different

coals were masked by variations in the moisture and ash content of the samples tested. The results were therefore recalculated to the uniform basis of coals containing 33 per cent moisture and 7 per cent ash. The table shows that in the main the different coals of this field give closely agreeing results, after allowing for variations caused by differences in moisture and ash content. The yields of tar, however, are a marked exception in this respect.

TABLE V.

Analyses Shand Coal—Raw, Dried, and Carbonized.

Sample.	As mined.	Dried.	Carbonized at 580-600°C.	Carbonized at 775-800°C.
Proximate analysis—				
Moisture.....	35.0			
Ash.....	8.1	12.5	17.5	20.3
Volatile matter.....	25.5	39.2	11.7	2.8
Fixed carbon.....	31.4	48.3	70.8	76.9
Ultimate analysis—				
Carbon.....	40.6	62.5	74.0	76.6
Hydrogen.....	6.5	3.9	2.4	1.0
Ash.....	8.1	12.5	17.5	20.3
Sulphur.....				
Nitrogen.....	44.8	21.1	6.1	2.1
Oxygen.....				
Calorific value—				
Calories per gram.....	3700	5690	6620	6560
B. Th. U. per lb.....	6560	10240	11920	11800
Fuel ratio.....	1.25	1.25	6.05	27.80
Carbon-hydrogen ratio.....	6.2	16.1	30.8	77.4

TABLE VI.

Weight Balance Sheet, Lignite Carbonization—Dry Coal Basis.

Temperature.	Water of decomposition.	Gas.	Tar oils, crude.	Carbonized residue.	Unaccounted for.
	%	%	%	%	%
Rapid heating—					
350°C.....	6.9	4.1	1.0	87.5	-0.5
400.....	9.8	8.1	2.9	79.1	-0.1
475.....	11.9	12.3	4.2	71.4	-0.2
555.....	11.7	17.0	4.1	66.7	-0.5
605.....	13.4	18.0	4.2	64.3	-0.1
690.....	12.5	22.1	3.9	61.5	0.0
Rapid heating, no lead bath—					
750-800°C.....	13.5	21.7	3.7	60.8	-0.2
Rapid heating, dried coal—					
550°C.....	8.7	17.9	3.4	69.6	-0.4
Rapid heating, dried coal, no lead bath—					
750-800°C.....	9.1	22.4	3.0	65.4	+0.9
900-950.....	8.3	25.1	3.0	63.9	+0.3
Slow heating—					
450°C.....	10.4	11.5	4.3	74.0	+0.2
550.....	12.6	15.5	4.5	67.4	0.0
655.....	12.4	20.2	4.0	63.8	+0.4

SESSIONAL PAPER No. 26a

TABLE VII.

Commercial Products, Lignite Carbonization—Moist Coal as Charged.

Temperature.	Moisture as charged.	Yields per short ton.			
		Gas.	Ammonium sulphate.	Tar oils.	Carbonized residue.
	%	c. f.	lbs.	gals.	lbs.
Rapid heating—					
350°C.....	32.3	590	0.5	0.1	1185
400.....	31.9	1190	1.4	4.1	1075
475.....	31.6	2020	4.4	5.4	980
555.....	31.8	3130	10.2	5.3	910
605.....	31.2	3810	11.8	5.6	885
690.....	33.0	4900	19.2	5.0	825
Rapid heating, no lead bath—					
750-800°C.....	33.7	5530	15.0	4.0	804
Rapid heating, dried coal—					
550°C.....	2.3	3010*	10.5	4.6*	935*
Rapid heating, dried coal, no lead bath—					
750-800°C.....	1.5	4880*	16.8*	3.0*	867*
900-950.....	2.2	5920*	16.2*	2.8*	834*
Slow heating—					
450°C.....	33.1	1710	3.3	5.3	990
550.....	34.0	2750	10.4	5.9	890
655.....	33.6	4200	14.5	5.1	845

* Calculated to the yield from a 33% moisture charge for comparison.

TABLE VIII.

Thermal Balance Sheet, Lignite Carbonization—Heat Content of Products as Percentages of Heat in Original Charges.

Temperature.	Gas.	Tar.	Carbonized residue.	Loss.
	%	%	%	%
Rapid heating—				
350°C.....	0.7	1.6	92.2	5.5
400.....	1.7	4.7	88.3	5.3
475.....	5.0	6.7	81.7	6.6
555.....	8.3	6.0	78.1	7.6
605.....	10.6	6.5	74.8	8.1
690.....	14.4	5.9	70.4	9.3
Rapid heating, no lead bath—				
750-800°C.....	14.7	4.6	68.5	12.2
Rapid heating, dried coal—				
550°C.....	7.5	5.5	81.1	5.9
Rapid heating, dried coal, no lead bath—				
750-800°C.....	13.6	3.8	76.3	6.3
900-950.....	17.4	3.5	73.0	6.1
Slow heating—				
450°C.....	4.1	6.3	83.7	5.9
550.....	8.0	7.2	79.0	5.8
655.....	12.5	6.2	73.7	7.6

TABLE IX.

Carbonized Residue—Lignite Carbonization.

Temperature.	Yield of coal as charged.	Water in coal as charged.	Ash content.	Calorific value.	
				Calories per gram.	B. Th. U. per lb.
Rapid heating—	%	%	%		
350°C.....	59.2	32.3	15.6	6195	11150
400.....	53.8	31.9	15.0	6564	11815
475.....	48.8	31.6	15.9	6727	12110
555.....	45.5	31.8	16.9	6882	12390
605.....	44.2	31.2	17.6	6845	12320
690.....	41.3	33.0	20.1	6729	12110
Rapid heating, no lead bath—					
750-800°C.....	40.2	33.7	16.3	6815	12270
Rapid heating, dried coal—					
550°C.....	68.0	2.3	18.4	6848	12325
Rapid heating, dried coal, no lead bath—					
750-800°C.....	64.4	1.5	26.4	6495	11690
900-950.....	63.1	2.2	19.8	6566	11720
Slow heating—					
450°C.....	49.5	33.1	16.9	6645	11960
550.....	44.4	34.0	18.5	6895	12410
655.....	42.3	33.6	18.5	6790	12220

TABLE X.

Tar Results—Lignite Carbonization.

Crude tar oil.			Dried tar oil.				
Temperature.	Water content.	Density.	Yield per 2000 lbs. dry coal.	Calorific value B. Th. U. per lb.	Distillation results.		Pitch as per cent of carbonized residue.
					Up to 310°C.	Pitch residue.	
	%		gals.		%	%	%
Rapid heating—							
400°C	1.5	0.98	6.0	17,260	60.9	38.1	1.4
475	7.7	0.99	7.9	17,250	55.6	42.9	2.3
555	9.4	1.00	7.5	17,040	64.2*	34.7*	1.9
605	3.3	1.00	8.1	17,030	53.7	43.4	2.7
690	5.2	1.00	7.3	16,970	65.2	32.5	2.0
Rapid heating, no lead bath—							
750-800°C	22.8†	1.01	5.8	17,100	42.6	57.1	2.7
Rapid heating, dried coal—							
550°C	2.3	0.97	6.9	17,410	58.6	40.7	2.0
Rapid heating, dried coal, no lead bath—							
750-800°C	31.0†	0.98	4.6	17,130	42.0	56.5	1.9
900-950	31.3†	0.99	4.2	17,280	40.5	58.7	1.9
Slow heating—							
450°C	9.6	0.99	7.8	17,110	62.7	36.2	1.9
550	1.8	0.99	8.9	17,020	60.5	38.3	2.5
655	6.6	0.99	7.6	17,560	60.0	38.5	2.3

*Cut at 325°C.

†Small scale experiment, fractional condensation of tar not employed.

SESSIONAL PAPER No. 26a

TABLE XI.

Gas Results—Lignite Carbonization.

Temperature.	Yield per 2000 lbs. dry coal.	Calorific value B. Th. U. per c. f.		Density.	Combustible gas.		Average.
		gross.	net.		Holder (1)	Holder (2)	
	c. f.				%	%	%
Rapid heating—							
350°C	870	180	170	1.22	28	.....	28
400	1740	215	195	1.24	29	.....	29
475	2950	355	320	0.96	46	.....	46
555	4590	385	345	0.94	49	70	55
605	5530	405	365	0.86	52	75	61
690	7320	415	375	0.79	51	82	67
Rapid heating, no lead bath—							
750-800°C	8340	369	330	0.69	65	.....	65
Rapid heating, dried coal—							
550°C	4490	355	320	1.02	36	67	49
Rapid heating, dried coal, no lead bath—							
750-800°C	7350	373	335	0.81	43	75	63
900-950	9085	381	341	0.71	58	83	73
Slow heating—							
450°C	2560	340	310	1.17	39	.....	39
550	4170	405	370	0.98	33	69	53
655	6320	420	380	0.83	46	80	64

TABLE XII.

Products obtained per short ton of different lignites from the Estevan Area,
Carbonized at 575-600°C.

Results computed to a basis of coals containing 33 per cent water and 7 per cent ash.

Coal.	Carbonized residue.		Gas.		Ammonium sulphate.	Tar oils, imperial.	Available binder.
	Weight.	Calorific value.	Volume.	Calorific value.			
	lbs.	B. Th. U. per lb.	cub. ft.	B. Th. U. per cub. ft.	lbs.	gallons.	%
A	870	12800	3260	415	11.1	6.9	3.6
B	866	12700	3340	410	11.8	6.4	2.9
C	874	12700	3320	380	11.1	4.2	2.2
D	879	12750	3310	410	12.0	4.9	2.1
E	880	12600	3210	385	11.6	5.0	2.3
El	851	11010	3230	300	11.2	3.4	.....

NOTE.—The above figures were calculated from experimental results on coals with varying water and ash contents. Sample El was outcrop coal.

V.

REPORT OF MECHANICAL WORK AT FUEL TESTING STATION.

B. F. HAANEL, Esq.,

Chief of Fuels and Fuel Testing Division.

Dear Sir,—I herewith submit Summary Report for Fiscal year ending March 31, 1919, of the Mechanical Division of the Mines Branch, Department of Mines.

Special attention is drawn to the number of experimental machines and apparatus for the different divisions, most noteworthy being that of the Fuel Testing Division for which the following machines and apparatus were designed and constructed: a rotary retort to be used in connexion with lignite investigation; two new wood turning lathes not yet completed; three double door aluminium desiccators nearing completion; and three special mercury winches to be used in connexion with mine air investigation.

There has also been a number of special pieces of apparatus designed and constructed in connexion with the experimental work of the Fuel Testing Division and the Ore Dressing Laboratories, which have demanded considerable time in designing and making, as such apparatus, being impossible to purchase, presents problems which are not met with in routine work.

Miscellaneous small jobs in connexion with the experimental work of the other Divisions of the Mines Branch were also designed and completed by our mechanical staff, either in the machine shops at the Fuel Testing Station, or at the Sussex Street building.

All of which is respectfully submitted.

(Signed) A. W. Mantle,
Mechanical Superintendent.

SUMMARY COST STATEMENT OF LABOUR COMPLETED, AND MATERIAL USED, DURING THE FISCAL YEAR ENDING MARCH 31, 1919.

	Labour.	Material.
Ore Dressing Division.	\$2,200 63	\$1,012 10
Chemistry Division.	1,145 86	520 78
Fuel Testing Division.	801 95	85 68
General, Mines Branch.	356 96	49 40
Ceramic Division.	84 09	15 62
Non-metals Division.	267 84	35 02
Metalliferous Division.	10 77	0 32
Total.	<u>\$4,868 10</u>	<u>\$1,718 92</u>

SESSIONAL PAPER No. 26a

ORE DRESSING AND METALLURGICAL DIVISION.

I.

REPORT OF PROGRESS.

G. C. MACKENZIE, *Chief of Division.*

While the writer gave general supervision to the work of this Division, he devoted the most of his time to his secretarial duties in connexion with the Canadian Munition Resources Commission, and left the actual operation of the ore testing laboratories to his first assistant engineer, Mr. W. B. Timm.

Mr. C. S. Parsons resigned his position as second assistant engineer in May, and the vacancy thus created remained unfilled to the end of the calendar year.

The Division continued to act as samplers and assayers for the Imperial Munitions Board as explained in the last Summary Report, but as the Board purchased very little molybdenite or ferro-molybdenum after January 1, 1918, this work was much lighter than it had been during the previous year.

The practice of milling molybdenite ores on a custom basis was discontinued after the 1st of August, principally because the urgent demand for this mineral by the British Government has ceased and also on account of the interference such commercial work caused with the routine testing work of the laboratories. The concentration of several large bulk samples of molybdenite ore was, however, undertaken on the basis of test work.

PRODUCTION OF MOLYBDENITE CONCENTRATES.

DEPARTMENT OF MINES, ORE DRESSING LABORATORIES, OTTAWA, CANADA.

For year ending December 31, 1918.

Shipper.	Locality.	Crude Ore Received.	MoS ₂ .	Content MoS ₂ .	Recovery.	MoS ₂ Recovered
		Lbs.	p.c.	Lbs.	p.c.	Lbs.
*Barton, Jas. W.	Nett Lake, near Timagami Station, T. & N.O. Ry.	1,212·0	8·42	102·05		
*Bertram, H. A.	Tippings Farm, south half lots 4 & 5, Clarendon Tp., Pontiac Co., Que.	19,582·0	·27	52·57		
Bancroft Mining Co.	Bancroft, Ont.	694·5	4·19	29·10		
*Burchill, H. C.	New Ross, Lunenburg Co., N.S.	40,684·0	·49	198·132		
Cole, J. E.	Sunset Mine, Dacre, Ont.	39,561·5	2·64	1042·77		
Day, James F.	Near Haley's Station, Renfrew Co., Ont.	2,579·0	1·97	50·80		
Dunright, John	Leminster, Hants Co., N.S. .	376·0	1·08	4·06		
International Molybdenum Company.	Lots 16 & 17, Con. xi. Brougham Tp. Renfrew Co., Ont.	89,349·0	1·84	1509·483		
Lillico, R. J.	Lots 14 & 15, Con. xii. Mounmouth Tp., Haliburton Co., Ont.	203,996·5	·533	1088·35		
*New Hazelton Gold-Cobalt Mines Ltd.	New Hazelton, B.C.	53,228·0	1·40	745·19	86·7	12,819·056
Ryan, W. J.	Timothy Mountain, 25 miles N.E. from Lac La Hache, close to 25° parallel, Lilloet Division, Northern Division, B.C.	761·0	29·99	228·23		
Schreiner, J. C.	Ashdod, Ont.	37,928·0	0·45	170·68		
Spain, W. J.	Lots 31 & 32, Con. v., Lot 31, Con. iv. Griffith Tp., Renfrew Co., Ont.	66,390·0	2·10	1394·19		
*Standard Molybdenite Co.	Maniwaki, Que.	24,985·0	0·40	107·085		
Taylor, A. W.	Ashdod, Ont.	118,722·5	5·68	6760·58		
Williams & Ruffner.	Rossland, B.C.	5,426·0	14·63	793·02		
Wood, O. E. & Company.	Squaw Lake, Que.	692·0	71·85	497·081		

17 Shippers shipped 706,167 lbs Crude Ore at 2·09 p.c. containing 14,773·37 lbs MoS₂.

NOTE.—The shipments marked with * are experimental tests.

II.

ORES TESTED AND REPORTS THEREON.

W. B. TIMM, *Assistant Engineer*; C. S. PARSONS, *Assistant Engineer*.

The following ores have been tested and reports made thereon during the calendar year, 1918:—

No. of Test.	Ore or Rock.	Locality.	Shipper.	Weight.	
				Ton	Lb.
75	Titaniferous iron ore.....	St. Urban, Que.....	Titanic Iron Co., Quebec, Que.....	1 car	load.
76	Molybdenite ore.....	New Ross, N.S.....	H. C. Burchell, Windsor, N.S.....	20	
77	"	Kakabeka Falls, Ont.....	F. R. Aufhammer		270
78	Copper ore.....	Ikeda Bay, B.C.....	A. Ikeda, Ikeda Bay, B.C.....		350
79	Manganese ore.....	Walton, Hants Co., N.S.	Canadian Munition Resources Commission	22	
80	Molybdenite ore	Alice Arm, B.C.....	International Molybdenum Co., Renfrew, Ont.....		1,145
81	"	Rossland, B.C.....	Williams & Ruffner, Rossland, B.C.	1	1,520
82	"	Nett Lake, Ont.....	Jas. W. Barton, Toronto, Ont		1,230
83	Molybdenite Gold-Cobalt ore.....	New Hazelton, B.C.....	New Hazelton Gold-Cobalt Mines, Ltd		870
84	Zinc-lead ore.....	Carmacks, Y.T.....	Dr. A. W. G. Wilson, Mines Branch.		3
85	Graphite.....	Buckingham, Que.....	New Quebec Graphite Co., Ltd., Buckingham, Que.....		200
86	Molybdenite.....	Haley's Station, Ont	J. F. Dav, Sudbury, Ont.....	1	601
87	Gold ore	Lake Aylmer, Que	Chas. J. Wallich, Detroit, Mich.....		238
88	Pyrites	English, Ont.....	Robt. Gamble, Ottawa, Ont.....		460
89	Gold ore.....	Sudbury, Ont.....	J. S. Black, Sudbury, Ont.....		220
90	Tungsten ore.....	Dublin Gulch, Y.T.....	Frank Cantin, Dublin Gulch, Y.T.....		354
91	Molybdenite.....	Hull, Que	Canadian Wood Molybdenite Co., Ottawa, Ont	29	
92	"	Loon Lake, Ont.....	J. A. Johnston, Loon Lake, Ont.....		502
93	"	Campbell's Bay, Que.....	H. Leger, Campbell's Bay, Que.....		759
94	Manganese.....	Bathurst, N.B.....	W. F. C. Parsons, Bathurst, N.B		10
95	Ferro-molybdenum slag..	Belleville, Ont.....	Tivani Electric Steel Co., Belleville, Ont.....	38	
96	Manganese.....	Gowland Mountain, N.B.	Dr. Hays, Geological Survey.....		10
97	Molybdenite.....	Hull, Que.....	Wood Molybdenite Co., Ottawa, Ont.....		150
98	Titaniferous iron ore.....	.....	Dr. W. L. Goodwin, Kingston, Ont.....		275
99	Molybdenite.....	Masham, Que.....	Wood Molybdenite Co., Ottawa, Ont.....	1	85
100	Manganese.....	Bathurst, N.B	O. Turzeon, Bathurst, N.B.....		25
101	Tungsten.....	Eureka, N.S.....	Geo. A. Cameron, Eureka, N.S.....		1,967
102	Graphite.....	Lachute.....	Thos. H. Rae, Lachute, Que.....		300
103	" .....	.....	Jas. H. Mason, Toronto, Ont.....		50
104	Tungsten	Yukon Territories.....	D. E. Clindinin, Dawson, Y.T.....		1,293

Test No. 75.

A carload of titanite iron ore, "ilmenite," from St. Urbain, Quebec, was received from the Titanic Iron Co., Quebec city.

A 50-pound sample was picked from the carload and crushed to 50 mesh. This sample gave an analysis of:—

Fe.....	37.62 per cent.
TiO ₂	40.49 "

SESSIONAL PAPER No. 26a

It was run through the Ullrich magnetic separator with the rings raised three-fourths inch from the feed plate and with a magnetic field of 4 amperes, 110 volts, giving the following products:—

Magnetic—		
Weight.	4.0	pounds.
Analysis—Fe.	38.81	per cent.
TiO ₂	39.88	“
Non-magnetic—		
Weight.	44.0	pounds.
Analysis—Fe.	37.52	per cent.
TiO ₂	40.70	“

A larger sample was crushed to 35 mesh, .0164-inch aperture, and run through the separator with the rings stepped, the outer ring three-fourths inch from feed plate, second ring five-eighths inch, third ring one-half inch, and inner ring three-eighths inch. The product from each ring was weighed and sampled separately. A magnetic field of 10 amperes, 110 volts, was carried on the machine. The weights and analyses of the products are given in the following table:—

Product.	Weight.	Analysis.	
		% Fe.	% TiO ₂ .
	Lbs.		
Ring No. 1.	0.75	38.62	36.63
" 2.	0.50	42.05	33.18
" 3.	27.50	39.63	41.55
" 4.	304.50	39.63	41.55
Middling.	34.00	37.51	38.55
Tailing.	96.50	34.57	35.66

Conclusions.—From the above results it will be seen that a separation of the iron and titanium cannot be made by any mechanical means of ore dressing. The ore is an ilmenite, the titanium being chemically combined with the iron so that in raising the iron content the titanium content is also raised and vice versa.

Test No. 76.

NEW ROSS MOLYBDENITE ORE.

A carload of molybdenite ore was received on March 27 from H. C. Burchell, Windsor, N.S. This carload contained 122 barrels in two lots, marked X and XX, taken from two different points on the property, and in both cases the ore was supposed to be the run-of-mine.

Lot X.	40 barrels.
Gross weight.	15,048 pounds.
Net weight.	13,854 “
Moisture.	0.96 per cent.
Dry weight.	13,721 pounds.
Analysis—MoS ₂	0.54 per cent.
MoO ₃	trace.
Cu.	0.08 per cent.
Content—MoS ₂	74.0934 pounds.
Lot XX.	82 barrels.
Gross weight.	29,762 pounds.
Net weight.	27,260 “
Moisture.	1.09 per cent.
Dry weight.	26,963 pounds.
Analysis—MoS ₂	0.46 per cent.
MoO ₃	trace.
Cu.	0.08 per cent.
Content—MoS ₂	124.0298 pounds.

The ore consists of molybdenite of the flake variety in quartz with a small amount of the granite wall rock. A very small amount of iron and copper sulphides, and mica is present.

Preliminary Test.

Several of the barrels were opened and some pieces of the ore were taken from each to make up a sample for a small test on the laboratory Callow testing machine.

This sample was first crushed to 20 mesh and a sample taken for analysis. The remaining portion was cut into two lots; one was crushed to 30 mesh and the other to 40 mesh.

The analysis of this sample showed it to contain:—

MoS ₂ —0.36 per cent.	
Test No. i—30-mesh material.	
Ore.	1,000 grams.
Oil.	Pine oil $\frac{1}{2}$ pound to ton of ore.
	Coal oil $\frac{1}{4}$ pound to ton of ore.

Mixed in small pebble jar for 10 minutes before adding to the machine. Only the tailing from this test was analysed.

This gave MoS ₂ —0.04 per cent.	
Test No. ii—40-mesh material.	
Ore.	1,000 grams.
Oil.	Pine oil $\frac{1}{2}$ pound to ton of ore.
	Coal oil $\frac{1}{4}$ pound to ton of ore.

Mixed in small pebble jar for 10 minutes before adding to the machine.

Concentrate obtained.	3.1 grams.
MoS ₂	63.45 per cent.
Content.	1.967 grams.
Recovery.	71 per cent.
Milling obtained.	32 grams.
MoS ₂	1.01 per cent.
MoS ₂	0.011 grams.
Percentage of MoS ₂ values.	22 per cent.
Tailing obtained.	964.9 grams.
MoS ₂	0.02 per cent.
Content.	0.193 grams.
Loss.	7 per cent.

Figuring on a recovery of 70 per cent of the MoS₂ values in the middling, this would give a total recovery of the molybdenite values in the crude ore of 80 per cent.

Large Scale Test.

The method of crushing and concentration adopted on the carload lot was as follows:—

The ore was first crushed in the jaw crusher with the jaws set at 1" opening, and the crushed ore fed by a push feeder which delivered it to an elevator which discharged into a Vezin sampler where one-tenth of the ore stream was cut out, the main flow travelling down a chute to the Hardinge ball mill. Here the oil was fed so as to become thoroughly emulsified in the mill. From the ball mill, the pulp flowed down a launder to a 3" centrifugal pump which delivered it on to a Callow screen. The screen used was a 35-mesh ton-cap screen. The oversize from the screen was returned to the mill, the undersize went direct to the Callow rougher cell. This method was changed during the run due to trouble encountered by the presence of foreign oils which would get into the circuit at times and kill the froth on the cells. This oil presumably came from the ore. The undersize from the screen flowed into a Callow cone tank where a slight washing action was given the pulp. From the cone tank the thickened pulp was drawn to an elevator and the elevator discharged into a launder where the density of the pulp was regulated by the addition of water, and this launder delivered it to the Callow rougher cell. In this case the coal oil was added to the ball mill, the pine oil to the boot of the elevator. The tailings from the rougher cell were pumped to the waste dump after being sampled. The rougher concentrates were reconcentrated in the cleaner cell.

SESSIONAL PAPER No. 26a

Both lots were sampled separately but the concentrates were allowed to collect together.

The tailing analysis of lot X was 0.17 per cent MoS_2 , giving a recovery on this lot of 68.7 per cent.

The tailing analysis of lot XX was 0.15 per cent MoS_2 , giving a recovery on this lot of 67.5 per cent.

185 pounds of concentrates were obtained from the whole shipment with an analysis of 72.75 per cent MoS_2 .

Conclusions.—The ore is an ideal one, since it is easily crushed and easily concentrated. The results obtained from the small preliminary test are more in accord with what could be obtained in actual practice than the large test, due to our trouble with foreign oil in the circuit. On an ore of this class of a grade 0.5 per cent MoS_2 a recovery of the molybdenite values of 85—90 per cent should be looked for, while with the cells working properly, a concentrate of 85 per cent MoS_2 grade should be obtained.

Test No. 77.

MOLYBDENITE ORE FROM KAKABEKA FALLS.

A sample of 270 pounds of molybdenite ore was received on March 27, 1918, from F. R. Aufhammer. This ore was supposed to represent the run-of-mine from a molybdenite property at Kakabeka Falls, Ont.

The molybdenite is of the amorphous variety in a quartz gangue. A small amount of iron and copper sulphides is present.

The sample was crushed to 10 mesh. It was cut down in a Jones sampler and a portion crushed to pass 80 mesh and another portion to pass 100 mesh. Both the 80-mesh and 100-mesh samples were analysed.

80-mesh material—

MoS ₂	1.29 per cent.
Cu	0.05 "
Bi	absent.
As	trace.

100-mesh material—

MoS ₂	1.25 per cent.
Cu	0.04 "
Bi	absent.
As	trace.

A series of small laboratory tests were made on the Callow machine.

Test No. i—80-mesh material.

Ore	1,000 grams.
Oil mixture	Pine oil— $\frac{1}{2}$ pound to ton of ore. Coal oil—1 pound to ton of ore.

Mixed in small pebble jar for 10 minutes before adding to the machine.

Concentrate	23.2 grams.
MoS ₂	33.65 per cent.
Content	7.8068 grams.
Recovery	69.0 per cent.
Middling	60.4 grams.
MoS ₂	2.63 per cent.
Content	1.58852 grams.
Percentage MoS ₂ values	14.0 per cent.
Tailing	916.4 grams.
MoS ₂	0.21 per cent.
Content	1.9236 grams.
Loss	17.0 per cent.

Figuring on a recovery of 70 per cent of the molybdenite values in the middling, the above test would show a recovery of 79 per cent of the molybdenite values in the ore.

Test No. ii—80-mesh material.

Ore.....	1,000 grams.
Oil mixture.....	Pine oil— $\frac{1}{2}$ pound to ton of ore. Hardwood creosote— $\frac{1}{4}$ pound to ton of ore. Coal oil—2 pounds to ton of ore.

Mixed in pebble jar for 10 minutes before adding to the machine.

Concentrate.....	16.5 grams.
MoS ₂	33.65 per cent.
Content.....	5.55225 grams.
Recovery.....	53.8 per cent.

NOTE.—This concentrate was obtained by screening the original concentrate from the machine on a 100-mesh screen.

1st middling.....	8.7 grams.
MoS ₂	21.83 per cent.
Content.....	1.89921 grams.
Percentage MoS ₂ values.....	18.4 per cent.

NOTE.—This middling was obtained by screening the original concentrate on 100-mesh screen.

2nd middling.....	151.3 grams.
MoS ₂	1.09 per cent.
Content.....	1.64917 grams.
Percentage MoS ₂ values.....	16.0 per cent.
Tailing.....	823.5 grams.
MoS ₂	0.15 per cent.
Content.....	1.23525 grams.
Loss.....	11.8 per cent.

Figuring on a recovery of 70 per cent of the MoS₂ values in the middling, the above test would show a recovery of 83.4 per cent of the molybdenite values in the ore.

Test No. iii—100-mesh material.

Ore.....	1,000 grams.
Oil mixture.....	Pine oil— $\frac{1}{2}$ pound per ton of ore. Coal oil—1 " " "

Mixed in pebble jar for 10 minutes before adding to the machine.

Concentrate.....	24.5 grams.
MoS ₂	27.20 per cent.
Content.....	6.664 grams.
Recovery.....	61.6 per cent.
Middling.....	103.8 grams.
MoS ₂	2.09 per cent.
Content.....	2.16942 grams.
Percentage MoS ₂ values.....	20.0 per cent.
Tailing.....	871.7 grams.
MoS ₂	0.23 per cent.
Content.....	2.0049 grams.
Loss.....	18.4 per cent.

Figuring on a recovery of 70 per cent of the MoS₂ values in the middling, the above test would show a total recovery of 75.6 per cent of the molybdenite values in the ore.

Test No. iv.—A portion of the 100-mesh material was ground to pass 150 mesh.

Ore.....	1,000 grams.
Oil mixture.....	Pine oil— $\frac{1}{2}$ pound per ton of ore. creosote— $\frac{1}{4}$ pound per ton of ore. Coal oil—2 pounds per ton of ore.
Concentrate.....	3.75 grams.
MoS ₂	49.95 per cent.
Content.....	1.873 grams.
Recovery.....	18.0 per cent.

NOTE.—This concentrate was obtained by screening original concentrate on 100-mesh screen.

SESSIONAL PAPER No. 26a

1st middling..	5.0 grams.
MoS ₂	30.53 per cent.
Content..	1.5265 grams.
Percentage MoS ₂ values..	14.7 per cent.

NOTE.—This middling was obtained by screening original concentrate on 100-mesh screen.

2nd middling..	52.25 grams.
MoS ₂	5.33 per cent.
Content..	2.7849 grams.
Percentage MoS ₂ values..	26.7 per cent.
Tailing..	939 grams.
MoS ₂	0.45 per cent.
Content..	4.2255 grams.
Loss..	40.6 per cent.

Figuring on a recovery of 70 per cent of the MoS₂ values in the middling, the above test would show a total recovery of 51.4 per cent of the molybdenite values in the ore.

Conclusions.—From former tests on this ore it was proven that it should be crushed to 80 mesh to obtain a low tailing and the above tests prove that no better tailing can be obtained by finer crushing.

The concentrates on examination show that the molybdenite is not all freed from the gangue at 80 mesh, hence a low grade concentrate will be obtained.

The better method of procedure with this class of ore would be to grind to 80 mesh to secure a low tailing; regrind the concentrates, and reconcentrate them to obtain a high grade molybdenite product.

Test No. 78.

COPPER ORE FROM IKEDA BAY, B.C.

A shipment of 5 bags, 350 pounds of the ore, was received on September 5, 1917, from Mr. A. Ikeda, Ikeda bay, B.C.

The ore consisted of chalcopyrite in heavy dark gangue, associated with iron pyrites and magnetite. The ore contained silver and gold values.

An analysis of the sample was as follows:—

Copper..	1.18 per cent.
Silver..	1.36 oz. per ton.
Gold..	0.04 " "

Oil flotation was the method of treatment adopted.

Test No. i.—The ore was crushed to pass 50 mesh and concentrated in a set of laboratory size Callow cells. The test resulted in obtaining a concentrate running 11.46 per cent copper with a recovery of 86.00 per cent of the copper values assuming that it would be possible to recover 70 per cent of the content of the middling.

The oil used in this test was a mixture containing 10 per cent coal tar, 50 per cent coal tar creosote and 40 per cent heavy hardwood creosote oil. The amount used was approximately 1.5 lbs. per ton. The condition of the pulp was neutral.

Test No. ii.—The sample was crushed to pass 80 mesh and floated as in test No. i. A concentrate was obtained running 11.00 per cent copper with a recovery of 90 per cent, assuming as in test No. i that 70 per cent of the content of the middling is recoverable.

Test No. iii.—The sample was crushed to pass 100 mesh and floated as in the two previous tests.

This test resulted in a concentrate containing 7.55 per cent of copper and 0.25 oz. of gold, with a recovery of 87.2 per cent of the copper and 95.5 per cent of the gold, assuming as before that 70 per cent of the content of the middling is recoverable.

Test No. iv.—This sample was crushed to pass 80 mesh and treated under the same conditions as in test No. iii. A concentrate was obtained analysing 8.75 per cent copper and 0.30 oz. of gold with a recovery of 92 per cent of the copper and 77.0 per cent of the gold.

Conclusions.—The results obtained in the above tests are tabulated in table No. I. The assumption that 70 per cent of the values in the middling is recoverable is fair and if anything a low estimate. In practice, the middling would naturally be returned to the flotation circuit, or in some cases to the crushing circuit after dewatering.

These tests show a remarkably high extraction of both the copper and gold values and there is no doubt that in actual practice a higher grade concentrate could be obtained with a similar extraction.

The tests would also indicate that the ore should be crushed to around 80 mesh in order to obtain a high recovery of the gold but it is possible that large scale operation may prove that a coarser product can be successfully treated.

TABLE No. I.

Test No.	Mesh.	Heads.			Concentrates.			Middlings.			Tailings.			Extraction assuming 70% recovery of content of middling.	
		Grams Wt.	Cop-per P.C.	Au oz.	Grams Wt.	Cop-per P.C.	Au oz.	Grams Wt.	Cop-per P.C.	Au oz.	Grams Wt.	Cop-per P.C.	Au oz.	Copper	Gold
i	50	1000	1.0	0.01	72	11.50	....	82.5	0.76	....	845.5	0.15	....	86	
ii	80	1000	1.0	0.04	80	11.00	..	116.0	0.30	....	804.0	0.12	....	90	
iii	100	1000	1.0	0.04	104	7.50	0.25	204.0	0.65	0.06	692.0	0.12	tra- ce.	87.0	95.5
iv	80	1000	1.0	0.037	90	8.70	0.30	90.0	1.00	0.02	820.0	0.17	0.01	92.0	77.0

Test No. 79.

HANTS COUNTY, N.S. MANGANESE ORE.

A shipment of 160 barrels of manganese ore was received December 24, 1917, from the property of E. Chisholm, Walton, Hants Co., N.S. This shipment was submitted through the Munition Resources Commission, Ottawa, Ont.

The ore was pyrolusite and manganite in sandstone, some of which was fairly coarsely crystalline, freeing at about 30 mesh, gradually grading to finely crystalline and disseminated through the sandstone.

Net weight of ore received.....	47,045.5 pounds.
Moisture.....	4.88 per cent.
Dry weight of ore received.....	44,749.5 pounds.
Analysis—Mn.....	12.90 per cent.
Fe.....	5.11 "
SiO ₂	69.09 "
P.....	0.017 "
Content — Mn.....	2,772.68 pounds.
Fe.....	22,286.76 "

The products desired were a commercial manganese concentrate; a chemical product, high in manganese (over 50 per cent), low in iron and silica; and a metallurgical product suitable for conversion into ferro-manganese in the blast or electric furnace.

SESSIONAL PAPER No. 26a

The method of investigation adopted was one of careful crushing and sizing and the concentration of the sized material to determine to what point crushing would have to be carried to obtain a high grade concentrate and what further treatment would be necessary to recover the manganese values.

The ore was crushed in a jaw crusher set at 1-inch opening, elevated to ore bins and fed by a push feeder to a set of rolls set at $\frac{1}{2}$ -inch opening. From the rolls the ore passed through a Vezin sampler where one-tenth of the feed was cut out, thence to a dryer and to storage bins. From the storage bins the ore passed to a Traylor ball mill crushing to 18 mesh; from the ball mill to a Keedy sizer where five sizes were made. Each size was run over a concentrating table and the product re-treated where necessary.

WEIGHTS AND ANALYSES OF SIZED ORE.

Size.	Dry Weight.	Analysis.		Content.	
		Lbs.	% Mn.	% Fe.	Lbs. Mn.	Lbs. Fe.
+ 28	2,578.5	16.16	7.78	416.6856	200.6073
- 28 + 42	1,839.0	15.34	6.80	282.1026	125.0520
- 42 + 62	6,700.0	12.87	6.19	862.2900	414.7300
- 62 + 86	8,896.0	10.36	4.07	921.6256	362.6672
- 86	24,736.0	13.26	4.64	3,279.9936	1,147.7504
Totals and averages...	44,719.5	12.88	5.03	5,762.6974	2,250.2069

FIRST CONCENTRATION.

Size.	Dry Wt.	Analysis.					Content.	
		Lbs.	% Mn.	% Fe.	% SiO ₂	% P.	% S.	Lbs. Mn.	Lbs. Fe.
+ 28	275.0	39.34	6.62	26.78	.....	.....	108.1850	18.2050
- 28 + 42	488.0	34.66	7.20	32.58	.....	.....	169.1408	35.1360
- 42 + 62	412.0	38.85	4.80	27.66	.....	.....	160.0620	19.7760
- 62 + 86	363.0	51.68	4.41	9.35	.....	.....	187.5984	16.0083
	111.0	45.99	6.18	14.66	.....	.....	50.9490	6.8598
- 86	465.0	51.80	4.14	9.45	.....	.....	240.8700	19.2510
	1,471.0	45.02	6.86	13.41	.....	.....	662.2442	100.9106
Totals and averages.....	3,585.0	44.04	6.03				1,579.0494	216.1467

On sizes + 28, - 28 + 42 and - 42 + 62 a concentrate and middling were made, both of which were reground and re-treated as the pyrolusite was not freed.

On sizes - 62 + 86 and - 86, a final concentrate practically pure pyrolusite, a second concentrate lower grade of pyrolusite and manganite, a middling to be re-treated and a tailing were made.

The total middlings from the first concentration were reground to 60 mesh (this mesh corresponding closely to Tyler standard) in a ball mill and reconcentrated. A concentrate, a middling held and a tailing to waste were made.

The first concentrate made from sizes + 28, - 28 + 42, and - 42 + 62 was reground to 35 mesh (Tyler's standard) and reconcentrated. A concentrate, a middling held and a tailing to waste were made.

The following tables give the results obtained from the treatment of this shipment of ore:—

Table showing Weights and Analyses of Concentration Products.

Size.	Weights and Analyses of Sized Ore.						Concentrates Made.					
	Dry Wt.			Content.			Dry Wt.			Content.		
	Mn.	Fe.	Mn.	Lbs.	%	Fe.	Lbs.	%	Mn.	Fe.	Mn.	Fe.
+28	Lbs.	2578.5	16.16	7.78	416.6856	200.0073	Lbs.	275.0	39.34	6.62	Lbs.	108.1850
-28 +42	Lbs.	1839.0	19.34	6.80	862.1026	125.0520	Lbs.	488.0	34.66	7.20	Lbs.	169.1408
-42 +62	Lbs.	6700.0	12.87	6.19	282.2900	414.7300	Lbs.	412.0	38.85	4.80	Lbs.	160.0620
-62 +86	Lbs.	8806.0	10.36	4.07	921.6256	362.0672	Lbs.	363.0	51.68	4.41	Lbs.	187.5684
-86	Lbs.	24736.0	13.26	4.64	3279.9836	1147.7504	Lbs.	465.0	51.80	6.18	Lbs.	50.9490
Totals and Averages..	Lbs.	44749.5	12.88	5.03	5762.6974	2250.2069	Lbs.	3585.0	41.046	6.03	Lbs.	1579.0494
Re-treatment of Middlings.....	Lbs.	20048.0	11.44	5.30	2293.4912	1062.5440	Lbs.	1480.0	36.01	13.20	Lbs.	532.9480
Re-treatment of 1st Concentrates..	Lbs.	1175.0	37.22	6.22	437.3878	73.1170	Lbs.	935.0	38.95	6.40	Lbs.	364.1830

NOTE.—The above meshes referred to are a special mesh size used for screening and do not correspond to any standard.

Dry Wt.	Analysis.			Content.			Dry Wt.	Analysis.			Content.		
	Mn.	Fe.	Mn.	Lbs.	%	Fe.		Mn.	Fe.	Mn.	Lbs.	%	Fe.
	Lbs.	2303.5	13.39	7.92	308.5006	182.4023		89.9160	Lbs.	5584.0	20.08	7.58	Lbs.	1121.2980
Lbs.	1351.0	8.36	6.656	112.9618	79.9160	394.9540	Lbs.	5917.0	18.18	6.49	Lbs.	1075.7322	
Lbs.	6288.0	11.168	6.28	702.2280	394.9540	394.9540	Lbs.	100.0	50.11	4.29	Lbs.	50.1058	
Lbs.	10165.5	11.576	3.91	1169.8008	395.2717	768.8588	Lbs.	5584.0	20.08	7.58	Lbs.	423.2189	
Lbs.	20048.0	11.44	5.30	2293.4912	1062.5440	768.8588	Lbs.	5584.0	20.08	7.58	Lbs.	423.2189	
Lbs.	145.0	19.48	9.80	28.246	14.210	656.565	Lbs.	5917.0	18.18	6.49	Lbs.	383.999	
Lbs.	140.0	16.50	6.42	23.10	8.988	No Tailings Made.	Lbs.	100.0	50.11	4.29	Lbs.	4.280	

Middlings Made.—Held for Re-treatment.

