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Commentaires supplémentaires:

There are some creases in the middle of the pages.

In Sessional paper No 9, Twelfth Annual Report ... 30th June, 1879, page 139 is incorrectly numbered page 3.

Sessional paper No. 9, Supplement No. 2 starts at page [iii].

In Sessional paper No. 9, Supplement No. 2, page xviii is incorrectly numbered page xvii.

In Sessional paper No. 9, Reports of Fishery Officers ... 1879, page 242, 279 & 309 are incorrectly numbered page 22, 29 & 3.

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VOLUME 6.

SECOND SESSION OF THE FOURTH PARLIAMENT

OF THE

DOMINION OF CANADA.

SESSION 1880.



VOLUME XIII.

PRINTED BY MACLEAN, ROGER & Co., WELLINGTON STREET, OTTAWA.

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- No. 18a... Supplementary papers, relating to the removal of the Hon. Luc Letellier de St. Just, from the office of Lieutenant Governor of the Province of Quebec.
- CANADIAN PACIFIC RAILWAY**:—Articles of agreement entered into between the following contractors and Her Majesty Queen Victoria, in connection with the Canadian Pacific Railway, viz.:
- No. 19... John Ryan—to do the excavation, grading, bridging, track-laying, ballasting, station building, etc., on the Colonization Railway, north-westerly from Winnipeg, Manitoba, about 100 miles.
- No. 19a... Andrew Onderdonk—to do the excavation, grading, bridging, track-laying, ballasting, etc., from Emory's Bar to Boston Bar, British Columbia, about 29 miles (Section A).
- No. 19b... Ryan, Goodwin & Co.—to do the excavation, grading, ballasting, etc., between Boston Bar and Lytton, British Columbia, about 29 miles (Section B).

- No. 19c.. CANADIAN PACIFIC RAILWAY :—Andrew Onderdonk—to do the excavation, etc., required between Lytton and Junction Flat, about 6 miles above Spence's Bridge, on the River Thompson, B. C., about 28½ miles in length (Section C).
- No. 19d.. Andrew Onderdonk—to do the excavation, grading, bridging, track-laying, ballasting, etc., between Junction Flat and Savona's Ferry, British Columbia, about 40½ miles in length (Section D).
- No. 19e.. Miller Bros. & Miller—to supply 700 tons of railway spikes, delivered, 400 tons at Fort William and 300 tons at Montreal, for the Canadian Pacific Railway.
- No. 19f.. The Dominion Bolt Co.—to supply 35 tons of fish-plates, bolts and nuts, at Fort William, for the Canadian Pacific Railway.
- No. 19g.. Correspondence in connection with letting of the following contracts for the supply of 5,000 tons of steel rails and fastenings, etc., viz.: the West Cumberland Iron and Steel Co. (Limited), for 1,000 tons; the Barrow Co. for 1,500 tons; the Ebbw Vale Co. for 1,500 tons; and the Patent Nut and Bolt Co. for 48 tons.
- No. 19h.. Agreement, R. Dickson, to erect station buildings, etc., on the Pembina Branch, Canadian Pacific Railway.
- No. 19i.. Agreement, Guest & Co., for 10,000 tons steel rails and quantity fish plates, etc.
- No. 19k.. Return to Address; Reports made since the first day of March, 1879, respecting any portion of the route or proposed route of the Pacific Railway; also, Reports of exploration of any portion of the country between the neighborhood of Fort Pelly and the Pacific Ocean *via* the Peace River Valley or Pine River Pass, with all Orders in Council respecting such explorations or the adoption of the route of the said Pacific Railway; and also, all correspondence relating to the same. Also, all Reports made by Capt. Brundage upon Port Simpson and the navigation of Dixon's Entrance.
- No. 19l.. Articles of agreement between the Barrow Hematite Steel Company (Limited), and Her Majesty Queen Victoria, for the supply of 30,000 tons of steel rails, with fish-plates, bolts and nuts, for the Canadian Pacific Railway.
- No. 19m.. Return to Address; Copies of all tenders for works on the Pacific Railway since January, 1879; and of all tenders received, showing the names of all sureties, etc., with Orders in Council and correspondence, not heretofore brought down.
- No. 19m.. Supplementary Return to Address; Copies of all tenders for works on the Pacific Railway since January, 1879, and all tenders received, showing the names of all sureties, etc., with Orders in Council and correspondence, not heretofore brought down.
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- No. 19n.. Return to Address; Orders in Council and correspondence which led to the postponement or abandonment of the Georgian Bay Branch of the Canada Pacific Railway, etc.
- No. 19o.. Return to Order; Statement showing the names and salaries of all persons engaged during the year 1879, as Engineers and Assistants in the field on the Canada Pacific Railway, etc.
- No. 19p.. Return to Order; Correspondence respecting the non-efficiency of the Canadian Pacific Railway Telegraph; correspondence with the contractors in reference to the working of the line, and a Statement showing the moneys paid for the construction of each section, etc. (*Not printed.*)
- No. 19q.. Return to Order; Copy of a memorandum of location of Canadian Pacific Railway, 1879, by Mr. Marcus Smith.