Tailings to Waste.

Slime and Handling Loss.

SESSIONAL PAPER No. 26a

Summary and Tabulation of Final Products.

Final Concentrates										Middlings Held	Tailings to Waste	Slime and Handling Loss.
Dry Wt. Lbs.	Analysis											
	% Mn	% Fe	% SiO ₂	% P	% S	% CaO	% MgO	Content Lbs. Mn	Recovery of Mn values	Dry Wt.	Analysis—	Dry Wt., 11691 Lb.
465	51.80	4.14	9.45	0.232	0.635			240.8700	4.18	28038.5 Lb.	Analysis—	Dry Wt., 11691 Lb.
263	51.68	4.11	9.35	0.172	0.385			187.5984	3.26	Analysis—	Mn—19.37 %	
111	45.90	6.18	14.66					50.9490	0.88	Mn—5.08.	Fe— 6.939 %.	
1471	45.02	6.86	13.41	0.037	0.033			662.2442	11.49	Content—	Content—	
435	38.95	6.40						364.1839	6.32	Mn—	Mn—	
1480	36.01	13.20	21.63					532.9480	9.25	1425.4288 Lb.	Loss Mn values—	
4825	42.251							2038.7326	35.38	Loss Mn values—	38.99 %.	
										0.89 %		
										24.74 %		

Conclusions.—From the above tables, it has been proven that it is necessary to crush the ore to about 40 mesh of the ordinary screen scale in order to free it and effect any kind of concentration. Crushing to this mesh, 10 to 12 per cent of the manganese values should be obtained of a grade 50 per cent Mn.

It will then be necessary to pass both the middling and tailing separately over a second set of tables where a concentrate and middling will be made in one case and a concentrate, middling and tailing in the other case. The concentrate made in both cases should be of a grade 45 per cent Mn., and represent a recovery of from 20 to 25 per cent of the manganese values in the crude ore; the middling would be re-treated and the tailing discarded.

The middling from this second concentration will have to be reground to from 60 to 80 mesh (ordinary screen scale) and reconcentrated. The middling from this third concentration should go over a second set of tables before returning to the regrinding circuit and the tailings from both sets of tables discarded. A concentrate of a grade 40 per cent Mn., with a recovery of 20 per cent of the manganese values in the crude should be obtained.

By the method of treatment outlined above it is possible to make commercial products on this ore and that it should be possible to make a recovery of between 50 and 60 per cent of the manganese values in the ore.

In the treatment of this ore at the testing laboratories the products had to be handled so often and in such a manner that the handling and slime loss was very high. With a proper installation, the handling loss would be nil and the slime loss eliminated to a large extent. From the above tables it will be noted that the actual loss in tailings sent to the waste dump contained 24.74 per cent of the manganese values in crude ore with an analysis of 5.08 per cent Mn. Allowing for a slime loss of 20 per cent of the Mn values in the crude ore the recovery would be 55 per cent.

Test No. 80.

ALICE ARM MOLYBDENITE ORE.

Supplementing our report of June 13, 1917, in which are contained the results of our small laboratory tests on Alice Arm molybdenite ore we made a regular mill test on this shipment with the following results:—

Net weight of ore treated.....	1,145 pounds.
Analysis—MoS ₂	1.67 per cent.
MoO ₃	0.07 “
Cu.....	0.17 “
Content — MoS ₂	19.1215 pounds.
Cu.....	0.19465 “

The ore was ground in the ball mill to 60 mesh. (A 60-mesh ton-cap screen used.)

Rate of feed.....	1 ton per hour.
Oil mixture.....	Coal oil— $\frac{1}{2}$ pound per ton of ore.
	Pine oil— $\frac{1}{2}$ pound per ton of ore.

A sample of the concentrates and tailings was taken every 10 minutes.

Concentrate.....	36 pounds.
Analysis—MoS ₂	44.50 per cent.
Cu.....	0.125 “
Content — MoS ₂	16.020 pounds.
Cu.....	0.045 “
Recovery—MoS ₂ values.....	83.7 per cent.
Cu.....	23.1 “
Tailing.....	1,109 pounds.
Analysis—MoS ₂	0.29 per cent.
Cu.....	0.013 “
Content — MoS ₂	3.2161 pounds
Cu.....	0.14965 “
Loss—MoS ₂ values.....	16.8 per cent.
Cu values.....	76.9 “

SESSIONAL PAPER No. 26a

Conclusions.—No trouble was experienced in the operation of the cells on this crude ore. An ideal froth was obtained on both rougher and cleaner cells, showing that the trouble experienced in our runs on two shipments of ground ore from the International Molybdenum Co., Renfrew, Ont., supposed to be for the most part of this ore, was not due to the nature of the ore itself, but rather to the fact of it being ground and allowed to stand and oxidize for a considerable time.

In the above test the grade of the concentrate is low and does not represent what could be secured in practice, as the cells were run so long to clean them up that the other sulphides were floated as well as the molybdenite. Owing to the nature of the ore however it does not seem probable that a grade much above 70 per cent MoS_2 would be made unless by regrinding the concentrate and refloating. By raising the grade of the concentrate the copper values would be reduced.

The tailings looked very clean as far as free flakes was concerned. It is doubtful whether any better tailing could be obtained, unless a little finer crushing was adopted.

Test No. 81.

MOLYBDENITE ORE FROM WILLIAMS AND RUFFNER, ROSSLAND, B.C.

A shipment of thirty-four bags of molybdenite ore was received on April 9 from Williams and Ruffner, Rossland, B.C.

The ore was high grade, of the flake variety, in quartz, with a small amount of iron and arsenical pyrites.

Gross weight of sample received.....	3,520 pounds.
Net weight of sample received.....	3,503 "
Moisture.....	2.28 per cent.
Net dry weight.....	3,423 pounds.
Analysis— MoS_2	10.54 per cent.
MoO_3	0.52 "
Pt.....	nil.
Au.....	trace.
Ag.....	trace.
Content— MoS_2	350.7842 pounds.
MoO_3	17.7996 "

A small scale test was first run on the laboratory Callow flotation machine. The moisture sample of the ore was crushed to pass 50 mesh; 1,000 grams were taken and mixed in a pebble jar for ten minutes with oil mixture—pine oil, $\frac{1}{2}$ pound to ton of ore, hardwood creosote, $\frac{1}{4}$ pound to ton of ore, and coal oil, 5 pounds to ton of ore. A little water was added. It was then added to the machine, from which the following products were obtained:—

Concentrate.....	153 grams.
Analysis.....	65.97 per cent MoS_2
Content.....	104.2326 grams MoS_2
Recovery.....	87.6 per cent.
Middling.....	136 grams.
Analysis.....	4.30 per cent MoS_2
Content.....	5.848 grams MoS_2
Percentage of MoS_2 values.....	4.9 per cent.
Tailing.....	706 grams.
Analysis.....	1.27 per cent MoS_2
Content.....	8.9662 grams MoS_2
Loss.....	7.5 per cent.

Figuring on a recovery of 70 per cent of the MoS_2 values in the middling, the total recovery would be 91 per cent of the molybdenum values in the ore. As this ore contains 0.52 per cent MoO_3 which would report in the tailings or lost in solution and not recoverable by flotation, the recovery of actual molybdenite values in the ore would be about 95 per cent.

Large Scale Test.—For the large scale test, the ore passed through the regular molybdenite circuit, namely, from the crusher to the ball mill, where the oil mixture was added and then to a Callow screen fitted with a 60-mesh ton-cap screen, the oversize returning to the mill, the undersize going direct to the flotation cells.

The following results were obtained:—

Concentrate.	
Weight.	487 pounds.
Analysis.	70.85 per cent MoS ₂
Content.	345.0395 pounds MoS ₂
Recovery.	95.7 per cent.
Tailing.	
Weight.	2,936 pounds.
Analysis.	0.53 per cent MoS ₂
Content.	15.5608 pounds MoS ₂
Loss.	4.3 per cent.

Conclusions.—The ore was found to be an ideal one for concentration by oil flotation. A high recovery was made, namely, 95.7 per cent. The grade of the concentrate was rather low, but this was due to having to continue the operation so long in order to clean up the flotation cells. In actual practice this would not occur and a higher grade concentrate would result.

Test No. 82.

NETT LAKE MOLYBDENITE ORE.

A shipment of 21 bags of molybdenite ore was received April 16, 1918, from Jas. W. Barton, Toronto, Ont.

This ore was obtained from a property at Nett lake, Ont., near the T. and N.O. railway and consisted of hand-cobbed ore.

The ore is of the flake variety, in quartz, associated with it is a small amount of iron and copper pyrites. A small amount of silver and gold values is present.

Gross weight received.	1,230 pounds.
Tare.	14 "
Net weight received.	1,216 "
Moisture.	0.322 per cent.
Dry net weight.	1,212 pounds.
Analysis—MoS ₂	8.42 per cent.
MoO ₃	0.24 "
Cu.	0.50 "
Ag.	0.29 oz.
Au.	0.03 "
Content — MoS ₂	102.0504 pounds.

A grab sample of this ore was taken as it was being crushed and sampled for analysis.

This sample was crushed to 50 mesh for a test on the laboratory flotation-machine. Flake representing 2 per cent MoS₂ was removed, being caught on the screen. A 1000 grams of the 50-mesh material was taken for a test.

Oil mixture added— $\frac{3}{4}$ pound pine oil per ton of ore.	
$\frac{3}{4}$ " hardwood creosote per ton.	
5 pounds coal oil per ton of ore.	
Concentrate obtained.	55 grams.
Analysis—MoS ₂	78.65 per cent.
Content—MoS ₂	43.2575 grams.
Recovery.	76.5 per cent.
First middling obtained.	10.2 grams.
Analysis—MoS ₂	57.15 per cent.
Content.	5.8293 grams
Recovery.	10.3 per cent.

SESSIONAL PAPER No. 26a

This middling was obtained from the screening of the original concentrate on a 100-mesh screen.

Second middling obtained..	101.6 grams.
Analysis—MoS ₂	4.02 per cent.
Content..	4.08432 grams.
Percentage MoS ₂ values..	7.2 per cent.
Tailing obtained..	833.2 grams.
Analysis—MoS ₂	0.41 per cent.
Content..	3.41612 grams.
Loss..	6.0 grams.

Figuring on a recovery of 70 per cent of the MoS₂ values in the middling, the total recovery would be 91.8 per cent of the molybdenum values in the ore. As this ore contains 0.24 per cent MoO₃ which would report in the tailings or lost in solution and not recoverable by flotation, the recovery of the actual molybdenite values in the ore would be about 95 per cent.

Large Scale Test.—For the large scale test the ore which was first crushed in the jaw crusher to 1 inch was fed into the ball mill, where the oil mixture was added and ground to pass a 60-mesh ton-cap screen, the oversize returning to the mill while the undersize went to the flotation cells.

The following results were obtained from the run of the ore:—

Concentrate..	127 pounds.
Analysis..	78.55 per cent MoS ₂
Content..	99.7585 pounds MoS ₂
Recovery..	97.8 per cent.
Tailing..	1,085 pounds.
Analysis..	0.19 per cent MoS ₂
Content..	2.0615 pounds MoS ₂
Loss..	2.2 per cent.

Conclusions.—This was found to be an ideal ore for concentration by oil flotation. Remarkable results were obtained for such a high grade ore. It is generally found that with such an ore all the molybdenite is not freed and a large portion of what is not freed is lost in the tailings. The gold and silver values in the ore are so small that their recovery would not be commercial. The grade of the concentrate made was rather low but this was due to the fact, that in order not to hold too much of the molybdenite values in the circuit, the operations were carried too far to obtain a cleaner concentrate.

Test No. 83.

MOLYBDENITE-GOLD ORE FROM NEW HAZELTON, B.C.

A shipment of 10 bags of molybdenite ore was received on November 21, 1917, from the New Hazelton Gold Cobalt Mines, Ltd., New Hazelton, B.C.

The ore consisted of molybdenite, in fine flakes approaching the amorphous variety; molybdite, the molybdenum oxide; sulphides of iron; arsenopyrite, cobalt, probably in the form of both cobaltite and smaltite and erythrite, the cobalt bloom. Associated with these minerals are considerable values in gold. A small amount of silver is also present.

Gross weight of sample received, 870 pounds.

This sample was crushed to 10 mesh in a small jaw crusher and set of rolls and a sample obtained for small scale tests and for analysis. The analysis of the sample showed the ore to contain:—

Molybdenite (MoS ₂)	1.98 per cent.
Molybdate (MoO ₃)	0.10 "
Cobalt (Co)	0.96 "
Arsenic (As)	3.82 "
Gold (Au)	1.32 oz.
Silver (Ag)	0.12 "

The tests on this ore were conducted to obtain a separation of the mineral constituents of the ore and so concentrate them into commercial products. This was done along the following lines:—

Firstly.—The separation of the molybdenite values by oil flotation, to obtain a commercial molybdenite product.

Secondly.—The separation of the other sulphides from the gangue, to obtain a smelter product, carrying the arsenic, cobalt, and gold values.

Thirdly.—The further recovery of the gold value if necessary in the tailing after the separation of the above products.

Small Scale Test.—A sample of the ore cut out from the original head sample was ground to 48 mesh (Tyler's standard); 1,000 grams was taken and mixed in a pebble jar with oil mixture, 1 pound coal oil per ton, ¼ pound crude turpentine per ton and a little water, for ten minutes. It was then added to the laboratory Callow flotation machine from which three products were made, namely, a molybdenite concentrate, a middling and tailing. The middling and tailing were combined and run over a small Wilfley table to obtain a separation of the other sulphides. A table concentrate, a middling and tailing were made:—

The results of this test are tabulated below:—

Product.	Dry Wt. Gms.	Analysis.				Content.				Percentages.			
		% MoS ₂	% Co.	% As.	Ozs. Au.	Gms. MoS ₂	Gms. Co.	Gms. As.	Gram. oz. Au.	% MoS ₂	% Co.	% As.	% Au.
Molybdenite concentration test.	31	50.00	0.80	2.45	3.60	15.5000	0.2480	0.7595	1.1160	78.28	2.58	1.99	8.45
Table conc. test....	49	1.00	11.12	38.00	4.25	0.4900	5.4488	18.6200	2.0825	2.47	56.76	48.74	15.78
Table middlings....	58	1.64	1.70	4.56	1.82	0.9512	0.9860	2.6448	1.0556	4.80	10.27	6.92	8.00
Table tails.....	531	0.29	0.44	1.60	0.32	1.5399	2.3364	8.4960	1.6992	7.78	24.34	22.24	12.87
Slime loss, etc.....	331	0.40	0.18	23.20	2.19	1.3189	6.5808	7.6797	7.2467	6.66	6.05	20.11	54.90
Crude ore.....	1000	1.98	0.96	3.82	1.32	19.8000	9.6000	38.2000	13.2000	99.99	100.00	100.00	100.00

Summary.—From the above results the following deductions are made:—

Molybdenite.—The molybdenite concentrate made gave an analysis of 50.00 per cent MoS₂. This low grade of concentrate is usual in test work on the laboratory machine. Much better results are always obtained in practice, the grade of the concentrate increasing with the better manipulation of the machines.

A recovery of 78.28 per cent of the molybdenite values in the ore is contained in the concentrate. This recovery should easily be reached in actual practice.

Cobalt.—The table concentrate made gave an analysis of 11.12 per cent Co, with a recovery of 56.76 per cent of the cobalt values in the ore. The table middling made gave an analysis of 1.70 per cent Co, representing 10.27 per cent of the cobalt values in ore. This middling product would be returned to the circuit in practice. The total recovery of the cobalt values in the concentrate would be around 65 per cent.

SESSIONAL PAPER No. 26a

Arsenic.—The table concentrate made gave an analysis of 38.00 per cent As., with a recovery of 48.74 per cent of the arsenic values in the ore. The table middling made gave an analysis of 4.56 per cent As., representing 6.92 per cent of the arsenic values in the ore. This middling product would be returned to the circuit in practice. The total recovery of the arsenic values in the concentration would be around 55 per cent.

Gold.—The above test shows that 8.45 per cent of the gold values remained in the molybdenite concentrate. These gold values are not in the molybdenite but in the other sulphides and would report to a large extent in the molybdenite tails in raising the grade of the concentrate by wet screenings in the mill circuit, the molybdenite flake staying on the screen while the fine iron sulphides pass through and back into the circuit. The table concentrate shows a recovery of 15.78 per cent of the gold values while the losses show 54.90 per cent of the gold values. It was supposed that in crushing to 48 mesh the gold was freed and caught on the blankets of the flotation cells, and only the gold that was not freed from the sulphides was recovered. If this is the case, the recovery of the gold values would show 70.68 per cent.

Large Scale Test

For the large scale test the ore was run through the molybdenite circuit. The ore was already crushed to 10 mesh, so it was fed direct to the ball mill. Our practice is to first crush in a jaw crusher to 1½-inch and feed automatically to the ball mill. The oil mixture is added to the ball mill and enters the mill with the ore feed. The discharge from the ball mill runs down a launder to a 3-inch centrifugal pump which lifts the pulp onto one-half of a Callow screen fitted in this case with a 60-mesh ton-cap screen, the oversize from the screen being returned to the mill while the undersize goes direct to the rougher cell. This is not the common practice with molybdenite ores. A Dorr classifier is generally used instead of the screen after the ball mill. From the rougher cell a rougher concentrate and a tailing is made, the rougher concentrate going to the cleaner cell while the tailing from this ore was held in a tank for further treatment on the concentrating tables. From the cleaner cell, the concentrates were drawn off over the front of the cell to an elevator and elevated onto the other half of the Callow screen fitted with an 80-mesh ton-cap screen. The undersize from the screen going back to the rougher cell while the oversize was caught as molybdenite concentrates. The tailings from the cleaner cell are also returned to the head of the rougher cell. The object of screening the cleaner concentrates is to drop the fine iron sulphides through the screen, while the molybdenite due to the coagulation of the particles by the oil is held on the screen. The oil used on molybdenite ores, while having a preferential action for this mineral is not complete and fine particles of other sulphides will float with the molybdenite, hence the necessity for screening in this manner the cleaner concentrates.

Due to such a small amount of the ore on hand clean quartz was first added to the mill to help fill up the mill circuit before proceeding with the molybdenite.

After the operation was complete, the Callow cells were cleaned out as well as possible and this clean up dried, weighed and sampled.

The results of the test are tabulated below:—

Quartz added to mill.	373	pounds.
Ore to mill.	765	"
	1,138	"
Total.	1,138	"

Molybdenite Concentration of Crude Ore.

Product.	Dry Wt. Lbs.	Analysis.					
		% MoS ₂ .	% MoO ₃ .	% Co.	% As.	Oz. Au.	Oz. Ag.
Molybdenite concentrate.....	14.5	53.50	.....	0.30	0.43	1.40	.....
Clean up of cell.....	83.0	4.77	.....	0.85	2.17	1.33	.....
Molybdenite tailing.....	1000.0	0.35	.....	0.70	1.55	0.30	.....
Losses in circuit.....	40.5	.....	.....	.....	29.37	14.30	.....
Crude ore.....	765	1.98	0.10	0.96	3.82	1.32	0.12

Product.	Contents.				Percentages.			
	Lbs. MoS ₂ .	Lbs. Co.	Lbs. As.	Oz. Au.	% MoS ₂ .	% Co.	% As.	% Au.
Molybdenite concn....	7.7575	0.0435	0.0624	0.01015	51.21	0.59	0.21	2.01
Clean up of cell....	3.9591	0.3855	1.8011	0.05520	26.14	5.25	6.17	10.93
Molybdenite tailing....	3.5000	7.0000	15.5000	0.15000	23.11	95.31	53.04	29.71
Losses in circuit....	0.0696	0.0850	+11.8595	+0.28935	-0.46	-1.15	+40.58	+37.35
Crude ore.....	15.1470	7.3440	29.2230	0.50490	100.00	100.00	100.00	100.00

Table Concentration of Molybdenite Tailing.

Product.	Dry Wt. Lbs.	Analysis.					
		% Mo S ₂ .	% Mo O ₃ .	% Co.	% As.	Oz. Au.	Oz. Ag.
Table concentrate.....	25	2.97	.....	9.30	33.56	7.55	.....
Table middling.....	26	1.25	.....	1.55	4.32	0.83	.....
Table tailing.....	949	0.26	.....	0.27	0.39	0.08	.....
Slime loss.....	.....	.....	.....	.....	.....	.....	.....
Molybdenite tailing.....	1000	0.35	.....	0.70	1.55	0.30	.....

Product.	Contents.				Percentages.			
	Lbs. MoS ₂ .	Lbs. Co.	Lbs. As.	Oz. Au.	% MoS ₂ .	% Co.	% As.	% Au.
Table concentrate....	0.7425	2.3250	8.3900	0.09437	4.90	31.66	28.71	18.69
Table middling.....	0.3250	0.4030	1.1232	0.01157	2.14	5.49	3.84	2.29
Table tailing.....	2.4674	2.5623	3.7011	0.03796	16.22	34.90	12.67	7.52
Slime loss.....	-0.0349	+1.7097	+2.2857	-0.00610	-0.15	23.26	7.82	1.21
Molybdenite tailing.	3.5000	7.0000	15.5000	0.15000	23.11	95.31	53.04	29.71

Summary.—From the above results the following deductions are made:—

Molybdenite.—The molybdenite concentrate made gave an analysis of 53.50 per cent MoS₂ with a recovery of 51.21 per cent of the molybdenite values in the ore. To this must be added the molybdenite values in the clean up of the cells, making a total recovery of molybdenite values, 77.35 per cent. This recovery can be worked up in practice, as well as the grade of the concentrate. The low grade of the concentrate is due to having to run the cells so long in order to obtain as much of the molybdenite values as possible in the concentrate. The cobalt, arsenic and gold values in this concentrate can also be reduced by careful manipulation as they are contained in the

SESSIONAL PAPER No. 26a

fine sulphides other than molybdenite in the concentrates. A screen test was made on a sample of the concentrate, and analyses of the screen sizes were made as follows:—

Screen Sizes.	Weight Grams.	Analysis.			
		% MoS ₂ .	% Co.	% As.	Oz. Au.
+ 100	599	60.25	0.15	0.26	0.38
- 100 + 150	209	54.35	0.18	0.24	0.35
- 150 + 200	168	51.25	0.32	0.42	0.65
- 200	615	49.70	0.48	0.61	3.00

From the above screen test it is shown that practically all the gold values can be eliminated from the molybdenite concentrates by careful work on the concentrate screen.

Cobalt.—The table concentrates gave a product 9.30 per cent Co. with a recovery of 31.66 per cent of the cobalt values in the ore. To this is added the cobalt in the middling, making the total recovery 37.15 per cent. From the above table of results it is shown that there has been a large loss in the tailing and in slime. This is very likely due to the cobalt occurring as bloom, as the sulphide and arsenide would concentrate more readily from the gangue.

Arsenic.—The table concentrate gave a product, 33.56 per cent arsenic having a recovery of only 28.71 per cent of the arsenic values in the ore, with the additional 3.84 per cent arsenic in the middling, makes a total recovery of 32.55 per cent. From the above table of results it will be noted, however, that 40.58 per cent of the arsenic values were lost in the mill circuit. The heavy arsenopyrite and iron pyrites in the ore remained to this extent in the ball mill, pump and pipe lines, and so were not recoverable on the table. If this percentage is added, the total recovery of the arsenic values would be 73.13 per cent.

Gold.—The table concentrates gave a product, 7.55 ozs. gold to the ton. The recovery in this concentrate was only 18.69 per cent of the gold values in the ore. The remaining gold values are accounted for as follows:—

In the molybdenite concentrate.	2.01 per cent.
In the clean up of the cells.	10.93 "
In the table middling.	2.29 "
Losses in circuit.	57.35 "
In the tailing.	8.73 "

The gold values in the heavy sulphides were held up with the arsenopyrite and iron sulphides in the circuit along with any free gold. The free gold would also be caught in the canvas bottoms of the flotation cells. The actual losses of gold values not recoverable in actual practice would be the loss in molybdenite concentrate, which in the above test was 2.01 per cent and the loss in table tailing which was 8.73 per cent, making a total of 10.74 per cent. In actual practice a recovery of about 90 per cent of the gold values should be expected.

Conclusions.—From the test work conducted so far on this ore, it has been proven that the molybdenite values can be recovered by oil flotation with a recovery of from 75 per cent to 80 per cent; that the grade of the molybdenite concentrate can be improved and practically all the gold values removed by careful screening of the cleaner cell concentrate.

It has also been proven that by table concentration of the molybdenite tailing, the cobalt, arsenic, and gold values can be concentrated into a smelter product. This product should contain in actual practice 90 per cent of the gold values, with a fair concentration of the cobalt and 73 per cent of the arsenic values.

Instead of table concentration of the molybdenite tailing it may be advisable to regrind and refloat in another set of cells, recovering the gold values in this manner, similar to the practice at Cobalt, Ontario. A comparison of the two methods of recovering the gold values in the ore should be made.

It has also been proven that the sample of ore submitted contains free gold. An amalgamation test was made to prove whether the ore could be amalgamated before concentration. It was found out, however, that trouble would be experienced as with the case of all arsenopyrite ores and should not be resorted to if a good recovery can be made by other methods. The results of the test work on this ore has been so encouraging, that it would be advisable to continue with it on a larger scale. With a run on a carload lot, the losses in circuit would be minimized, the flotation cells would work more satisfactorily and a comparison of table concentration of the molybdenite tailing and refloatation of this tailing to recover the gold values could be made.

Test No. 84.

ZINC-LEAD ORE.

A sample of a few pounds of zinc-lead ore was received for analysis and report as to its adaptability to concentration.

This ore was submitted by Dr. Wilson, and was from Carmacks, Yukon territory.

On examination it was found that a portion of the iron sulphides was fairly coarsely crystalline, but that the zinc and lead were intimately associated.

A small test was run on the laboratory Callow pneumatic machine for concentration by oil flotation. The results obtained were not satisfactory, but would lead one to assume that with careful research work a separation might be effected in this manner. Another test was made on a small Wilfley table, to ascertain the results by water concentration. From this test it was found that a large percentage of the iron could be removed in the tailing and that the concentrate, middling, and slimes might be further concentrated by oil flotation.

The results of these tests were as follows:—

Original sample—Zinc	1.19 per cent.
Lead	0.94 "
Ag.	2.15 oz.
Oil flotation test—(1,000 grams used).	
Concentrate	47.4 grams.
Analysis—Zinc	13.52 per cent.
Lead	11.15 "
Middling	44.2 grams.
Zinc	2.55 per cent.
Lead	2.68 "
Tailing	862 grams.
Zinc	0.94 per cent.
Lead	0.27 "
Table test	1,720 grams used.
Concentrate	44 grams.
Zinc	13.69 per cent.
Lead	6.98 "
Middling	247 grams.
Zinc	2.03 per cent.
Lead	1.26 "
Tailing	1,150 grams.
Zinc	0.73 per cent.
Lead	0.20 "
Slime loss	279 grams.

Conclusions.—The ore for the above tests was crushed to pass 50 mesh. The tests prove that this is not fine enough to obtain a good separation. A separation to a certain extent has been made both by oil flotation and table concentration. The

SESSIONAL PAPER No. 26a

flotation test is the better of the two methods and would have to be resorted to in the concentration of an ore of this class where very fine crushing is necessary. A combination of both table concentration followed by oil flotation would probably be the better method of concentration.

Test No. 85.

GRAPHITE CONCENTRATES.

A shipment of two bags, 200 pounds of graphite concentrates, was received on January 25, 1918, from the New Quebec Graphite Co., Ltd., Buckingham, Que.

This graphite was their concentrate from some point in their milling operations, and contained as impurities, quartz adhering to the graphite flake, mica, and a small amount of iron sulphides.

The analysis of this shipment showed it to contain:—

Carbon.....	60.10 per cent.
Silica.....	26.10 "
Iron.....	2.20 "

The product desired was a commercial graphite flake as high in carbon as possible to obtain.

Tests were made on the Huff electrostatic separator to remove the mica, without appreciable results. Some of the mica was removed but at the expense of a large loss of the graphite flake.

A test was run on the large Callow pneumatic machine, the concentrate being fed in the head of the rougher cell with water, a little coal oil and pine oil being added. The analysis of the concentrate made was as follows:—

Carbon.....	72.30 per cent.
Silica.....	11.20 "
Iron.....	2.30 "

On examination of this concentrate it was found that the mica was eliminated but the quartz adhering to the graphite flake remained.

The iron content was practically the same. It is doubtful whether this came from the graphite concentrate or was picked up in the air lifts of the cells from former tests on molybdenite ores.

To make a clean concentrate it was necessary to regrind, to free the quartz gangue adhering to the flake. This was done in the wet ball mill using pebbles for grinding. An accurate test could not be made as the amount of concentrate was too small. The mill was charged with 380 pounds of pebbles, 122 pounds of concentrate, and 122 pounds of water, and allowed to run for 30 minutes.

A screen test was made on the concentrate before grinding and also on the concentrate after grinding and refloating. From the screen test scales submitted in this report it will be found that the grinding produced 10 per cent more fines than in the original concentrate. This is probably high to what it would be in actual practice as it has been found that with careful operation the regrinding with pebbles does produce but very little more fines than the feed, and frees the flake from the adhering gangue.

The analysis of the final concentrate was as follows:—

Carbon.....	83.45 per cent.
Silica.....	6.50 "
Iron.....	2.00 "

Conclusions.—The above test shows that a considerable improvement has been made on the grade of the concentrate. The concentrate was screened on 100, 150, and 200 Tyler standard screens with the following results:—

+100—78.2 per cent of concentrate.	
Analysis—C.	86.50 per cent.
SiO ₂	4.30 “
—100+150—13.3 per cent of concentrate.	
Analysis—C.	82.05 per cent.
SiO ₂	11.90 “
—150+200—3.8 per cent of concentrate.	
Analysis—C.	68.45 per cent.
SiO ₂	17.00 “
—200—4.7 per cent of concentrate.	
Analysis—C.	48.32 per cent.
SiO ₂	19.40 “

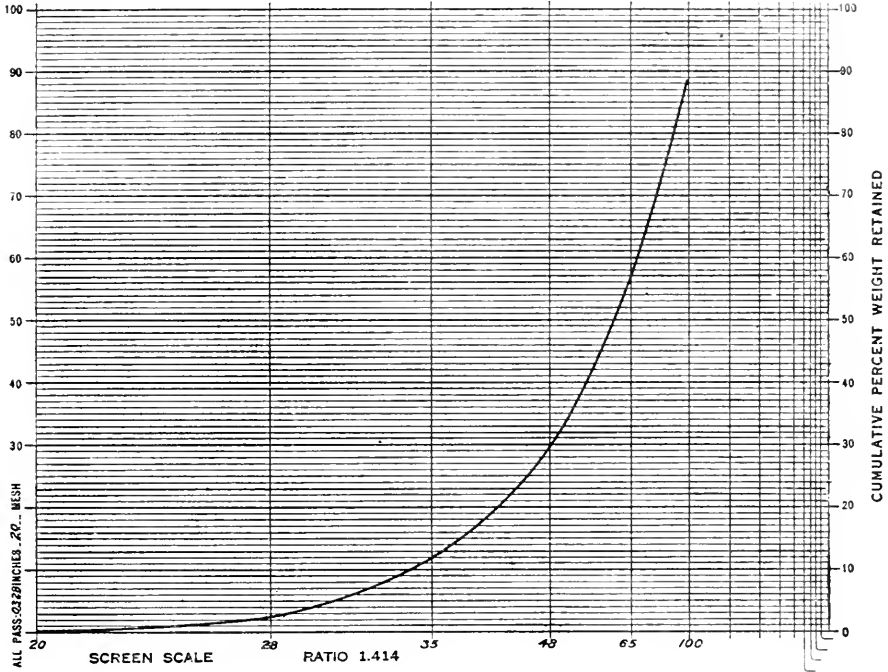
From the + 28 size, the larger pieces of clean flake were picked out and analysed as follows:—

Carbon.	92.25 per cent.
Iron and alumina.	3.60 “
Lime and magnesia.	Absent.
Insol. silica.	3.00 per cent.
Volatile and undetermined.	1.15 “

This analysis determines the limit of concentration without crushing the flake finer, as the gangue is included in the flake itself.

SESSIONAL PAPER No. 26a

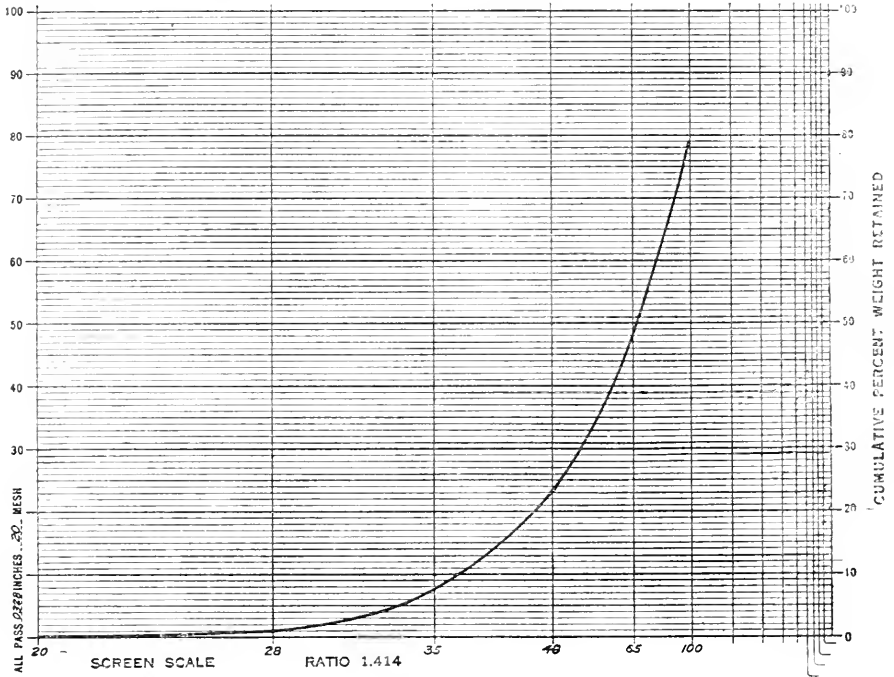
Cumulative Direct Diagram of Screen Analysis on Sample of *Graphite Conc^{es} before grinding*
 Name W. B. Timm Date April 27th, 1918



Indicate the Screen Crushed Through and also First Retaining Screen.	Screen Scale Ratio 1.414.				Sample Weights	Per Cent.	Per Cent Cumulative Weights
	Openings.		Mesh.	Dia-meter Wire Inches.			
	Inches.	Milli-meters.					
.....	1.050	26.67	.....	.149	.....	.....
.....	.742	18.85	.....	.135	.....	.....
.....	.525	13.33	.....	.105	.....	.....
.....	.371	9.423	.....	.072	.....	.....
.....	.263	6.680	3	.070	.....	.....
.....	.185	4.699	4	.065	.....	.....
.....	.131	3.327	6	.036	.....	.....
.....	.093	2.362	8	.032	.....	.....
.....	.065	1.651	10	.035	.....	.....
.....	.046	1.168	14	.025	.....	.....
All these .....	.0328	.833	20	.0172	.....	.....
.....	.0232	.589	28	.0125	19	2.2	
.....	.0164	.417	35	.0122	89	10.1	
.....	.0116	.295	48	.0092	157	17.9	
.....	.0082	.208	65	.0072	238	27.1	
.....	.0058	.147	100	.0042	273	31.1	
Pass 100					101	11.5	
Totals					877	99.9	

Diagram VII.

Cumulative Direct Diagram of Screen Analysis on Sample of *Graphite Concs after grinding*
 Name W. B. Timm Date April 27th, 1918.



Indicate the Screen crushed through and also First Retaining Screen.	Screen Scale Ratio 1.414.				Sample Weights	Per Cent.	Per Cent Cumulative Weights
	Openings.		Mesh	Dia-meter Wire Inches.			
	Inches.	Milli-meters.					
.....	1-050	26-67	.....	149	.....	.....
.....	.742	18-85	.....	135	.....	.....
.....	.525	13-33	.....	105	.....	.....
.....	.371	9-423	.....	92	.....	.....
.....	.263	6-680	3	70	.....	.....
.....	.185	4-699	4	65	.....	.....
.....	.131	3-327	6	56	.....	.....
.....	.093	2-362	8	52	.....	.....
.....	.065	1-651	10	48	.....	.....
.....	.046	1-168	14	42	.....	.....
All these	.0328	.833	20	37	.....	.....
.....	.0232	.589	28	32	3	0-46	
.....	.0164	.417	35	28	48	7-4	
.....	.0116	.295	48	24	99	15-3	
.....	.0082	.208	65	21	167	25-7	
.....	.0058	.147	100	19	190	29-3	
Pass 100	.....	.....	.....	.....	141	21-8
Pass	.....	.....	.....	.....	.....	.....
Totals	.....	.....	.....	.....	648	100-0

Diagram VIII.

SESSIONAL PAPER No. 26a

Test No. 86.

MOLYBDENITE ORE FROM HALEYS, ONT.

A shipment of 20 sacks of molybdenite ore was received May 1 from J. F. Day, Sudbury, Ont. This shipment came from a property near Haleys Station, Ont.

The molybdenite was of the flake variety, in quartz. Very little mica or iron sulphides was present.

Gross weight received.....	2,601 pounds.
Net weight received.....	2,584 "
Moisture.....	0.18 per cent.
Net dry weight.....	2,579 pounds.
Analysis—MoS ₂	1.97 per cent.
Content—MoS ₂	50.8063 pounds.

Small Scale Tests.—A sample of the ore was crushed to pass 40 mesh from which 1,000 grams were taken for a test on the laboratory Callow flotation machine.

Oil mixture added.....	2 pounds coal oil per ton. ½ pound pine oil per ton.
Concentrate obtained.....	18.5 grams.
Analysis—MoS ₂	76.28 per cent.
Content—MoS ₂	14.1118 grams.
Recovery.....	83.0 per cent.
Middling obtained.....	101 grams.
Analysis—MoS ₂	1.09 per cent.
Content—MoS ₂	1.1009 grams.
Percentage MoS ₂ values.....	6.00 per cent.
Tailing obtained.....	880.5 grams.
Analysis—MoS ₂	0.20 per cent.
Content—MoS ₂	1.7610 grams.
Loss.....	11.0 per cent.

Figuring on a recovery of 70 per cent of the molybdenite values in the middling, the total recovery would be 87 per cent.

Four hundred and sixty-five grams of ore crushed to 40 mesh were used for a test on the Janney laboratory flotation machine. Oil mixture same as former test.

Concentrate obtained.....	7.5 grams.
Analysis—MoS ₂	80.35 per cent.
Content—MoS ₂	6.02625 grams.
Recovery.....	89.6 per cent.
Middling obtained.....	43 grams.
Analysis—MoS ₂	1.09 per cent.
Content—MoS ₂	0.4687 grams.
Percentage MoS ₂ values.....	7.0 per cent.
Tailing obtained.....	414.5 grams.
Analysis—MoS ₂	0.055 per cent.
Content—MoS ₂	0.2280 grams.
Loss in tailing.....	3.4 per cent.

Figuring on a recovery of 70 per cent of the molybdenite values in the middling, the total recovery would be 94.5 per cent.

Large Scale Test.—The ore which was already crushed for sampling was run through the regular molybdenite circuit. It was fed to the ball mill, where the oil mixture was added. The discharge of the mill passed over a Callow screen, fitted with a 45-mesh ton-cap screen, the oversize returning to the mill, while the undersize went direct to the flotation machines. Only two products were made, a concentrate and a tailing.

Concentrate obtained.....	65 pounds.
Analysis—MoS ₂	69.77 per cent.
Content—MoS ₂	45.3505 pounds.
Recovery.....	89.1 per cent.
Tailing to waste.....	2,514 pounds.
Analysis—MoS ₂	0.22 per cent.
Content—MoS ₂	5.5308 pounds.
Loss.....	10.9 per cent.

Conclusions.—Ore is very easily concentrated and would in actual practice produce a very high grade concentrate with a high recovery of the molybdenite values. A concentrate of 85 to 90 per cent grade should be obtained with a recovery of 95 per cent of the molybdenite values.

Test No. 87.

WOLFE CO., QUE., GOLD QUARTZ.

Two shipments of gold-bearing quartz was received from Lake Aylmer, Wolfe county, Que. These shipments were submitted by Chas. J. Wallich, Detroit, Michigan. Shipment No. 1 was received on January 4, 1918.

Net weight.	238 pounds.
Analysis—Au.	0.06 oz.

Shipment No. 2 was received March 18, 1918.

Net weight.	343 pounds.
Analysis—Au.	0.04 oz.

The ore consisted of narrow bands of quartz in a schist formation. No free gold was visible.

Cyanide tests were made on shipment No. 1, on portions crushed to 50 mesh and to 100 mesh.

Strength of cyanide solution used was 0.15 per cent.

Weight of ore taken—300 grams.

Amount of solution used—1,000 c.c.

Duration of agitation—24 hours.

Solution decanted off and tailings washed, dried and analysed.

Tailing—50-mesh material—Au.—0.02 ounces.

Tailing—100-mesh material—Au.—trace.

Test No. 88.

CONCENTRATION TESTS ON PYRITE ORE.

A shipment of three bags of pyrite ore was received on April 9, 1918, from Robert Gamble, Ottawa, Ont.

This ore was obtained from the surface showings and was much oxidized. This pyrite was finely crystalline. Very little gangue material was present. The object of the test was to raise the sulphur content to a commercial grade.

As the pyrite present was finely crystalline, tests were made on the ore crushed to different meshes and the ore concentrated on tables.

It was crushed to 10 mesh and sampled.

Weight received.	460 pounds.
Analysis—S.	20.93 per cent.
Fe.	52.90 "
Cu.	Trace.

It was divided into four lots by means of the Jones riffled sampler. One lot was left at 10 mesh. Another lot was crushed to pass 20 mesh, and another to pass 30 mesh, and another to 40 mesh.

SESSIONAL PAPER No. 26a

Each lot was concentrated separately on an Overstrom table and the products weighed and analysed. The results of the tests are contained in the following table:—

Crude Ore.		Concentration Products.				Handling and slime loss.
Mesh.	Weight.	Product.	Weight.	Analysis.		
	Lbs.		Lbs.	% S.	% Fe.	Lbs.
10 mesh.....	113	Concentrate.....	69	22.62	54.00	14
		Middling.....	5	22.54	53.60	
		Tailing.....	25	17.16	51.60	
20 mesh.....	110.5	Concentrate.....	30.5	23.52	24
		Middling.....	30	23.20	.....
		Tailing.....	26	19.67	52.00	
30 mesh.....	115	Concentrate.....	31.5	25.22	26.5
		Middling.....	41.5	23.10	.....
		Tailing.....	15.5	17.23	.....
40 mesh.....	113.5	Concentrate.....	27	26.00	31.5
		Middling.....	37.5	23.92	.....
		Tailing.....	17.5	17.98	.....

Summary and conclusion:—

This ore was taken from the surface showings and is much oxidized so that it contains all the oxidation products from the sulphide to the oxide and were it not for this oxidization would be practically a pure sulphide containing Fe—46.6 per cent, S.—53.4 per cent. A very pure pyrite ore, requiring no concentration, should be obtained at depth, or after the oxidization zone had been penetrated.

Table concentration improved the grade slightly, as there is a small difference in the gravity of the sulphide and the oxide; more sulphide reporting in the concentrate and more of the oxide in the tailing.

A separation could be made by magnetic concentration and by oil flotation but this would not be permissible on account of the fineness of the concentrate produced.

The copper content is too low to be of any commercial value, only a trace being found in the head sample.

Test No. 89.

GOLD ORE FROM SUDBURY, ONT.

A shipment of 3½ bags of gold ore was received on December 11, 1917, from J. S. Black, Sudbury, Ontario.

Gross weight received.....	220 pounds.
Net weight received.....	215 "
Analysis—gold.....	1.70 oz. per ton.

The gold was associated with arsenopyrite in the ore and although free gold was visible to the naked eye it was proven that it was not free milling.

Tests were conducted to recover the gold values by amalgamation, by table concentration and flotation, and by cyaniding the table tailing.

The ore was first crushed to pass 40 mesh and sampled, from which the above analysis of 1.70 oz. to the ton was obtained. A portion of this sample was held for a flotation test.

Amalgamation.—The ore crushed to pass 40 mesh less the sample was panned to recover any free gold. It was given a second panning to see if any more gold values were recoverable by this method.

Tailing after 1st amalgamation—1.20 oz. gold per ton.

Tailing after 2nd amalgamation—1.13 oz. gold per ton.

Recovery by amalgamation—33.5 per cent of gold value

Table concentration.—The tailings from the amalgamation tests were concentrated on an Overstrom table with the following results:—

Weight of pulp to table..	200 pounds.
Analysis—gold..	1.13 oz.
Content—gold..	0.113 "
Concentrate obtained..	17 pounds.
Analysis—gold..	7.15 oz.
Content—gold..	0.0608 oz.
Recovery of gold values..	53.8 per cent.
Middling obtained..	74 pounds.
Analysis—gold..	0.74 oz.
Content—gold..	0.0274 oz.
Percentage of gold values..	24.3 per cent.
Tailing obtained..	54 pounds.
Analysis—gold..	0.34 oz.
Content—gold..	0.0092 oz.
Percentage of gold values..	8.1 per cent.
Slime loss..	55 pounds.
Analysis—gold..	0.57 oz.
Content—gold..	0.0156 oz.
Percentage of gold values..	13.8 per cent.

Figuring on a recovery of 70 per cent of the gold values in the middling being recovered with the concentrate in returning the middling to the milling circuit in actual practice, the recovery by table concentration would be 70.8 per cent. This would leave 29.2 per cent of the gold values left in the slime and table tailings. The slime loss from the table concentration would not be a loss if further treatment by cyanidation would be resorted to.

Flotation Concentration.—A sample of the crude ore crushed to 40 mesh was taken for this test, and the concentration made on the Callow pneumatic testing machine.

Ore used..	1,000 grams.
Oil used..	2 pounds per ton of mixture.
	10 per cent coal tar.
	50 " " creosote.
	40 " " hardwood oil F.P.L. No. 26.
Concentrate obtained..	151 grams.
Analysis—gold..	7.54 oz. per ton.
Content—gold..	11.3854 gram-oz.
Recovery of gold values..	67.0 per cent.
Middling obtained..	77 grams.
Analysis—gold..	1.06 oz. per ton.
Content—gold..	0.8162 gram-oz.
Percentage of gold values..	4.8 per cent.
Tailing obtained..	772 grams.
Analysis—gold..	0.62 oz. per ton.
Content—gold..	4.7864 gram-oz.
Percentage of gold values..	28.2 per cent.

Figuring on a recovery of 70 per cent of the gold values in the middling being recovered with the concentrate in actual practice, the recovery by flotation would be 70.4 per cent. This would leave 29.6 per cent of the gold values left in tailing, which would have to be cyanided. Finer grinding would no doubt give a better recovery by this method.

Cyanidation.—Tests were made on the table middling and the table tailing. A sample of each of these products was ground to pass a 100-mesh screen.

Middling—Analysis—gold..	0.76 oz. per ton.
Amount of middling taken..	200 grams.
Amount of solution used..	1,000 c.c.
Strength of solution used..	0.15 per cent.
Lime added..	1 gram.
Duration of agitation..	12 hours.
Analysis of tailing..	0.26 oz. per ton.
Recovery of gold values in middling..	65 per cent.
Consumption of cyanide..	2.5 pounds per ton.

SESSIONAL PAPER No. 26a

Tailing—Analysis—gold.	0.34 oz. per ton.
Amount of tailing taken.	200 grams.
Amount of solution used.	1,000 c.c.
Strength of solution used.	0.15 per cent.
Lime added.	1 gram.
Duration of agitation.	12 hours.
Analysis of tailing.	0.02 oz. per ton.
Recovery of gold value in table tailing.	94 per cent.
Consumption of cyanide	0.5 pounds per ton.

It will be noted that a poor extraction is made on the table middling but that a high recovery is made on the table tailing. The consumption of cyanide is high on the middling and comparatively low on the tailing for this class of ore. The low extraction and high consumption of cyanide on the middling is due to the arseno pyrites remaining in this product. The test was run on the middling to determine this point.

Conclusions.—Amalgamation should not be resorted to on this ore. Trouble would be encountered in keeping the plates clean which together with the loss in mercury would prohibit its use.

Table concentration and cyanidation of the table tailings seems to be the better method of procedure with an ore of this class. A recovery of 70 per cent of the gold values in the ore should be obtained in the table concentrates. A further recovery of $30 \times 94 \div 100 = 28.2$ per cent of the gold values in the ore should be obtained by cyaniding the table tailing, making a total recovery of 98 per cent of the gold values in the ore.

Flotation concentration and cyanidation of the flotation tailings would be equally as good were it not that trouble might be experienced in cyaniding the flotation tailing.

Test No. 90.

SCHEELITE CONCENTRATES FROM YUKON.

A shipment of three bags of scheelite concentrates was received Feb. 16, 1918, from Frank W. Canton. This shipment was made through G. D. Mackenzie, gold commissioner for the Yukon.

Gross weight of concentrate received.	354 pounds.
Net weight of concentrate received.	350 "
Analysis— WO_3	69.50 per cent.
Au.	3.98 oz.
Content — WO_3	243.25 pounds.
Au.	0.6365 oz.

This concentrate was amalgamated to extract the free gold. It was found that part of the gold was free and part still adhering to the quartz grains in the scheelite.

Weight after amalgamation.	343.5 pounds.
Analysis— WO_3	70.88 per cent.
Au.	1.91 oz.
Content — WO_3	243.47 pounds.
Au.	0.328 oz.
Bullion recovered.	0.237 "

In order to make a further recovery of the gold values it would be necessary to grind the concentrates to free the gold from the quartz. The loss in the scheelite would be greater than the recovery made on the gold so this was not resorted to. It would not be possible to make a separation by water concentration as the gold with adhering quartz particles has the same gravity as the scheelite.

Test No. 91.

MOLYBDENITE TAILING FROM HULL MILL.

A carload shipment of molybdenite tailing from the Hull plant of the Canadian Wood Molybdenite Co. was received on May 31, 1918, from the Wood Molybdenite Co., Ottawa, Ont.

Gross weight.....	59,026 pounds.
Moisture.....	5.66 per cent.
Net dry weight.....	55,685 pounds.
Analysis—MoS ₂	0.55 per cent.
MoO ₃	0.04 “
Content — MoS ₂	306.27 pounds.

This carload was run through the regular molybdenite circuit as follows:—

It was first weighed, a moisture sample taken and sent to the ball mill through a Vezin sampler where the regular head sample was cut out. From the ball mill the pulp passed into a Callow screen fitted with a 45-mesh screen, the undersize going to the flotation cell, the oversize being returned to the ball mill. The oil mixture was added to the mill.

Oil mixture used—25%.....	No. 5 pine oil.
25%.....	F.P.L. No. 25 light hardwood creosote.
50%.....	Coal oil.

1½ pounds of this mixture was used per ton.

Concentrate obtained.....	129 pounds.
Analysis—MoS ₂	41.27 per cent.
Content—MoS ₂	53.24 pounds.
Recovery of—MoS ₂	17.4 per cent.
Tailing to waste.....	55,556 pounds.
Analysis of tailing samples.....	0.45% MoS ₂
Calculated analysis of tailing.....	0.455% MoS ₂
Content—MoS ₂	253.03 pounds.
Loss of MoS ₂ values.....	82.6 per cent.

Conclusion.—The tailing was very badly oxidized and flotation was hindered by salts in solution. The flotation properties of the flake was destroyed partially through oxidization and partially by the previous drying of the ore. These are the main causes of the poor extraction and the low grade of concentrate.

To prepare the tailings for concentration they should be washed thoroughly to remove the salts which go into solution, thickened and reground in a tube mill to brighten up the flake, so that the oil will adhere to it and then it should be in shape for flotation.

Test No. 92.

MOLYBDENITE ORE FROM LOON LAKE, ONT.

On July 2, 1918, a sample of 502 pounds of molybdenite ore was received from J. A. Johnston, Loon Lake, Ont.

The molybdenite was of the flake variety in a quartz and feldspar gangue, practically free from other sulphides but containing a small amount of mica.

Net weight of ore received.....	502 pounds.
Analysis—MoS ₂	2.14 per cent.
MoO ₃	0.10 “
Content — MoS ₂	10.7428 pounds.
MoO ₃	0.5020 “

SESSIONAL PAPER No. 26a

Tests were conducted on the laboratory flotation machines to determine the adaptability of the ore for concentration.

1,000 grams of the ore crushed to pass 48 mesh; .0116" aperture was taken for each test.

The oil used in each case was 1 pound of No. 5 pine oil per ton of ore, and 2 pounds of coal oil per ton of ore.

Each test was agitated in a pebble mill to obtain a mixture of the oil, water and ore for 10 minutes.

On test No. 1 only the tailing was analysed which gave 0.29% MoS₂.

On test No. 2 only the tailing was analysed which gave 0.19% MoS₂.

On test No. 3 all products were weighed and sampled with the following results:—

Concentrate obtained.....	21 grams.
Analysis—MoS ₂	85.70 per cent.
Content—MoS ₂	17.9970 grams.
Recovery of MoS ₂	90.1 per cent.
Middling obtained.....	23 grams.
Analysis—MoS ₂	2.77 per cent.
Content—MoS ₂	0.6371 grams.
Percentage of MoS ₂ values.....	3.2 per cent.
Tailing obtained.....	956 grams.
Analysis—MoS ₂	0.14 per cent.
Content—MoS ₂	1.3284 grams.
Loss of MoS ₂ values.....	6.7 per cent.

Figuring on a recovery of 70% of the MoS₂ values in the middling, the total recovery would be 92.3% of the values in the crude ore.

Conclusions.—From the above results it has been determined that this ore can be easily concentrated. The laboratory tests show a concentrate of grade 85.70% MoS₂ with a recovery of 92.3% of the MoS₂ values. In practice better results should be obtained. On an ore of this class a concentrate of grade 90% with a recovery of 95% of the MoS₂ values could be expected.

Test No. 93.

A shipment of nine bags of molybdenite ore was received on June 30, 1918, from H. Leger, Campbell's Bay, Que.

Gross weight received.....	768 pounds.
Net weight received.....	759 "
Analysis—MoS ₂	1.025 pounds.
Content—MoS ₂	7.78 "

The molybdenite was of the flake variety in a pyroxenite gangue. Very little iron pyrites was present.

A test was made on the laboratory Callow flotation machine to determine its adaptability to concentration by oil flotation.

1,000 grams of the ore was used, crushed to pass 48 mesh, .0116" aperture.

The oil mixture was ½ pound of No. 5 pine oil and 1 pound coal oil per ton of ore. The results of the test follow:—

Product.	Weight Grams.	Analysis % MoS ₂	Content Gram MoS ₂	Percentage of MoS ₂ Values.
Concentrate.....	7	88.02	6.1614	70.4
Middling.....	379	0.41	1.5539	17.8
Tailing.....	614	0.17	1.0438	11.8

Conclusion.—It was found that the ore was an ideal one for concentration by this method. Containing very little iron pyrites, a high grade concentrate is easily made. A concentrate of grade 88.02% MoS₂ was made on the testing machine and a better grade should be made in practice. The above test shows that a good recovery can be obtained. Figuring on a recovery of 70% of the values in the middling, the total recovery would be 82.9% of the MoS₂ values in the crude ore.

Test No. 94.

Two samples of manganese ore was received on June 17, 1918, from W. F. C. Parsons, Bathurst, N. B.

These samples were marked Nos. 1 and 2 and contained pyrolusite, finely crystalline in a reddish slate gangue.

Concentration tests were made on a laboratory Wilfley table to determine their adaptability to concentration.

Both samples were ground to 50 mesh.

2,000 grams of sample No. 1 were taken.

1,000 grams of sample No. 2 were taken.

Sample No. 1 gave an analysis of:—

Mn. 24.92% Fe. 9.00%

Sample No. 2 gave an analysis of:—

Mn. 16.20% Fe. 8.10%

The results of the test work are contained in the following table:—

Sample No.	Product.	Weight Grams.	% Mn.	Analysis.		Content Mn. Grams	Percentage of Mn. Values.
				% Fe.	% SiO ₂		
1	Concentrate.	589	41.97	10.0	17.15	247.20	49.6
	Middling, No. 1.	61	25.82	11.6	.....	15.75	3.2
	Middling, No. 2.	179	12.72	11.7	.....	22.77	4.6
	Tailing.	568	5.51	.....	.....	31.30	6.3
	Slime loss.	603	30.08	.....	.....	181.38	36.4
	Totals and averages.	2,000	24.92	9.0	.....	498.40	100.1
2	Concentrate.	98	48.35	7.1	9.20	47.38	29.3
	Middling.	39	30.76	.....	.....	12.00	7.4
	Tailing.	526	9.33	.....	.....	49.08	30.3
	Slime loss.	337	15.90	.....	.....	53.54	33.0
	Totals and averages.	1,000	16.20	8.1	.....	162.00	100.0

Conclusion.—From the above results, the concentration of this ore in practice would be for a manganese concentrate of grade 40%, a recovery of 50% to 60% of the manganese values, and for a manganese concentrate of grade approaching 50% a recovery of 30 to 40% of the manganese values.

Test No. 95.

Two shipments of ferro-molybdenum slag were received, one on May 6, 1918, and the other on May 10, 1918 from the Tivani Electric Steel Co., Belleville, Ont.

This slag was from the reduction of molybdenite concentrates into ferro-molybdenum in the electric furnace.

SESSIONAL PAPER No. 26a

The test was conducted to concentrate the pellets of ferro-molybdenum which were shot through the slag and recover them as concentrate.

To accomplish this necessitated the grinding of the slag to free the ferro-molybdenum and concentration on tables to recover it.

Molybdenum values in the slag other than in the form of the metal could not be recovered by this method.

Slag received—Shipment No. 2	62,745 pounds.
Shipment No. 3	14,095 "
Total	76,840 "
Moisture—3.00%	2,305 "
Dry net weight	74,535 "
Analysis—Total Mo	4.22 per cent.
Mo as MoO ₃	0.30 "
Mo as ferro	3.92 "
Content—Total Mo	3,145-3770 pounds.
Mo as MoO ₃	223-6050 "
Mo as ferro	2,921-7720 "

A flow sheet showing the method of procedure follows:—

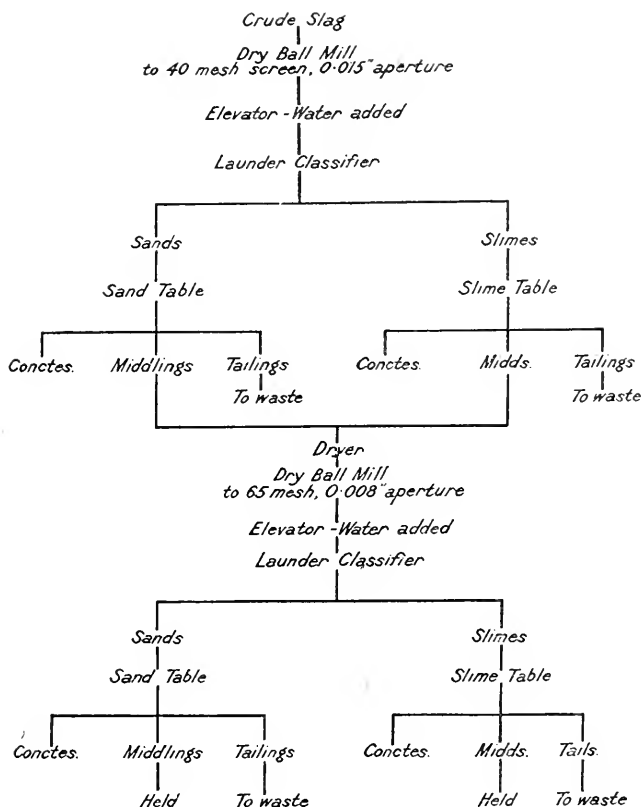


Fig. 6.—Flow sheet showing method of recovering ferro-molybdenum values from the slag of molybdenite concentrates.

As this slag contained a lot of steel turnings which got into it at the shipper's yards and these turnings were ground and reported in the concentrates from the tables, it was necessary to reconcentrate the concentrate to remove as much of them as possible.

The results of the concentration are contained in the following table:—

CONCENTRATION OF SLAG.

Crushed to 40 mesh, 0·015" aperture.

Product.	Weight.	Analysis.		Content.	Percent of Values. Mo.
		Total Mo.	Mo as MoO ₃ .	Total Mo.	
	Lbs.	%	%	Lbs.	
Concentrate.....	3,192	56·41	.....	1800·5754	57·25
Middling.....	17,668	3·37	0·44	595·4116	18·93
Tailing.....	53,675	1·48	0·37	749·3900	23·82
Totals and averages.....	74,535	4·22	0·30	3145·3770	100·00

CONCENTRATION OF MIDLINGS.

Crushed to 65 mesh, 0·008" aperture.

Concentrate.....	775	45·00	.....	348·4908	11·08
Middling.....	130·5	31·22	.....	40·7421	1·30
Tailing.....	16762·5	1·23	0·24	206·1788	6·55
Totals and averages.....	17668	3·37	0·44	595·4116	18·93

RECONCENTRATION OF CONCENTRATES.

To remove iron turnings crushed with slags.

Concentrate.....	3374	63·18	.....	2131·6932	67·77
Middling.....	306	31·22	.....	95·5332	3·03
Tailing.....	287	24·00	.....	68·8800	6·55
Totals and averages.....	3967	57·89	.....	2296·1064	72·99

SUMMARY OF PRODUCTS RECOVERED.

Product.	Weight.	Analysis.			Content.	Recovery of
		Mo.	C.	S.	Mo.	Values.
		%	%	%	Lbs.	Mo.
Concentrate.....	3,374	63·18	2·90	0·901	2131·6932	67·77
Middling.....	436·5	31·22	.....	.....	136·2753	4·33
Tailing.....	287	24·00	.....	.....	68·8800	2·19

Actual recovery of total molybdenum values in slag. 74·29 per cent.
 MoO₃ values were all lost in the tailing.
 Recovery of ferro-molybdenum in slag. 79·97 per cent.

Test No. 96.

Two samples of manganese ore were received on June 14, 1918, from Dr. Hayes of the Geological Survey. These samples were obtained from the farm of Mrs. Geo. Harrington, Gowland Mountain, N.B.

Sample marked "A" was high grade and gave the following analysis:—

Mn. 50·62% Fe. 0·30% SiO₂. 15·00%

SESSIONAL PAPER No. 26a

Sample marked "B" was low grade and gave the following analysis:—

Mn. 24.69% Fe. 3.00%

The manganese was in the form of pyrolusite, finely crystalline in a reddish slate gangue.

A test was made on 2,000 grams of B sample, crushed to 50 mesh, on the laboratory Wilfley table to determine its adaptability to concentration. The results follow:—

Product.	Weight grams.	Analysis.			Content.		Percentage of Mo. Values.
		Mn.	Fe.	S.	Grams	Mn.	
Concentrate	433	52.29	3.50	9.85	226.416		45.85
Middling	101	32.50	3.45		32.825		6.65
Tailing	890	9.85			87.665		17.75
Slime loss	576	25.50			146.894		29.75
Totals and averages	2,000	24.69			493.800		100.00

Conclusions:—

In practice on an ore of this class to obtain a concentrate of grade 50 per cent manganese, a recovery of 50 per cent of the Mn. values could be expected. To obtain a concentrate of grade 40 per cent Mn. a recovery of 60 per cent could be expected.

Test No. 97.

A shipment of two bags of tailing of approximately 200 pounds from a former molybdenite plant at Hull, Que., was received on June 18, 1918, from the Wood Molybdenite Co., Ottawa, Ont.

These two bags were sampled in Jones riffled samplers and samples cut out for analysis, screen test and concentration tests on the laboratory flotation machines.

Analysis of shipment { 0.87% MoS₂
0.07% MoO₃

The results of the screen test are shown on the accompanying scale sheet.

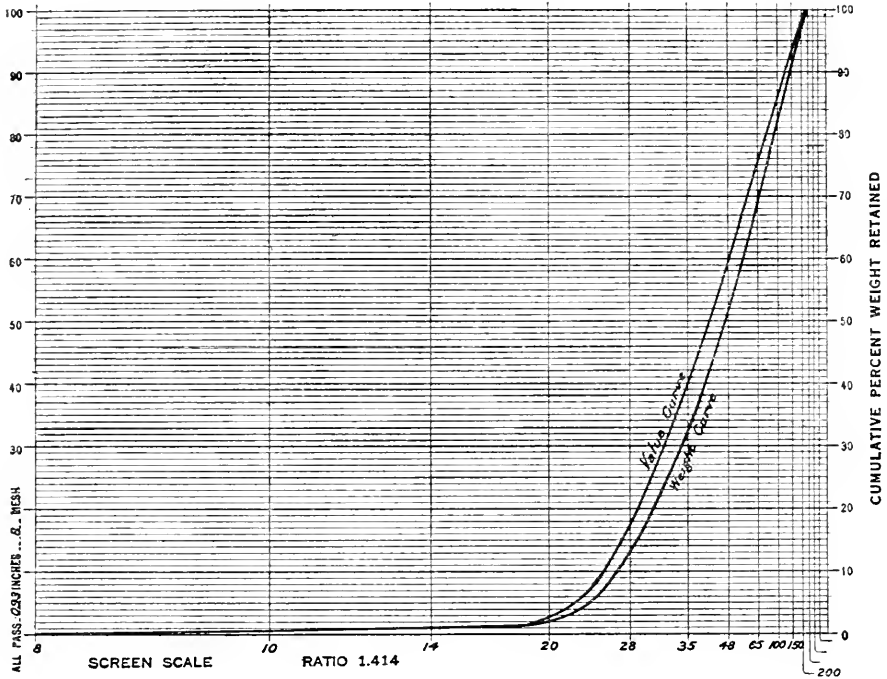
The results of the flotation tests are given in the following table.

Conclusion.—The screen test was made to determine just where the molybdenite values were. It was thought that practically all the values were in the coarse sizes. From the test it has been proven that 33% of the tailings by weight is finer than 65 mesh and contain 25.4% of the molybdenum values.

From the table giving the results of the flotation tests it will be seen that the tailing does not readily lend itself to oil flotation. In all cases the froth was not good, resulting in poor recoveries. Even on the washed tailing good results could not be obtained, the only reason for this being that the floating properties of the flake have been destroyed. This has been proven by the large amount of values contained in the middling, which ranges between 25 and 40% of the values in the crude. On an ordinary ore these values would not be above 10% and generally are around 5%. Recoveries in the table have been calculated on recovering 70% of these values, which is permissible with the raw ore, but it is doubtful if this can be obtained on this tailing.

It is possible that a method of treatment could be worked out that would be satisfactory but the amount of tailing to be treated would hardly warrant the installation of a plant and the preparatory work necessary before the plant would be in condition to give a satisfactory recovery.

Cumulative Direct Diagram of Screen Analysis on Sample of *Hull Tailings (O.E. Wood)*
 Name W. B. Tram Date June 17th 1918



Indicate the Screen crushed through and also First Retaining Screen.	Screen Scale Ratio 1.414.				Sample Weights grams.	Per Cent.	Per Cent Cumulative Weights	Analysis % MoS_2 .	Content grams.	% of MoS_2 Values.	Cumulative % of MoS_2 Values.
	Openings.		Mesh.	Dia-meter Wire Inches.							
	Inches.	Milli-meters.									
.....	1.050	26.67	14	.149	.....	.....	.....	.....	.....	.....
.....	.742	18.85	20	.135	.....	.....	.....	.....	.....	.....
.....	.525	13.33	24	.105	.....	.....	.....	.....	.....	.....
.....	.371	9.423	30	.092	.....	.....	.....	.....	.....	.....
.....	.253	6.480	36	.070	.....	.....	.....	.....	.....	.....
.....	.185	4.699	40	.065	.....	.....	.....	.....	.....	.....
.....	.131	3.327	48	.036	.....	.....	.....	.....	.....	.....
.....	.093	2.362	60	.032	.....	.....	.....	.....	.....	.....
All these	.065	1.651	100	.035	.....	.....	.....	.....	.....	.....
.....	.046	1.168	140	.025	32	1.2	.....	.....	.....	.....
.....	.0328	.833	200	.0172	22	0.9	1.12	0.60	2.8	2.8	
.....	.0232	.589	280	.0125	280	10.9	13.0	3.14	14.5	17.3	
.....	.0164	.417	350	.0122	506	19.8	32.8	0.97	4.91	22.6	
.....	.0116	.295	480	.0092	487	19.0	51.8	0.86	4.19	19.3	
.....	.0082	.208	650	.0072	398	15.6	67.4	0.84	3.34	15.4	
.....	.0058	.147	1000	.0042	374	14.6	82.0	.....	.....	.....
.....	.0041	.104	1500	.0026	200	7.8	89.8	.....	.....	.....
.....	.0029	.074	2000	.0021	116	4.6	94.4	0.66	5.50	25.4	
.....	.0029	.074	2000	.0021	144	5.6	5.6	.....	.....	.....
Totals	2559	100.0	0.85	21.68	100.0

Diagram IX.

SESSIONAL PAPER No. 26a

Weight of tailing used for each test—1,000 grams.

Oil mixture in each case— $\frac{1}{2}$ pound pine oil and 1 pound

Test No.	Treatment of Tailing before Concentration.	Mesh ground to.	Concentrates.				Middlings.				Tailings.				Total Recovery figures in Middlings Recovered.
			Weight grams	Analyses Mos ₂ %	Content Mos ₂ Grams.	Per cent Mos ₂ Values.	Weight Grams.	Analyses Mos ₂ %	Content Mos ₂ Grams.	Per cent Mos ₂ Values.	Weight Grams.	Analyses Mos ₂ %	Content Mos ₂ Grams.	Per cent Mos ₂ Values.	
1	Unwashed tailing	48	5.8	71.07	4.12	48.2	217	1.08	2.34	27.4	772.2	0.27	2.08	24.4	67.4
2	Unwashed tailing	65	5.0	61.08	3.05	37.2	223	1.41	3.14	38.3	772.0	0.26	2.01	24.5	64.0
3	Washed 15 min., decanted, dried and ground	48	3.5	85.53	2.99	37.9	163	1.79	2.92	36.9	833.5	0.24	2.00	25.3	63.7
4	Washed 15 min., decanted, dried and ground	48	5.6	86.70	4.80	58.9	191	1.62	3.09	37.5	803.4	0.16	1.29	15.6	85.1
5	Same as No. 4, but ground to	65	4.6	65.60	3.02	37.1	202	1.47	2.97	36.5	733.4	0.27	2.14	26.4	62.6
6	3 washings of 15 mins. each, decanting after each wash, finally dried and ground to	48	12.7	33.80	4.29	43.5	193	1.16	2.24	22.7	791.3	0.42	3.34	33.8	59.4
7	Same as No. 6, but ground to	65	6.7	38.16	2.56	32.2	304	1.02	3.10	39.1	689.3	0.33	2.27	28.7	59.6

Test No. 98.

Two shipments of titaniferous iron ore were received, one on March 21, 1918, and the other on March 26, 1918, from Dr. Goodwin, Kingston, Ont.

No. 1 shipment.....	2 bags.
Gross weight.....	125 pounds.
Analysis—Fe.....	46.23 per cent.
TiO ₂	27.56 "
No. 2 shipment.....	2 bags.
Gross weight.....	150 pounds.
Analysis—Fe.....	46.63 per cent.
TiO ₂	28.51 "

Test work was conducted on these two lots to make a separation of the iron from the titanium. The results obtained were not promising, showing that it is not possible to effect a separation by mechanical means of ore dressing. The results are given in the following tables:—

Test No. I.—Separation by means of a horse-shoe magnet, with sheath on, under water.

Mesh.	Wt. of ore taken. Grams.	Product.	Wt. of products. Grams.	Analysis.	
				% Fe.	% TiO ₂
20	2,000	Magnetic.....	790	50.05	24.40
		Non-magnetic.....	186	32.29	40.15
38	1,000	Magnetic.....	154	50.45	24.20
		Non-magnetic.....	47	31.86	39.75
80	1,000	Magnetic.....	161	49.60	25.20
		Non-magnetic.....	38	33.05	38.35
150	1,000	Magnetic.....	159	49.38	32.08
		Non-magnetic.....	41	25.22	35.80

Test No. II.—Separation by water concentration on sand table after crushing to 30 mesh.

Product.	Weight. Lbs.	Analysis.	
		% Fe.	% TiO ₂
Concentrate.....	82.0	46.30	29.67
Middling.....	16.0	42.26	24.20
Tailing.....	4.0	35.79	24.00

Test No. III.—Magnetic separation (wet) on the Ullrich magnetic separator—after crushing to 35 mesh.

Ring No.	Product.	Weight. Lbs.	Analysis.	
			% Fe.	% TiO ₂
1.....		27.5	50.95	22.93
" 2.....		5.5	50.35	23.44
" 3.....		2.0	48.22	27.65
" 4.....		6.5	29.72	44.24
Middling.....		0.5	31.44	35.36
Tailing.....		4.0	30.43	34.75

SESSIONAL PAPER No. 26a

Test No. 99.

On July 15, 1918, a shipment of molybdenite ore was received from the Wood Molybdenite Company, Ottawa, Ont. This shipment was from Masham, Que., and consisted of 18 cans:—

Gross weight.....	2,085.5 pounds.
Net weight.....	1,968.5 "
Analysis—MoS ₂	1.97 per cent.
Content—MoS ₂	38.78 pounds.

The molybdenite in the ore was of the flake variety in a heavy sulphide gangue of pyrrhotite and iron pyrites with a little pyroxenite. The ore for the most part was pure sulphides. Traces of arsenic are present.

Tests were conducted on the laboratory flotation machines to determine the adaptability of the ore for concentration by oil flotation.

The results of the test work are contained in the following table:—

Test No.	Machine Used.	Weight of Ore taken.	Oil Mixture.		Mesh Ore Crushed to.	Concentrates.			
			Pine Oil per ton.	Coal Oil per ton.		Weight.	Analysis content, percentage of Values.		
			Grams.	Lbs.			Grams.	% MoS ₂ .	Grams. MoS ₂ .
1	Callow.	1,000	$\frac{1}{2}$	1	48	9.0	81.50	7.34	41.9
2	Janney.	1,000	$\frac{1}{2}$	1	48	24.0	23.86	5.73	33.6
3	Callow.	1,000	1	2	48	7.5	67.69	5.08	28.8
4	Callow.	1,000	1	2	65	11.0	53.13	5.84	35.8

Middlings.				Tailings.				Total Recovery figuring 70 % of MoS ₂ in Middling Recovered.
Weight.	Analysis content, percentage of Values.			Weight.	Analysis content, percentage of Values.			
	Grams.	MoS ₂ .	Grams. MoS ₂ .		MoS ₂ .	Grams.	% MoS ₂ .	
94	5.93	5.57	31.9	897	0.51	4.57	26.2	64.2
183	4.49	8.22	48.3	793	0.39	3.09	18.1	67.4
178	4.93	8.78	49.6	814.5	0.47	0.47	21.6	63.5
186	3.69	6.86	42.1	803	0.45	3.61	22.1	65.3

Conclusions.—Flotation results on this ore are not satisfactory. Tailings look clean with the naked eye but on examination under the microscope contain molybdenite included in the pyrites. Fine crushing does not seem to assist the concentration to any appreciable extent as shown in No. 4 test.

Test No. 100.

A shipment of 25 pounds in one box containing manganese ore samples was received on September 6, 1918, from O. Turgeon, M.P., Bathurst, N.B.

On examination the ore was found to be pyrolusite, finely crystalline in a gangue of quartz and reddish slate or shale.

9 GEORGE V, A. 1919

The samples were crushed together to 50 mesh and sampled for analysis:—

Analysis—Manganese—Mn.	23.27 per cent.
Iron—Fe.	5.11 “
Silica—SiO ₂	53.03 “

A concentration test was made on a small scale to determine the adaptability of the ore to concentration.

Five thousand grams of the ore crushed to pass 50 mesh were taken and run over a laboratory Wilfley table, the concentration products from which were weighed and sampled for analysis. The results of this test were as follows:—

Concentrate obtained.	1,566 grams.
Analysis—Mn.	53.13 per cent.
Fe.	3.06 “
SiO ₂	6.10 “
Content—Mn.	832.02 grams.
Percentage of Mn. values.	71.5 per cent.
Middling obtained.	85 grams.
Analysis—Mn.	35.41 per cent.
Fe.	6.76 “
SiO ₂	30.54 “
Content—Mn.	30.10 grams.
Percentage of Mn. values.	2.6 per cent.
Tailing obtained.	2,319 grams.
Analysis—Mn.	8.58 per cent.
Fe.	3.18 “
SiO ₂	79.91 “
Content—Mn.	198.97 grams.
Percentage of Mn. values.	17.1 per cent.
Slime loss.	1,030 grams.
Analysis—Mn.	9.94 per cent.
Content—Mn.	102.42 grams.
Percentage of Mn. values.	8.8 per cent.

Conclusions.—It will be noted from the above results that a concentrate was obtained of a grade 53.13 per cent manganese with a recovery of 71.5 per cent of the manganese values, and that a middling product was made of grade 35.41 per cent manganese representing 2.6 per cent of the manganese values in the ore. The tailing and slime loss combined represented 25.9 per cent of the manganese values in the ore.

The above results are exceptionally good for a manganese ore. The ore, however, is a fairly high grade one, and the recovery obtained would drop in proportion to the grade of the ore, that is on an ore of this class of grade 15 per cent manganese a recovery of 50 per cent of the manganese values would be the most that would be expected.

The concentrate obtained is a chemical product as the iron and silica are below the limit. Should the grade of the ore be around 15 per cent manganese, it would hardly be feasible in practice to make this high grade product, or at least any quantity of it, but a metallurgical product could be made of grade 45 per cent to 48 per cent that could be used for reduction to ferro-manganese.

Test No. 101.

A shipment of scheelite ore was received on August 28 from Geo. A. Cameron, Eureka, N.S.

This shipment was contained in 21 canvas sacks.

Gross weight.	1,075 pounds.
Net weight.	1,067 “
Sample weights.	4 “
Net weight treated.	1,063 “

SESSIONAL PAPER No. 26a

Analysis—WO ₃	40.47 per cent.
As.	6.06 "
MoS ₂	Nil.
Au.	Nil.
Ag.	Nil.
Pt.	Nil.
Content — WO ₃	430.1961 pounds.
As.	32.5278 "

The scheelite occurs in a quartz gangue, associated with it is a small amount of pyrite and arsenopyrite.

Tests were conducted on this ore to obtain a commercial product, suitable for reduction to ferro-tungsten in an electric furnace.

The ore was crushed to pass 20 mesh and sampled. It was then run over a concentrating table, the middling from the table being reground to 50 mesh and run over the table. The result of this concentration was as follows:—

Concentrate—Weight	644.5 pounds.
Analysis—WO ₃	64.73 per cent.
As.	4.18 "
Content—WO ₃	417.1848 pounds.
As.	26.94 "
Percentage of WO ₃ values	96.98 per cent.
Tailing—Weight	295 pounds.
Analysis—WO ₃	1.10 per cent.
Content—WO ₃	2.849 pounds.
Percentage of WO ₃ values	0.66 per cent.
Slime loss—Weight	50.5 pounds.
Analysis—WO ₃	17.08 per cent.
Content—WO ₃	10.1623 pounds.
Percentage of WO ₃ values	2.36 per cent.

Conclusions.—From the above ore, a concentrate of grade 64.73% was obtained with a recovery of practically 97 per cent of the WO₃ values; 3 per cent of the WO₃ values was lost in slime and in the tailing.

The concentrate obtained carries 4.18 per cent As. in the form of arsenopyrite. This will necessitate roasting of the concentrate to eliminate the arsenic in order to obtain a first-class product.

Test No. 102.

GRAPHITE ORE FROM LACHUTE, QUE.

A shipment of graphite ore of approximately 300 pounds was received on October 9, from Thos. H. Rae, Lachute, Que.

On examination it was found that the flake was fairly fine. The gangue material was composed of quartz and crystalline limestone. A small amount of iron pyrites is present.

The ore was crushed to 30 mesh and sampled giving an analysis of carbon 15.00 per cent.

A series of tests were made on the Callow pneumatic testing machine to determine its adaptability to concentration by this method.

For this purpose a portion was crushed in a small ball mill to pass 40 mesh, while another portion was crushed to 30 mesh. It was found that it would be necessary to crush to a fineness of 30 mesh to free the flake from the gangue.