No. 19... **CANADIAN PACIFIC RAILWAY**:—Return to Order; List of all vessels that have carried cargoes to the Fort William terminus of the Pacific Railway.

No. 19s... Articles of agreement entered into between George Bowie and M. McNaughton and Her Majesty the Queen, to do the excavation, etc., on the 2nd 100 mile section of the Canadian Pacific Railway, west of Red River (about 100 miles).

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No. 26... **TREATIES, COMMERCE AND NAVIGATION**:—Return to Address (Senate); Treaties of Commerce and Navigation between Great Britain and Foreign Powers, containing "most favored Nation" clauses; stating the period when terminable, and showing whether they apply to the British Colonies.

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No. 28... **COAL CARS, OVERWEIGHT**:—Return to Order; Monthly Return of the Number of Coal Cars checked for being over weight, upon the Government Railway in Nova Scotia and New Brunswick, between 1st July, 1878, and 1st March, 1879; also, a Return showing the quantity of Coal sold by the Government to their employes and others. (*Not printed.*)

No. 29... **WELLAND CANAL**:—Return to Order; Statement showing the quantities and prices of all supplies for the Welland Canal, from 1st January, 1871, to 4th November, 1878. (*Not printed.*)

No. 29a... Return to Order; Vouchers and other papers connected with the payment of all fees, costs and charges to James G. Currie and John M. Currie, as Solicitors for the Welland Canal, from the 1st day of January, 1877, to the 7th day of April, 1879. (*Not printed.*)

No. 29b... Return to Order; for copies of all tenders for the supply of Timber and Lumber for the Welland Canal, submitted in answer to advertisement of 12th January, 1880, marking the one accepted. (*Not printed.*)

No. 29c... Return to Address; Tenders received for Sections 33 and 34, Welland Canal, showing all extensions of time for depositing security. (*Not printed.*)

No. 30... **WEIGHTS AND MEASURES**:—Return to Order; Return showing receipts and expenditures under the Weights and Measures Act for the last six months of 1879. (*Not printed.*)

No. 30a... Return to Order, showing the names of all Inspectors and Assistant Inspectors of Weights and Measures, appointed under the existing Weights and Measures Act, who have been subjected to examination previous to, or since their appointment. (*Not printed.*)

No. 30b... Return to Order; Statement of the amounts paid into the Superannuation Fund by each of the Inspectors of Weights and Measures, previous to 1st October, 1879. (*Not printed.*)

No. 30c... Return to Order; Return of all Deputy Inspectors of Weights and Measures removed since 1st July, 1879; of all persons appointed as Inspectors and Deputy Inspectors of Weights and Measures, since the same date. (*Not printed.*)

- No. 31... **DOMINION MONEY ON DEPOSIT**:—Return to Order; Return showing a Statement of the several sums of Money on Deposit to the credit of the Dominion of Canada, together with a list of the several Banks in which the same are deposited; also of all sums on deposit with agents of the Dominion or any other parties in England, on the 1st day of December, 1879, and on the 1st day of February, 1880, showing the rate of interest then payable in each case.
- No. 32... **DUTIES, REBATE OF**:—Return to Address; Return of all Orders-in-Council, Departmental Orders or otherwise, for Rebate of Duties on merchandise, contractors' plant, or material for contractors' use, from the first January, 1874, to 1st January, 1879.
- No. 33... **TELEGRAPH LINE, SELKIRK AND BATTLEFORD**:—Return to Order; Contracts for the maintenance of Telegraph Line between Selkirk and Battleford, etc. (*Not printed.*)
- No. 34... **BAPTISMS, MARRIAGES AND BURIALS**:—General Statement of, for certain districts in the Province of Quebec, for the year 1879. (*Not printed.*)
- No. 35... **SHELburne OFFICIAL ASSIGNEE**:—Return to Order; Return of copies of all letters addressed to the Government by the Official Assignee of the District of Shelburne, Nova Scotia, during the years 1877, 1878 and 1879, resigning said office, together with the replies thereto. (*Not printed.*)
- No. 36... **POSTMASTERS, INSTRUCTIONS TO**:—Return to Address; Instructions issued to Postmasters in cities, towns and villages by the Postmaster-General, under authority of Section 39 of the Act 38 Victoria, Chapter 7, with reference to dutiable goods brought into the Dominion through the post office. (*Not printed.*)
- No. 37... **FISHERY AWARD, P.E.I.**—Return to Address; Papers and Correspondence between the Government of Prince Edward Island and the Dominion Government, from the 24th March, 1879, to the present date, relative to the claims of Prince Edward Island to a portion of the Fishery Award. (*Not printed.*)
- No. 37a... Papers laid before the Senate relating to the Correspondence between the Government of the Dominion and the Government and certain Merchants of Prince Edward Island, respecting their claims to a portion of the Fishery Award.
- No. 38... **DRAWBACK ON CANADIAN GOODS**:—Return to Order; Return showing what drawback was allowed on goods manufactured in Canada in 1879, and exported. (*Printed for Distribution only, and not for Sessional Papers.*)
- No. 39... **EXPENDITURES AND APPROPRIATIONS**:—Return to Order; Statement showing:—
1. Abstract of Expenditures compared with Estimates for the year 1878-79;
 2. Unprovided items for the same period;
 3. Balances of Appropriations lapsed for the same period;
 4. Balances carried forward for the same period;
 5. General abstract of Expenditure for the same period.
- No. 40... **ONTARIO, NORTH-WEST BOUNDARY**:—Return to Address; Award respecting the North-West Boundary of Ontario; and all documents and papers relating to such boundary. (*Not printed.*)
- No. 40a... Supplementary Return to Address; Award respecting the North-West Boundary of Ontario; and all documents and papers relating to such boundary. (*Not printed.*)
- No. 41... **BEAUHARNOIS CANAL**:—Return to Order; Documents, Reports of Engineers, etc., connected with the selection of the site and the building of the Beauharnois Canal. (*Not printed.*)
- No. 42... **RAILWAY STATISTICS**:—Reports, Railway Statistics of Canada, and capital, traffic and working expenditure of the Railways of the Dominion, for the year ended 30th June, 1879.
- No. 43... **MACLEAN, ROGER & Co., CLAIMS OF**:—Return to Order; Claims made by Messrs. MacLean, Roger & Co., against the Government for damages, for breach of their contract for the public printing.
- No. 44... **TWO CREEKS HARBOR OF REFUGE**:—Return to Order; Official reports and plans of surveys made under the authority of the Canadian Government, relating to the improvement of the outlet of Two Creeks, in the County of Kent, Ont., and the construction of a Harbor of Refuge for vessels at that point. (*Not printed.*)