The results of the test work are contained in the following table:—

Run No.	Ore taken. Grams. Analysis % C. Content Grams C.				Concentrates.											
					+ 80				0·175 mm. - 80+115.				- 115		0·124 mm.	
					Wt. Grams.	Analysis % C.	Content Grams C.	% of C. Values.	Wt. Grams.	Analysis % C.	Content Grams C.	% of C. Values.	Wt. Grams.	Analysis % C.	Content Grams C.	% of C. Values.
1.	3000	15·0	450	96	92·00	88·32	19·5	189	64·52	121·94	26·9	518	44·60	231·03	51·0	
2.	2000	15·0	300	63	93·80	59·09	18·4	81	88·85	71·97	22·4	336	53·60	180·10	55·9	
3.	2000	15·0	300	72	90·80	65·38	21·8	109	60·23	65·65	21·9	338	48·00	162·24	54·1	
4.	1000	15·0	150	97	62·00	60·14	40·1	97	46·30	41·91	30·0	118	33·30	39·29	26·2	
5.	1000	15·0	150	36	94·40	33·98	22·1	33	93·70	35·61	23·2	94	82·30	77·36	50·4	
6.	1000	15·0	150	58	89·50	51·91	34·7	38	84·40	32·07	21·4	115	50·45	58·02	38·7	

Middlings.						Tailings.				
Total of C.	Recovery Values.	Wt. of Grams.	Analysis % C.	Content Grams C.	% of C. Values.	Wt. of Grams.	Analysis % C.	Content Grams C.	% of C. Values.	Total % of C. Values in Middlings and Tailings.
97·4	557	1·58	8·80	1·9	1640	0·20	3·28	0·7	2·6
96·7	451	1·70	7·67	2·4	1069	0·28	2·99	0·9	3·3
97·8	331	1·20	3·97	1·3	1150	0·24	2·76	0·9	2·2
96·3	195	2·40	4·68	3·1	493	0·18	0·89	0·6	3·7
95·7	173	2·95	5·10	3·3	659	0·23	1·52	1·0	4·3
94·8	296	2·30	6·81	4·6	493	0·18	0·89	0·6	5·2

Run No. 1.—Ore was first crushed to 40 mesh; pine oil and coal oil used; ground for 5 minutes in pebble mill; floated; concentrates reground for 15 minutes in pebble mill and floated.

Run No. 2.—Ore was first crushed to 40 mesh; pine oil and coal oil used; ground for 5 minutes in pebble mill; floated; concentrates reground for 20 minutes in pebble mill and floated, resulting in a higher grade concentrate on all sizes than Run No. 1 but with a little lower recovery of carbon values in high grade flake.

Run No. 3.—Ore was first crushed to 40 mesh; pine oil and coal oil used; ground for 5 minutes in pebble mill; floated, concentrates reground for 10 minutes in pebble mill and floated, resulting in a little lower grade concentrate than No. 1 run on the coarser sizes but a little higher recovery of carbon in high grade flake.

Run No. 4.—Ore was first crushed to 30 mesh; a small amount of No. 25 F.P.L. light creosote oil used; ground for two minutes in pebble jar to get oil mixed; floated; concentrates refloated without further grinding; results in a low grade concentrate with a high recovery of carbon values on the coarser sizes. This test was run to see what the results would be without regrinding.

Run No. 5.—Ore was first crushed to 30 mesh; a small amount of No. 25 F.P.L. light creosote oil used; ground for five minutes in a pebble jar; floated; concentrates reground for twenty minutes in pebble jar and floated; resulting in a very high grade concentrate on all sizes with a high recovery of the carbon values.

SESSIONAL PAPER No. 26a

Run No. 6.—Ore was first crushed to 30 mesh; a small amount of No. 25 F.P.L. light creosote oil used; ground for five minutes in a pebble jar; floated; concentrates reground for ten minutes in pebble jar and floated, resulting in a lower grade concentrate than run No. 5 but with a much higher recovery of the carbon values in the coarser sizes.

This series of tests were run to make as high grade a concentrate as possible and to hold as much as possible on the coarser sizes.

Summary.—The ore is readily adaptable to the oil flotation process. The results of the above test show that 95 per cent of the carbon values is recovered in the concentrates; that with proper manipulation 20 per cent to 25 per cent of the carbon values is contained in the flake on 0.175 mm. screen of a grade above 90 per cent, and 20 per cent to 25 per cent of the carbon values is contained in the flake through 0.175 mm. screen and on 0.124 mm. screen of a grade around 90 per cent and 45 per cent to 50 per cent of the carbon values is contained in flake through 0.125 mm. screen of a grade above 80 per cent.

The consumption of oil is very small, ranging between one pound and two pounds per ton of ore.

The flake in this ore is a very thin and high grade one, which floats readily with the addition of very little oil.

Test No. 103.

A shipment of 50 pounds of graphite ore was received on October 10, 1918, from the Jas. H. Mason Smelting Co., Toronto, Ont.

The graphite in this ore was fairly coarse flake in a gangue of quartz and crystalline limestone.

The ore was crushed to 30 mesh and sampled, giving an analysis of 2.37 per cent carbon.

Tests were made on the Callow pneumatic testing machine to determine its adaptability to concentration.

Run No. 1.—Made on 4,000 grams of the ore. Ground in a pebble jar for 5 minutes with a small amount of pine oil and coal oil. Floated in testing machine; the concentrates reground for 10 minutes in the pebble jar and refloats.

Concentrate+80-mesh.	26 grams.
Analysis—C.	87.65 per cent.
Content—C.	22.79 grams.
Recovery of C. values.	26.2 per cent.
Concentrate—80+115-mesh.	31 grams.
Analysis—C.	66.60 per cent.
Content—C.	20.65 grams.
Recovery of C. values.	23.8 per cent.
Concentrate—115-mesh.	58 grams.
Analysis—C.	65.45 per cent.
Content—C.	37.86 grams.
Recovery of C. values.	43.6 per cent.
Middling.	44 grams.
Analysis—C.	3.00 per cent.
Content—C.	1.32 grams.
Percentage of C. values.	1.6 per cent.
Tailing.	2,841 grams.
Analysis—C.	0.11 per cent.
Content—C.	4.23 grams.
Percentage of C. values.	4.8 per cent.
Total recovery in concentrate.	93.6 "
Percentage of carbon values in middling and tailing.	6.4 "

9 GEORGE V, A. 1919

Run No. 2.—Made on 2,000 grams of the ore. Ground in pebble jar for 5 minutes with a small amount of pine oil and coal oil. Floated in testing machine and the concentrates reground for 5 minutes in the pebble jar and refloatated.

Concentrate + 80-mesh	32 grams.
Analysis—C.	82.70 per cent.
Content—C.	26.46 grams.
Recovery of C. values.	50.4 per cent.
Concentrate—80 + 115-mesh.	12 grams.
Analysis—C.	74.50 per cent.
Content—C.	8.94 grams.
Recovery of C. values.	17.0 per cent.
Concentrate—115-mesh.	21 grams.
Analysis—C.	69.00 per cent.
Content—C.	14.49 grams.
Recovery of C. values.	27.6 per cent.
Middling.	60 grams.
Analysis—C.	1.80 per cent.
Content—C.	1.08 grams.
Percentage of C. values.	2.1 per cent.
Tailing.	1.875 grams.
Analysis—C.	0.08 per cent.
Content—C.	1.50 grams.
Percentage of C. values.	2.9 per cent.
Total recovery in concentrate.	95.0
Percentage of carbon values in middling and tailing.	5.0 "

Summary.—The ore is adaptable to concentration by the oil flotation process. A recovery of 95 per cent of the carbon values can be obtained in concentrates. A 90 per cent carbon flake should be obtained on the coarser sizes with a 65 per cent to 70 per cent grade in the fines. It is a question of manipulating the crushing to obtain this. The low content of graphite in the ore would not make it a commercial proposition.

Test No. 104.

A shipment of placer scheelite concentrates was received on August 13, 1918, from D. E. Clindinin, Dawson, Y.T. This shipment consisted of 10 bags having a gross weight of 1,301 pounds and a net weight of 1,293 pounds.

A sample was cut out by means of the Jones riffler sampler for analysis.

Net weight received.	1,293 pounds.
Analysis—WO ₃	66.50 per cent.
Au.	8.30 oz.
Ag.	1.20 "
Content—WO ₃	859.845 pounds.
Au.	5.367 oz.
Ag.	0.776 "

The concentrate was crushed to pass a 40-mesh screen in rolls and the metallics caught on the screen. These metallics contained the coarse gold and represented approximately 55% of the gold values. They were melted down into bullion.

Weight of metallics.	150 grams.
Weight of bullion obtained.	3.12 oz.

The concentrate through 40-mesh was sampled, weighed, and packed for shipment as follows:—

Gross weight.	1,300 pounds.
Net weight.	1,285 "
Analysis—WO ₃	66.90 per cent.
Au.	3.30 oz.
Ag.	0.18 "
Content—WO ₃	859.665 pounds.
Au.	2.12 oz.
Ag.	0.115 "

SESSIONAL PAPER No. 26a

Amalgamation and cyanide tests were made on samples of the concentrate through 40 mesh. The results of the amalgamation tests were as follows:—

Assay before amalgamation—Au.	3.30 oz.
Ag.	0.18 "
Assay after amalgamation—Au.	0.21 "
Ag.	0.03 "
Extraction of gold values.	90.6 per cent.
Extraction of silver values.	83.3 "

Cyanide tests were made on samples of the concentrates, crushed to 40 mesh and crushed to 100 mesh but gave poor results. The tests made on the concentrate without washing showed an extraction of 50% of gold and silver values with a very high consumption of cyanide; on the washed concentrate, the extraction was 20% of the gold values on the 40-mesh material and 60% on the 100-mesh material with a low consumption of cyanide.

Conclusions.—From the above tests it was found that the gold and silver values in the concentrate was in the form of coarse flake, 55% of which could be caught as metallics in crushing to 40 mesh and 90% of the remaining gold values and 83% of the remaining silver values could be recovered by amalgamation.

III

REPORT OF THE CHEMICAL LABORATORY.

H. C. MABEE, *Chemist.*

Owing to the continued demand by munition authorities for molybdenum, the sampling and chemical examination of molybdenite ores and concentrates carried on during the previous year, was continued during the early part of 1918, as also the sampling and analysing of ferro-molybdenum and other ferro alloys.

During the year, a large number of field samples of ores and minerals were received through the Canadian Mineral Resources Commission from various localities throughout the Dominion. As many of these samples required a more or less complete analysis, a great part of the time of the chemical staff was occupied with this class of work. At the close of the year, some 125 samples of gold-platinum sands were received through the Commission from the Tulameen river, Potato creek, and other districts in British Columbia. The assay results of these samples were not completed at the close of the year and are therefore not included in this report.

In the Ore Dressing and Metallurgical Laboratories a large number of experimental tests were performed during the year, which also involved the usual amount of samples and chemical analyses.

The total number of samples submitted for analysis was 1,240. These may be conveniently arranged according to the following classification, with, for the most part, the nature of the chemical analysis performed in each case.

Barite, 1 sample.

Determined—barium sulphate, silica, nickel, and cobalt.

Chromite, 2 samples.

Determined—chromic oxide, copper, nickel, and cobalt.

Copper, 21 samples.

Determined—copper, silver, gold, lead, and zinc.

Ferro-manganese, 15 samples.

Determined—manganese, iron, silica, phosphorus, and sulphur.

Ferro-manganese slags, 14 samples.

Determined—manganese, iron, silica, and lime.

Ferro-molybdenum, 22 samples.

Determined—molybdenum, carbon, and sulphur.

Graphite, 58 samples.

Determined—carbon, silica, and iron.

Gold, 42 samples.

Determined—gold, and silver.

Gold-cobalt, 80 samples.

Determined—gold, cobalt, molybdenum, nickel, and arsenic.

Iron, 7 samples.

Determined—iron, silica, lime, phosphorus, and sulphur.

Manganese, 200 samples.

Determined—manganese, iron, silica, phosphorus, and sulphur.

Molybdenite, 619 samples.

Determined—molybdenum sulphide, and molybdenum tri-oxide.

Nickel, copper ores and slags, 8 samples.

Determined—nickel, copper, iron, silica, and sulphur.

Pyrite, 21 samples.

Determined—sulphur, arsenic, lead, zinc, and copper.

Platinum, gold, 59 samples.

Determined—platinum, and gold.

Sandstone and gravel, 6 samples.

Determined—silica, iron, and lime.

Steel, 2 samples.

Determined—carbon, manganese, sulphur, and phosphorus.

Tungsten, 26 samples.

Determined—tungstic acid, arsenic, copper, and gold.

Titaniferous iron, 28 samples.

Determined—titanic acid, and iron.

Zinc-lead, 9 samples.

Determined—zinc, lead, and iron.

Out of the total number of samples analysed, about 310 were directly or indirectly for the Canadian Munitions Resources Commission, 40 for the Imperial Munitions Board, and 890 from customs work and experimental tests performed in the Ore Dressing Laboratories.

CERAMIC DIVISION.

J. KEELE, *Chief of the Division.*

Introductory.

The laboratory work during the last year consisted of testing materials sent in for examination and in special experimental work on magnesite, dolomite, and silica, for refractory uses.

The areas of brick clay in the Ottawa valley between Arnprior and Pembroke were partly mapped and sampled during the field season and about two weeks prospecting for tile clay was done in Prince Edward Island by the writer.

There is an increasing demand for information regarding clay deposits suitable for the manufacture of structural materials in order to meet the needs in building. As several of the brick plants in Canada were either closed during the last few years or operating under a partial output, it is not probable that many new plants will be started, but changes which make for increased efficiency in handling material and in the saving of fuel are likely to be largely adopted in most of the plants now in operation. The increasing cost of fuel will be a powerful incentive to prevent waste in firing clay wares.

The annual value of clay products made in Canada, also the amount of imported clay products, are given in the Mineral Production of Canada. This is a statistical report which is published annually by the Mines Branch.

A report on silica in eastern Canada is in preparation; this report will include those forms of quartz suitable for ceramic processes.

The position of assistant Ceramic Engineer has not been filled up to the present, consequently the work undertaken by the Division is limited. There are no facilities offered in training in this branch of engineering in Canada.

The following pages include some of the more important tests on clays made during the year. The record of the majority of the tests is not included, as many samples reach us which are not accompanied by any adequate description, either of exact locality or amount available, hence the determinations are of dubious value to the general reader.

BRITISH COLUMBIA.

Residual Clays.

Residual clays are the result of certain processes which break down the structure of rocks and soften them in situ. Weathering and leaching by surface and ground waters appear to be the most active agencies in the formation of residual clays, but this alteration has in some cases been effected by pneumatolysis, which is the action of heated, chemically active gases ascending from below.

The principal rocks yielding residual clay are granites, felsites, porphyrites, basalts, tuffs, slates, argillaceous quartzites, or sandstones, and impure limestones.

The residual clay most highly valued in the industries is kaolin or china-clay. This material is white in colour both in the raw and burned state and is highly refractory, resisting the action of heat up to the softening point of cone 34 (1810 deg. C.). The chemical analysis of such a clay yields little more than silica, alumina,

and water. When iron, lime, magnesia, titanium, and alkalis, which are fluxing impurities, show in any appreciable quantity in an analysis the material begins to deteriorate in value, and although a clay with as high as 7 or 8 per cent of these impurities may be refractory and might be used as a fireclay, it would not be a kaolin in the industrial sense.

The principal users of kaolin or china-clay are the paper makers and potters, but it has many minor uses.

Whiteness in colour, fineness in grain, and refractoriness are the essential qualities required for these uses. Clays which appear pink or reddish-yellow or grey in colour in the field may be useful in some branch of the clayworking industry but not in those where whiteness in colour is imperative. The varied colours of the raw clays are mostly due to the iron content and these colours are generally intensified on burning.

Residual clays are comparatively rare in British Columbia as they are in most glaciated regions, but in the Interior Plateau region where glaciation seemed to have been less severe than in other portions of the Province a few occurrences have been noted.

While residual clays strictly speaking are those which have not been moved from their original position, some of these clays are accumulated in a flat at the foot of the rock slopes from which they were derived, but if their origin is apparent they may still be regarded as residual deposits.

Prospecting for kaolin has been taken up in recent years in British Columbia, but so far no deposit of commercial value has been recorded. A few occurrences of material approaching kaolin in character but of small extent are included in the following notes.

DUCKS.

About 4 miles southwest of Ducks a clay deposit occurs between two small lakes known as the Buce lakes. Samples were collected from this deposit in 1918 by W. F. Ferrier, who describes the occurrence as follows: "The clay is deposited in a flat at the base of a hill with steep jagged peaks, and is evidently derived from the alteration of the rocks of which the hill is composed.

In the upper part are rusty weathering, black diabase, with some included tuff beds. Below these is a pale coloured and rusty weathering phase of the diabase, very highly altered, with feldspar almost entirely kaolinized. Lower down the hill the rock becomes darker in colour. The thickness of the soil covering the clay varies from practically nil to about a foot. The average thickness of the clay is not more than 24 inches, varying from a few inches to about 30 inches. It is somewhat sandy on top, passing into plastic clay practically free from gritty particles. It is usually underlain by about 2 inches of pinkish sandy clay, beneath which is sand or gravel composed of particles of rock from the hillside.

The clay is of a light buff colour when first exposed, but is chalky white when dried. A black stain, probably of peaty matter runs through it in places.

The amount of clay present is altogether too small to be of economic importance, but the occurrence is recorded on account of the unusual character of portions of the deposit.

Four samples were collected by Dr. Ferrier and sent to the clay testing laboratory where the following results were obtained.

Lab. No. 635, Kerr Sample No. 1. Soft grey clay with good plasticity, fairly smooth in texture.

It dries very slowly with a shrinkage of 6 per cent.

SESSIONAL PAPER No. 26a

This clay burns to a cream-coloured, porous body, and even when heated to 1270 deg. C. (the softening point of cone 7), its absorption is 32 per cent. The fire shrinkage is large being 10 per cent, or the total shrinkage 16 per cent.

This clay fuses about 1570 deg. C. (the softening point of cone 20), so that it is only semi-refractory, and is not a fireclay.

On account of its high shrinkage and its refusal to become dense at cone 7 (the general temperature of burning stoneware pottery), this clay cannot be used alone for pottery manufacture but might be used as a bonding clay in a mixture.

Lab. No. 636. Kerr Sample No. 2. Soft white, chalky clay with some darker grey particles.

This clay is very short in texture when wet. Its plasticity is so low that it was difficult to mould into test pieces. It dries readily after moulding, the shrinkage on drying being about 4 per cent.

This clay burns to a white chalky body of no strength at the lower temperatures.

When burned to cone 5 (1230 deg. C.), the shrinkage is abnormal and the body is still porous.

This clay is not fused when heated up to the softening point of cone 30 (1730 deg. C.), so that it is a highly refractory material.

Lab. No. 637. Kerr Sample No. 3. Soft white, chalky clay containing some rock particles.

This clay has very little plasticity when wet so that it is difficult to mould.

It forms a very weak, porous, white body when burned at low temperatures. When burned to cone 5 its shrinkage is 22 per cent which is excessive. The colour is cream, with brown specks.

This clay is similar in properties to 636.

Lab. No. 638. Sample taken from Alkali pond on Mr. Tait's property. This is a greenish-grey clay, highly plastic, smooth and pasty when wet, and is stiff and hard to work.

It dries very slowly, the moulded shapes have a tendency to crack on drying and it burns to a dense strong body at low temperatures.

This clay could probably be used for the manufacture of common red building brick, but would require the addition of sand in order to overcome its drying defects and reduce the shrinkage.

MIXTURE OF CLAYS.

A mixture of equal parts of each of the above clays was moulded and burned up to the softening point of cone 5. At this temperature the mixture forms a strong dense body of mottled buff colour like a fire brick in appearance, but with an excessive shrinkage.

If the shrinkage should be overcome the mixture would make a low grade of semi-refractory brick for local use, as it is unaffected when raised to the temperature of 1550 deg. C.

Samples Nos. 636 and 637 resemble kaolin in character inasmuch as these clays are fairly white and of low plasticity in the raw state and retain a nearly white colour when burned. The clay was only tested to a temperature of cone 30, but will probably go somewhat higher before softening. Their defects are lack of plasticity, excessive shrinkage and slight discoloration. As all kaolins must be washed before becoming commercial products, the washing process would probably improve the above clays if the quantity in the deposit was large enough to warrant that operation.

BONAPARTE VALLEY.

About 17 miles north of Ashcroft in the Bonaparte valley are extensive occurrences of residual clay. They extend upwards for several hundred feet from the level of the river and the Cariboo road on the west side of the valley, and consist of alternate bands of light yellow to brown-red clay of rather unusual appearance. Across the river are similar bands and they are also found farther to the north in the valley with occasional bands of nearly black colour accompanying the yellow and red clays.

Samples of these clays were collected by L. Reinecke of the Geological Survey from two beds lying above and west of the road at a point about $17\frac{1}{2}$ miles from Ashcroft, near several abandoned mine tunnels.

The rocks here consist of very fine-grained grey quartzite and white coarse-grained quartzite. The clay area is half a mile or so in length and several hundred yards in width measured down the slope. The depth to which weathering has penetrated was ascertained in one of the mine tunnels where most of the material was turned to clay to a distance of 30 feet from the surface before solid rock was encountered.

It is impossible to select samples of clay that do not contain from 30 to 50 per cent of rock fragments, so that the material as a whole must be ground for use or else the clay portion of the deposit would have to be separated from the rock by a washing and settling process.

These clays proved on testing to be short in texture and of low plasticity. They burn to strong red colours and begin to soften at comparatively low temperature. Even if these clays were free from the rock fragments they would have little value in the clayworking industry.

CHIMNEY CREEK, LILLOOET.

An outcrop of whitish clays occurs on the west side of the valley of the Fraser river near Chimney Creek bridge. This deposit was examined by Mr. L. Reinecke in 1918, who states that the clays are residual from argillaceous quartzites of the Cache Creek series. The quartzite beds are broken and folded at this point, and a patch about 400 feet long and 300 feet wide is partly kaolinized. Four samples representing different portions of the outcrop were collected and sent to the laboratory of the Mines Branch for testing.

Lab. No. 650. Whitish residual clay containing many fresh or slightly altered quartzite particles. A portion of this sample was ground to pass a 16-mesh screen. It had only a low plasticity when wet, but was easily moulded into shape.

This clay burns to a dark grey, hard body at cone 5 (1230°C) the shrinkage is not very great and the absorption was 6 per cent.

A portion of the clay washed and screened through an 80-mesh screen yielded about 50 per cent of plastic clay, the remainder being sand and rock fragments. The washed clay is plastic and burns to a hard light grey body, resembling a stoneware clay in character.

The crude clay fuses at cone 18 (1490°C .) and the washed clay is fused at about cone 15 (1430°C .), so that the material is only semi-refractory and not a fireclay.

Lab. No. 651. White and pink residual clay. This material was ground to pass a 16-mesh screen. Its plasticity was low when wetted and many of the coarse particles did not slake down so that the clay was granular in texture.

This clay burns to a cream-coloured body at cone 5 with a total shrinkage of 15 per cent and an absorption of 17 per cent. The shrinkages of this clay are too great. A portion of the clay was ground in a ball mill until fine enough to pass an 80-mesh

SESSIONAL PAPER No. 26a

screen when it had fairly good plasticity and was smooth when wetted. Some floor tile samples were made up by the dry process from the ground clay. These tile when burned to cone 5 were slightly off the white colour and were not vitrified, but would probably become vitrified at a slightly higher temperature. This clay makes up into a good casting slip for pouring wares in plaster moulds, but as the shrinkage is excessive it would require the addition of potters flint.

This clay is not affected when heated up to the softening point of cone 30 (1730°C.) and as it may stand a higher temperature than this before softening, the material may be regarded as a high grade of fireclay.

Lab. No. 652. Mottled white and pink, hard clay. This material had a low plasticity when ground and mixed with water.

It burns to a hard buff coloured body at cone 5, with a total shrinkage of 11 per cent and an absorption of 11 per cent.

This sample is not so refractory as 651 as it begins to soften at cone 26 (1650°C.) but it will pass as a fireclay.

Lab. No. 655. Light buff coloured residual clay, hard and only partly kaolinized. This material was ground in a ball mill to pass a 150-mesh screen. In this finely divided condition it had fair plasticity, but was rather short in texture. The material burns to a dark grey vitrified body at cone 5 with a total shrinkage of 14 per cent.

The sample fuses to a slag at cone 18, so that it is only semi-refractory.

These tests show that the deposit is uneven in quality, that the clay forming processes are not completed, as plasticity is generally low and fluxing impurities are rather high in certain portions.

The clays of this deposit as a whole might be worked for the manufacture of a low grade of firebrick or as a mixture with a more plastic clay for making sewer pipe. If the material was crushed and washed it would yield a certain amount of fine clay which could be used in the manufacture of stoneware goods, but the yield of washed clay would probably be too small to repay that operation. As the material is not fine-grained and is not white either in the raw or burned state it cannot be classed as a commercial kaolin or china-clay. The deposit is 16 miles from the nearest point on the Pacific Great Eastern railway.

Brick Clays.

Stoneless glacial clays suitable for brickmaking occur in the valleys from the coast far into the interior along the principal rivers flowing into the Pacific. These clays are generally laminated and often interstratified with layers or beds of sands. They are referred to as the white silts in reports on the geology of the region, but their colours really vary from light grey to yellowish.

The silty clays in the Nicola valley and on the Fraser and Thompson rivers burn to a red colour but those on the upper Columbia valley along the Windermere lakes contain a very high percentage of lime and burn to a buff colour and porous chalky body. All the brick plants in British Columbia use these silty glacial clays in the manufacture of common brick. Clays of this description have been collected from a number of points and tested in the laboratory. Common brick made by the soft-mud process are as a rule the only class of clay product for which they are suitable—but at some localities, however, they are plastic enough to flow through a die smoothly, so that they can be made into field drain tile. Some of the highly plastic varieties may be difficult to dry and have an unduly large amount of shrinkage, but these defects can usually be overcome by the addition of a certain amount of sand.

None of these clays are suitable for the manufacture of vitrified wares as they soften and deform when overburned on account of their low fusibility.

The following samples have been received and the tests made on them subsequent to the publication of the preliminary reports on the clays of British Columbia.¹

¹ Memoirs 24, 25, and 65, Geological Survey, Department of Mines.

Gordon Creek, Yale.—A sample of clay from Gordon creek was sent to the Mines Branch for examination by Mr. A. M. Herring, of New Westminster.

The sample was a massive grey clay, rather silty in character but free from pebbles or coarse grit. It is evidently from those stoneless glacial clays known as the White Silts.

When mixed with 30 per cent of water it has good plasticity and working qualities. It can be dried fairly rapidly without cracking, the shrinkage on drying being 6 per cent.

The clay burns to a porous but strong red body at temperatures from 1,750 to 1,850 degrees Fahr., but if fired at slightly higher temperatures the shrinkage becomes too great and deformation ensues.

This clay is suitable for the manufacture of common red building brick either by the soft-mud or wire-cut process. It would probably also be suitable for field drain tile. The addition of sand is not necessary as the shrinkages within the commercial limits of burning are not too high.

Lillooet district.—An outcrop of a fine, greenish-grey, bedded silt with a few sandy layers occurs on the wagon road to Seton Lake on the north side of Cayoosh creek, and about 1 mile from Lillooet. There is a shear cut bank of silt about 40 feet high and 400 feet long at this place. Eighteen feet of this was sampled, a few coarser layers of sand being omitted. The sample when wet and moulded into tablets showed an air shrinkage of 5 per cent. The shrinkage on burning is very small and the body remains quite porous even when burned to cone 03 (2,000 deg. F.). This silt makes a very fair common red building brick by the soft-mud process, but is not plastic enough for wire-cut brick or drain tile.

Samples of a similar silt from Sheppards ranch at Kersley on the Fraser, below Quesnel, yielded very nearly the same results.

Another sample of clay from the same district was collected by Mr. Charles Camsell, of the Geological Survey. This was a light grey, silty clay which occurs at the mouth of Owl creek, a tributary of the Birkenhead river. Owing to its silty character it does not work up into a very plastic body when ground and mixed with water, but is short in texture and rather flabby. It can be dried quickly after moulding without danger of cracking.

This clay burns to a light red, porous but strong body at a temperature of 1,800 degrees Fahr., with a total shrinkage of only 5 per cent. When burned to 1,900 the brick darken slightly in colour and become more dense in structure. The clay begins to soften at a temperature of 2,000 degrees F.

Good common red building brick can be made from this clay by the soft-mud process, and as the shrinkages are low it would not be necessary to add sand.

Ducks.—Along the valley of the South Thompson river conspicuous terraces have been cut in the silts for a distance of about 30 miles. A sample of this material collected by Professor R. A. Daly from the bluff a short distance below Ducks station, on the north side of the river, had the following chemical analysis, as determined by M. F. Connor, of the Mines Branch:—

Silica	67.38
Alumina	15.53
Iron	2.50
Lime	2.00
Magnesia	0.90
Soda	5.83
Potash	2.46
Titanium	0.40
Manganese	0.07
Water	3.70

100.77

SESSIONAL PAPER No. 26a

Although the 14 per cent of fluxing impurities present in this clay is not very high for a brick clay, the alkalis—soda and potash—are present in unusually large amounts and as these ingredients are very active fluxes the clay consequently will stand very little overfiring without softening.

A sample of this clay from the Monte Creek ranch, in the vicinity of Ducks, was submitted for testing by the Hon. Hewitt Bostock. This was a laminated clay, light grey in colour when dry. It required the large amount of 40 per cent of water to bring it to the best working consistency. It had good plasticity and smoothness, forming a perfect hollow round tile in the hand press.

It stands moderately fast drying without cracking, the drying shrinkage being high on account of the large quantity of water required for mixing.

The clay burns to a light red, hard body at 1,700 degrees F., and appears to make a good common brick at this temperature as far as strength and durability are concerned. As the shrinkage is unduly high even at this low temperature the addition of 25 to 35 per cent of sand would be desirable.

If the clay is burned to 1,850 degrees F. the shrinkage becomes abnormal, the colour bad and the test pieces were checked, warped, and vitrified.

The behaviour of this clay at such a low temperature can only be accounted for by the large percentage of the alkalis which it contains as shown by the foregoing chemical analysis. There is a marked contrast between the clay at Ducks and those at Lillooet, as the latter clays are only beginning to assume their best burned condition at a temperature which overfires the clay at Ducks.

Smithers.—A sample of clay was collected from the east bank of the Bulkley river, 300 yards south of the bridge at Smithers, by J. D. McKenzie, of the Geological Survey, and sent to the Mines Branch for testing.

This material is a stratified, grey, non-calcareous clay, which turns almost black when wet. It requires the large quantity of 40 per cent of water to bring it to the best working consistency. It is smooth and fine-grained and rather sticky but flows fairly well through a round tile die. The shrinkage on drying is 10 per cent, which is excessive.

The clay burns to a good hard red body at cone 010 (1,750 degrees Fahr.). If burned to a much higher temperature than this the shrinkage becomes too great. The clay is easily fusible and cannot be used in the manufacture of vitrified wares. Its uses are confined to the manufacture of common building brick or field drain tile, but it would require the addition of 20 to 30 per cent of sand in order to reduce the shrinkage.

A sample collected by J. J. O'Neill from the bank of the Bulkley river between Hazelton and Telkwa is practically the same kind of clay as that at Smithers.

Australia creek.—A seam of Tertiary clay about two feet thick underlies four and one-half feet of lignite, on the north side of Australia creek, about one mile or so from the Fraser. In a tunnel driven into the coal a sample of the clay was collected twenty feet from the tunnel mouth. This clay was fairly plastic, much more so than the glacial surface silts mentioned above. It shows a shrinkage on drying of 6 per cent and a further shrinkage of 6 per cent when burned to cone 06 (1,030° C.). This shale burns to a good hard brick of deep buff colour.

Because of the carbon present in this clay care should be taken to prevent a too rapid rise in temperature when burning, or bloating will ensue. This shale would require the addition of about 25 per cent of sand for brickmaking. It is not refractory.

Bentonite.

The variety of clay known as "bentonite" occurs at many localities in Wyoming, where it first attracted attention by its peculiar properties. Its position in the Benton formation of the Cretaceous suggested its name.

Bentonite when freshly exposed varies from a light yellow to a light olive green with a waxy lustre. In freshly uncovered outcrops it appears as a bedded joint clay, the blocks varying from roughly rectangular or conchoidal to long slender pieces. The joints are more or less open and occasionally contain crystals and plates of gypsum. The clay is exceedingly fine-grained and has a soapy feeling when wet. It swells and forms a jelly-like mass in an excess of water.

Uses.—Its chief use hitherto has been to give body and weight in the manufacture of paper, but another extensive use of the clay was as an adulterant in the manufacture of cheap candy. A patent preparation much used as a poultice and known as antiphlogiston is made by grinding bentonite in glycerine.

Recently the use of bentonite in the textile industry is suggested for the sizing of yarns. It is said to be valuable for this purpose on account of the large proportion of colloidal silicate of alumina which it contains.

The price obtained for bentonite in 1908 was \$6 to \$7 per ton f.o.b.

Occurrences in Canada.—Bentonite was first discovered in Canada in 1911 by Keele in an excavation in the town of Camrose,¹ Alberta, and later at other localities, notably in the Edmonton formation along the Red Deer river.

Ries describes an occurrence of bentonite on the Triangle ranch near Quilchena in the Nicola valley, British Columbia.²

Samples of material received from various sources in British Columbia proved on examination to be bentonite, but no description of extent of deposit or the exact locality of these occurrences was given. It is probable therefore that this material is not uncommon in British Columbia as well as in Alberta.

Although many of the samples examined had all the characteristics of bentonite they also contained a certain amount of mud or clay, and it is probable that this impurity would unfit them for most of the above uses.

Chemical Analyses of Bentonite.

	Crook County, Wyoming*.	Camrose, Alberta**.
Silica.....	61·08	69·14
Alumina.....	17·12	14·50
Iron.....	3·17	2·56
Lime.....	2·69	2·45
Magnesia.....	1·82	1·14
Potash.....	.....	19
Soda.....	·20	1·25
Sulphur trioxide.....	·80	1·70
Loss on ignition.....	12·10	7·71

*Wyoming Experimental station, Bull. 14, p. 193, 1893.

**Memoir 25, p. 89, Geological Survey, Dept. of Mines, Canada.

Origin of Bentonite.—Two samples of residual clays and of the parent rock from which they were derived were collected by Mr. Reinecke during the summer of 1917 near Seventeen Mile house on the Cariboo road in the valley of the Fraser river.

These clays had that sticky type of plasticity when wet and the moulded shapes made from them cracked badly while drying which is characteristic of clays containing bentonite. On mixing the clays in an excess of water and screening the coarse particles out a yellowish fine-grained residue was obtained on evaporation. This residue became gelatinous in water and had every appearance of bentonite.

¹ Memoir No. 25, Geological Survey, Dept. of Mines, pp. 56 and 89.

² Memoir No. 25, Geological Survey, Dept. of Mines, p. 73.

SESSIONAL PAPER No. 26a

Thin sections of the rocks from which these clays were derived when examined under the microscope by Mr. Reinecke showed that one was an andesite composed of crystals of plagioclase, hornblende, and biotite, lying in a light-coloured glass, the glassy portion of the rock being in process of alteration into sericite. The other rock was a dacite ash composed of quartz and plagioclase crystals in a matrix of glass.

The amorphous glass of these rocks is easily attacked by weathering and is probably the constituent which passes so readily into the colloidal form.

Another sample of clay was collected by Dr. Ferrier from the valley of Deadman river a short distance above the mouth of Gorge creek in the Kamloops district. The clay is deposited in a flat at the base of outcrops of volcanic rock and is evidently composed of the weathered products of these rocks. It is dark grey in colour and hard when dry, but when wetted it is almost black and becomes a stiff, sticky paste, which is hard to work.

The dry clay absorbs an excessive amount of water on account of the large quantity of colloidal matter it contains and it cracks badly in drying.

Several other examples of clays, which contain an excess of colloidal material were obtained from localities where volcanic rock prevails in the bed-rock.

As clays which are residual from any other rocks do not have this property, but are on the contrary rather short in texture and lacking in plasticity, it is suggested that the volcanic rocks are the source of that gelatinous clay known as bentonite.

Volcanic Ash.

Extensive beds of white, soft material are situated along the side of the valley at Deadman lake, about 20 miles north of Savona. These deposits have attracted considerable attention for some years and samples from them have been widely distributed. The material has been variously determined as kaolin, diatomaceous earth and volcanic ash.

The locality was visited and the deposits examined and sampled by Dr. W. F. Ferrier during the summer of 1918.

A microscopic examination showed that the material contains no diatoms and as it lacks plasticity and has a low melting point—cone 9—it cannot be regarded as kaolin. The conclusion that has been reached is that the material is volcanic ash.

The following chemical analysis gives its composition:—

Silica	71.00
Alumina	14.90
Iron	1.70
Lime	1.40
Magnesia	trace.
Alkalis by difference	2.20
Loss on ignition	8.80

The sample collected by Dr. Ferrier and submitted to the physical testing laboratory for examination consisted of finely divided white powder with a number of very friable and loosely cemented lumps ranging from $\frac{1}{2}$ -inch to $1\frac{1}{2}$ -inch in diameter. A sample of this material was taken and crushed by hand in a mortar to its natural grain and a screen analysis made, with the following result:—

	Per cent.
Retained on 35 mesh . . . . .	...
“ “ 48 “	0.10
“ “ 65 “	0.30
“ “ 100 “	0.60
“ “ 150 “	0.80
“ “ 200 “	14.50
Through 200 “	83.60

From this it can be seen that over 80 per cent of the material passes the 200 mesh. The lumps are very easily crushed to this size.

Under the microscope the material appears to consist of small, flake-like particles, transparent and of a glassy nature, many of the particles showing strain and stress lines. Occasional particles of quartz could be identified. The particles are sharp and angular.

It is possible that this substance could be used as a scouring material, as a soap filler in the manufacture of hand cleaner, or a polishing material if properly prepared.

EASTERN ONTARIO.

With the exception of a small area of shales situated to the east of the city of Ottawa the material available for the manufacture of brick and tile consists of the stoneless surface clays which are distributed in large or small patches over the region. The intervening areas between the patches of stoneless clays are covered either with stony glacial drift or boulder clay or sand and gravel. In places sand or gravel overlie the stoneless clays, and are sometimes of such a thickness as to render the clay inaccessible.

Marine Clays.

The largest areas and thickest deposits of stoneless clay are of marine origin, and are the sediments laid down in the extensive body of water or estuary which occupied the St. Lawrence and Ottawa valleys during the waning stages of glaciation.

Such clays are most in evidence in the counties bordering the Ottawa river from its junction with the St. Lawrence river as far up as the town of Pembroke, in Renfrew county. They also extend up the Bonnechere river valley as far as Caldwell, in Renfrew county.

Except for small isolated patches at Prescott, Brockville, and elsewhere, the marine clays are absent in the counties bordering the St. Lawrence river.

In the raw state the marine clay is of a monotonous grey colour, occasionally it has a reddish-brown band or layers but the prevailing colour is grey. Where roads cross it they are generally bad and in prolonged wet weather are almost impassable, owing to the pasty mass of mud into which the clay becomes worked by the passing traffic.

This clay varies in thickness from a few feet to about 200 feet in some of the river valleys. The largest areas of clay occur in Russell and Prescott counties.

The following analysis shows the chemical composition of the marine clay at Ottawa, and is representative of the area as a whole:—

	Per cent.
Silica	58.36
Alumina	20.20
Iron	4.68
Lime	4.23
Magnesia	3.50
Loss on ignition	4.73
Alkalis by difference	4.00

The marine clay is generally characterized by a sticky type of plasticity, poor drying qualities, and high shrinkages in drying. It burns to a fairly hard and very porous red coloured body at low temperatures, but is easily overfired and softened if subjected to higher temperatures. The commercial limit of burning is about 1,800 degrees Fahr. if a pyrometer is used. If pyrometric cones are used as firing checks the limit will be at about cone 06. A reference to the table of physical tests shows that the clay matures at cone 010, that it is not much improved by burning to cone 06, but that it is not safe to go beyond this or overfiring will ensue. For this reason it would be futile to attempt to use it for the manufacture of vitrified wares.

SESSIONAL PAPER No. 26a

Lake Clays.

The marine clays extend westward into Leeds, Lanark, and Renfrew counties, being worked for brickmaking at Brockville, Smiths Falls, and Carleton Place. To the west of these points the stoneless clays worked for brickmaking are different in some respects to the marine clay and are probably sediments deposited in former lake basins which were partly bordered by glacial ice.

The lake clays nowhere attain to the thickness or form such extensive plain-like areas as the marine clays of the Ottawa and St. Lawrence valleys, but are confined to small isolated patches in a region where the surface materials are mostly either stony clay, or sand and gravel, or large areas of bed-rock wholly bare or covered with only a thin coating of glacial drift. The deposits of lake clay are larger and more frequent near the shore of lake Ontario than in the upland region to the north. The small patch of stoneless clay at Tweed, in Hastings county, is the only brick clay deposit along the Canadian Pacific railway between Smiths Falls and Peterborough, a distance of 134 miles, while along the line of the Grand Trunk railway, situated much nearer the shore of Lake Ontario, there are several workable deposits of brick clays, besides those now worked at Kingston, Napanee, and Belleville.

The lake clays in eastern Ontario like the marine clays are of a prevailing grey colour, but they are much oftener stratified in thin layers than the latter, which are more inclined to be massive and structureless, especially in the upper portion.