- No. 45... **STONY ISLAND BREAKWATER** :—Return to Order; Report of Engineer upon Petition asking for the erection of a Breakwater or the making of a Harbor at Stony Island, Shelburne County, Nova Scotia. (*Not printed.*)
- No. 46... **TROIS PISTOLES, WHARF AT** :—Return to Order; Report of the Engineer who made the survey at Trois Pistoles, in the County of Temiscouata, in view of the proposed construction of a Wharf at that place. (*Not printed.*)
- No. 47... **RONDEAU HARBOR OF REFUGE** :—Return to Order; Official reports since 1st of January, 1879, relating to the repairing of the Harbor of Refuge at Rondeau, and the construction of a telegraph line connecting with that point. (*Not printed.*)
- No. 48... **HEMLOCK BARK EXPORTED** :—Return to Order; Statement showing the number of cords of hemlock bark exported to the United States during the ten years ending the first day of January last. (*Not printed.*)
- No. 49... **EXTRA CLERKS AND MESSENGERS** :—Return to Address (Senate); Names and dates of appointment of all Extra Clerks and Messengers employed in the service of each department of the Public Service on the 10th day of October last, etc.
- No. 50... **BRITISH CANADIAN LOAN Co.** :—Statement of the affairs of the British Canadian Loan and Investment Company; and also, a list of the shareholders of the said company, as on the 31st day of December, 1879. (*Not printed.*)
- No. 51... **ROYAL INSTRUCTIONS** :—Return to Address; Correspondence between the Government of Canada and the Government of the United Kingdom upon the subject of the Royal Instructions, prior to the 5th of October, 1878. (*Not printed.*)
- No. 52... **EXPORTS AND IMPORTS** :—Return to Order; Return of the Exports and Imports (in detail) from and into the Dominion of Canada, during the six months ending the 1st January, 1880; and also for those during the 6 months ending the 1st January, 1879.
- No. 53... **PRINCE ARTHUR'S LANDING** :—Return to Order; Papers, correspondence and documents relative to a proposed railway connection between Prince Arthur's Landing and the line of the Pacific Railway, at or near the town plot of Fort. William, and the proposed crossing of Government lands for that purpose. (*Not printed.*)
- No. 54... **INTERCOLONIAL RAILWAY** :—Return to Order; Return showing the number of men employed on the first day of October, 1878, on the first of December, 1878, and on the first day of February, 1880, in the workshops of the Intercolonial Railroad at Moncton, N.B., at Campbellton, N.B., at Richmond, N.S., and in the workshops in the Province of Quebec. (*Printed for Distribution only, and not for Sessional Papers.*)
- No. 54a. Return to Address; Report of the Survey made in 1879, by order of the Government, preliminary to the construction of a branch of the Intercolonial Railway to connect St. Michel or St. Charles with St. Joseph de Lévis. (*Not printed.*)
- No. 54b. Return to Order; Return of the employees on that portion of the Intercolonial Railway extending from Rivière du Loup to Chaudière; also, the salaries they receive. (*Not printed.*)
- No. 54c. Return to Order; Return showing what Locomotives and other rolling stock were awaiting repairs in the workshops of the Intercolonial Railroad, on the first day of February, 1880. (*Not printed.*)
- No. 54d. Return to Order; Statement showing the names of the workmen employed in the construction of snow sheds, etc., on the section of the Intercolonial Railway extending from Lévis to Rivière du Loup. (*Not printed.*)
- No. 54e. Return to Order; Return of the number of accidents which have occurred on the Intercolonial Railroad since the first day of January last. (*Not printed.*)
- No. 54f. Return to Address; Amount paid for Nut Locks used on the Intercolonial Railroad, and the name of the person to whom such sums were paid, the amounts paid for placing such Nut Locks on the rails, etc. (*Not printed.*)