The lake clays are rather coarser in texture and not so pasty when wet, consequently the shrinkage on drying is not so great and drying troubles are not so frequent. The colour obtained on burning all the surface clays is red, but at a few points the underclay burns to a buff colour. The lake clays do not shrink so much on burning as the marine clays, and they will stand a slightly higher temperature without danger of overfiring.

CLAYWORKING INDUSTRY.

The clayworking industry of eastern Canada is at present confined to the manufacture of common brick made by the soft-mud process and to field drain tile, using the stoneless surface clays for this purpose. The large shale brick plant at Russell, in Russell county, erected for the manufacture of face brick, was not in operation during the past season.

The common brick plants use the simplest means of production and the smallest possible amount of machinery, hence they can afford to lie idle during the long winter period, as the interest charges on capital invested are small. There is a tendency to overload the clay with sand when making the mixture, and while this makes the working and drying easier and reduces the shrinkages, it also lowers the strength of the brick, the underburned ones especially being very weak and practically useless for structural purposes.

Fire checking is a common defect in the bricks made at several of the yards using both marine and lake clay. This defect consists of cracks partly or wholly across the brick which consequently break in two or more pieces when handled. A series of experiments were undertaken by the writer to remedy this defect, with the result that the easiest method was to add about 1 per cent of common salt to the wet clay when pugging. The addition of salt is very effective in assisting in the drying and afterwards preventing the fire checking. The salt addition is tried at the brickyard at Arnprior and has resulted in the elimination of the waste brick formerly accumulated there.

The amount of drain tile for agricultural purposes produced in eastern Ontario is quite inadequate to supply the demand. The plants making drain tile are two in Renfrew county, at Arnprior and Renfrew, one in Leeds county, at Gananoque, and one at Foxboro, in Hastings county. These plants make brick as well as tile, but usually provide small round down-draught kilns for burning the tile.

Shale Deposits.

Among the different shale formations which occur in eastern Ontario, only two, the Lorraine and Medina, were found suitable for the manufacture of brick and tile.

The Lorraine shale is found a few miles east of the city of Ottawa and extends about 16 miles eastward.

Outcrops are seen at Ramsey, Hawthorne, and near Vars, on the Grand Trunk railway, but most of the exposure shows only a few feet in thickness of the formation, so that it is difficult to estimate the character of the material without excavating.

It is apparently similar to the grey shale worked at Toronto and Mimico, in southwestern Ontario, but is more gritty and not nearly so plastic when ground and mixed with water. Its properties as far as the behaviour on burning and the character of the ware produced is the same as the Toronto material, but unlike the latter, cannot be used alone for the manufacture of hollow ware on account of its lack of plasticity.

A mixture of marine clay and ground Lorraine shale will make a very fine grade of hollow ware for structural purposes.

This shale does not seem to possess the vitrifying qualities which would ensure the production of paving block, which is unfortunate, as ware of this kind is required in Ottawa and Montreal and is very costly to import.

The Lorraine shale is not used at present in the clayworking industry of eastern Ontario, but the products which can be made from it include wire-cut common brick, tapestry brick, dry-press brick, fire-proofing, drain tile, floor tile, etc., with good red to brown colour or flashed effects.

The Medina shale overlies the Lorraine and is restricted to a small patch of a few square miles in extent situated between the villages of Russell and Vars, in Russell county. This is a reddish, gritty material which when ground finely and mixed with water can be worked in stiff-mud machinery for the manufacture of brick.

Very fine red face brick, both rough plastic and dry-pressed, can be made from this shale, but it would require the addition of some of the highly plastic surface clays in order to produce hollow ware.

The largest clayworking plant in eastern Ontario is located at Russell, on the New York and Ottawa railway, for the purpose of working the Medina shales which outcrop about a mile north of the village.

This plant was not in operation during the last season and the stock of brick is exhausted. It is unfortunate that the fine brick made at this plant cannot be procured as it was the only good face brick produced in the district, so that brick of this class for use in Ottawa will have to be procured in Montreal or Toronto.

The Medina shale at Russell does not appear to be suitable for the manufacture of vitrified paving brick, as it is easily overfired and deformed owing to its short vitrification range.

Black fissile shale crops out on the east bank of the Rideau river, at Ottawa. The shale is rather gritty when ground finely and it carries a small amount of carbonaceous matter which causes trouble in burning. Good wire-cut brick or hollow ware can be made, however, by adding some of the marine clay which occurs overlying it.

Experiments made at the Mines Branch laboratories indicated that a mixture of equal parts of ground shale and marine clay makes a good working body in the raw state and with careful burning produces a good quality of structural wares.

The Peerless Brick Company of Ottawa are installing the necessary machinery and building a series of round down-draught kilns with the intention of making wares from the shale and clay mixtures.

SESSIONAL PAPER No. 26a

Summary Table of Physical Tests on Surface Clays in Eastern Ontario.

Locality.	Laboratory number.	Percentage water required for mixing.	Percentage drying shrinkage.	Conc 010		Conc 06		Conc 03		Burned colour.	Remarks.
				Percent- age fire shrink	Percent- age ab- sorp.	Percent- age fire shrink	Percent- age ab- sorp.	Percent- age fire shrink	Percent- age ab- sorp.		
Cornwall.....Stormont county..	648	35	11	1	14	1	12	5	7	Red....	Badly fire checked.
Treadwell.....Prescott	332	38	9	0	13	1	12	3	7	"	33 p. c. sand added.
Lemieux....."	333	30	10	1	13	3	8	3	"	"	Softens and deforms at conc 03.
Napan.....Russell	337	31	9	0	15	1	15	6	0	"	"
Black Rapids.....Carleton	330	27	9	1	12	2	9	6	0	"	Upper clay above lock.
Ridau Junction....."	331 (a)	.....	5	0	11	0	11	9	9	"	Very sandy clay.
Ottawa....."	237	.....	9	0	17	2	16	9	0	"	Upper clay, Peerless Brick Co.
"....."	235	.....	6	0	17	1	15	3	3	"	Bottom clay, "
"....."	241	.....	10	0	17	2	12	.....	.....	"	Softens at conc 03.
Graham Bay....."	367	30	10	0	15	2	12	.....	.....	"	Bottom clay.
Pitzroy Harbour....."	338	32	8.5	0	16	0	15	8	0	"	Upper clay.
"....."	598 (a)	30	8	0	17	0	15	4	1	"	Bottom clay.
"....."	589	23	1	0	15	0	14	4	1	"	Upper clay.
Carleton Place....."	589 (a)	23	1	0	17	0	16	5	0	"	Bottom clay.
"....."	357	30	9	0	15	.....	.....	.....	.....	"	Average of bank.
Pakenham.....Lanark	330 (a)	30	10	1	16	2	15	.....	.....	"	Upper clay, Baker's brickyard.
Arnprior.....Renfrew	580	28	5	0	20	0	20	10	0	Salmon	Bottom "
"....."	591	35	9	0	11	1	10	9	0	Red....	Lower part of bank
Castleford station....."	592 (a)	30	10	0	17	0	16	7	0	"	Upper clay, old brickyard.
Renfrew....."	592	28	8	0	22	0	21	1	14	Buff....	Lower "
"....."	592	35	8.5	0	18	1	18	5	0	Red....	Upper clay.
Douglas....."	335	35	8	1	20	2	18	.....	.....	"	Softens and deforms at conc 03.
White Lake....."	595	35	8	1	20	1	13	.....	.....	"	Horton twp. con. VII, lot 27.
Horton....."	646	30	8	1	15	1	13	.....	.....	"	Upper clay.
Golden....."	615	30	8	1	14	2	13	.....	.....	"	Softens at conc 03.
Pembroke....."	647	24	10	2	12	2	10	.....	.....	"	Upper clay on C.N.R. line.
Smith's Falls.....Lanark	339	31	8	1	16	2	16	8	0	"	Softens at conc 03.
Scotch line....."	601	31	8	0	17	0	16	.....	.....	"	Fire checked.
Brockville.....Leeds	231	27	7	0	20	1	18	5	9	"	Bottom clay.
Phillipsville....."	602	31	7	0	22	1	22	4	0	"	Fire checked.
Kingston.....Frontenac	241	30	7	0	20	2	17	1	9	"	Kingston Brick & Tile Co.
"....."	263	35	7	1	23	2	19	5	6	"	Cataquet creek.
"....."	396	30	9	0	15	2	12	6	0	"	Brookside farm.
Napanee.....Addington	230	30	7	1	17	3	15	8	0	"	Fire checked.
Tweed.....Hastings	603	32	7	0	14	0	13	3	6	"	Sample from brickyard.
Madoc....."	648	36	8	0	18	0	16	8	3	"	"
Stirling....."	604	23	6	0	21	0	20	4	0	"	Rawdon twp., con. II, lot 8.
Foxboro....."	649	31	7	0	16	0	16	4	7	"	Sample from brickyard.

Explanation of Physical Tests.

The clays were made up for testing without the addition of sand or any other substance except in the one instance where 33 per cent of sand was added. The clay was brought to its best plastic working condition and moulded into test pieces 4 by 1½ by 1 inch in size. Fine lines were impressed on the test pieces in order to measure the subsequent drying and burning shrinkages.

The burning was done in an oil-fired muffle kiln, the duration of burning being eight hours. Standard pyrometric cones and a recording pyrometer having a platinum rhodium couple were used as measures of the heat treatment. It was found that cone 010 went down at about 1,700 on the pyrometer, cone 06 at 1,850, and cone 03 at 1,950 degrees Fahr. as registered on the pyrometer.

The character of the burned body at the different temperatures is indicated in the tables by the shrinkage and absorption, the effect of increasing heat being to make the test pieces smaller and denser in most cases, so that under the cone 03 column the figures for fire shrinkage increase greatly and those for absorption decrease. Vitrification has been accomplished in many of the samples when raised to the higher temperature so that their capacity for absorbing water has vanished.

The tests show that the drying shrinkage of nearly all the clays given in the table is too high, and that the fire shrinkage becomes too high when the softening temperature of cone 06 is passed. The total shrinkage of the test pieces is obtained by adding the drying and fire shrinkage. Sand is added in practice to correct this shrinkage the mixtures usually adopted being three parts of clay to one part sand or two parts of clay to one part sand.

The time taken in burning has an effect on the character of the body produced in clays. If the time of firing is prolonged a denser body is produced without a raise in temperature than in the shorter time. In firing most of the red burning surface clays of Ontario in commercial kilns the body is matured at temperatures between 1,700 and 1,850 degrees Fahr., but if the temperature in the kilns should reach about 1,900 degrees most of the bricks at the top of the down-draught kilns would be softened and deformed.

POTTERY MATERIALS.

Clays.—Up to the present we are not aware of the occurrence of refractory, semi-refractory or stoneware clays in southern Ontario. Clays of this kind are generally imported from the United States or from England.

Some of the brick clay deposits in eastern Ontario may be suitable for the manufacture of flower pots, but these do not appear to be of use for any better grade of pottery. Although the brick clay may be thrown on the potters' wheel it is very liable to check in drying or in the firing. On account of the sticky character and short texture of the brick clays they are not suitable for making built or modelled pottery but they might do for ornamental tiles. Schools which have a difficulty in getting a better clay might use the local clay for the latter purpose.

Silica.—The light-coloured beds of the Potsdam sandstone and the quartzites of the Grenville series in eastern Ontario can be used as a source of silica for pottery bodies.

Talc.—There are extensive deposits of talc at Madoc, in Hastings county. The two companies which operate in that locality grind and prepare the talc for various uses, the chief of which is paper filler and toilet specialties.

A small quantity of talc is sometimes used in pottery bodies for cooking ware. It is said to impart toughness and resistance to sudden changes of temperature in pottery. The talc from Madoc will stand a temperature of about 1,350 degrees C. before softening.

SESSIONAL PAPER No. 26a

Apatite.—The use of apatite has been suggested as an ingredient in a porcelain body as a substitute for bone ash¹ as these materials are both calcium phosphate.

Apatite is mined at several points in eastern Ontario. It has semi-refractory properties as it is not fused under a temperature of 1,470 degrees C.

Mixtures of apatite and talc have a far lower fusing point than either material alone. Experiments carried out in the Ceramic laboratory show that a mixture of equal parts talc and apatite will fuse at as low a temperature as 1,220 degrees C.

A pottery body compounded with a portion of this mixture would vitrify at a comparatively low temperature.

NORTHERN ONTARIO.

POTTERY AND FIRECLAYS.

In the Summary Report for 1917 the chemical analysis and physical tests were recorded of certain high grade clays which occur on the Mattagami and Missinaibi rivers.

During the summer of 1918 Mr. C. M. McCarthy, of Elk Lake, examined and sampled the deposits on his property on the Mattagami river located near the lower end of the Long Portage.

The test pits and trenches dug by Mr. McCarthy on the sloping river bank revealed several different beds of clay hitherto concealed by the drift from the top of the bank. The clay beds are found to a height of 25 feet above the river. A seam of lignite a few inches thick lies above the clay and glacial drift lies above this to the top of the bank about 125 feet above the water.

Properties of the Clays.

According to description the clay beds lying below the glacial drift vary in thickness from 2 to 25 feet but no accurate measurements were made. Ten samples were sent to the Mines Branch laboratories for examination. This is the first time that the deposits were sampled in detail.

The clays are smooth and free from coarse grit with good plasticity and working qualities. Only sample No. 10 contained a quantity of coarse quartz grains which had to be separated by washing. The contrast in colour and texture of these materials to the ordinary glacial clays of the region is very striking.

The following table shows the character of the various clays when burned in a commercial stoneware kiln to cone 7.

A portion of each sample was dipped in Albany slip glaze before firing. The glaze was found to be fully matured when the samples were drawn from the kiln.

Number of Sample.	Raw Colour.	Burned Colour	Cone 7—1270°C—2318°F.	
			Percentage of Total Shrinkage.	Percentage Absorption.
1.....	Pink.....	Buff.....	16	2
2.....	Pink.....	Cream.....	15	2
4.....	Buff.....	Pink.....	16	3
5.....	Orange.....	Red.....	13	13
6.....	Orange.....	Red.....	12	12
7.....	Black.....	White.....	9	15
8.....	Drab.....	Cream.....	12	8
10.....	White.....	White.....	12	12
11.....	Light grey.....	Cream.....	13	6
12.....	White.....	Cream.....	.....	10

¹ Summary Report, Mines Branch, 1916, pp. 108-111.

Uses of the Clays.

These clays fall into two groups: those that are high in iron and those that have a low iron content. The iron has an effect on the colour, particularly in the burned state, and also on the refractoriness. The first group, however, are fireclays with the exception of number 5, which begins to soften at cone 20—1,530° C.—and is the least refractory of the group. The others do not begin to soften until the deformation point of cones 26 and 27—1,650 to 1,670° C.—are reached.

The samples 7 to 12 are highly refractory, 10 and 12 being No. 1 fireclays as they do not deform at cone 33—1,790° C. This is the first record of the occurrence of No. 1 fireclays in Canada.

Owing to their variety of character these clays are suitable for the manufacture of quite a wide range of clay products. Numbers 1, 2, and 4 are vitrified at the temperature indicated, but have a very high shrinkage, which would require to be corrected by mixtures. These are suitable for the manufacture of stoneware goods and sewer pipe or other vitrified products as well as firebrick. Clays 7 to 11 are high grade materials which would be suitable for retorts, crucibles or firebrick in the crude state and if washed for the manufacture of electric or sanitary porcelain as well as floor and wall tiles.

Age of the Clays.

As these clays occur in such a remote region and isolated from all other known deposits of a similar kind it is desirable to compare them with clays which are accessible and which are being used in the clayworking industry.

These clays lie near the northern margin of the crystalline rocks of the Pre-Cambrian upland. The rocks exposed in the river bank a short distance north of the clays are of Devonian age. A heavy cover of glacial drift lies above the clays. The bottom of the clays was not seen.

The only other clays so far known in Canada which resemble those on the Mattagami river are those which occur in the Musquodoboit valley in Nova Scotia. Samples Nos. 1 and 2 from the Mattagami are similar in all respects to certain beds of the Nova Scotia clays which are used in the manufacture of stoneware goods in the pottery at St. John, N.B.

The Nova Scotia clays are similar to the cretaceous clays worked so extensively on the Atlantic coastal plain in New Jersey for use in many branches of the clayworking industry.

The clays in the Mattagami river are certainly pre-glacial, and may be of Cretaceous age. No fossils have yet been found in them.

SESSIONAL PAPER No. 26a

ROAD MATERIALS DIVISION.K. A. CLARK, *Chief of the Division.*

Field work for the season of 1918 in the investigation of road materials was carried on in Manitoba, in Rocky Mountains Park, Alberta, and in British Columbia. It was also planned to have continued work in Ontario along the route of the Toronto-Montreal road. The entrance into the army of R. H. Picher necessitated the postponement of this plan. Work of the Road Materials Division has been confined for the most part in the past to Ontario and Quebec. Special requests from other parts of the country made it seem advisable to extend the field of work. It was consequently arranged to co-operate with the Good Roads Board of Manitoba and the Public Works Department of British Columbia in becoming familiar with the problems connected with road building in these two Provinces, and in determining and commencing a line of work which this division was in a position to carry on and which would yield useful results. In response to a request from the Department of the Interior that materials in Rocky Mountains Park be examined, it was arranged that a day or so be spent there in looking over the ground in order that systematic work could be planned for the future.

A great many samples of rock, gravel, soils, etc., were collected during the season and sent to the laboratory at Ottawa for examination. Several samples of rock were also collected and submitted to us for examination by Mr. Faribault, of the Geological Survey, in connexion with his geological work in Nova Scotia. All these samples have been examined and results of the tests appear in the accompanying tables.

Acknowledgment is due to Mr. Henri Gauthier for his assistance in carrying on the field work in Manitoba and to both Mr. Gauthier and Mr. Picher for their part in the handling of the laboratory investigations. The Geological Survey very generously co-operated by allowing the Division use of equipment, particularly in the matter of a Ford car, in connexion with the Manitoba work. The Division also wishes to express appreciation of the cordial and enthusiastic spirit shown toward it by the Highway Departments of Manitoba, British Columbia, and of Rocky Mountains Park. Mr. Lyons, chief engineer of the Manitoba Good Roads Board, Mr. Foreman, Public Works engineer for British Columbia, and Mr. Wardle, Superintendent of Rocky Mountains Park, spared no effort in putting every facility that would aid the work at the disposal of the Road Materials Division. Their assistants were always ready with time and attention to help in any way.

The main object of the season's work in Manitoba as well as in the other provinces of the west was to observe conditions and try to determine what is to be the field of activity of the Road Materials Division in aiding in the handling of the highway problems of this part of the Dominion. In order to be systematic, however, attention in Manitoba was confined to the neighbourhood of Winnipeg and to the route of the Winnipeg-Brandon road. All deposits of rock and of gravel were examined. These materials are far from general in their occurrence. Rock is confined to the limestone of several deposits in the Winnipeg neighbourhood, gravel occurs in eskers such as that at Bird's Hill, northeast of Winnipeg, in the beaches of ancient Lake Agassiz, and in the delta deposits of the Assiniboine river around Brandon. For the most part, rock and gravel are not available, except at very considerable expense, for rural road construction work.

It seems obvious that for the improvement of the majority of the rural roads, improved methods of earth road construction will have to be depended upon. Acting on this conviction, especial attention was paid to soils and many samples were collected over the entire route from Winnipeg to Brandon. These samples were calculated to represent all the types present and to be a basis for experiments in mix-

tures of soils for making sand-clay road surfaces and for use in investigations in bringing out the desirable and suppressing the bad physical properties by whatever means that can be devised. While all soil samples collected have been examined, the investigation of the soils from the road material standpoint has only been started. A necessary preliminary step, however, has been made and work will continue until, it is hoped, some practical result will be reached.

Two days only were spent at Rocky Mountains Park. The time was spent in going over the auto road through the park and noting conditions. Samples of rock, shale, and gravel that it was thought desirable to collect for laboratory examination for preliminary information in planning further work in the park were collected later by the park staff.

A month and a half was spent in British Columbia in visiting the different engineering districts and going over the roads with the district engineers. A good many samples of rock, gravel, and soil were collected. Around Vancouver samples were obtained from all the quarries which supply stone to the city.

The problem in British Columbia, and also at Rocky Mountains Park, is to secure a satisfactory road surface by the use of the materials occurring on or close to the right of way. Because of the mountainous nature of the country, it is not practicable to go far afield for material. The roads, for the most part, keep to the valleys where deposits of gravel are of pretty general occurrence. Deposits of weathered rock fragments are frequently met which give good results when placed on the road. Soil conditions vary. The large silt deposits in the interior of the Province, such as those in the Thompson, Okanagan, and Columbia valleys, are prominent features along the roads in these parts. They do not provide very satisfactory road surfaces, although it is only the silt of the Thompson valley that is particularly troublesome. The traffic on the highways is not heavy. The roads serve mostly as a means of access to the country. They are not called upon to carry much traffic of a commercial nature. Automobile touring, however, is commencing to become an important factor that must be reckoned with in the road construction programme. Just as soon as missing links in the provincial system of roads are built providing through routes through the country, a large volume of tourist auto traffic will be ready to avail itself of the splendid mountain scenery that will be made accessible. This traffic will call for road surfaces with the best binding quality that it is practicable to provide. It will be a considerable time before bituminous surfaces can be built. The immediate problem is to get the best results possible with the materials such as gravel, weathered rock and the natural soils, which are at hand. This is a problem in which it would seem that the Road Materials Division can be of use and it is to this problem that it is planned that its attention, for the present, will be turned.

TESTS ON BED-ROCK.

During the year a considerable number of samples of broken stone from quarries and rock deposits have been tested. Samples were obtained from Nova Scotia, Manitoba, Rocky Mountains Park, Alberta, and British Columbia. The results of tests on these samples are recorded in the accompanying tables.

The tests for specific gravity and water absorption need no explanation. Absorption results are reported as pounds of water absorbed per cubic foot of rock.

The abrasion test duplicates in a practical laboratory way, the abrasive action of traffic on the stone in a road-bed. The test is made on fifty pieces of stone of cubical shape, and of about the same size, which in the aggregate weigh 5,000 grams (11 pounds). This charge is revolved for 10,000 revolutions in an iron cylinder (20 by 34 cms.) set at an angle of 30° across the axis. The percentage by weight of the charge worn to powder by this operation is reported as the per cent of wear. The French co-efficient of wear is calculated from the per cent of wear by dividing the latter value into 40. Values for the French co-efficient of wear vary over a wider range than

SESSIONAL PAPER No. 26a

values for the per cent of wear for the same change in the quality of rock, and also show increasing values for increasing resistance to wear.

The hardness test measures the resistance possessed by a rock to wear produced by dry grinding with an abrasive. Two cores 1-inch diameter, and cut from a solid block of the rock by a diamond drill, are used in the test. These cores are fastened in holders, and are made to rest on end under the pressure of a fixed total initial weight, on a revolving disc carrying a standard artificial quartz sand. The loss in weight of each core during 1,000 revolutions of the disc is noted. One-third of the average loss of the two cores subtracted from 20 is reported as the hardness of the rock.

The toughness test measures the resistance of a rock to fracture by impact. It is intended to duplicate the stresses undergone by rock fragments in a road-bed through the impact of horses' hoofs and of swiftly moving vehicles passing over slight obstructions in the roadway. The test is made on cylinders 1-inch diameter and 1-inch high, carefully prepared from diamond drill cores. The cylinders are subjected to blows from a 5-kilogram hammer, transmitted to the cylinders by a plunger with a spherical end resting on the cylinder. The height through which the hammer is dropped is successively increased by 1 centimetre, until the point of failure of the cylinder is reached. The height of the blow in centimetres causing failure, is taken as the toughness of the cylinder. The average of results on at least three cylinders is reported as the toughness of the rock.

A table compiled by the United States Office of Public Roads, from the results of their experience in correlating the results of laboratory tests with the behaviour of rock when used in road construction, is probably the best attempt that has been made to interpret the results of laboratory tests. This table, in slightly modified form, is given below. Reference to it will give a general idea of the type of road construction for which a rock, on which results of tests are available, is suited.

General Limiting Values for Broken Stone.

(United States Office of Public Roads, Washington, D.C.)

Type of Construction.	Traffic.	Limiting Values.			
		% Wear. ²	Fr. Coef.	Toughness.	Hardness.
Water-bound macadam, plain or with dust palliative treatment.....	{ Light.....	8.0 to 5.0	5 to 8	5 to 9	10 to 17
	{ Moderate.....	5.0 to 2.5	9 to 15	10 to 18	14 or over
	{ Heavy.....	2.5 or less	16 or over	19 or over	17 or over
Macadam with bituminous carpet.....	Light to moderate..	8.0 or less	5 or over	5 or over	(5)
Bituminous macadam with seal coat.....	Moderate to heavy..	5.5 or less	7 or over	10 or over	
Bituminous concrete.....	{ Light to moderate..	5.5 or less	7 or over	7 or over	(5)
	{ Moderate to heavy	4.0 or less	10 or over	13 or over	
Binder course for sheet asphalt or Topeka type.....	Any.....	5.5 or less	7 or over	6 or over	(5)
Portland cement concrete.....	Moderate to heavy..		(4)	8 or over	16 or over
Stone paving blocks ³	Any.....		(4)	9 or over	16 or over
Broken stone foundations... } Cement concrete foundations. }	Any.....	13 or less	3 or less	3 or over	8 or over

1 Light traffic is assumed as less than 100 vehicles per day, moderate traffic between 100 and 250 vehicles, and heavy traffic over 250 vehicles per day.

2 Limiting values for the per cent of wear are not given in the table as published by the United States Office of Public Roads. The limits given in the above table are based on the limiting values for the French coefficient of wear, and are included for the convenience of those who prefer to think in terms of per cent of wear rather than in terms of French coefficient.

3 Crushing strength of 20,000 pounds, or greater per square inch, is frequently required.

4 Limits for French coefficient of wear (or per cent of wear), are not at present considered necessary for this type of construction.

5 Numerous tests have shown that limits for hardness are unnecessary if the material possesses the required French coefficient of wear (or per cent of wear) and toughness.

TESTS ON GRAVEL.

The results of all tests made on gravel samples by the Road Materials Division to date are recorded in the accompanying tables. The samples tested represent material occurring along the Hull-Montreal road in the counties of Two Mountains and Vaudreuil, along the Toronto-Montreal road from the Quebec boundary west to Prescott and from Napanee west to Port Hope, in the neighbourhood of Winnipeg and along the Winnipeg-Brandon road between these two cities, along the Banff-Kananaskis road in Rocky Mountains Park, Alberta, as well as a number of deposits in the various engineering districts of British Columbia. A number of samples of Saskatchewan gravels from the neighbourhood of Regina were tested in the Road Materials Laboratory by L. Reinecke. These results have been reported in a Geological Survey publication.¹

The sampling and testing of gravel has not as yet been developed to a very satisfactory state. One of the problems to which this Division is giving attention is the improving of methods of sampling and testing of this material so as to secure data of more practical value. The figures recorded in the tables are intended simply to give a general indication of the gravel deposit in question by showing its character, *i.e.* the percentage of boulders (over 3-inch in diameter) which occur, the durability of the material of which the pebbles are made, and the proportion in which gravel and sand occur, and also the grading according to sizes of the particles making up the gravel and sand constituents. Gravel deposits are practically always variable in their grading from point to point. One mechanical analysis cannot, as a consequence, express the grading of the material. As already said, it can only be an indication, and its value will depend on the judgment of the collector in choosing a sample which will best represent the bulk of the material available for use. It is useless, if not deceptive to give results in anything more than round numbers. In any case, present criteria for the practical interpretation of such results demand no greater accuracy. The collecting of all samples reported upon has been carefully done and the results can be relied upon to give the best information that a single set of figures can do.

The percentage of boulders is determined by a field inspection of the gravel face exposed in the deposit. The classification of the material of which the pebbles are composed into durable, intermediate, and soft is made by the examination of a hundred or more pebbles. The pebbles are cracked with a hammer to reveal the nature of the rock. Experience in testing rock for road building properties enables one to judge with considerable accuracy the durability of the material. The durable class includes pebbles composed of rock which would give, in the abrasion test for wear, less than three per cent of wear, the intermediate class between three and six per cent wear, and the soft class greater than six per cent of wear. The proportion of gravel to sand is obtained in the operation of making the mechanical analysis. Screens with circular openings designated by the diameter of the opening and Tyler standard sieves with square openings designated by the number of meshes or openings to the inch are used in making the mechanical analysis. In the case of the Manitoba gravel samples, cement mortar tensile strength tests were made. This was done at the request of the Manitoba Good Roads Board. Compression tests would have been more satisfactory but unfortunately large enough samples were not available in many cases.

Probably the best attempt at setting limiting values for the interpretation of tests on gravel has been made by the United States Office of Public Roads. Their schedule is here quoted.

¹ Geological Survey Memoir No. 107.

Interpretation of Results of Physical Tests.

(U. S. Office of Public Roads, Washington, D.C.)

GENERAL LIMITING TEST VALUES OF GRAVEL.

(a) Gravel to be used in road construction to be composed of hard, durable fragments of rock, together with sand clay or other binding material, with the proportions of the various sizes as noted below.

(1) For use in the base course of gravel roads.

All to pass a 2½-inch screen and to have at least 55 and not more than 75 per cent retained on a ¾-inch screen.

At least 25 and not more than 75 per cent of the total coarse aggregate (material over ¾-inch in size) to be retained on a 1-inch screen.

At least 65 and not more than 85 per cent of the total fine aggregate (material under ¾-inch in size) to be retained on a 200-mesh sieve.

The cementing value of the material under ¾-inch to be at least 50.

(2) For use in the top course of gravel roads.

All to pass a 1½-inch screen and to have at least 55 and not more than 75 per cent retained on a ¾-inch screen.

At least 25 and not more than 75 per cent of the total coarse aggregate to be retained on a ¾-inch screen.

At least 65 per cent and not more than 85 per cent of the total fine aggregate to be retained on a 200-mesh sieve.

The cementing value of the material under ¾-inch to be at least 50.

(b) Gravel for use in portland cement or bituminous concrete road construction to consist of sound, hard, durable particles of stone of the following sizes:—

(3) For use as coarse aggregate in portland cement or bituminous concrete roads.

All to pass a 1½-inch¹ screen and to be retained on a ¾-inch screen, and to have at least 25 and not more than 60 per cent retained on a ¾-inch screen.

TESTS ON SOIL SAMPLES.

Tests on soil samples were arranged with the object in view of obtaining data which would relate the physical properties of the soil with its behaviour as a road surfacing material. It is hoped that by proceeding in this way the soil composition which will give the most satisfactory results will be indicated and the direction revealed in which modification should be made in the naturally occurring soils in order to improve their road building properties.

The grading of the soil is expressed in terms of clay or fine silt, silt and sand. The clay or fine silt content is determined by a process of washing, the percentage loss in weight due to the operation being expressed as clay. The soil sample is placed in a large test tube, 1½ inches by 10 inches, the test tube filled with water containing a little ammonia and shaken till the material becomes free from lumps and thoroughly dispersed through the water. The test tube is then placed in a rack and left perfectly quiet for eight minutes when the turbid suspension of clay and other fine material is siphoned off. This operation is repeated until the sample is depleted of fine material. The washed material is dried and subjected to mechanical analysis. The portion passing the 200-

¹ When used in bituminous concrete construction all to pass a 1½-inch screen.

mesh sieve is named silt, anything retained on this mesh is called sand. The percentage of the sand which is retained on the 65-mesh is noted by way of indication of the grading of this constituent.

In order to relate the mechanical analyses of the soils to their behaviour as road surfacing materials, two tests were made on the samples which were calculated to evaluate the stability, in a comparative way, of the soils under dry and under wet conditions. Briquettes of the natural soil two and one-half centimetres in diameter and two and one-half centimetres in height were moulded in a hydraulic press under a pressure of 132 kilograms per square centimetre. These were allowed to dry in the air during a period of several weeks after which time their compressive strength was determined. Another sample of soil of about one thousand grams in weight was damped and uniformly packed into a tin pannikin four inches wide by two and one-half inches deep. The pannikin was perforated to allow drainage. The soil was brought to a rounded surface, just above the edge of the dish. A series of samples prepared in this way were allowed to dry in the air when observations on the surfaces produced were made. They were then placed outdoors and the spray from a garden hose allowed to fall on them in a way to duplicate as nearly as possible a natural rain. The spraying was continued generally during a whole night. The intention was to give the samples a chance to get as wet as a rain would make them when exposed under conditions similar to those which exist in the case of a road. The surfaces were again noted and observations made. The stability was then tested by means of an apparatus devised to give comparative values on bearing strengths of the wet soils. The essential feature of the apparatus was a right angled, V-shaped piece of brass, two-tenths of an inch thick. The weight in pounds necessary to cause this angle to penetrate one inch into the wet soil was recorded.

The investigation of the soils so far has simply been preliminary. A method for their examination has been adopted and descriptive information of the soils with which it is necessary to deal has been obtained. It still remains to seek ways and means, whether by the mixing of different available materials or by other schemes, of producing from the soils a more stable and serviceable road surface than they naturally give. This investigation will proceed.

The sand-clay type of construction, which has been extensively used in many parts of the United States, naturally suggests itself when considering the road problems in Manitoba. In this connexion the following points, deduced from experience in sand-clay road construction in North Carolina, are interesting.

¹The field and laboratory experiments which have been made would seem to justify the following conclusions:—

1. That 60 to 80 per cent of sand is necessary to obtain a hard surface, and that the best soils will contain 45 to 50 per cent of sand retained on a 60 mesh sieve.

2. That sand passing a 100-mesh sieve and retained on a 200-mesh sieve has little hardening value to the road surface, but does aid in filling the voids; and that roads constructed only of sand of this fineness will not be satisfactory.

3. That when less than 40 per cent of sand is retained on a 60-mesh sieve, the resulting road surface is very noticeably softer than where coarser sand is used.

4. That if there can be 10 to 15 per cent of gravel varying from that which passes a 1-inch screen and is retained on a 10-mesh sieve, it has a very decided effect in increasing the hardness and efficiency of the road.

5. For the best results, the clay content will vary from 10 to 20 per cent.

6. An excess of 30 per cent of clay in the soil will give a soft surface that will get very muddy in wet weather.

¹American Highway Engineers' Handbook, by A. H. Blanchard. From Chapter on Earth and Sand-Clay Roads by J. H. Pratt, consulting engineer and secretary, North Carolina State Highway Commission.

SESSIONAL PAPER No. 26a

TESTS ON WEATHERED ROCK.

Deposits of fragments of weathered rock, as mentioned before, are of frequent occurrence in the mountain country. Such material finds its way onto the road surface with results which are often quite satisfactory under the conditions of traffic which exist. The weathered rock quickly breaks down into fine material and the final result is a type of earth road. Any virtue this road may have over a natural dirt road would seem to be because of the better physical properties of the dirt formed from the broken down rock. The presence of a considerable percentage of unbroken rock fragments in the general mass forming the surface will also aid in producing a stable condition. (Compare point five in quotation on sand-clay road construction). The tests to which samples of weathered rock were subjected were arranged on the assumption that the controlling factor for suitability of such a material is the properties of the "earth" that will be formed when it is broken down by traffic. Samples were consequently ground in a ball mill and the stability of the resultant product under dry and wet conditions determined in the same manner as in the case of soils.

Results of Tests on Bed-rock.

NOVA SCOTIA.

Locality	Rock Type	Physical Properties.					
		Per cent of wear.	French coef. of wear	Toughness	Hardness	Specific gravity	Absorption in lb. per cu. ft.
Ohio Road Quarry, 2 miles north of Town of Shelburne, N.S.	Diabase	2.4	16.7	14	18.5	2.88	0.2
Reid's quarry, Jordan Falls, Shelburne Co., N.S.	Diabase	2.5	16.0	16	17.8	2.89	0.5
Black Point, below Liverpool, N.S. ...	Diabase	2.2	18.2	10	16.8	3.12	0.3
Cherry Cove, Lunenburg Co., N.S. ...	Diabase	2.5	16.0	15	17.9	2.87	0.9
Sable River, Shelburne Co., N.S. ...	Schistose, micaceous quartzite.	2.1	19.0	14	16.7	2.71	0.4
From stock pile on streets of Halifax, N.S.	Quartzite or "Whin" rock.	2.3	17.4	....	....	2.68	0.9
Sable River, Shelburne Co., N.S.	Mica Schist.....	6.8	5.9	....	....	2.78	0.9

MANITOBA.

Manitoba Quarries Co., Stoney Mount-am, Man.	Limestone.....	3.9	10.2	5	13.2	2.54	2.9
Wallace Sandstone Co., Garson, Man.	Limestone.....	10.7	3.9	3	3.7	2.31	5.0

ALBERTA.

Mt. Rundle, Banff, Alta	Limestone	3.3	12.3	6	14.9	2.72	0.5
-------------------------------	-----------------	-----	------	---	------	------	-----

BRITISH COLUMBIA.

Locality.	Rock Type	Physical Properties.					
		Per Cent of Wear	French coef. of wear	Toughness	Hardness	Specific gravity	Absorption in lb. per cu. ft.
Nelson-Brilliant Road, near Nelson, B.C.	Granite (Glacial Boulders).	2.6	15.4	10	18.3	2.67	0.7
From stock pile of crushed rock from Rossland Mine, dumped on Rossland-Trail road.	Mixture of igneous types.	2.9	13.8	.....	.....	.....	.....
Kelowna, B.C.	Trachyte	2.9	13.8	16	18.3	2.27	4.7
Rock talus, Indian Reserve, near Kamloops, B.C.	Trap	3.7	10.9	.....	.....	2.74	0.1
Marble Canyon, Lillooet District, B.C.	Limestone	4.2	9.6	4	15.2	2.69	0.4
Rock slide, Lillooet-Lytton Road, B.C.	Sandy Tuff	2.6	15.4	10	19.0	2.71	0.5
Mt. Begby, Cariboo Road, B.C.	Granite	3.1	13.1	7	16.2	2.92	1.0
Vedder Mountain Quarry, Sumas Municipality, B.C.	Gabbroic Rock	2.8	14.3	14	18.0	2.80	0.4
Nicomen Quarry, Nicomen, B.C.	Pink granite	5.2	7.7	14	18.3	2.61	0.5
	Aplite	2.3	17.4	17	18.8	2.76	0.3
Gilley Bros. Quarry, Pitt Lake, B.C.	Granite	2.1	19.0	12	18.7	2.56	0.3
Granite Quarries, North Arm of Burrard Inlet, B.C.	Granite	2.8	14.6	8	18.8	2.69	0.3
Coast Quarries, North Arm of Burrard Inlet, B.C.	Granite	2.6	15.4	10	18.9	2.69	0.4
Scott Goldie Quarry, North Arm of Burrard Inlet, B.C.	Aplite	2.0	20.0	23	18.9	2.66	0.6
District of N. Vancouver quarry, N. Vancouver, B.C.	Granite	2.9	13.8	9	18.7	2.64	0.5
Whinstone Quarry, Horseshoe Bay, Howe Sound, B.C.	Aplite	1.7	24.2	12	18.6	2.84	0.2
Deeks Gravel and Rock Co., Porteau, Howe Sound, B.C.	Trap (from quarry)	2.1	19.0	23	18.6	2.76	0.1
	Trap (from gravel bank)	2.0	20.0	20	18.7	2.78	0.5
	Granite (from gravel bank)	2.2	18.2	10	18.9	2.67	0.6
Rosebury St. rock cut, Victoria, B.C.	Granite	2.4	16.7	16	18.8	2.75	0.6
Northwest Supplies quarry, Parson's Bridge, Esquimalt Harbor, B.C.	Limestone	4.1	9.8	16	14.5	2.70	0.1
Producer Rock and Gravel Co., Albert Head, Vancouver Island, B.C.	Trap	2.0	20.0	17	17.5	2.89	0.6

SESSIONAL PAPER No. 26a

Results of Tests on Gravel Samples.
 **TWO MOUNTAINS AND ARGENTEUIL COUNTIES, QUE.
 (Hull-Montreal Highway).

Owner and Location of Deposit.	Character of Gravel.			Mechanical Analysis.															
	Per cent of Boulders over 2"	*Composition of Pebbles. Per cent of.		Gravel. Per cent retained on screens.					Sand. Per cent retained on sieves.										
		Durable.	Soft.	Proportion of Gravel to Sand, p.c. of.	2 1/2"	2"	1 1/2"	1"	3/4"	3/8"	2"	1"	8	14	28	48	100	200	Passing 200
John Tompson, Wm. Heatle, R.R. 1, St. Philippe, Co. Argenteuil, lots 25, 26, range V, twp. Chatham.	0	35	45	29	Soft.	Gravel.	70												
David Rodgers, R.R. 1, Lacchaute, Parish of St. Jerusalem, Argenteuil twp., lots 39, 40, East Settlement	20	15	30	55	56	35	70												
J. R. Cleland, R.R. 1, St. Hernas, Municipality of St. Hernas, lot 34, East Settlement, parish of St. Jerusalem, Argenteuil Twp.	10	25	25	56	65	35	65												
Simeon Legault, R.R. 1, Lacchaute, lot 1 of 31, middle settlement, Parish of St. Jerusalem, Argenteuil co.	10	10	10	80	65	35	65												
C.N.R. pit, west of village of St. Andrews, lots 18A, 69, 71 to 79, 101 to 105, 108, 142, 159, 164, North River Range West, Argenteuil twp.	5	15	50	35	65	35	65												
Lots 406, 407 on Grand St. Joseph Road, Parish of St. Joseph du Lac.	5	20	5	75	70	30	70												

Results of Tests on Gravel Samples.
QUEBEC BOUNDARY TO PRESCOTT, ONT.
 (Montreal-Toronto Highway).

Owner and Location of Deposit.	Character of Gravel.			Mechanical Analysis.																
	Per cent of Boulders over 2"	Composition of Pebbles, Per cent of.	Proportion of Gravel to Sand, p.c. of.	Gravel.					Sand.											
				Per cent retained on screens.					Per cent retained on sieves.											
		Durable.	Intermediate.	Soft.	Gravel.	Sand.	2 1/2"	2"	1 1/2"	1"	3/4"	1/2"	1/4"	8	14	25	48	100	200	Passing 200.
O. M. McCuaig, lot 36, con. I, Lancaster twp., Ont.	0	0	65	35	65	35	0	10	15	20	15	15	25	40	25	10	5	5	5	10
John Shanks, Lancaster, Ont., lot 36, con. I, Lancaster twp.	35	0	70	30	70	30	5	15	20	20	10	15	15	25	30	25	7	3	3	7
Charlottenburgh township council, lots 4, 5, con. III, Charlottenburgh twp.	25	0	35	65	80	20	0	5	15	20	15	15	30	55	15	5	5	5	5	10
A. J. Fraser, R.R. 1, Summer-town Stn., lots 1, 2, con. I, Charlottenburgh twp.	40	5	10	85	65	35	10	10	15	20	10	15	20	35	25	10	10	5	5	10
T. Doherty, Summittown, Ont., lots 23, 24, con. II, Charlottenburgh twp.	5	5	50	45	75	25	5	10	20	25	10	20	10	25	15	10	20	10	10	10
D. Richardson and L. Le-rons, R.R. 1, Cornwall, Ont., con. II, west end of Charlottenburgh	15	5	25	70	55	45	0	5	15	20	10	20	30	30	25	20	10	5	5	5
Town of Cornwall, pit. C. L. Mengers, manager, Cornwall, Ont., lots 7, 8, con. II, Cornwall twp.	70	5	55	40	60	40	5	10	15	20	10	15	25	25	25	20	15	5	5	5
Father McRae, St. Andrews West, lot 11, con. V, Cornwall twp.	35	5	70	25	65	35	10	15	20	20	10	10	15	15	15	20	30	10	5	5
John McIntosh, St. Andrews West, lot 12, con. V, Cornwall twp.	5	5	60	35	45	55	5	5	5	15	10	15	45	45	30	10	5	5	2	3
Thomas Cleary, Mille Roches, Ont., lot 29, con. IV, Cornwall twp.	25	0	55	45	55	45	0	10	20	20	15	15	20	25	15	20	20	10	5	5

SESSIONAL PAPER No. 26a

H. Winters, R.R. 1, Miller Roches, lot 22, con. V, Cornwall, Ont.	5	5	70	25	65	35	15	20	15	20	15	25	10	10	10	15	10	15	10	15	40	15	2	3
E. J. McQuillon, R.R. 1, Harrison, lots 30, 31, con. VI, Cornwall twp.	25	0	75	25	60	40	5	20	20	20	20	26	10	10	15	20	30	10	2	30	10	3	3	3
G. L. Geo. Losey, R.R. 1, Harri- son, lots 33 to 36, con. V, VI, Cornwall twp.	15	0	80	20	75	25	0	15	15	20	20	20	15	20	15	45	5	20	20	15	5	3	10	3
Wm. J. Murphy, R.R. 1, Harrison, lots 33 to 36, con. V, VI, Cornwall twp.	20	0	80	20	65	35	5	10	15	20	20	20	15	15	20	25	25	10	20	10	25	20	3	3
J. G. Adams, R.R. 1, Wales, lot 2, con. II, Osnabruk tp.	40	5	85	10	70	20	5	20	20	25	20	25	10	10	10	25	15	20	20	15	25	3	2	3
James Miller, R.R. 1, Wales, lot 14, con. I, Osnabruk tp.	25	0	60	40	65	35	10	15	20	20	20	20	10	10	15	20	15	20	20	15	30	10	2	3
Frank Smith, Lamenburg, lot 13, con. III, Osnabruk twp.	40	5	65	30	60	40	5	10	20	20	20	20	10	15	20	20	15	20	15	20	30	10	2	3
Osnabruk twp., Council lot, Part owned by W. N. Hollister, R.R. 1, Farrants Point, lots 24 to 27, con. III, Osnabruk twp.	40	0	60	40	60	40	10	10	20	20	20	20	10	15	15	20	15	20	15	20	30	10	2	3
Malcolm A. Freats, R.R. 1, Morrishburg, lots 26, 27, con. III, Williamsburg twp.	20	0	65	35	50	50	5	10	5	30	15	30	15	15	20	25	15	20	20	15	25	10	2	3
A. Sharnett, R. R. 1, Williamsburg, lot 35, con. III, Williamsburg twp.	25	5	45	50	75	25	5	10	15	25	10	25	10	15	20	35	20	30	30	20	5	3	2	5
Asa Congler, R. R. 1, Williamsburg, lot 35, con. III, Williamsburg twp.	20	5	45	50	70	30	5	10	20	20	20	20	10	15	20	35	20	20	25	10	10	1	4	4
H. W. Doran, Morrishburg, lot 1, con. I, Matilda twp.	70	5	40	55	65	35	5	20	20	20	20	20	10	10	15	20	15	15	25	10	25	5	10	10
Albert Beckstead, Morris- burg, lot 3, con. I, Ma- tilda twp.	25	5	50	45	65	35	5	10	20	20	20	20	10	15	20	35	20	20	25	10	10	1	4	4
William Mullin, R. R. 1, Froquois, lot 5, con. III, Matilda twp.	60	0	65	35	65	35	5	10	15	15	15	15	10	20	25	35	20	15	15	15	15	5	5	5
Edgar Shaver, R.R. 2, Iro- quois, lot 19, con. II, Matilda twp.	5	0	55	45	65	35	10	10	15	15	15	15	15	15	20	35	20	15	20	20	20	5	2	3
J. Mackley, R. R. 2, Iro- quois, lots 32, 33, con. I, Matilda twp.	25	0	65	35	85	15	10	10	15	15	15	25	15	15	10	40	15	20	15	5	5	10	20	20
Rufus Froom, R. R. 2, Car- dinal, lots 4, 5, Edwards- burg twp.	5	5	55	40	70	30	10	15	20	20	20	20	10	10	15	25	15	20	15	20	25	10	2	3

Results of Tests on Gravel Samples.
 **NAPANEE TO FORT HOPE, ONT.
 Montreal-Toronto Highway.

Owner and Location of Deposit.	Character of Gravel.				Mechanical Analysis.													
	Per cent of Boulders over 5"	Composition of Pebbles. Per cent of.			Gravel.				Sand.									
		Pyrrhite.	Intermediate.	Soft.	Gravel to Sand, p.c. of.	2 1/2"	2"	1 1/2"	1"	3/4"	3/8"	1/2"	1"	28	48	100	200	
Thram Shannon, R. R. 5, Napanee, lot 6, con. III, Richmond twp.	5	85	10	50	50	.....	.....	25	20	35	35	8	25	20	10	5	3	2
P. Cassidy, R. R. 1, Deseronto, lot 39, con. II, Tyndinaga twp.	5	85	10	40	60	.....	.....	20	15	45	45	15	15	15	15	10	5	5
G. Campbell, Marysville, Ont., lot 33, con. II, Tyndinaga twp.	5	85	10	45	55	.....	.....	45	20	25	25	20	20	20	20	10	3	2
Indian Reserve, on York Road, 5 miles west of Deseronto.	5	90	5	55	45	.....	.....	25	20	35	35	25	25	20	10	5	3	2
Alex. McLelland, Belleville, lot 16, con. I, Thurlow.	20	95	5	55	45	.....	.....	35	15	29	30	15	20	15	10	5	2	3
John Creeper, RR. 3, Belleville, lot 5, con. II, Thurlow.	10	95	5	40	60	.....	.....	10	25	40	25	10	10	10	10	15	15	15
C. O. Hess, R. R. 5, Trenton, lots 11, 12, con. III, Sidney twp.	10	90	10	50	50	.....	.....	25	20	15	40	40	30	15	5	5	2	3
Jas. Sandcock, R. R. 2, Trenton, lot 8, con. I, Sidney twp.	0	85	15	50	50	.....	.....	10	25	30	35	20	20	25	10	5	2	3
J. F. Simmons, R. R. 5, Trenton, lot 8, con. II, Sidney twp.	5	80	15	45	55	.....	.....	20	25	30	30	30	20	20	10	10	5	5
Norman Tompkins, Brighton, lot 31, con. A, Brighton twp.	15	75	10	60	40	.....	.....	50	15	15	20	25	10	10	20	20	10	5
On road allowance, lot 32, con. A, Brighton twp.	10	85	0	45	55	.....	.....	35	15	20	30	20	5	10	45	20	0	0

SESSIONAL PAPER No. 26a

Town of Brighton, lot 35, con. 1, Brighton twp.	5	0	90	10	60	40	.....	.....	25	15	20	40	45	20	15	10	5	5	0
A. Swain, R. R. 4, Brighton	5	15	80	5	50	50	.....	.....	15	10	20	55	40	30	15	10	2	2	1
John Kellog, Vernonville, lot 11, con. 11, Haldimand twp.	0	15	75	10	30	70	.....	.....	35	20	15	30	20	25	30	15	5	3	2
Geo. Hays, Andrew Speers, Thos. Hoskin, R. R. 1, Grafton, lot 31, con. 1, H. Haldimand twp.	5	20	75	5	45	45	.....	.....	15	15	20	50	35	70	20	15	5	3	2
Township of Haldimand, lot 9, con. 11, Haldimand twp.	30	10	80	10	55	45	.....	.....	30	15	20	35	35	25	20	10	5	3	2
John Cochrane, Jas. McKeg, R. R. 6, Cobourg, lot 14, con. 11, 111, Haldimand twp.	0	15	80	5	50	50	.....	.....	10	20	25	45	55	15	10	10	5	3	2
Herbert Parsons, Combome, lot 20, con. 14, Haldimand twp.	20	10	75	15	60	49	.....	.....	40	20	15	25	35	15	15	15	5	5	5
Arthur Watt, Port Hope, lot 35, con. 14, Haldimand twp.	5	15	75	10	40	60	.....	.....	35	10	20	35	25	20	20	15	10	5	5
John Bamsey, Quay's P.O., lot 2, con. 5, Hope twp.	5	.....	.....	.....	50	50	.....	.....	65	15	10	10	20	20	25	20	10	2	3

** In the case of deposits in Two Mountains and Argenteuil Counties and along the Montreal-Toronto Highway from Napanee to Port Hope, no values are given for percentage of pebbles over 1" in size. The 1" screen was the largest size that the laboratory had at the time the analyses were made. The percentage recorded as 1" in size, is thus an accumulative value for all sizes present larger than 1".

* The composition of pebbles from a deposit is determined by inspection of about one hundred representative pebbles. They are classed as durable, intermediate or soft according as they are composed of rock which would show a per cent of wear of less than 3, between 3 and 6, or over 6, respectively. These three classes mean, practically, pebbles composed of fresh rock of igneous origin, fresh limestone, and weathered pebbles of both types.

Results of Tests on Gravel Samples.
WINNIPEG TO BRANDON, MANITOBA.

Owner and Location of Deposit.	Character of Gravel.		Mechanical Analysis.										*Tensile-Strength of 1:3 mortar lbs. per sq. in.							
	Dur-able.	Inter-medi-ate.	Proportion of Gravel to Sand. Per cent of.		Gravel. Per cent retained on screens.					Sand. Per cent retained on sieves.										
			Gravel.	Sand.	2½"	2"	1½"	1"	¾"	½"	¼"	8		14	20	28	48	(Passing 4s) 100.	(Passing 200)	Passing 200
Sylvester Simof, Beausejour, Man., Sect. 33, T. 12, R. 8 E.			5	95							100	1	1	3	25	35	15	20	51	110
C. P. R. pit at St. Ouens, Man., Sect. 33, T. 12, R. 8 E.				100								2	5	10	40	35	5	3	135	211
Manitoba Pressed Brick Co., Ltd., Winnipeg, Man., pit at Beausejour, Man., Sect. 36 T. 12, R. 7 E.			5	95							100	5	10	5	35	29	15	10	165	238
C. P. R. pit at Oakbank, Man., Sect. 19, T. 11, R. 5 E.	30	70	10	90							20	80	5	10	25	10	15	25	135	205
Bird's Hill Sand Co., Winnipeg, pit at Springfield, Sect. 35, T. 11, R. 4 E.	20	80	30	70							20	45	20	25	30	30	15	4	170	168
Braid & McCurdy Co., Ltd., Winnipeg, pit at Springfield, Sect. 36, T. 11, R. 4 E.	30	70	5	95								0	2	7	35	70	5	1	84	139
C. N. R. pit, Bird's Hill, Sect. 27, T. 11, R. 4 E.	30	70	65	35							20	80	20	38	30	10	2	0	265	306
C. P. R. pit, Bird's Hill Sta.	25	75	50	50							30	25	10	30	30	15	3	1	238	273
City of Winnipeg pit, Bird's Hill.	20	80	15	85								5	20	10	30	10	3	2	208	252
Casson Lumber Co., Ltd., St. Boniface, Man., pit at Ste-Anne-des-Chenes, lot 8.	25	75	55	45								3	15	10	20	45	5	2	195	291
Thos. Kelly & Sons, Winnipeg, pit at Stoney Mountain, Sect. 11, T. 13, R. 2 E.	25	75	60	40								15	20	20	25	17	2	1	289	432
	15	85	65	35								10	15	15	40	10	2	3	185	266

SESSIONAL PAPER No. 26a

Winnipeg Electric Railway pit, Stoney Mountain, ⁶⁰¹¹¹ K.	100	65	35	5	5	30	20	15	20	35	20	20	15	3	4	222	339
C. N. R. pit, Burns Ridge, Drake, Man., Sect. 31, T. 13, R. 1 E.	25	70	30	.....	10	15	20	10	15	30	30	20	15	13	5	170	150
E. Williams & Co., Stonewall, pit at Gunton, Man., Sect. 21, T. 15, R. 2 E.	20	45	55	.....	.....	10	10	25	55	25	10	.....	10	25	2	112	200
The Stonewall Gravel Co., Ltd., pit at Bahmorat, Man., Sect. 6, T. 15, R. 2 E.	20	55	45	.....	15	10	15	10	20	30	25	15	15	6	4	190	248
C. F. R. pit, Teulon, Man., Sect. 19, 30, T. 16, R. 2 E.	15	60	40	.....	15	10	25	15	15	20	15	20	20	4	1	.....	.....
Municipality of Rockwoods (Gunton, Man., Sect. 9, T. 16, R. 2 E., Municipality of Rosser, Man., Sect. 18, T. 12, R. 1 E.)	5	25	75	.....	.....	.....	.....	25	75	25	20	.....	15	7	1	130	169
.....	100	65	35	.....	.....	10	20	25	45	35	25	25	20	4	1	195	360

The occurrence of boulders in the Manitoba gravel deposits examined is insignificant.

Mechanical analyses of samples from Manitoba deposits were obtained in some cases in the field with a set of four sieves (3, 8, 20 and 48 mesh), while in other cases more complete analyses were made on samples sent into the laboratory. Samples for which values for the tensile strength of cement mortars appear in the table were analysed at the laboratory with a complete range of screens and sieves. Results of both field and laboratory analyses are recorded. Figures occurring in the sixth column for mechanical analyses of sand are values for material passing the 48-mesh sieve or for material retained on the 100-mesh sieve according to whether the analysis is one that was made in the field or in the laboratory. The 20-mesh sieve was not used in the laboratory analyses.

Several analyses are given in the case of the larger deposits or excavations to indicate a range of variation that was apparent from inspection of the gravel face. (This does not mean that when only one analysis is given, no variation in the deposit occurs.)

*Ottawa Standard Sand Tensile strength of 1:3 mortar: 7 days—197 lbs. per sq. in. 28 days—302 lbs. per sq. in.

Results of Tests on Gravel Samples.

Owner and Location of Deposit.	Character of Gravel.		Gravel.					Mechanical Analysis.					Tensile Strength of 1:3 mortar.							
	Composition of Pebbles. Per cent of.	Proportion of Gravel to Sand. Per cent of.	Per cent retained on screens.					Sand. Per cent retained on sieves.					7 days.	28 days.						
			1 1/2"	1"	3/4"	1/2"	1"	14	20	28	48	(pass 16/18) 100			200	pass 20/200				
McDonnell, L. Pomas, St. Francois, Min., lots 183, 184, Mun. of St. Francois-Xavier.	Durable	Inter-mediate	Gravel.	Sand.	1 1/2"	1"	3/4"	1/2"	1"	8	14	20	28	48	(pass 16/18) 100	200	pass 20/200			
	20	80	15	55						35	45	65	80	18	2			323	445	
			0	100						0	0	0	0	0	0	0	0	0		
			10	90			10	90		40	30	30	15	25	20	10	5	2		
Stam Smith, St. Francois, Min., lot 150, Mun. of St. Francois-Xavier.			0	100						3	7	0	0	0	0	0	0			
			0	100					0	0	0	0	0	0	0	0	0			
	15	85	20	80					0	0	0	0	0	0	0	0	0			
			5	95					40	40	55	40	15	15	5	5	5			
J. H. McClurey, Meadows, Min., Sec. 21, T. 12, R. 2, Mun. of Rosser.			30	70			25	15	60	20	20	25	20	20	5	5	5			
	0	100	15	85					50	50	45	45	5	5	0	0	0			
			10	90					60	60	35	35	5	5	0	0	0			
			35	65			5	15	80	40	30	50	20	20	5	1	2			
Chas. Baerman, Portage, Min., S. e. 14, T. 13, R. 5, Mun. of Portage-la-Prairie.			0	100					10	10	15	20	15	60	15	0	0			
			0	100					5	5	35	35	20	30	5	5	0			
			25	75					30	30	26	20	25	20	5	1	4			
			10	90					20	20	25	25	45	45	10	2	2			
Ed. VanBuskirk, High Bluff, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.			10	90					100	15	20	15	20	30	15	0	0			
			5	95					100	15	20	15	20	30	15	0	0			
			5	95					100	15	20	15	20	30	15	0	0			
			5	95					100	15	20	15	20	30	15	0	0			
A. Cado, High Bluff, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.			5	95					100	5	30		25	20	20	0	0			
			30	70			25	20	55	15	15	15	20	40	5	2	3			
			55	45			5	15	20	35	15	15	25	25	10	1	4			
			10	90					100	15	20	15	20	30	15	0	0			
R. J. Walker, Blue Island, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.			55	45			5	15	20	30	10	10	15	15	10	1	1			
			55	45			5	15	20	35	15	15	25	25	10	1	4			
			10	90					100	10	10	10	10	15	55	0	0			
			10	90					100	10	10	10	10	15	55	0	0			
Sec. 24, T. 13, R. 6, Mun. of Portage Burnside Beach, Kinrossa Ridge, Kenneth McKenzie, Portage, Min., Sec. 14, T. 12, R. 8, Mun. of Portage.			5	95					100	5	30		25	20	20	0	0			
			30	70			25	20	55	15	15	15	20	40	5	2	3			
			55	45			5	15	20	35	15	15	25	25	10	1	4			
			10	90					100	10	10	10	10	15	55	0	0			

On road allowance between Sec. 18, R. 1, and Sec. 13, R. 5, T. 13, between Portage and Woodlands municipalities.
 Chas. Baerman, Portage, Min., S. e. 14, T. 13, R. 5, Mun. of Portage-la-Prairie.
 Jas. Stewart, Portage, Min., Sec. 9, T. 13, R. 5, Mun. of Portage.
 Jas. Murray, Portage, Sec. 5, T. 13, R. 5, Mun. of Portage.
 Ed. VanBuskirk, High Bluff, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.
 A. Cado, High Bluff, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.
 R. J. Walker, Blue Island, Min., Sec. 13, T. 13, R. 6, Mun. of Portage.
 Sec. 24, T. 13, R. 6, Mun. of Portage Burnside Beach, Kinrossa Ridge, Kenneth McKenzie, Portage, Min., Sec. 14, T. 12, R. 8, Mun. of Portage.

SESSIONAL PAPER No. 26a

Wm. Oliver, Portage, Man., Sec. 15, T. 12, R. 8, Mun. of Portage.	15	85							30		45	10		0	227	319
Thos. Paul, Bagot, Man., Sec. 26, T. 12, R. 9, Mun. of Westbourne.	0	100							3		25	75		0	214	250
C. C. R. pit, Sec. 5, T. 14, R. 9, Mun. of Westbourne.	15	85							25		25	35		0	0	373
(Campbell Beach), Arden Ridge, F. A. Thompson, Austin, Man., Sec. 19, T. 11, R. 11, Mun. of N. Norfolk.	40	60							20	20	25	20		0	0	0
C. P. R. pit, Sec. 24, T. 11, R. 12, Mun. of N. Norfolk.	20	80							15	20	25	15		0	0	0
On right-of-way, Sec. 26, T. 11, R. 12, Mun. of N. Norfolk.	25	75							35		20	20		0	0	0
G. T. P. pit, Sec. 3, T. 12, R. 13, Mun. of N. Norfolk.	30	70							35	15	5	35		0	0	0
Poste right-of-way, Edraus, Man., Sec. 36, T. 12, R. 13, Mun. of Langford.	15	85							30	20	20	25		0	0	0
On right-of-way, Sec. 36, T. 12, R. 13, Mun. of Langford.	5	95							25		20	30		0	0	0
Neighbourhood of Brandon, Municipality pit, Sec. 35, T. 11, R. 17, Mun. of Elton.	10	90							25		50	10		0	0	0
Alex. Fischer, Madford, Man., Sec. 15, T. 11, R. 17, Mun. of Elton.	40	60							45		15	5		0	166	307
Municipality pit, on right-of-way between N. Cypress and Elton, between Secs. 1 and 6, T. 11, R. 16 and 17.	30	70							20	30	25	5		0	0	0
Municipality pit, Douglas, Man., Sec. 3, T. 11, R. 17, Mun. of Elton.	10	90							50	40	15	20		0	267	382
D. W. Agnew, Douglas, Man., Sec. 33, T. 10, R. 17, Mun. of Cornwallis.	20	80							20	15	25	5		0	160	199
Fred Grant, Clatter, Man., Sec. 35, T. 10, R. 18, Mun. of Cornwallis.	25	75							50		25	15		0	0	0
City of Brandon pit, Sec. 26, T. 10, R. 19, Mun. of Cornwallis.	25	75							25		40	10		0	228	330
On road allowance, between Secs. 29 and 30, T. 10, R. 19, Mun. of Cornwallis.	30	70							35	45	10	10		0	212	336
On road allowance, between Secs. 30 and 25, T. 10, R. 19 and 20, Mun. of Cornwallis.	40	60							15	20	10	5		0	215	281
	55	65							20	30	15	20		0	225	350
	30	70							15	35	5	5		0	0	0
	30	70							25		15	20		0	219	338

Results of Tests on Gravel Samples.

Owner and Location of Deposit.	Character of Gravel.			Mechanical Analysis.											Tensile Strength of 1:3 mortar.								
	Composition of Pebbles. Per cent of.	Proportion of Gravel to Sand, p.c. of.		Gravel.					Sand.						7 days.	28 days.							
		Soft.	Gravel.	Sand.	Per cent retained on screens.					Per cent retained on sieves.													
Parable.	Intermediate.		2 ⁱⁿ	1 ^{1/2} ⁱⁿ	1 ⁱⁿ	3/4 ⁱⁿ	3/8 ⁱⁿ	2 ⁱⁿ	1 ^{1/2} ⁱⁿ	1 ⁱⁿ	3/4 ⁱⁿ	3/8 ⁱⁿ	200	(Passing 48) 100	200	Passing 200							
On road allowance, Sec. 18 T. 10 R. 19 Mun. of Cornwallis	20	80											8	14	20	26	48	10	10	2	3	224	270
City of Brandon pit, Sec. 16 T. 10 R. 19 Mun. of Cornwallis	35	65											20	5	.....	10	10	10	10	2	0	97	163
Cummings and Dobbie, near King George school, Brandon, Man.	45	55											30	25	10	15	10	10	10	0	0	297	338
City of Brandon pit, N.E. part of city of Brandon	55	45											20	25	30	15	10	10	10	0	0	298	343
Dinsdale pit, 10th E. and Victoria Ave., Brandon, Man.	30	70											35	65	30	15	10	10	10	0	0	222	391
On right-of-way between Secs. 2 & 3 T. 10 R. 19 Mun. of Cornwallis	40	60											30	30	30	15	10	10	10	0	0	292	343
On right-of-way between Secs. 5 & 6 T. 10 R. 18 Mun. of Cornwallis	35	65											25	75	25	35	10	10	10	0	0	213	246
Win. Forefield, R. R. No. 1, Brandon, Man., Sec. 16 T. 9 R. 19 Mun. of Cornwallis	25	75											35	65	25	20	15	10	10	0	0	209	270
On right-of-way, cor. of Secs. 23, 24, 25 & 26 T. 9 R. 18 Mun. of Cornwallis	50	50											55	10	55	15	10	10	10	0	0	211	274
													30	70	15	30	25	10	10	0	0	252	309

SESSIONAL PAPER No. 26a

Results of Tests on Gravel Samples.

ALBERTA (ROCKY MOUNTAINS PARK).

Location of Deposit.	Character of Gravel.				Mechanical Analysis.															
	Composition of Pebbles. Per cent of.		Proportion of Gravel to Sand. Per cent of.		Gravel. Per cent retained on screens.					Sand. Per cent retained on sieves.										
	Durable.	Intermediate.	Soft.	Gravel.	Sand.	2½"	2"	1½"	1"	¾"	½"	¼"	8	14	28	48	100	200	Passing	
	0	100	0	70	30	...	...	...	...	...	...	...	60	15	5	5	5	5	5	5
Banff-Kananaskis road, from pit on south side of road at mile 29.	0	100	0	70	30	...	...	...	...	...	...	60	15	5	5	5	5	5	5	5
Banff-Kanan road, from face of cut, north side of road near old lime kiln at the "Gap" near mile 29.	0	100	0	50	50	...	...	...	...	...	...	45	25	5	5	5	5	5	5	5
Banff-Kanan road, C.P.R. pit, north side of road and west end of the "Gap" Siding.	0	100	0	40	60	...	...	...	...	...	...	35	25	15	20	10	30	20	10	5
Banff-Kanan road, from face of sidehill cut about 1½ miles west of the "Gap."	0	100	0	50	50	...	...	...	...	...	...	35	20	15	10	30	25	5	5	0
Banff-Kanan road, pit at top of hill on north side of road at mile 103.	0	100	0	50	50	...	...	...	...	...	...	40	20	15	10	15	15	5	5	5
Banff-Kanan road, pit on north side of road at top of small hill, mile 83.	0	100	0	65	35	...	...	...	...	...	...	30	25	15	20	15	20	5	5	5
Banff-Kanan road, from side cut on hill at mile 7.	0	100	0	35	45	...	...	...	...	...	...	35	15	15	10	10	10	10	10	10
Banff-Kanan road, from large clay banks east of Anstracite.	0	100	0	25	75	...	...	...	...	...	...	35	20	25	10	10	15	10	10	10
Banff-Kanan road, from big hill west of Anstracite.	0	100	0	65	35	...	...	...	...	...	...	20	25	15	15	25	15	5	5	5
Beach gravel, Lake Minnewanki, Banff.	0	100	0	95	5	...	...	...	...	...	...	75	5	25	0	0	0	0	0	0
Bankhead road, pit west of entrance to Buffalo Park.	0	100	0	60	40	...	...	...	...	...	...	25	15	15	15	15	5	10	10	10

Results of Tests on Gravel Samples—Concluded.
BRITISH COLUMBIA.

Location of Deposit.	Character of Gravel.				Mechanical Analysis.															
	Composition of Pebbles. Per cent of.		Proportion of Gravel to Sand Per cent of.		Gravel. Per cent retained on screens.						Sand. Per cent retained on sieves.									
	Dur-able	Inter-mediate	Soft.	Gravel.	Sand.	2 1/2"	2"	1 1/2"	1"	3/4"	1/2"	1/4"	8	14	28	48	100	200	Passing 200	
Cranbrook district, gravel from 1st pit, 8 miles east of Cranbrook....	40	45	15	60	40	.....	.....	10	15	10	20	45	55	15	5	5	5	5	15	.....
Cranbrook district, gravel from 2nd pit, 9 miles east of Cranbrook.	40	45	15	55	45	.....	.....	5	25	10	20	40	55	30	10	5	0	0	0	.....
Fernie district, from Morrissey Hill along side of the main road	20	75	5	70	30	*30	.....	5	15	10	15	20	30	20	15	20	10	3	2	.....
Fernie district, Morrissey pit, about 8 miles west of Fernie.	5	40	55	40	60	.....	.....	5	20	10	20	45	30	15	15	15	15	5	5	.....
Tyral district, pit 3 miles west of Nelson.	0	85	15	50	50	.....	.....	.....	15	15	20	50	45	25	10	5	5	5	5	.....
(Gravel from preceding deposit after being in the road-bed for three years). ....	.....	.....	.....	15	85	.....	.....	.....	15	10	15	60	15	15	15	15	15	10	15	.....
Kamloops district, Shuswap road, 10 miles east of Kamloops.	5	20	75	50	50	15	.....	5	15	10	20	30	30	25	25	15	5	0	0	.....
Nicomem Slough gravel, from stock pile across river from Mission.	25	50	25	45	55	.....	.....	.....	5	5	20	70	45	20	10	10	5	5	5	.....
Johnson Road gravel pit, on Yale road east of Vancouver.	0	70	30	25	75	.....	.....	5	15	15	25	40	10	10	25	45	5	2	3	.....

* Aggregates of small pebbles firmly cemented together by carbonate.

SESSIONAL PAPER No. 26a

(WINNIPEG-BRANDON HIGHWAY.)

Location	Type	Character.				Physical Properties.		Remarks.
		Per cent of				Compressive Strength (Dry).	Bearing Strength (Wet).	
		Clay & Fine Silt - Particles less than 0.01 mm. in diameter.	Silt - Particles between 0.01 and 0.07 mm. in diameter.	Sand - Particles more than 0.07 mm. in diameter.	Percentage of the sand retained on 65-mesh sieve.			
Heading to Pigeon Lake, general type of soil.	Gumbo.....	100	0	0	0	1500	7	Black, hard surface when dry, with prominent shrinkage cracks. Surface softens, swells and gets sticky when wet, finally becoming a soft very sticky mass.
River bank, 2 miles east of St. Francis. Typical soil deposited by the Assiniboine River.	Silty loam..	25	45	30	0	850	12	Dark brown, hard surface when dry. When wet, the surface softens rapidly and gets sticky, finally becoming a soggy, sticky mass.
River bank, Bennett's farm, 2 miles east of St. Francis, Sand bar.	Sand.....	0	10	90	15	...	...
West of Pigeon Lake. Road crosses stretches of a silty soil, probably deposited by Assiniboine River.	Silty loam..	50	50	0	0	990	5	Brownish-grey, hard, gritty surface when dry, with slight tendency to abrade to loose material. Softens when wet and gets sticky.
From road, 10 miles east of Poplar Point. Probably a river deposited soil.	Silty loam..	35	40	25	10	980	7	Dark brown, smooth hard surface when dry, with some cracks. Gets soft quickly when wet, becoming soggy and very sticky.
River bank at Belcour Ferry. Soil deposited by Assiniboine River.	Silty loam..	10	75	15	0	650	3	Brownish-grey surface, firm when dry but easily loo-eued into fine sand. Surface softens when wet but does not become sticky.
River bank at Belcour Ferry. Sand bank.	Sand.....	0	10	90	75	...	...
From road 4½ miles east of Poplar Point. A silty soil.	Silty loam..	55	40	5	0	830	8	Brownish-grey, smooth, hard surface when dry with considerable cracking. Surface softens when wet becoming swollen and very sticky.
From road 16½ miles east of Poplar Point, subsoil under top layer of few feet of black soil.	Yellow, clayey silt.	25	45	30	10	1370	8	Light grey, smooth, hard surface when dry, with slight cracks. When wet, surface softens, getting very sticky.
Typical top soil, east of Poplar Point.	Sandy loam	15	20	65	20	850	14	Black, hard, gritty surface when dry, with considerable cracking. Surface softens when wet but does not get sticky.
From road 1½ miles east of Poplar Point. Top soil.	Silty loam..	35	35	30	10	1010	7	Dark grey, hard gritty surface when dry, with considerable cracking and breaking out of lumps. When wet, surface softens and become fairly sticky.
From road 12 miles east of Portage. Subsoil below top layer of black loam.	Yellow, clayey silt.	45	45	10	0	1200	6	Light greyish-brown, hard, smooth surface when dry, with considerable cracking. Surface softens when wet and becomes sticky.

(WINNIPEG-BRANDON HIGHWAY—Continued.)

Location.	Type.	Character.				Physical Properties.		Remarks.
		Per cent of				Compressive Strength (Dry).	Bearing Strength (Wet).	
		Clay & Fine Silt—Particles less than 0.01 mm. in diameter.	Silt—Particles between 0.01 and 0.07 mm. in diameter.	Sand—Particles more than 0.07 mm. in diameter.	Percentage of the sand retained on 65-mesh sieve.			
From road 5 miles east of Portage. Yellow subsoil.	Yellow, silty sand.	10	30	60	60	700	8	Brownish-grey, hard, gritty surface when dry, with slight tendency to give loose material on abrasion. Surface softens when wet but does not become sticky.
From road 1 mile west of High Bluff. Sandy top soil.	Sandy loam.	15	35	50	40	750	4	Black, hard, gritty surface when dry, with decided tendency to break into loose material. Softens when wet but does not become sticky.
From road 7 miles east of Portage. Top soil.	Sandy loam.	15	25	60	45	.....	7	Dark grey to black surface when dry, easily broken into loose material by pressure. Surface softens when wet but does not become sticky.
From road near eastern limit of Portage. Top soil.	Medium heavy clay loam.	30	49	30	0	1750	10	Black, hard surface when dry but cracked badly, which gives a tendency for surface to break out into lumps. Surface softens when wet but does not become sticky.
From road near eastern limit of Portage. Yellow subsoil.	Yellow, clayey silt.	50	50	5	0	1540	8	Grey, hard gritty surface when dry, with slight cracking. Surface softens when wet, becoming very sticky.
Snider's brick yard, east side of Portage. Top clay.	Clay loam..	40	60	0	0	1400	7	Grey, hard, gritty surface when dry, with considerable cracking. Softens and swells when wet, becoming very sticky.
Snider's brick yard. Yellow subsoil.	Yellow clayey silt.	70	30	0	0	1330	5	Light grey, hard, slightly gritty surface when dry, with a little cracking. Softens and swells when wet becoming very sticky.
Snider's sand pit. Near clay pit.	Sand.....	0	0	100	85	.....	.....
Fairly heavy loam from near Portage. Typical of loam in this neighbourhood.	Clay loam..	65	10	25	30	1150	6	Black, hard, gritty surface when dry, much cracked, breaking into lumps. Softens when wet and gets sticky.
From road at turn to west, 1½ miles west of Portage. Typical light loam.	Sandy loam.	10	25	65	40	570	5	Dark grey to black surface easily broken into loose material by pressure. Softens but does not get sticky when wet.
From road, 14 miles east of McGregor. Top soil.	Medium heavy clay loam.	30	40	30	0	1060	16	Black, hard, gritty surface when dry, with much cracking. Softens when wet and gets fairly sticky.
From road, 12 miles east of McGregor. Top soil.	Silty loam .	50	50	0	0	350	6	Black, fairly hard, gritty surface when dry, which is rather easily worked loose into loose material. Softens when wet but does not get sticky.

SESSIONAL PAPER No. 26a

(WINNIPEG-BRANDON HIGHWAY.)—Continued.

Location.	Type.	Character.				Physical Properties.		Remarks.
		Per cent of				Compressive Strength (Dry).	Beating Strength (Wet).	
		Clay & Fine Silt—Particles less than 0.01 mm. in diameter.	Silt—Particles between 0.01 and 0.07 mm. in diameter.	Sand—Particles more than 0.07 mm. in diameter.	Percentage of the sand retained on 65-mesh sieve.			
From road going north, from Bagot. Near main road, clayey subsoil.	Silty clay ..	50	45	5	0	1080	8	Light grey, slightly gritty, hard surface, when dry, with considerable cracking. Surface swells and softens when wet and gets very sticky.
From road, 6 miles east of McGregor. Top soil.	Sandy loam.	5	5	90	0	150	26	Dark brown to grey, gritty surface, with decided tendency to break into loose material. Surface softens a little when wet but does not get at all sticky.
From road, 1½ miles east of McGregor. Subsoil.	Clayey silt..	20	15	65	0	630	13	Light grey, hard, gritty surface when dry, with slight tendency to work into loose material on abrasion. Softens when wet but does not get sticky.
From road, 1½ miles east of McGregor. Top soil.	Silty loam..	20	20	60	0	950	35	Dark grey to black, very hard, gritty surface when dry. Takes considerable wetting to make any noticeable softening. Does not get at all sticky.
From road, ½ mile east of McGregor. Top soil.	Sandy loam.	20	20	60	0	360	7	Dark grey, gritty surface when dry, with tendency to break into loose material. Softens when wet but does not get sticky.
From road west of McGregor. A typical top soil	Silty loam..	15	55	30	0	660	6	Dark brown, hard, gritty surface when dry, with tendency to break into loose material. Softens when wet but does not get sticky.
From road in the hills west of Austin. Subsoil.	Stratified silt.	50	50	0	0	740	4	Light brown to yellow, hard, slightly gritty surface with slight tendency to break into loose material. Softens when wet and gets very sticky.
From road in hills east of Sidney. Top soil.	Sandy loam.	10	10	80	5	130	17	Dark grey, gritty surface, with tendency to break into loose material. Softens a little when wet but does not get sticky.
From brick-yard at Sidney. Top soil.	Silty loam..	15	40	45	0	740	4	Black, hard, gritty surface when dry with much cracking. Gets very sloppy when wet but not very sticky.
From brick-yard at Sidney. Subsoil.	Stratified silt.	65	35	0	0	1120	6	Brown, hard, smooth surface when dry, with much cracking. Softens and gets very sticky when wet.
From road 3 miles east of Carberry. Drift sand on surface of soil.	Sand.. . . .	0	5	95	60	0	12	Brown, very gritty surface when dry, quite firm but easily abraded into loose sand. Softens when wet but does not get sticky.

(WINNIPEG-BRANDON HIGHWAY)—Continued.

Location.	Type.	Character.				Physical Properties.		Remarks.
		Per cent of				Compressive Strength (Dry).	Bearing Strength (Wet).	
		Clay & Fine Silt—Particles less than 0.01 mm. in diameter.	Silt—Particles between 0.01 and 0.07 mm. in diameter	Sand—Particles more than 0.07 mm. in diameter.	Percentage of the sand retained on 65-mesh.			
From road, 2 miles east of Carberry. Subsoil.	Silty clay...	50	25	25	0	1400	19	Brown, hard, gritty surface when dry, with some cracking. Softens when wet and gets very sticky.
From old pit for brick-making $\frac{1}{2}$ mile east of Carberry. Subsoil.	Silty clay...	30	40	30	0	1110	11	Greyish-brown, hard smooth surface when dry, with considerable cracking. Softens when wet and gets very sticky.
From old pit, $\frac{1}{2}$ mile east of Carberry. Top soil.	Sandy loam.	15	40	45	30	350	11	Black, fairly firm surface when dry but easily worked into loose material. Softens when wet but does not get sticky.
From road 2 miles west of Carberry. Subsoil.	Silty sand...	5	15	80	15	390	19	Brown to grey, hard, gritty surface when dry, not easily worked loose but with a tendency to break out. Softens somewhat when wet but does not get sticky.
From road through sand dunes, 1 mile east of Camp Hughes.	Sand.....	5	5	90	50	150	11	Dark, fairly firm surface when dry, but easily broken into loose sand. Soft when wet but not sticky.
From road west of Camp Hughes. Top soil.	Sand.....	5	10	85	75	200	13	Black, fairly firm surface when dry, but easily broken into loose material. Softens when wet but does not get sticky.
From road between Camp Hughes and Douglas. Top soil.	Sandy loam	10	10	80	60	370	10	Dry surface dark grey, with no strength at all, breaking into loose material with least pressure. Does not get sticky when wet.
Subsoil from near Douglas.	Silty sand...	10	10	80	65	440	12	Grey, gritty surface when dry, with considerable cohesion, but easily worked loose. Does not get sticky when loose.
From road between Clatter and Brandon. Subsoil.	Silty clay...	45	30	25	0	1090	4	Light brownish-grey, hard, gritty surface when dry, with considerable cracking; softens and swells when wet and gets very sticky.
From road between Clatter and Brandon. Top soil.	Sandy loam	10	45	45	50	410	10	Black, dry surface has no coherence; breaks easily to loose material. Does not get sticky when wet.
From escarpment of Assiniboine river, near the asylum, Brandon. Subsoil.	Silty sand...	10	20	70	10	440	9	Light grey, very gritty, hard surface when dry, with a slight tendency to work into loose material. Does not get sticky when wet.