- No. 54g. INTERCOLONIAL RAILWAY :—Return to Order, showing the number of Free Passes issued on the Intercolonial Railroad and its branches, during the year 1878 and 1879, and the names of the parties to whom such passes have been given. (*Not printed.*)
- No. 55... MURRAY CANAL :—Return to Order; Reports of Engineers of the Department of Railways and Canals, since 1878, upon the Murray Canal; and also, of all other surveys made at any time, not already laid before Parliament. (*Not printed.*)
- No. 56... FISHERY OVERSEERS IN INVERNESS COUNTY :—Return to Order; Number of dismissals and appointments of the Fishery Overseers and Wardens in the County of Inverness, during the year 1879, with the names of the same. (*Not printed*)
- No. 57... GRAIN IN BOND :—Return to Address; Rules affecting the importation of Grain of any kind in bond, together with a Statement of the quantities of the several classes of Grain so imported.
- No. 58... UNDRESSED SKINS :—Return to Order: Statement showing the value of undressed Skins imported into Canada during the ten years ending the first day of January last. (*Not printed.*)
- No. 59... RIVER TRENT NAVIGATION AND CANAL WORKS :—Return to Order; Orders in Council passed since the 1st day of May last, relating to the River Trent Navigation and Canal Works; also, Reports of D. Stark, Esquire, Civil Engineer, upon his recent surveys. (*Printed for Distribution only, and not for Sessional Papers.*)
- No. 60... CARILLON CANAL AND DAM :—Return to Address; Tenders received in 1878, and subsequently, for the works on the Carillon Canal and Dam; also, Orders in Council awarding the contracts for such work, etc.
- No. 61... PORT STANLEY HARBOR :—Return to Order; Statements in reference to the collection and expenditure of the revenues of the Port Stanley Harbor, etc. (*Not printed.*)
- No. 62... SUGAR :—Return to Order; Statement showing the quantities of Sugar entered at the principal ports of entry of Canada for the six months ending on 1st January, 1880, and for the same period of 1879.
- No. 63... TEAS IMPORTED FROM U.S. :—Return to Order; Return of all Teas imported from the United States in each of the Provinces of the Dominion, since 14th March, 1879, up to 1st February, 1880, on which an additional duty of 10 per cent. has been collected.
- No. 64... HOUSE OF COMMONS :—Return to Order; Detailed Statement of expenditures under the head of "Unforeseen Expenses," amounting to \$2,282 as given in the Statement of the Accountant of the House of Commons, for year ending 30th June, 1879. (*Not printed.*)
- No. 64a... Return to Order; Detailed Statement of expenditures amounting to \$5,527.33 given under the head of "Miscellaneous" in the Statement of Receipts and Disbursements by the Accountant of the House of Commons, for the year ending 30th June, 1879. (*Not printed.*)
- No. 65... INDIAN INSTRUCTORS :—Return to Address; Orders in Council appointing Instructors to the Indians in the Territories of Canada.
- No. 66... ST. JOSEPH ISLAND :—Return to Order; Statement showing the amount derived from sales of land on the Island of St. Joseph, up to the 1st July, 1867. (*Not printed.*)
- No. 67... MOUNTED POLICE SUPPLIES :—Return to Order; Return showing the names of all contractors who have, during the past four years, supplied cattle and beef to the Mounted Police and Indian Department in Manitoba and the North-West Territories, etc.
- No. 68... PRIVY COUNCILLOR :—Return to Order; Statement showing the salary attached to the office of an Executive or Privy Councillor in the year 1841, etc. (*Not printed.*)
- No. 69... FARM INSTRUCTORS TO INDIANS :—Return to Order; Statement showing the number of Farm Instructors and Assistants appointed to teach the Indians agriculture; the amount expended for outfit, etc.