SESSIONAL PAPER No. 26a

(WINNIPEG-BRANDON HIGHWAY.)—Continued.

Location.	Type.	Character.				Physical Properties.		Remarks.
		Per cent of				Compressive Strength (Dry).	Bearing Strength (Wet).	
		Clay & Fine Silt—Particles less than 0.001 mm. in diameter.	Silt—Particles between 0.001 and 0.07 mm. in diameter.	Particles more than 0.07 mm. in diameter.	Percentage of the sand retained on 65-mesh sieve.			
Columbia District. Road running south from Golden. Silt from cliffs along the road at Upper Columbia Lake.	Silt	100	0	0	0	160	55	Dry surface light grey, smooth, with soapy feel. Surface does not seem very firmly cemented together but is not easily worked loose. When wet, a greasy layer develops on surface but mass as a whole does not soften. Prolonged wet makes mass become rubbery but not sticky. Surface is always very slippery when wet.
Cranbrook District. From Cranbrook-Fernie road, 9 miles east of Cranbrook. Silty soil.	Silt	60	40	0	0	330	100	Dry surface light greyish-brown, hard and smooth. Surface is not very firmly cemented but does not seem easily worked loose. Prolonged rain softens the mass slightly giving it a rubbery feel but it never gets sticky or slippery.
Trail District. From Nelson-Brilliant road; fairly typical soil from near Nelson.	Silty sand..	15	20	65	75	240	7	Dry surface light brown, with very little coherence; easily broken into loose material. When wet, surface gets very soft, holding excess water and tends to get into a sort of batter. Does not get sticky.
Okanagan District. From silt cliffs along the lake on Penticton-Kelowna road.	Silt	80	20	0	0	520	5	Dry surface grey, smooth and hard. When wet, surface softens and gets quite sticky.
Kamloops District. From Kamloops-Shuswap road. Silty soil at Currie Gulch.	Silt	70	25	5	0	430	3	Dry surface grey, smooth, but easily worked into loose material. When wet, it becomes very soft and somewhat sticky. Mass gets like soft rubber. Deforming action of pressure is visible far from point of application. This soil has decided tendency to get into a batter and run.
Kamloops District. From Kamloops-Shuswap road, 20 miles east of Kamloops.	Silty sand..	10	20	70	60	460	60	Dry surface dark coloured, gritty and quite firm; takes considerable abrasion to loosen surface. When wet, surface softens but does not get sticky.

Results of Tests on Samples of Decomposed Rock from British Columbia.

Location.	Com- pressive Strength (Dry).	Bearing Strength (Wet).	Remarks.
Decomposed shale from Banff-Castle road, Rocky Mountains Park, Alta., north side of road about 14 miles west of Banff.	560	100	Dry surface dark coloured and hard. All night rain softened top half inch to quite a soft soaked condition but there was very little softening below this depth. Wet material is not sticky.
Columbia district. Decomposed shale from Johnson's road, near Invermere.	260	60	Dry surface dark grey in colour, firm and hard. Wetting softens surface but does not make it sticky.
Cranbrook district. Decomposed rock from Cranbrook-Fernie road, 7½ miles east of Cranbrook. Fairly fresh rock fragments.	250	60	Dry surface purplish-grey in colour, and hard. When wet, the surface softens but does not get at all sticky.
Cranbrook district. Decomposed rock from 7½ miles east of Cranbrook near preceding deposit. Rock fragments more weathered.	280	60	Dry surface light yellow, hard. When wet, surface softens but does not get sticky.
Cranbrook district. Decomposed rock from Cranbrook-Fernie road, 3½ miles east of Cranbrook.	390	40	Dry surface yellow in colour and hard. Surface softens somewhat when wet but does not get sticky.
Okanagan district. Talus rock from a broken up rock deposit on Pentiction-Kelowna road on west side of lake before descending to the ferry landing.	780	60	Dry surface light grey in colour and hard. When wet, the surface softens and gets rather sticky.
Kamloops district. From rock talus on the North Thompson road, 9 miles north of Kamloops.	400	150	Dry surface dark grey in colour and hard. Surface is only slightly softened by wetting and does not develop any stickiness.
Kamloops district. From decomposed rock deposit on Grand Prairie road at Campbell creek.	380	35	Dry surface reddish-brown, hard. When wet, surface softens but does not get sticky.
Alberni district, Vancouver island. Sample of decomposed rock sent in by Public Works Dept., Victoria.	440	40	Dry surface red in colour and hard. When wet it softens but does not get sticky.

ALBERTA BITUMINOUS SANDS FOR RURAL ROADS.

G. C. PARKER.

During 1917 and 1918, a study was made with a view to determining the possibilities of using the bituminous sands of northern Alberta as a surfacing material for rural roads. In order to collect information and data the writer visited Iowa and California in November and December, 1917, to inquire into the results obtained by the treatment of earth roads with asphaltic oils in Iowa, and the service rendered by bituminous sand surfaces in California. In April, 1918, he went to Alberta to study highway conditions in the Province. Up to the present time the bituminous sands constitute the largest mineral resources existing in the northern portion of the Province and the development of this district will depend on the extent to which the material can be used commercially. In an endeavour to open up the country, the Alberta and Great Waterways Railway has recently been completed from Edmonton to Fort McMurray, a distance of 305 miles. The development of commercial uses for the bituminous sands will not only assist in placing the railway on a paying basis but will also aid in the development of the northern part of the Province.

The largest market for asphalt has, for a number of years, been derived from the paving industry. The greater part of the paved area of the city and town streets has been surfaced with mixtures containing native or manufactured asphalt. It is natural therefore, in looking for a use for bituminous sands to consider their adapta-

SESSIONAL PAPER No. 26a

bility to road surfaces. Material similar to that found in Alberta exists in many localities in the United States, that most closely resembling it being found in the state of California. As early as 1886, bituminous sand road surfaces were laid in Santa Barbara, Cal., and since that year many miles of roads have been surfaced with material from different deposits, with good, bad, and indifferent results.

Materials most commonly used for this work, stone and gravel, are not plentiful in Alberta. In isolated sections both may be found but the greater portions of the Province have no local source of suitable material. Sand, containing a comparatively small proportion of gravel occurs in a number of places but this is not of proper quality for the construction of substantial surfaces. The bituminous sand deposits must therefore be looked to in any endeavour to secure road building material.

In 1915, the Mines Branch constructed experimental surfaces with the Alberta sands, laying a section of pavement in the city of Edmonton. This has been a success and has attracted such attention that strong representations have been made, asking that experiments be extended with a view to determining the suitability of the material for surfacing country roads.

In consideration of the use of a material for this purpose, the question of cost demands first consideration. An expensive material, no matter how suitable, is not economically available. Therefore, having established the suitability of the bituminous sands for road surfaces from a technical point of view the cost of placing the material at the site of the work must be arrived at. This cost is made up of several items, namely,—cost of mining, cost of loading, cost of transportation and cost of hauling to the work. The cost of mining is governed largely by the manner in which the material occurs, as well as its character. The cost of loading depends on the proximity of the railroad to the deposits from which the material is taken and if the railroad siding enters the deposit, the method used in loading the cars. If, on the other hand the deposits lie at some distance from the railroad provision must be made for horse or mechanical haulage over this distance, with attendant cost. Transportation charges are governed by the freight rate extended by the railroad and the distance over which the railroad transports the material.

From reports previously published by the Mines Branch it is shown that the deposits lie in an area, the southern portion of which is approximately three hundred miles north from Edmonton. They are found, for the most part along the banks of rivers and creeks. The depth of the material as well as the thickness of overburden varies greatly. The limits of this variation may be illustrated by two deposits, one of which consists of an exposed bed of bituminous sand 50 feet thick underlying 205 feet of top soil; the other having only 15 feet of overburden on a bed of bituminous sand 180 feet thick. The cost of stripping the overburden must be added to the cost of removing the material from the deposit. Where possible, therefore, development should be confined to the heavy deposits with light overburden since the removal of the minimum of unusable material will permit the removal of the greater amount of that which is suitable. Regard must be had, however, for the quality of the material before deciding on which deposits to open. Since it is the asphalt contained in the bituminous sand that is of value and since this varies from 9 to 20 per cent of the total material, with an approximate average for all the deposits of 14 per cent, the economic balance between the costs of quarrying a low grade material from a deposit with light overburden and that of removing a high grade material from under heavier overburden must be struck. This not only affects the cost of quarrying, but that of transportation. A ton of material containing 20 per cent of bitumen will cost about the same to quarry and transport as a ton of bituminous sand containing 10 per cent. In the first case it requires but 5 tons of the crude material to make one ton of asphalt, while in the second, 10 tons would have to be handled to obtain the same amount of bitumen.

From maps published it is seen that the upper end of the Alberta and Great Waterways railway penetrates the area in which the deposits are located and for several miles

it runs practically through the more southerly of these. The question of proximity of railroad shipping points should not be serious. Short spurs could be constructed from the main line of the railroad right to the face of the deposit, thus insuring cheap loading.

Little can be said with regard to the cost of transportation from the deposits to a point where material would be used. Until the exact points of shipment, as well as the estimated quantity of material that will be carried has been decided upon, it will not be possible to obtain the actual cost for freight.

Past experience has established two governing factors in the successful construction of asphaltic road surfaces. Not only must the bituminous binder be of the proper consistency but it must exist in the proper proportion, this proportion being dependent on the mechanical grading of the mineral aggregate. A mixture containing a fine sand can carry more asphalt than one containing coarse. Then again, the various sizes of grains must be present in relative proportions. Most consistent success has been attained with a mixture known as the standard sheet asphaltic mixture which has the following physical composition:—

Material.	Percentage by weight.
Bitumen	10.5
Passing 200-mesh	13.0
" 100 "	13.0
" 80 "	13.0
" 50 "	23.5
" 40 "	11.0
" 30 "	8.0
" 20 "	5.9
" 10 "	3.0
Total	100.0

Analyses of samples taken from the Alberta deposits show that it will be almost impossible to secure a uniform supply of material with the above composition and that the mixture of materials of different grades will be necessary.

That this can be accomplished has been shown in the construction of the Edmonton pavement in which two grades of bituminous sands were successfully used. One was coarse in composition and contained 12 per cent of bitumen while the other, containing 16 per cent of bitumen, was very fine. These were heated and mixed in specified proportions and to them was added dry sand of the proper grading and in sufficient quantity to modify the resultant mixture in accord with the standard. Then again the character of the impregnating bitumen was not entirely suitable, as it was too soft. It was found that by retaining the material in the heated mixing chamber for a few moments the driving off of the lighter oils resulted in a hardening of the asphalt. The materials were mixed and heated in batches, each batch was dumped on the concrete foundation and spread and rolled while hot.

Three types of surface mixture were used. The sheet asphalt mixture contained the bituminous sands and dry sand; the asphaltic concrete contained in addition to the bituminous sand and dry sand a certain proportion of gravel; and a mixture approximating that called for by the bitulithic specifications resembled the asphaltic concrete differing from it in the grading of the mineral aggregate.

The following analyses of the mixtures as they entered the road, as well as the analyses of samples cut from the pavement in 1918, by the writer, are shown below. When compared with the composition of the original bituminous sand, it will be seen that it is quite possible to obtain results similar to although not identical to those secured with manufactured imported asphalts. While the pavement has been under traffic for only three and a half years, which does not justify comparison with others laid at earlier dates, up to the present it compares favourably with similar surfaces of wholly artificial mixtures.

SESSIONAL PAPER No. 26a

BITUMINOUS SAND.—ANALYSES OF MIXTURES LAID IN EDMONTON IN 1915.

(Percentage by weight.)

Material.	Sheet Asphalt.		Asphaltic Concrete.		Bitulithic.	
	1915	1918	1915	1918	1915	1918
Bitumen	11.3	11.0	9.1	9.1	8.1	7.3
Passing 200 mesh	9.0	9.0	3.9	5.0	5.2	5.0
" 100 "		21.0		19.0		12.0
" 80 "	33.0	14.0	42.1	11.0	37.0	9.0
" 50 "	13.7	25.0	4.2	15.0		9.0
" 30 "	13.5	5.0	0.3			4.0
" 20 "	12.5	7.0	0.8	1.0	8.1	5.0
" 10 "	7.0	8.0	4.0	4.0	6.7	7.0
" $\frac{1}{2}$ inch	0.5			10.0		7.0
" $\frac{1}{4}$ "			35.3	26.0		12.0
" 1 "					34.7	22.6
Totals	100.5	100.0	99.7	100.1	99.8	99.9

Bituminous Sand Surfaces in California.

From 1886 until 1914, the bituminous sand deposits of California were used as a source of paving material, and while a number of the surfaces are in service at present probably an equal or greater number were failures. Prior to 1909, it was customary to heat the crude material in kettles, and lay it in the same manner as that used with artificial mixtures. The lack of uniform results led to an investigation and an improved method of treating the material. It was found that the natural grading and proportioning in most cases was not suitable and that the addition of dry sand was required to produce a mixture approaching the standard. It was also necessary to heat the bituminous sand for some time in order to harden it by the driving off of the lighter constituents of the asphalt, and a special form of mixer was designed for this purpose. Following the adoption of the improved methods consistent results were produced and practically all the surfaces laid with the graded mixtures are to be seen to-day.

While in California the writer examined a total of 28 bituminous sand surfaces, and procured information concerning 12 others. Of these, 21 were constructed of crude material and 19 consisted of the graded mixtures of sheet asphalt and asphaltic concrete. The results of 46 tests were recorded and many more studied, those of which copies were made being representative of the total number examined.

It is significant to note that of the 21 crude surfaces, 6 were failures and 3 were indifferently good, while of the 19 graded mixtures there was reported only one failure, and this was on account of the specifications not being followed. The analysis of this surface furnished sufficient indication to show the reason for the failure. The results secured show without a doubt that the bituminous sands when properly treated have been a success. In the cases where the crude material had been used satisfactorily results of tests showed mixtures which, while not closely resembling the standard, at least were better balanced with regard to the relation of fine sand to coarse, and sand to bitumen. In two instances pavements which had failed appear to have compositions similar to those of others which had not. The explanation given was that the material had not been heated properly and consequently the asphalt was too soft.

A number of pavements have been laid with what is termed the "black" base, meaning a foundation of asphaltic concrete in which the bituminous sands were incorporated, with or without a sheet asphalt surface. In the town of Hayward, two

of the main business streets were surfaced, in 1911, with $3\frac{1}{2}$ and 4 inches of asphaltic concrete and 1 inch of sheet asphalt. York and Virginia streets in Vallejo were paved between the years 1907 and 1910, the pavements consisting of one layer of asphaltic concrete 5 inches thick. The Santa Barbara-Goleta road, 5 miles long, was built in 1912 with $3\frac{1}{2}$ inches of asphaltic concrete and $1\frac{1}{2}$ inches of sheet asphalt. The above surfaces were examined by the writer and found to be in almost perfect condition. In one instance the settlement of the subgrade had caused cracks and depression in the surface but the total area of these defects would not exceed 50 square yards. The mixtures used were carefully graded, the unbalanced composition of the crude material being compensated for by the addition of dry sand and crushed stone in proper proportions.

In considering the success of the above surfaces sight must not be lost of the difference in climates between California and Alberta. In the former frost is not frequent, and heavy, continued freezing is unheard of; while at Edmonton the average mean monthly temperature range, over a period of 24 years, was from -3.2 degrees in January to 73.7 degrees in July. The action of frost must therefore be minimized by special care in the drainage.

In this connexion it is interesting to note that in the state of Iowa, where the climate is similar to that of Ontario, although not as severe as that of Alberta, certain success has been attained by the waterproofing of the road surface by treatment with asphaltic oils. A number of roads have been rendered not only passable but quite firm and smooth for twelve months of the year by two applications of oil. Several of these roads were seen by the writer in the winter of 1917, during a mild period, immediately succeeding one of snow and frost. In every case but one the surface was smooth and hard, the one exception being a sand road which derived little benefit. The best results have been obtained with heavy black clay which, to all appearances at least, is similar to the dark soil of the Canadian West.

Until 1918, highway expenditure in Alberta was made by the Provincial Government as directed by the Minister of Public Works, the Government meeting the entire cost. Last year, however, a comprehensive scheme for improvement was undertaken and as a first step all roads are to be classified in "main", "district", and "local". Towards the cost of the main roads, the Government contributes 75 per cent, 25 per cent towards the cost of district roads, and nothing in connexion with the local roads. The local municipalities contribute the remaining 25 and 75 per cent towards the cost of the main and district roads and bear the entire expense of construction of the local roads. In this way the Province has the responsibility for the construction and maintenance of the trunk highways and is interested to a smaller extent in the other branches of the system. Thus if the construction of experimental rural roads with the bituminous sands were undertaken such surfaces could be laid by the Province on the heavily travelled roads, where they would be subjected to a severe test, at a comparatively small cost to the municipalities.

As might be expected, soil conditions vary. Practically all of the roads in the Province have earth surfaces. Consequently different methods of treatment have been found necessary. A clay road cannot be too dry and once thoroughly dried it will remain hard and firm during a wet period in the summer. A sand road, when quite dry is soft and the surface easily displaced, and the water penetrates to a greater extent and takes longer to evaporate. Its surface is never firm and hard while that of a dry clay road will bear heavy wheel loads and will not break up until the subgrade is saturated. It will, however, become muddy and slippery during a rain. The greater mileage of the Alberta roads is through the heavy clay, but roads were also seen on sandy and chalky soils.

The work done by the Provincial Road Department in the past has been quite effective. The first principle of road construction, proper drainage, has been strictly followed and in travelling over the roads which have been improved, one is impressed

SESSIONAL PAPER No. 26a

with the success attained. In many instances difficulty was encountered as parts of the country are flat and are dotted with water holes. These have been drained, the expenditure in the construction of long ditches having been considerable.

Most of the main roads are so located with respect to the supplies of road-building materials that they can only be secured at great cost. Stone is found at the foothills of the mountains but the cost of transportation added to the cost of quarrying will render its general use prohibitive. Gravel is found in restricted areas and is not of a quality best adapted to road surfacing. The bituminous sands can be obtained by direct haul from the deposits on a new railroad not overburdened with traffic. The management of the Alberta and Great Waterways railway has indicated its desire to co-operate in the development of the deposits to the extent of furnishing a low freight rate from McMurray to Edmonton.

It has been shown that the bituminous sands have been successfully used, both in California and Alberta, for surfacing roads with rigid foundations, provided the physical composition on the surface mixture were regulated. In California one layer of bituminous sand mixture has carried traffic for ten years and only where the subgrade was weak did the surface break. In Iowa the draining of the subgrades and the waterproofing of the surface of clay roads have given excellent results, provided that the treatments were repeated and that drainage was maintained. In Alberta it has been demonstrated that the serviceable period of the earth roads can be greatly lengthened by the installation of effective drainage. It is therefore reasonable to expect that the addition of waterproof coating to the surface of these roads will provide a dry subgrade and a firm surface during prolonged wet periods. This could be done by introducing a small quantity of the crude bituminous sand into the surface of the clay roads.

Better results although at greater cost, might be expected from an asphaltic concrete mixture laid on a well drained, compacted subgrade and rolled to a thickness of 4 or 5 inches. Since the success of such a pavement will depend on the subgrade being free from water, particularly at a time preceding a heavy frost, special attention to the drainage will be required.

A total of 6,600 tons of bituminous sand will furnish sufficient material to surface with asphaltic concrete mixtures 2 miles of road, 10 feet wide and 4 inches thick, 2 miles, 10 feet wide and 5 inches thick, and 3 miles with a waterproofing surface 10 feet wide. The cost of laying the 6,600 tons mentioned above, exclusive of plant charges, should not exceed \$35,000, of which about one-half would be for quarrying, loading, and transporting, with a freight rate of \$1 per ton. This figure can, however, be but an approximate estimate of the cost of the work.

There is reason to believe that it will be possible to use the Alberta bituminous sands with success in the construction of rural roads. The writer would beg to suggest that the Mines Branch co-operate with the Provincial authorities in a plan for giving this material a practical trial in types of rural construction such as have been indicated. The Mines Branch should make a careful examination of soils and available materials for use in conjunction with the bituminous sand along stretches of road suitable for experimental purposes and determine upon a plan of procedure. When a mutually satisfactory programme has been decided upon, the Provincial Highway Department should take the responsibility of financing and of providing engineering direction, granting to the Mines Branch, however, supervision in so far as the use of materials is concerned.

References to the reports by S. C. Ellis on the Investigation of the Bituminous Sands of Northern Alberta.

1. Summary Report, Mines Branch, 1915, page 69.
1916, " 56.
2. Summary Report, Mines Branch, 1913, page 54.
1915, " 68.

Preliminary Report on the Bituminous Sands of Northern Alberta, Mines Branch, 1914, pages 11 to 37.

3. Summary Report, Mines Branch, 1913, page 54.
1915, " 68.

Mr. Ells has prepared a file of maps showing the topography of the surrounding country and the location of outcrops of bituminous sand in the McMurray, Clearwater, Christina, Steepbank, McKay, and Moose areas of the general area over which the outcrops of bituminous sand occur. These maps are available for reference at the Mines Branch.

4. Summary Report, Mines Branch, 1914, page 62.

Preliminary Report on the Bituminous Sands of Northern Alberta, Mines Branch, 1914, page 79.

SESSIONAL PAPER No. 26a

DIVISION OF CHEMISTRY.

SUSSEX STREET LABORATORY.

F. G. WAIT, *Chief of the Division.*

The work done in the laboratory during the year ending December 31, 1918, may be classified as under:—

ASSAYS FOR GOLD, SILVER, AND PLATINUM: From the undermentioned localities in:—

(a) British Columbia.

- i. Headwaters of Whitewater creek, Ainsworth Mining Division.
- ii. West shore of the middle channel of Barclay Sound.
- iii. Broken Hill property, Rapid creek, Lardeau River valley.
- iv. From a point 8 miles north of Lewis Creek station (C.N.R.), north of Kamloops.
- v. An undefined point 8 miles south of Sicamous, and 40 miles from the Sicamous-Vernon branch of the C.P.R.
- vi. A sample of New Hazelton gold-cobalt ore.
- vii. Concentrates from the Quesnel Hydraulic Gold Mines, at Hydraulic, Cariboo Mining Division.
- viii. From placer workings on Wild Horse creek, near Fort Steele.
- ix. From an outcrop on the shore of Powell lake.
- x. From the Jo Jo mineral claim, Slocan district, West Kootenay.

(b) Manitoba.

24 samples from the Star Lake district.

(c) Ontario.

- i. Thunder Bay district:—
 - One sample from the shore of Atik lake, near Port Arthur.
 - One from a point 30 miles east of the mouth of Pigeon river; and four others from the vicinity of Long lake.
- ii. Timiskaming district:—
 - Hislop township—Lot 1, con. IV, one sample; and one sample from undesignated localities in each of the following townships: Bucke, Cleaver, Coleman, and Powell.

(d) Quebec.

- i. Pontiac county:—
 - Three samples from lot 28, r. VI, of Clarendon township, and three others from undesignated localities in Onslow township.

(e) Nova Scotia.

- i. Halifax county:—
 - Concentrates—two samples from the property of Scheelite Mines, Ltd., Moose River mines.
- ii. Richmond county:—
 - One sample from the Sterling zinc deposit.

In addition to those enumerated above, there were 18 samples concerning which no data as to locality of occurrence were furnished.

ANTIMONY ORE: One sample of stibnite from Fish creek, a tributary of the Klondike river, Yukon territory.

CHROME IRON ORE: Three samples from a correspondent in Rossland, B.C. Precise locality not stated.

CLAY—AND SEDIMENTS: Three samples taken from the bottom of lake Ontario, at depths ranging from 10 to 600 feet.

COPPER ORE: One sample from lot 1, con. VI, of Lorne township, Sudbury district, Ontario.

FERRO-SILICON: Fifty-two samples of this material, all of high silicon content, were analysed for the Imperial Ministry of Munitions. This work—a continuation of that reported last year—was carried on by members of our own staff until May, 1918.

FIRECLAY: One sample from Missinaibi river, north of Coal brook, Algoma district, Ontario.

GLASS SAND: Twenty-one samples of quartz sand have been submitted to partial analysis to ascertain their suitability for employment in glass manufacture. Special attention was given to the determination of the usual deleterious constituents—iron, alumina, lime, and magnesia.

The following localities have been visited and samples taken:—

Quebec.

Beauharnois county:—

Melocheville, from the quarry of Montreal Sand and Gravel Co.

Beauharnois, from the farm of W. H. Roberts.

Chateauguay county:—On north and south road, $4\frac{1}{2}$ miles north of Ormstown.

Huntingdon county:—

Covey Hill, from farm of Charles Brisbin. On main road between Hemmingford and Vicars, at a point 7 miles west of Hemmingford.

On the east and west road, 1 mile west of Maritana, on the farm of Joseph Foyer.

Franklin Centre, from the bottom of the east branch of Outard creek, just north of the bridge.

On east and west road, $2\frac{1}{2}$ miles west of road from Hemmingford to Barrington.

Kamouraska county:—

SW. end of Long Pilgrim island.

NW. " " "

$3\frac{3}{4}$ miles north of St. Pascal Station; property of Jos. Labris.

3 miles SE. of wharf at Kamouraska; property of Arsine Drapeau.

3 miles SW. of St. Pascal Station; property of Louis Migneault.

SW. end of Great Pilgrim island.

Portneuf county:—

Chavigny township, S. $\frac{1}{2}$ lot 5, r. I, SW.; near Notre-Dame-des-Anges.

Montauban township, lot 1, r. V., SW., and Montauban township, lot 1, r. V, NE., Notre-Dame-des-Anges.

Ontario.

Frontenac county:—Loughboro township, lot 19, con. X.

" " " lots 9 and 10, con. VII.

Pittsburgh township, N. $\frac{1}{2}$ lot 11, con. V.

" " salmon-coloured material.

SESSIONAL PAPER No. 26a

Haldimand county:—Nelles Corners, property of Oneida Lime Co.

- i. Run of pit.
- ii. North outcrop.
- iii. North side of quarry.

Lanark county:—North Burgess township, S. $\frac{1}{2}$ lot 11, con. VIII.
North Elmsley township, S. $\frac{1}{2}$ lot 26, con. X.

Leeds county:—Bastard township, lot 25, con. I.

Elizabethtown township, S. $\frac{1}{2}$ lot 36, con. I. From cliff on
shore of St. Lawrence river.

North Crosby township, centre of lot 8, con. VII.

South Crosby township, lot 15, con. I.

GRAPHITE AND GRAPHITIC ROCK:

Two specimens of graphitic rock from Algoma district, Ontario, as follows:—

- i. At C.N.R. mileage 70 and 48 chains west of Hornepayne. Graphite-bearing zone in biotite gneiss.
- ii. Taradale, graphitic biotite schist. Missinaibi district, Ontario; precise locality not stated.

IDENTIFICATION OF MATERIAL:

One hundred and twenty-one samples of different kinds have been examined during the year. In most instances the determination of mineral species was sufficient; in others an opinion as to probable economic value was required.

IRON ORE: One sample was analysed during the year. It was taken from a deposit on lot 15, con. V, of Belmont township, Peterborough county, Ontario.

LIMESTONES: One hundred and twenty samples of limestones and dolomites were analysed to ascertain their suitability for use in various manufacturing industries. They were collected at the undermentioned localities:—

Ontario.

1. Bruce county:—

Brant township, lot 2, con. VII, Reid's quarry.

Carrick township, lot 8, con. A, an old quarry.

Culross township, Teeswater, Toronto Plaster Co's quarry.

Kincardine township—

Lots 6 and 7, con. III, Holland's quarry.

Inverhuron, Smith's quarry.

Owen Sound—

Chalmers' estate quarry, west hill.

Oliver Roger's Stone Co., east hill.

Warton, from an exposure on Gould street.

Carleton county:—

Gloucester township—

Lot 22, con. I, Robillard's quarry, upper 10 ft.

Robillard's quarry, lower 6 ft.

Lot 1, con. III, McLaren's quarry.

Lot 24, con. I, Gamble's quarry.

Merivale road, Rideau Canal Supply Co.'s quarry.

Hogsback, Thibault's quarry.

Goulburn township, east half lot 3, con. XII, Sullivan's quarry.

Nepean township, lot 32, con. A.

Torbolton township, lot 21, con. IV, McTernan's quarry.

Dufferin county:—

Amaranth township, lot 32, con. I, Hall's quarry.

Dundas county:—

Williamsburg township—

Lot 31, con. VII, Farlinger's quarry.

Lot 19, con. VIII.

Winchester township, corporation quarry, $\frac{1}{2}$ mile south of Winchester station.

Essex county:—

Anderdon township, lot 6, con. I, Solvay Process Co.'s quarry.

Frontenac county:—

Hinchinbrook township, east of Godfrey.

Kingston township, lot 4, con. II.

Pittsburgh township, Barriefield camp, three samples.

Portland township, lot 9, con. XIII, McMullin's quarry.

Wolfe island, quarry $\frac{1}{4}$ mile east of wharf.

Glengarry county:—

Charlottenburg township, lot 6, con. XI,L.

Lochiel township, lots 6 and 7, con. II.

Grenville county:—

Augusta township, lot 17, con. II.

Wolford township, lot 2, con. I, exposure in C.P.R. cut.

Grey county:—

Artemesia township, Eugenia Falls, upper 20 feet.

Haldimand county:—

Cayuga North township, lot 49, con. II, Oneida Lime Co.'s quarry.

Dunn township—

Lot 18, con. 4, Webber's quarry, upper 10 ft.

Lot 18, con. 4, Webber's quarry, lower 12 ft.

Rainham township, lot 2, con. II, Helka's quarry.

Walpole township—

Lot 6, con. XIV, Wieger's quarry.

Lot 1, con. XIV, Teitz's quarry.

Halton county:—

Esquesing township—

Lot 24, con. IV, Toronto Lime Co.'s Dolly Varden quarry.

Lot 22, con. VI, Toronto Lime Co.'s Limehouse quarry.

Nassagaweya township—

Lot 3, con. VI, Christie-Henderson quarry, "buff" stone.

Lot 3, con. VI, Christie-Henderson quarry, "blue" stone.

Lot 3, con. VII, D. Robertson and Co.'s quarry.

Hastings county:—

Elzevir township, quarry in village of Actinolite.

Hungerford township—

Lot 12, con. XIV, Hastings Quarries Co.

Lot 12, con. XI.

Tyendinaga township, vicinity of Shamonville, Ontario Limestone and Clay Co.'s quarry.

SESSIONAL PAPER No. 26a

Huron county:—

Howick township, lot 13, con. VIII, Ashton's quarry.

Lambton county:—

Bosanquet township, weathered hand sample from R.R. cut $\frac{3}{4}$ m. N.E. of Thedford.

Lanark county:—

Beekwith township, lot 12, con. X, McNeely's quarry.

Pakenham township—

Lot 23, con. XII, Duncan's quarry.

East of the village of Pakenham.

Ramsay township—

Lots 8 and 9, con. IV, Cameron's quarry.

Lot 20, con. V.

Lot 17, con. IX, north of Almonte.

Leeds county:—

Bastard township, from Delta Lime Co.'s quarry.

Crosby North township, lot 11, con. VIII; exposure on roadside, 2 m. from Westport.

Elizabethtown township—

One mile east of Brockville, on south side of Prescott road.

One-half mile east of Brockville, north of Prescott road on property of G. Sherwood.

Lennox and Addington counties:—

Camden East township, lot 13, con. I, Tompkin's quarry.

Ernestown township, lot 35, con. VII, old quarry.

Richmond township, Bergin's quarry, on Roblin's hill, east of Napanee.

Richmond township, old quarry, $2\frac{1}{2}$ m. N.E. of Napanee.

Lincoln county:—

Grantham township—

Lot 15, con. X, Ball's quarry.

Lot 17, con. X, Hansell's quarry.

Niagara township—

Lots 47, 48, 49, Queenston Quarry Co., upper 15 ft.

Lots 47, 48, 49, Queenston Quarry Co., lower 15 ft.

Norfolk county:—

Woodhouse township, lot 24, con. I, Howey's quarry, upper 8 feet.

Ontario county:—

Rama township, Longford Quarry Co., Canada Iron Corporation's old quarry, $\frac{1}{2}$ mile north of Longford.

Oxford county:—

Oxford West township, Standard White Lime Co.'s west quarry, near Beachville.

Peel county:—

Near Melville junction, Contractor's Supply Co.'s quarry.

Credit Forks, a hand sample.

Perth county:—

Blanchard township—

- St. Mary's, Standard White Lime Co.
- St. Mary's Cement Co.

Peterboro county:—

- Belmont township, from an exposure near Preneveau.
- From a rock cut on C.P.R., 1 mile east of Havelock.

Prescott county:—

- Alfred township, lot 6, con. IV, Lett's quarry.
- Hawkesbury East township—
 - Lot 28, con. I, Ross's quarry.
 - Lot 10, con. III, Stevens' quarry.
- Plantagenet North township, lot 9, con. VI, Winning's quarry.

Prince Edward county:—

- Hallowell township, lot 23 or 24, con. III, M.T., Bedborough's quarry.
- Sophiasburg township, lot 52, con. II, W.G.P., Doxisee's quarry.

Renfrew county:—

- Bagot township, lot 28, con. VI.
- Bromley township, near Douglas station, C.P.R., McDougald's quarry.
- Grattan township, east of Eganville, Standard Chemical Iron and Lumber Co.'s quarry.
- Horton township—
 - Lot 5, con. II, Jamieson's quarry.
 - Lot 13, con. III, Jamieson's quarry.
- McNab township, lot 18, con. XIII, Canada Lime Co.'s quarry.
- Pembroke township, lot 12, con. I, Markus' quarry, 12-ft. face.
- Ross township—
 - Lot 19, con. VI, Renfrew White Granite Co.'s quarry.
 - Lot 10, con. X, Jamieson's quarry.
- Wilberforce township, lot 20, con. XIX, Biederman's quarry.

Russell county:—

- Clarence township—
 - W. C. Edwards', (Stewart's) quarry, Rockland, average of upper 75 ft.
 - F. Beauchamp's quarry at Clarence creek, average of upper 6 ft.
- Russell township, lot 7, con. VII, E. Bruyere's quarry, 2 samples.

Simcoe county:—

- Medonte township—
 - Lot 20, con. XIII, Peters' Coal Co. quarry; upper 25 ft.
 - Lot 20, con. XIII, Peters' Coal Co. quarry; lower 6 ft.
- Nottawasaga township—
 - Lot 47, con. XI, Cramp Steel Co.'s quarry near Collingwood.
 - Lot 25, con. XI, Chestnut's quarry.
- Orillia North township—
 - Lot 10, con. IV, Ontario Stone Corporation's quarry.
- Tay township—
 - Lots 19 and 20, con. V, Canada Iron Corporation's quarry; upper 5 ft.
 - Lots 19 and 20, con. V, Canada Iron Corporation's quarry; lower 8 ft.

Stormont county:—

- Finch township, lot 8, con. XII, Mackie's quarry.

SESSIONAL PAPER No. 26a

Victoria county:—

Eldon township, lot 49, con. IX, Crushed Stone, Ltd., Co.'s quarry; average of 16-ft. face.

Waterloo county:—

Dumfries North township, Christie-Henderson and Co., quarry, in the city of Galt.

Welland county:—

Bertie township—

Lot 13, Lake Erie front, Standard Crushed Stone Co.'s quarry.

Lot 7, con. VIII, township quarry; lower 14 feet.

Stamford township—

Lots 31, 32, near Thorold; upper 20 ft.

Lots 31, 32, near Thorold; lower 10 ft.

Wellington county:—

Eramosa township, E. Harvey's quarry at Rockwood.

Erin township, lot 15, con. VI, Ashenburt Bros.' quarry, average of 12-ft. exposure.

Guelph township—

Standard White Lime Co.'s quarry at Guelph.

Prison farm quarry; upper 10 ft.

Nichol township—

James Gow's quarry at Fergus.

Elora White Lime Co.'s quarry at Elora.

Puslinch township, lot 2, con. IV, Christie-Henderson Co.'s quarry, 3 miles north of Hespeler.

Wentworth county:—

Ancaster township, lot 48, con. II, Guests' quarry, upper 18 ft.

Barton township, lot 15, con. VI—

Gallagher Lime and Stone Co.'s quarry; upper 8 ft.

“ “ “ “ lower 16 ft.

“ “ “ “ 4-ft. bed of brown coursing stone.

Beverly township, lot 8, con. III, Parks Bros.' quarry.

Flamboro West township—

Lots 12-15, con. I; Canada Crushed Stone Corporation, Ltd., lower 30 ft.

Lot 6, con. VI, county quarry; average of 10-ft. face.

MANGANESE ORES: Eighteen samples have been analysed from:—

Nova Scotia—Cape Breton county, Hay cove, two samples, and two others from undefined localities.

Ontario—Nipissing district—lot 6, con. I, of Capreol township, a manganese bog iron ore.

British Columbia—

Five samples from the Black Prince claim on Shaw creek.

Seven samples from undefined localities on Vancouver island.

Yukon—Mayo district, 1 sample—exact locality of occurrence not stated.

MOLYBDENUM ORES: One sample from Penn-Canadian Mines, Cobalt.

NICKEL ORES: Four samples from:—

Quebec—Pontiac county, lot 12, range XVI of Eardley.

Ontario—Two samples from Nelson and Langmuir townships; exact location not stated.

British Columbia—One sample from the west shore of the middle channel of Barclay sound, and one from a point near Ikeda bay.

POTASH-BEARING MATERIALS:—

The unusual demand for potash, caused by the requirements of the war, has led to the examination of materials, hitherto disregarded, for their possible content of this valuable salt. One such consisted of coal ash, or "flue dust," from boilers used in heating the west block of the departmental buildings at Ottawa.

It was found to contain 0.96 per cent of potash, of which 0.07 per cent was in a water soluble form.

A sample of potassium chloride, as manufactured from feldspar by the National Potash Co. of Toronto, was analysed and found to contain 64.66 per cent of KCl, 32.13 per cent of NaCl, and small quantities of other impurities.

In addition to the foregoing, 5 samples of supposed potash-bearing salts have been examined:—

Three samples from sec. 2, township 13, range 26, west of 3rd meridian, Sask.

One from Inglebright lake, occurring on secs. 13, 14, 23, and 24, township 16, range 25, west of 3rd meridian, Sask.

One from an alkali lake situated near the railway, 10 miles east of Maple Creek, Sask.

In none of the above was potash detected in more than mere traces.

PYRITOUS (SULPHUR) ORES:—

Thirteen samples of iron pyrites (and pyrrhotite) have been analysed with a view to ascertaining their adaptability, primarily, as sources of sulphur. Those examined were derived from the following localities in Ontario:—

Algoma—

Four samples from the Goudreau pyrite claim.

Vicinity of Franz station.

From the Goetz range, at mile post 2½, on Algoma Central railway.

Kenora—Fourteen miles S.W. of English River station, C.P.R.

Sudbury—Four samples from the townships of Dale and McOwen.

Thunder Bay—

Near Jack Pine station, C.N.R., east of Lake Nipigon.

Schreiber, vicinity of, two samples.

Frontenac county—(Pyrrhotite), lot 10, con. IV, of Olden township.

TUNGSTEN ORES: Four samples; all from Manitoba:—

Falcon Lake district, one sample.

Star Lake district, three samples.

None contained economic quantities of tungsten.

WATERS AND BRINES: One sample from Messrs. Paterson and Ryan's oil well at Glencoe, Ont. Potash was specially sought, but none was detected.

DIVISION OF MINERAL RESOURCES AND STATISTICS.

JOHN McLEISH, *Chief of Division.*

The Annual Report on mineral production presents not only a complete annual inventory of the mining and metallurgical industries of Canada but includes for each mineral product a discussion of trade conditions, imports, exports, domestic consumption, prices, and, from time to time, discussions of methods of preparation of ores and mineral products, their uses and markets.

The report is based upon statistical data collected by correspondence from some 3,500 smelter, mine, and quarry operators throughout the Dominion, supplemented by records of ore and mineral shipments furnished by railway companies, by records of ore receipts furnished by smelting companies both in Canada and in the United States, and by other data having a direct bearing on mineral production or on mineral consumption.

This series of annual records dates from 1886 and it has been the practice from the beginning to anticipate the complete report, the publication of which must necessarily for various reasons, be delayed until late in the year, by the issue, two months after the close of the year covered, of a "Preliminary Report on the Mineral Production of Canada." While subject to revision, the statistical records of this preliminary report, particularly in recent years, have been found in most products to approximate very closely indeed to the final revised records.

Since 1907 the publication of the complete Annual Report has been preceded by the advance publication of separate chapters as the compilation was completed on the more important mineral products, these advance chapters being re-printed, and included in the Annual Report.

Thus, not only have the final and complete statistical records been available more promptly but the publication of separate parts has made the data more readily available to those interested in particular subjects.

During the past three years the annual collection has been supplemented by monthly, or quarterly records of a number of the more important mineral products, particularly those the production of which became of first importance in the successful prosecution of the war. These included monthly records of the production of pig-iron and steel, of chromite, coal, pyrites, sulphuric acid, etc. The data thus obtained was furnished to the Fuel Controller, the Mineral Resources Commission, the War Trade Board, and other interested departments. In addition to the statistical records, numerous special memoranda and reports were prepared for the information of war boards and commissions as well as for the Imperial and United States Governments on the possible and probable production in Canada of many "war minerals."

In the completion of the final reports on mineral production during the calendar year 1917, Mr. A. Buisson has again compiled the statistics with respect to metals and metallic ores and has prepared the text of the chapters on gold, copper, lead, nickel, silver, zinc, and other miscellaneous metals. He has also compiled the list of "Metal Mines" and the list of "Metallurgical Works in Canada."

Mr. Casey has compiled all the statistics of the production of non-metalliferous products and structural materials as well as the records of imports of mineral products and has prepared for publication the various "Lists of Mine and Quarry Operators," with the exception of the "Metal Mines and Metallurgical Works."

9 GEORGE V, A. 1919

The following reports and lists were completed during the year and sent to press on the dates indicated:—

Reports—

- Preliminary Report on the Mineral Production of Canada, during the calendar year 1917. February 26, 1918.
- The Production of Copper, Gold, Lead, Nickel, Silver, Zinc, and other Metals in Canada, during the calendar year 1917. October 25, 1918.
- General Summary of the Mineral Production of Canada, during the calendar year 1917. November 20, 1918.
- The Production of Iron and Steel in Canada, during the calendar year 1917. November 29, 1918.
- The Production of Cement, Lime, Clay Products and other Structural Materials, during the calendar year 1917. December 11, 1918.
- The Production of Coal and Coke in Canada, during the calendar year 1917. December 16, 1918.
- Annual Report on the Mineral Production of Canada, during the calendar year 1917. January 25, 1919.

List of Mine Operators—

- List of Metal Mines in Canada. August 12, 1918.
- List of Mines in Canada (other than Metal Mines, Coal Mines, etc.). August 12, 1918.
- List of Petroleum and Natural Gas Wells (including a list of Petroleum Refineries). August 13, 1918.
- List of Coal Mine Operators in Canada. October 7, 1918.
- List of Metallurgical Works in Canada. October 28, 1918.

CO-OPERATION WITH THE DOMINION BUREAU OF STATISTICS IN THE COLLECTION OF MINERAL
PRODUCTION STATISTICS FOR 1917 AND 1918.

Pursuant to an arrangement entered into with the Dominion Bureau of Statistics, the complete files of statistical production records for the year 1917 collected by this Division were made available to the Dominion Bureau of Statistics of the Department of Trade and Commerce, and the compilation of the mineral production record made in this office was accepted by the Dominion Bureau of Statistics to be included in that Bureau's report on the census of the mining industry. The same co-operation is being continued in respect to the mineral production records for the calendar year 1918.

MINERAL PRODUCTION DURING 1918.

The mineral production of Canada during the calendar year 1918 has already been the subject of a Preliminary Report published on the 5th of March, 1919. As the revised figures are now available, they are presented in the following table.

In an analysis of the mineral production during 1918 it was stated in the Preliminary Report, and the comment applies equally with the revised record, that:—

“During the past three years greatly increased prices of metals and mineral products have contributed in large measure toward increasing the total value of the mineral production; nevertheless, it is satisfactory to note that out of about 45 items, or products, included in the mineral record, treating clay products and stone quarries each as a single item, no less than eighteen products have reached their highest production in actual quantity during 1918 or 1917.”

“The production of cement, clay products, stone quarries and other materials of construction was, as compared with maximum production before the war, reduced almost one-half because of the enforced cessation of building activity, whereas the production of metals and of various non-metals and fuels, most of which entered either directly or indirectly into war's requirements, was greatly increased.”

SESSIONAL PAPER No. 26a

"Comparing broadly the production during the past two years it will be noted that more than half the total increase has been due to the higher prices obtained for coal, and a considerable proportion of the balance of the increase to higher prices of silver, cobalt, and asbestos, though each of these products, with the exception of silver, was also produced in greater quantity than in the previous year."

MINERAL PRODUCTION OF CANADA DURING THE CALENDAR
YEAR 1918.¹

(Revised Statistics.)

Product.	Quantity.	Value.	Per cent of total.
Metallic.		\$	
Cobalt metallic and contained in oxide, etc.....*Tons.	1,347,544	3,368,860	1·59
Copper, value at 24·628 cents per lb. "	118,769,434	29,250,536	13·84
Gold.....Ozs.	699,681	14,463,689	6·85
Iron, pig, from Can. ore.....Tons.	47,444	1,204,703	0·57
Iron ore sold for export. "	118,472	498,999	0·24
Lead, value at 9·250 cents per lb.....Lbs.	51,398,002	4,754,315	2·25
Molybdenite, Mo S ₂ contents, valued at \$1.15 per lb.. "	378,029	434,733	0·21
Nickel, value at 40 cents per lb..... "	92,507,293	37,002,917	17·51
Platinum.....Ozs.	39	2,560	
Silver, value at 96·772 cents per lb..... "	21,383,979	20,693,704	9·79
Tungsten concentrates.....Lbs.	27,088	11,700	
Zinc, value at 8·159 cents per lb..... "	35,083,175	2,862,436	1·35
Total.....		114,549,152	54·21
Non-Metallic.			
Actinolite.....Tons.	228	2,508	
Arsenic, white and in ore..... "	3,560	563,639	0·27
Asbestos..... "	141,462	8,936,804	4·23
Asbestic..... "	16,797	33,993	
Chromite..... "	21,994	867,122	0·41
Coal..... "	14,977,926	55,192,896	26·12
Corundum..... "	137	26,112	
Feldspar..... "	18,782	112,728	
Fluorspar..... "	7,362	156,029	
Graphite..... "	3,114	248,870	0·12
Graphite, artificial..... "	904		
Grindstones..... "	3,072	83,005	
Gypsum..... "	152,287	823,006	0·39
Magnesite..... "	39,365	1,016,765	0·48
Magnesium sulphate..... "	1,949	14,565	
Manganese..... "	440	6,230	
Mica..... "	747	271,550	0·13
Mineral pigments:—			
Barytes..... "	640	10,165	
Oxides..... "	17,317	112,440	
Mineral water..... "		154,468	
Natural gas.....M. cu. ft.	20,140,309	4,350,940	2·06
Petroleum.....Bls.	304,741	885,143	0·42
Phosphate.....Tons.	140	1,200	
Pyrites..... "	411,616	1,705,219	0·81
Quartz..... "	268,155	629,813	0·30
Salt..... "	131,727	1,285,039	0·61
Talc..... "	18,169	119,197	
Tripolite..... "	500	12,500	
Total.....		77,621,946	36·74

* Short tons throughout.

MINERAL PRODUCTION OF CANADA DURING THE CALENDAR
YEAR 1918¹—*Concluded.*

(*Revised Statistics.*)

Product.	Quantity.	Value.	Per cent of total.
Structural Materials and Clay Products.		\$	-
Cement, portland.....	Brls. 3,591,481	7,076,563	3.35
Clay products:—			
Brick, common.....	No. 164,970,087	1,879,811	0.89
Brick, pressed.....	" 40,146,536	639,683	0.30
Brick, paving.....	" .....	.....	.....
Brick, moulded and ornamental.....	" 357,793	28,296	.....
Terra Cotta.....	" 174,752	15,146	.....
Fireclay and fireclay products.....	"	404,824	0.19
Fireproofing.....	No. 28,087	226,798	0.13
Hollow Bldg. Blocks.....	" 1,402,158	40,876	.....
Kaolin.....	Tons. 863	19,299	.....
Pottery.....	"	130,242	.....
Sewerpipe.....	" 36,574	699,774	0.33
Tile, drain.....	No. 19,762,101	499,340	0.24
Lime.....	Bns. 6,363,951	1,876,025	0.89
Sand-lime brick.....	No. 14,589,324	186,066	.....
Sand and gravel.....	Tons. 11,262,282	2,367,018	1.12
Slate.....	Sq. 933	5,124	.....
Stone:—			
Granite.....	"	590,871	0.28
Limestone.....	"	2,342,403	1.11
Marble.....	"	550	.....
Sandstone.....	"	102,750	.....
Total.....	.....	19,130,799	9.05
Grand total.....	.....	211,301,897	100.00

¹In presenting a total valuation of the mineral production as is here given, it should be explained that the production of the metals, copper, gold, lead, nickel, silver, and zinc is given as far as possible on the basis of the quantities of metals recovered in smelters, and the total quantities in each case are valued at the average market price of the refined metal in a recognized market. There is thus included in some cases the values that have accrued in the smelting or refining of metals outside Canada.

SESSIONAL PAPER No. 26a

DRAUGHTING DIVISION.

H. E. BAINE, *Chief Draughtsman.*

During the year 1918, in addition to the general work of this Division, instructions were received to supervise the compiling and printing of maps, diagrams, charts, etc., in connexion with the Canadian Munition Resources Commission, of which Mr. George C. Mackenzie of this Branch is secretary.

Up to date, five maps have been printed, and seven are in the hands of the printer.

We have also been able to introduce a system of filing for halftone blocks, zinc cuts, and photos belonging to the various reports, and which have been accumulating since the organization of the Branch.

The following is a list of maps published during the calendar year 1918:—

- 477. Peat Bogs investigated in Ontario.
- 484. Peat Bogs investigated in Quebec.
- 485. Girard Peat Bog, St. Johns and Napierville counties, Que.
- 486. Pont Rouge Peat Bog, parish of Cap Santé, Portneuf county, Que.
- 487. Peat Bogs investigated in New Brunswick.
- 488. St. Stephen Peat Bog, Charlotte county, N.B.
- 489. Hayman Peat Bog, parish of St. Stephen, Charlotte county, N.B.
- 490. Seely Cove Peat Litter Bog, parish of Pennfield, Charlotte county, N.B.
- 491. Pocologan Peat Bog, Charlotte county, N.B.
- 492. Musquash Peat Bog, St. John county, N.B.
- 586. Mechanical drawings, diagrams, charts, etc.
- 650. Blue prints.

Maps prepared for the Canadian Munition Resources Commission:—

Yukon.	scale: 16	miles=1	inch.
Nova Scotia.	" 8	" =1	"
New Brunswick.	" 7.89	" =1	"
Montreal sheet.	" 7.89	" =1	"
Montmagny sheet.	" 7.89	" =1	"

Maps in hands of printer:—

British Columbia.	scale: 17½	miles=1	inch.
Alberta.	" 17½	" =1	"
Saskatchewan.	" 17½	" =1	"
Manitoba.	" 17½	" =1	"
Ontario.	" 17½	" =1	"
Quebec.	" 17½	" =1	"
Prince Edward Island.	" 7.89	" =1	"

**REPORT COVERING THE OPERATIONS OF THE DOMINION OF CANADA
ASSAY OFFICE, VANCOUVER, B.C., DURING THE YEAR ENDING
DECEMBER 31, 1918.**

REPORT OF THE MANAGER, G. MIDDLETON.

I.

The following is a report covering the operations of the Dominion of Canada Assay Office, Vancouver, B.C., for the calendar year ending December 31, 1918.

Instructions were received on January 24, 1918, to ship the gold bullion purchased by this office to the Royal Mint at Ottawa; the returns, however, do not compare favourably with those of former years, there being a difference of \$659.43 against this office on bullion shipped to the Royal Mint, as shown in this report under the heading "Disbursements, Receipts, etc."

9 GEORGE V, A. 1919

GOLD BULLION.

There were 1,358 deposits of gold bullion received, melted, assayed and purchased; before disposing of same the small deposits were assembled and melted into large bars, which were also assayed. A total of 1,420 meltings and 1,420 assays were required in connexion with the purchase and disposal of the bullion, all assays being run in quadruplicate.

Two hundred and twenty ounces of quartation silver were manufactured and punched into discs ranging in weight from 25 to 750 mgrms.; 13,600 cupels of different sizes were also manufactured and 395 pounds of slag treated and the values contained in same recovered.

The aggregate weight of the gold bullion deposits before melting was 241,762.77 troy ounces and after melting 238,245.13 troy ounces, showing a loss in melting of 1.455 per cent. The loss in weight by assaying was 27.11 troy ounces, making the weight of bullion after melting and assaying 238,218.02 troy ounces, the average fineness of same being .827 $\frac{3}{4}$ gold and .138 silver.

The net value of the gold and silver contained in deposits was \$4,099,595.80, and was received from the following sources:—

Source.	Number of deposits.	Weight.		Net value.
		Before melting and assaying.	After melting and assaying	
		(Troy ozs.)	(Troy ozs.)	\$
British Columbia	872	120,280.75	118,046.88	2,175,511.48
Yukon Territory.....	485	121,463.50	120,153.96	1,923,764.66
Alberta	1	18.52	17.18	319.66
	1,358	241,762.77	238,218.02	4,099,595.80

CREDITS AND DISBURSEMENTS FOR THE PURCHASE OF GOLD BULLION.

Unexpended balance, "Letters of Credit," January 1, 1918.....	\$ 155,678.09	
Credits established.....	4,400,000.00	
Balance written off at close of fiscal year, March 31, 1918.....		\$ 109,374.04
Disbursements.....		4,099,595.80
Unexpended balance, "Letters of Credit," December 31, 1918		346,708.25
	<u>\$4,555,678.09</u>	<u>\$4,555,678.09</u>

DISBURSEMENTS AND RECEIPTS FOR THE PURCHASE AND SALE OF GOLD BULLION.

Value of bullion on hand, January 1, 1918. . .	\$ 53,903.70	
Disbursements for the purchase of bullion. . .	4,099,595.80	
Receipts from bullion sold for manufacturing purposes.....		\$ 126,975.07
Receipts from bullion shipped to United States Assay Office, Seattle, Wash., U.S.A. . .		89,011.54
Receipts from bullion shipped to Royal Mint, Ottawa, Ont.		3,732,525.56
Value of bullion shipped to Royal Mint, Ottawa, for which returns have not yet been received.		111,643.54
Value of bullion on hand, December 31, 1918..		94,845.45

SESSIONAL PAPER No. 26a

Difference in favour of this office on bullion sold for manufacturing purposes.	2,029 65	
Difference in favour of this office on bullion shipped to United States Assay Office, Seattle, Wash., U.S.A.	140 44	
Difference against this office on bullion shipped to Royal Mint, Ottawa. . . . .	.....	659 43
	<u>\$4,155,660 59</u>	<u>\$4,155,660 59</u>

CONTINGENT ACCOUNT.

Unexpended balance, January 1, 1918.	\$ 330 85	
Funds provided per official cheques Nos. 2211, 2429, 2663, 9, 188, 476, 751, 1013, 1275, 1501, 1704 and 2086.	2,775 00	
Amount remitted Receiver General per draft No. 179 at close of fiscal year, March 31, 1918. . . . .	.....	\$ 47 59
Expenditure. . . . .	.....	2,992 66
Unexpended balance, December 31, 1918. . . . .	.....	65 60
	<u>\$3,105 85</u>	<u>\$3,105 85</u>

CONTINGENT EXPENDITURE.

Fuel (gas).	\$ 762 15
Power.	274 22
Express charges on bullion (Vancouver, B.C., to Seattle, Wash., U.S.A.).	74 62
Express charges on bullion boxes (Ottawa, Ont., to Vancouver, B.C.).	51 30
Electric vault protection.	200 09
Postage.	70 00
Telephones.	86 95
Expressage, freight, etc., on supplies and new equipment.	163 54
Installing new equipment.	111 07
Assayers' and melters' supplies (purchased locally).	859 72
Sundries.	239 09
	<u>\$2,992 63</u>

NEW EQUIPMENT.

During the month of November a No. 15 Case gas muffle furnace was received and installed in melting room.

PROCEEDS FROM SALE OF RESIDUES.

Residue recovered from slags, sweepings, etc.	\$881 37
42 empty acid bottles.	5 04
	<u>\$886 41</u>

NOTE.—12.02 ounces silver (recovered from slags, etc.) were turned over to assayers on March 21, 1918, for assaying purposes.

RESIDUES ON HAND, DECEMBER 31, 1918.

Residue recovered from slags, sweepings, etc.	\$700 95
22 empty acid bottles. . . . .	.....

9 GEORGE V, A. 1919

MISCELLANEOUS RECEIPTS.

Draft No. 479, in favour of Deputy Minister of Mines (a payment for treating 22 ounces gold leaf sign scrapings)	\$ 1 50
Draft No. 482, in favour of Deputy Minister of Mines (a payment for treating 32.98 ounces old silver)	5 50
Draft No. 503, in favour of Deputy Minister of Mines (a payment for 1 old analytical bullion balance)	35 00
Draft No. 511, in favour of Deputy Minister of Mines (a payment for melting 0.33 ounces bullion) \$1 00 (A payment for 1 special assay) 2 00	3 00
Draft No. 514, in favour of Deputy Minister of Mines (a payment for special assay)	3 00
Draft No. 555, in favour of Deputy Minister of Mines (a payment for 16½ pounds mercury (impure)	16 50
Draft No. 508, in favour of Deputy Minister of Mines (a payment for treating 11 pounds slag)	2 00
Draft No. 587, in favour of Deputy Minister of Mines (a payment for platinum and gold recovered from samples of sands assayed as a whole)	35 37
	<hr/> \$101 87

COMPARATIVE STATEMENT OF GOLD BULLION DEPOSITED DURING THE PAST SIX YEARS.

Calendar year.	Number of deposits.	Weight. (troy ozs.)	Net value. \$
1913	783	111,479.95	1,448,625.37
1914	1,112	166,148.83	2,029,251.31
1915	1,901	183,924.49	2,736,302.31
1916	1,779	180,292.83	2,828,239.65
1917	1,583	191,626.04	3,257,229.71
1918	1,357	241,762.77	4,099,595.80

II.

PLATINUM.

Instructions were received on July 15 to make preparations for the assaying at this office of platinum-bearing ores and sands in connexion with the operation of the Canadian Munitions Resources Commission, and an assayer was sent from Ottawa for that work. Further instructions were received on July 19 to also make preparations to purchase platinum metals for the Imperial Munitions Board and the refining and melting of platinum deposits were in due course undertaken by a member of our assaying staff.

Additional floor space and equipment had to be obtained in order to carry on these two branches of work. Three adjoining rooms were secured, but they had to be remodelled and enlarged, which was arranged by extending them across the lane owned by the Government. An entrance to the platinum division was made from the melting room and the former outside entrances to the rooms acquired built up. The new equipment consists of two fume cupboards, electric still, crusher, pulverizer, motor, No. 15 Case gas muffle furnace, melting equipment, analytical and button balances, operating table, etc.

One hundred and eighty-nine samples of platinum-bearing ores and sands were assayed, of which one hundred and one were for the commission and the balance for prospectors and others. On November 20 the assayer who was sent from Ottawa left the service and one hundred and twenty-one unassayed samples then on hand were

SESSIONAL PAPER No. 26a

taken by the commission to Ottawa, but instructions have since been received that assays of platinum-bearing ores and sands may continue to be made.

Seventy-nine deposits of crude and scrap platinum were received, but on account of the market being established so late in the season, there was only a portion of the output of crude platinum deposited at this office.

Instructions were received on December 14 to discontinue the purchase of platinum after December 31, 1918. Settlement will in due course be made for the deposits received towards the end of December and the whole of the platinum metals purchased will thereafter be shipped to the Imperial Munitions Board, care of the Royal Mint, Ottawa.

PLATINUM AND PLATINUM ORES ACCOUNT.

Funds provided—	
July 23, 1918—Transferred from Ottawa	\$2,000 00
Aug. 5, 1918— " "	1,100 00
Sept. 24, 1918— " "	500 00
Nov. 12, 1918—Per official cheque, No. 1673	225 00
Dec. 20, 1918— " " No. 2086	75 00
	<hr/>
	\$3,900 00
Expenditure	\$3,882 20
Unexpended balance, December 31, 1918	17 80
	<hr/>
	\$3,900 00
	<hr/>
	\$3,900 00

EXPENDITURE FOR EQUIPMENT AND SUPPLIES IN CONNEXION WITH THE ASSAY OF PLATINUM-BEARING ORES AND SANDS AND PURCHASE OF PLATINUM METALS.

Equipment and supplies	\$3,599 89
Expressage and freight on equipment	108 63
Fuel (gas)	81 24
Power	22 00
Sundries	70 53
	<hr/>
	\$3,882 20
	<hr/>

CREDITS AND DISBURSEMENTS FOR THE PURCHASE OF PLATINUM TO DECEMBER 31.

Credits established	\$9,000 00
Disbursements	\$7,955 87
Unexpended balance, December 31, 1918	1,044 13
	<hr/>
	\$9,000 00
	<hr/>
	\$9,000 00

LIST OF REPORTS, BULLETINS, ETC., PUBLISHED DURING THE YEAR 1918.

MARC SAUVALLE, *Chief of Publishing and Translating Division.*

S. GROVES, *Editor Department of Mines.*

337. Catalogue of Mines Branch Publications (Ninth Edition). Published September 4, 1918.
452. Building and Ornamental Stones of Canada, Vol. V: Province of British Columbia. Report on—by W. A. Parks, Ph.D. Published August 29, 1918.
454. Mines Branch Summary Report for 1916. Published January 25, 1918.
463. Clay Resources of Southern Saskatchewan. Report on—by N. B. Davis, M.A., B.Sc. Published August 3, 1918.
471. Production of Copper, Gold, Lead, Silver, Zinc, etc., for the calendar year 1916. Bulletin on—by John McLeish, B.A. Published March 21, 1918.
472. Mineral Springs of Canada: Part II—The Chemical Character of Some Canadian Mineral Springs. Report on—by R. T. Elworthy, B.Sc. Published August 21, 1918.
474. Mineral production of Canada for calendar year 1916. Annual Report on—by John McLeish, B.A. Published August 6, 1918.
476. The Occurrence and Testing of Foundry Moulding Sands. Bulletin on—by L. H. Cole, B.Sc. Published April 2, 1918.
478. Preliminary Report on the Mineral Production of Canada during the calendar year 1917. By John McLeish, B.A. Published March 6, 1918.
479. Analyses of Canadian Fuels: Part I—The Maritime Provinces. Bulletin on—compiled by Edgar Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc. Published July 31, 1918.
480. Analyses of Canadian Fuels: Part II—Quebec and Ontario. Bulletin on—compiled by Edgar Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc. Published July 31, 1918.
481. Analyses of Canadian Fuels: Part III—Manitoba and Saskatchewan. Bulletin on—compiled by Edgar Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc. Published July 17, 1918.
482. Analyses of Canadian Fuels: Part IV—Alberta and Northwest Territories. Bulletin on—compiled by Edgar Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc. Published July 29, 1918.
483. Analyses of Canadian Fuels: Part V—British Columbia and Yukon Territory. Bulletin on—compiled by Edgar Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc. Published July 17, 1918.
493. Mines Branch Summary Report for 1917. Published December 3, 1918.

List of Mine Operators—

List of Coal Mine Operators in Canada.

List of Mines in Canada (other than Metal Mines, Coal Mines, Stone Quarries, Clay Plants, etc.).

List of Metal Mines in Canada.

List of Metallurgical Works in Canada.

List of Petroleum and Natural Gas Wells.

FRENCH TRANSLATIONS.

402. French translation: Feldspar in Canada. Report on—by H. S. deSchmid, M.I.E. Published March 19, 1918.
412. French translation: Cobalt alloys with non-corrosive properties. Report on—by H. T. Kalmus, B.Sc., Ph.D. Published January 30, 1918.
455. French translation: Mines Branch Summary Report for 1916. Published August 7, 1918.
475. French translation: The Mineral Production of Canada during the calendar year 1916. Annual report on—by John McLeish, B.A. Published October 1, 1918.

SESSIONAL PAPER No. 26a

INDEX

A

	PAGE.
Albert oil shales: test of.	75
Alberta bituminous sands for roads.	194
Algoma Steel Corporation: quartzite for silica brick.	55
Alice Arm molybdenite tested.	118
Analysis: Atikokan iron ore	21, 22
" bentonite.	160
" bituminous sand	197
" Boston township pyrite.	43
" British Columbia clay.	158
" coal samples.	88
" copper ore, Ikeda bay	113
" Eby township pyrite.	44
" English river pyrite.	32
" graphite concentrates.	127, 128
" Lake Superior pyrite.	33, 34
" Malagash brine.	70
" " rock salt.	71
" marine clay, eastern Ontario.	162
" material interbedded with dolomite.	69
" Mike Ralph pyrites.	25
" molybdenite ore.	110, 111, 122
" " tailings.	241
" Moyer Veteran pyrite.	45
" Net island pyrite.	30
" New Brunswick sandstone.	64, 65
" Norman township pyrites.	27
" Nova Scotia quartzites.	65
" " silica sand.	66
" Ontario limestone.	49, 50
" Porcupine area pyrite.	45
" Prince Edward Island sand.	64
" pyrite ore from R. Gamble.	133
" quartz samples.	56
" quartzite, Notre Dame des Anges.	60, 61
" " Pilgrim islands.	62
" " St. Pascal district.	63
" Quebec limestone.	47, 48
" Rush lake mineral.	26, 27
" sandstone.	58, 59
" schalite ore.	147
" Shand mine coal.	88, 90, 101, 102, 103, 104, 105
" silica samples.	54, 55, 56
" Souris coal.	88
" Sturgeon lake pyrite.	39
" Sydney Phalen coal seam.	88
" Timagami district pyrite	41, 42
" titanic iron ore.	108
" volcanic ash.	161
" of Canadian fuels; bulletins published.	87
Anrep, Aleph: transferred to Geological Survey	74
Ansell, J.—pyrites mining claim.	34
Apatite for pottery use.	167
Arsenic in molybdenite ore from New Hazelton.	123, 125
Assay office, Vancouver: report.	213
Assays chemistry division.	201
Atikokan Iron Co.	21
" iron range.	20
" pyrites deposits.	14

B

Baine, H. E.—report draughting division.	213
Bancroft, J. A.—reference to report on copper deposits, Eastern Townships.	14
Bancroft Marble Quarries, Ltd.	49
Barr, S.—investigations as to recovery of potash from cement works.	12
Barton, Jas. W.—molybdenite ore sent for test.	120

	PAGE
Bentonite, character, uses, occurrences, etc.	159
Bituminous sands for rural roads	194
" " of California	197
Black, J. S.—gold ore submitted for test	133
Blair, Melville: moulding sand pits worked by	68
Blizard, John: investigation of Nicu steel	8, 75
" " work of	75
Bobs lake pyrites deposit	44
Boston township pyrites prospects	42
Brunette, Chas.—pyrites claims	16
Buisson, A.—work of	209
Burchell, H. C.—molybdenite ore sent for test	109

C

Cameron, Geo. A.—scheelite ore submitted for test	146
Canada Carbide Co., Ltd.—limestone quarry	48
Canadian China Clay Co.—kaolin and quartzite	59, 60
Cantelo, R. C.—work on oil analysis	86
Canton, Frank W.—scheelite concentrates submitted for test	135
Cardiff Collieries: lignite samples test	94
Casey, J.—work of	209
Ceramic division: report	153
" " work of	10
Chambers, A. R.—drilling operations for rock salt	71
Chemical laboratories: report	151
" " work of	151
Chemistry division: report of F. G. Wait	201
Chisholm, E.—manganese ore for test	114
Clark, K. A.—report on road materials	169
Clindinin, D. E.—scheelite concentrates submitted for test	150
Clays: British Columbia	153
" eastern Ontario	162
" for pottery use	166
" northern Ontario	167
" Nova Scotia, character of	168
" physical tests of	165
Clayworking industry	163
Coal: large scale laboratory experiments	99
" small " " "	90
Cobalt in molybdenite ore from New Hazelton	121, 122, 125
Cole, L. H.—investigation of sands and sandstones	9
" report on silica, etc.	52
" rock salt, report on	10
Coleman, D.—pyrite deposit located by	39
Combined Larder Mines, Ltd.	43
Conmee township: pyrites deposits	14, 22
Copper ore, Ikeda bay, tested	113
" Timagami district	41
Crenshaw, S. D.—pyrites prospect	35
Cross and Whelan—pyrites prospect	38

D

Davis Sulphur Ore Co.	23, 33, 34
Day, J. F.—molybdenite ore submitted for test	131
Decorative building stones: Wolfe River district	69
Diatomaceous earth, Maritime Provinces	64, 65
Dolomite for decorative purposes	69
Dominion Iron and Steel Co.—silica brick from Nova Scotia quartzites	65
Dowling, D. B.—investigation as to gasolene	87
Drapeau, Arsine: quartzite ridge on property of	63
Draughting division: report H. E. Baine	213
Drummond pyrites claims, Furlonge lake	15

E

Eagle lake: pyrite at	30
Eby township: pyrites prospect	44
Electric Reduction Co.—use of quartz as flux	60
Ells, S. C.—report on bituminous sands of Alberta	199
Elora White Lime Co.	50
English river: pyrites deposits	31
Estevan area lignite: examples of analysis	88

F

Fanning prospect	37
Farland, Ovide: limestone quarry	47
Fetick, Harry O.—pyrites prospect	44

SESSIONAL PAPER No. 26a

	PAGE
Ferrier, W. F.—samples of B. C. clays	154
Ferro-molybdenum slag: test of	135
Fireclay: first record of occurrence of No. 1	168
Frechette, Howells: limestone investigation	9
“ “ “ report of	47
French translations published	218
Fuels and fuel testing: report on	74
“ “ “ work of the division	8
Furlonge lake: pyrites claims	15
G	
Gagnon, Phillip: pyrite deposit	29, 39
Galena, Rush Lake iron range	26
“ Sudbury district	36
Gamble, R. C.—pyrite deposit, Net Island	31
“ Robt.—pyrite ore submitted for test	132
Gas results—lignite carbonization	105
Gauthier, Henri: investigation work on road materials	169
General Chemical Co.—investigation of pyrites deposits	14
“ “ Northpines mine	36
“ “ pyrites claims	23
Gilmore, R. E.—lignite investigations	86
Goodwin, Dr.—titaniferous iron ore submitted for test	144
Gold: associated with molybdenite ore from New Hazelton	121, 123, 125, 126
“ Hearst township	43
“ Ikeda bay copper ore	113
“ Kowkash area	39
“ north shore Lake Superior	35
“ ore, Sudbury, test of	133
“ quartz, Wolfe county, Quebec, test of	132
“ Timagami district	40, 41
“ West Hawk lake pyrrhotite deposits	29
Graphite: concentrates tested	127
“ investigation by H. S. Spence	9, 51
“ ore tested	147, 149
Grasselli Chemical Co.	41
“ “ sulphide deposits	16
Gravels: tests of	172
Guthrie claims: pyrite, pyrrhotite and limonite	29
Gypsum: associated with rock salt at Malagash	71
H	
Haanel, B. F.—report on fuels and fuel testing	74
“ Dr. Eugene: introductory to Summary Report	7
Halbert, Wm., mine: lignite samples test	94
Hales, James: interest in pyrites prospect	43
Haleys: molybdenite ore from tested	131
Hants Co. manganese ore: test of	114
Hardy, T. W.—investigation of Nicu steel	8, 75
“ “ work of on gas analysis	86
Harrington, Mrs. Geo.—manganese ore from farm of tested	140
Harris pyrites mine	42
Hearst township: pyrites prospects	42
Hematite	20, 30
Hornick pyrites prospect	38
I	
Ikeda, A.—copper ore sent for test	113
“ bay: copper tested	113
Ilmenite: car load tested	108
International Molybdenum Co.	119
Introductory	7
Iron range, Nickel lake	16
Irwin, George: claims Sudbury district	36
J	
Jackfish pyrites deposits	35
James lake pyrites mine	42
Jas. H. Mason Smelting Co.—graphite ore submitted for test	149
Jefferson iron mine	25
Johnston, J. A.—molybdenite ore submitted for test	136
K	
Kakabeka falls: molybdenite ore tested	111
Keele, J.—report ceramic division	153
Kirkegaard, P.—work on Whelan pyrites claim	42
Kowkash gold area: pyrites in	39

L

	PAGE
Lake Ste. Marie: pyrite	39
Laurin and Leitch Engineering and Construction Co.—limestone quarry	48
Lawson, A. C.—pyrites deposits, Lake of the Woods	28
Lebris, Joseph: quartzite ridge on property of	63
Leger, H.—molybdenite ore submitted for test	137
Library	11
Lignite: carbonization of	87
“ tests of	86, 102, 103, 104, 105
Limestone: investigation	9
Limestones of Ontario and Quebec	47
Limonite	16, 19, 20, 24, 29, 30, 32, 36, 40, 44
Loon lake: molybdenite ore from tested	136

M

McCann, J. C.—pyrite claims	40
McCart township: pyrites claim	45
McCarthy, C. M.—clays on Mattagami and Missinaibi rivers examined by	167
McKay, George: drilling operations for rock salt	71
McLeish, John: report mineral resources and statistics	209
Mackenzie and Mann: pyrite locations, Steeprock lake	18
Mackenzie, G. C.—report ore dressing and metallurgical division	107
Mabee, H. C.—report chemical laboratory	151
Magnetite	16, 17, 20, 21, 22, 23, 24, 25, 26, 28, 30, 31, 32, 33, 39, 43
Maisonville township: iron formation	44
Malagash, N.S.—discovery of rock salt at	10, 70
Malloch, E. S.—work of	8, 75
Maloney, J. L.—limestone quarry	50
Mandy pyrites claim	41
Manganese ore: Gowland mt., New Brunswick, test of	140
“ “ Hants co., N.S., test of	114
“ “ submitted for test	145
“ “ tested	138
Mantle, A. W.—mechanical work done	106
Maps published and prepared	213
Masham, Que.—molybdenite ore from tested	145
Matheson pyrites claims	23
Mechanical work done at fuel testing station	106
Meehan, M.—mining property, Sudbury district	36
Metalliferous mines division, work of	12
Mica for condenser plates	51
“ investigation of	9
Michie pyrite mine	37
Middleton, G.—report Vancouver assay office	213
Migneault, Louis: quartzite ridge on property of	63
Mineral production: large increase	210
Mineral resources and statistics, co-operation with Department of Trade and Commerce	10
“ “ report	209
“ “ work of division	10
Minnitaki lake: pyrites deposit	14, 37
Missinaibi: pyrites prospects	35
Molybdenite concentrates: production of	107
“ ores tested	108
Moran, J.—work on mine air analysis	86
Morgan, E. H.—limestone quarry on farm of	48
Morley pyrites prospect	34
Morrison pyrites claims	23
Morton (pyrite) lease	24
Mosher, Mr.—moulding sand deposits	68
Moulding sand: character of deposits	68
“ “ deposits Eastern Canada	66
“ “ notes on	66
“ “ See Silica	66
Moyer Veteran pyrite claim	45
Mudge, J. D.—pyrite prospect	33
Murray, Peter: discovery of salt on farm of	70

N

Nelson, Olie: pyrites claims	35
Net Island: pyrites deposits	30
Nett lake: molybdenite ore from tested	120
New Brunswick oil shales. See Albert oil shales.	
“ Hazelton Gold Cobalt Mines, Ltd.—molybdenite ore tested	121
“ Quebec Graphite Co.—graphite concentrates submitted for test	127
“ Ross molybdenite ore tested	109

	PAGE
Reports, bulletins, etc., published; list of	218
Research work of Mines Branch.	8
Rib lake pyrites mine.	42
Road Materials Division: report.	169
" " " work of.	11
" " United States tests.	171
Robertson, D. and Co.—limestone and sandstone quarry.	55
Robinson, A.H.A.—investigation of pyrites resources	13
" " work of.	8
Rochon claims: pyrite and pyrrhotite, Lake of the Woods.	29
Rosslund molybdenite ore tested.	118
Rosspport (Lake Superior) pyrites deposits.	32
Rush lake iron range.	25
" " pyrites deposits.	14

S

St. Claire Gas Co.—test of Albert oil shales.	75, 76
Sabawee lake: iron ore, pyrite, pyrrhotite, etc., at.	20
Salt in Nova Scotia: importance of discovery.	72
" " L. Heber Cole.	52
" " notes on discovery of.	70
" rock: discovery at Malagash, N.S.	10
" to prevent fire checking in brick.	163
Sands and sandstones: investigation of.	9
Sandstone: New Brunswick.	64
" with high silica content.	53, 54, 55
" Wolfe River district	69
Saskatchewan Coal, Brick and Power Co.—coal from Shand mine tested.	86, 90
Sauvalle, Marc: list of reports, bulletins, etc., published.	218
Scheelite concentrates tested.	135, 146, 150
Schist harbour: pyrites claims.	35
Schmidt pyrite claims.	37
Schreiber: pyrites prospects.	33
Shale deposits for brick making.	164
Shoal lake: pyrrhotite deposits.	28
Shotwell, J. S. G.—work of	86
Shutt, Dr. F. T.—analysis of brine.	70
Silica and moulding sand resources of eastern Canada: L. Heber Cole.	52
" brick: operations of Dominion Iron and Steel Co.	65
" deposits in Nova Scotia.	65
" forms of.	53
" for pottery use.	166
" uses of.	53
Silver: associated with molybdenite ore from New Hazelton.	121
" Ikeda bay copper ore.	113
" inclusions of in dolomite.	69
Smith-Travers-Laforest pyrites prospect.	35
Smith, W. E.—iron claims.	25
Spence, H. S.—graphite investigation.	9
" report on graphite.	51
Standard Crushed Stone Co.—limestone quarry.	54
Stansfield, Edgar: report chemical laboratory, fuel testing station.	86
Steeprock lake: pyrites deposits.	18
Stewart, Miss D. M.—index of metallurgical occurrences	13
Stranahan, C.B.—prospecting for pyrites	17
" pyrites operations.	42
Strawhat lake: pyrite deposits.	19
Sturgeon lake pyrites.	38
Sudbury district: pyrites claims.	36
Sulphur: Hearst township.	43
" possibilities Atikokan.	14, 20
" " Nickel lake	16, 18
" " Rush lake.	25
" " Steeprock lake.	19
" " Timagami district.	40
Sulphur lake pyrites prospect.	35

T

Talc.	166
Tar results—lignite carbonization.	104
Tindall pyrite claims	36
Titanic Iron Co.—limonite submitted for test.	108
Titaniferous iron ore: samples tested.	144
Tivani Electric Steel Co.—ferro-molybdenum slag submitted for test.	138
Turgeon, O.—manganese ore submitted for test.	145
Tysick, Robert: limekiln	48

SESSIONAL PAPER No. 26a

V		PAGE
Vermilion lake: pyrite deposits.		36
Volcanic ash: character, uses, etc.		161
W		
Wait, F. G.—report of Chemistry division.		201
Wash oils: tests of.		86
Wallace, J. A.—pyrite claims	17,	18
" retort, description of.		76
" " test of Albert shales in.		75
Wallich, Chas. J.—gold quartz submitted for test.		132
West Dominion Collieries: lignite samples test.		94
West Hawk lake: pyrrhotite deposits.		28
Whelan and Cross pyrites property.		14
" pyrites prospect.		42
Whitefish lake: pyrites.		39
Willet lake: pyrite deposit.		40
Williams and Ruffner: molybdenite ore sent for test.		119
Wilson, Dr. A. W. G.—investigations as to recovery of potash from cement works.		12
" " report.		12
" " work of.		8
" Dr.—zinc-lead ore submitted for test.		126
Winger, S. W.—sandstone beds on farm of.		54
Wolfe River district: decorative building stones.		69
Woman River iron range.		25
Wood Molybdenite Co.—molybdenite ore submitted for test.		145
" " " tailing submitted for test.		136, 141
Y		
Yukon: scheelite concentration from tested.		135
Z		
Zinc blende, Rush Lake iron range.		26
" Sudbury district.		36
" lead ore from Carmacks tested.		126

154418
Gov. Doc.
Can.

154418

Author Canada. Parliament

Title Sessional papers, Vol. 54, no. 8, 1919.

University of Toronto
Library

DO NOT
REMOVE
THE
CARD
FROM
THIS
POCKET

Acme Library Card Pocket
Under Pat. "Ref. Index File"
Made by LIBRARY BUREAU