- No. 70... **INDIANS, PAYMENT OF** :—Return to Order ; Statement showing the time appointed for the payment of Indians last year, under Treaty No. 7 ; the time when payment was made.
- No. 71... **ANNUITIES, INDIANS** :—Return to Order ; Statement of the times fixed for payments of Annuities under Treaties Nos 4 and 6, during the current year, when payment was actually made, amount paid for freighting, etc.
- No. 71a... Return to Order ; Instructions given the Indian Superintendent, the Inspector of Indian Farm Instructors and all Indian Agents in the North-West Territories, with reference to the purchase of supplies. (*Not printed.*)
- No. 71b... Return to Address ; Correspondence respecting the reconstruction of the the Indian Department in British Columbia, connected with the office of Indian Reserve Commissioner in that Province. (*Not printed.*)
- No. 72... **CONFIDENTIAL PRINTING** :—Return to Order ; Return showing the sums of money expended for Confidential Printing during the years 1877-8 and 1878-9, and the last six months of 1879. (*Not printed.*)
- No. 72a... Supplementary Return to Order ; Return showing the sums of money expended for Confidential Printing during the years 1877-8 and 1878-9, and the last six months of 1879. (*Not printed.*)
- No. 73... **VETERANS OF 1812** :—Return to Order ; Statement showing the number of Veterans who have participated in the sum voted by the Legislature in behalf of the Veterans of 1812-15, for the current year ; also, the number of deaths known to have occurred. (*Not printed.*)
- No. 74... **CUSTOM HOUSE, TORONTO** :—Return to Address ; Statement showing the amount of the defalcations in the Customs House at Toronto, together with all Reports and other papers respecting the same. (*Not printed.*)
- No. 75... **DOMINION LOANS** :—Return to Order ; Return showing the terms on which the Dominion Loans, including the last loan of £3,000 000 stg., were negotiated in London, together with the prospectus and form of tenders.
- No. 76... **PENITENTIARY, ST. VINCENT DE PAUL** :—Return to Address (Senate) ; Report by J. G. Moylan, Esq., Inspector of Penitentiaries, on the complaints made by certain officers of the Penitentiary of St. Vincent de Paul, against one of the physicians of that Penitentiary.
- No. 76a... Return to Address (Senate) ; Report of the Commissioners appointed on the 19th of July last, with instructions to report on the state and management of the St. Vincent de Paul Penitentiary.
- No. 77... **SHIPS' MATERIALS, DRAWBACK ON** :—Return to Address ; Orders in Council, regulations, correspondence, etc., between any person and the Government, since the last Session of Parliament, respecting the drawback promised on ships' materials ; also, a Statement showing the names of all applicants. (*Not printed.*)
- No. 78... **BREWERY AT BATTLEFORD** :—Return to Address ; Correspondence between the Government and the Lieutenant-Governor of the North-West Territory, or any other person, in relation to the establishment of a Brewery at Battleford, in the said Territory. (*Not printed.*)
- No. 79... **TOBACCO, CHARLEVOIX COUNTY** :—Return to Order ; Detailed Statement showing the quantity of Tobacco seized in the County of Charlevoix between the 1st January, 1877, and the 1st January, 1880. (*Not printed.*)
- No. 80... **NEW BRUNSWICK CLAIMS** :—Return to Address ; Correspondence between the Government of New Brunswick and the Government of this Dominion, concerning certain claims made by the former Government against the latter, since the first day of March, 1879.
- No. 81... **LOBSTER FISHERY** :—Return to Order ; Petitions and correspondence with the Department of Marine and Fisheries, regarding the Order in Council regulating the prosecution of the Lobster Fishery in the Maritime Provinces.
- No. 82... **McNUTT'S ISLAND LIGHTHOUSE** :—Return to Order ; Detailed Statement of expenditure incurred during the years 1878 and 1879, in repairing Lighthouse, and erection of new buildings at Light Station, McNutt's Island, Shelburne Harbor, Nova Scotia, and a similar statement of expenses incurred during the same years at Cape Sable Light Station, in the same County. (*Not printed.*)

- No. 83... WHEAT, ETC., IMPORTED FROM UNITED STATES:—Return to Order; Return showing the quantity of Wheat, Oats, Peas, Barley and Corn imported from the United States from the 15th March, 1879, to the 1st day of February, 1880, together with the duty actually collected on each kind of grain, and the quantity of Wheat and Oats in Bond on the 1st day of January, 1880.
- No. 84... WHEAT FLOUR IMPORTED:—Return to Order; Return of all Wheat-flour, Rye-flour, Oatmeal, Corn-meal, Wheat, Barley, Indian Corn and Oats, imported into each of the Provinces (exclusive of British Columbia), since 14th March, 1879, up to 1st day of February, 1880, and the duty collected thereon.
- No. 85... COAL AND COKE IMPORTED:—Return to Order; Return of all Coal and Coke (distinguishing kinds) imported into each Province of the Dominion (exclusive of British Columbia), since 14th March, 1879, up to 1st February, 1880, and the duty collected thereon.
- No. 86... SALT IMPORTED:—Return to Order; Return showing the quantity of foreign Salt imported into Canada since the first day of July, 1879, to the first day of February, 1880.
- No. 87... PORT STANLEY HARBOR TOLLS:—Return to Order; Returns made by the Great Western Railway Company, of Tolls and other receipts from Port Stanley Harbor. (*Not printed.*)
- No. 88... MONTREAL EXAMINING WAREHOUSE:—Return to Order; Statement, in detail, of all sums paid out, over and above the contract price, for the building of the Examining Warehouse at Montreal. (*Not printed.*)
- No. 89... NEGRO POINT BREAKWATER:—Return to Order; Return of the amounts expended on the repairs done to the Negro Point Breakwater, in St. John, since the damage, Fall of 1878. (*Not printed.*)
- No. 90... CARLETON AND NEW RICHMOND SURVEYS:—Return to Address; Report of the Engineer who performed the Surveys at Carleton and at New Richmond, in the County of Bonaventure, with a view to the erection of Piers. (*Not printed.*)
- No. 91... CAPE NEGRO ISLAND:—Return to Address; Correspondence asking the Government to make an appropriation for the improvement of Beach and protection of Harbor, Cape Negro Island, Shelburne County, and the Report of the Engineer sent to that locality by the Department of Public Works in the year 1879. (*Not printed.*)
- No. 92... QUEBEC, MONTREAL, OTTAWA AND OCCIDENTAL RAILWAY:—Return to Address; Correspondence between the Government and the Quebec Government concerning the purchase by the Dominion Government of the Quebec Provincial Railway, known as the Quebec, Montreal, Ottawa and Occidental Railway. (*Not printed.*)
- No. 93... WILLIAMSBURGH CANALS:—Return to Order; Return showing the depth of water on mitre-sills in each lock on the Williamsburgh Canals during the season of navigation for the past six years; also, showing the number of Vessels or Steamers detained in said Canals each year, for same period, in consequence of insufficiency of water in said Canals, and the length of time so delayed, and all correspondence in relation thereto. (*Not printed.*)
- No. 94... BELLE CREEK, P.E.I.:—Return to Address; Surveys, etc., having reference to contemplated improvements at the mouth of Belle Creek, Queen's County, P.E.I. (*Not printed.*)
- No. 95... VAUX, CALVERT:—Return to Order; Correspondence, etc., in connection with the unpaid claim of Calvert Vaux for services rendered in respect to the grounds in front of the Parliament Buildings. (*Not printed.*)
- No. 96... PORTER'S LAKE:—Return to Order; Report of the Engineer employed by the Government to report upon a Petition for the opening of a Channel from Porter's Lake to the sea. (*Not printed.*)
- No. 97... FIFTEEN POINT, ETC., P.E.I., SURVEYS:—Return to Order; Engineers' Reports of Surveys made at Fifteen Point, Egmont Bay, Skinner's Point and Kildare, Prince County, Prince Edward Island, during the summer of 1879. (*Not printed.*)
- No. 98... THREE-FATHOM HARBOR:—Return to Order; Report of the Engineer employed by the Government to examine into and report upon a Petition for the extension of a Breakwater commenced in the year 1878 at Three-Fathom Harbor. (*Not printed.*)

- No. 99... "SULTAN," TUG BOAT :—Return to Order; Correspondence in reference to contract given owners of tug boat "Sultan," of Miramichi, last season, to do certain Government work. (*Not printed.*)
- No. 100.. JEDDORE HARBOR :—Return to Order; Report of the Engineer employed by the Government to examine into and report upon a Petition for the Dredging of a Channel in the Harbor of Jeddore, in the County of Halifax. (*Not printed.*)
- No. 101.. PETIT RIVIÈRE SURVEY :—Return to Order; Reports of the Surveys made at Petit Rivière, County Lunenburg, N.S., in view of the proposed construction of the Breakwater there. (*Not printed.*)
- No. 102.. TEA, CHINA AND JAPAN :—Return to Order; Return of all vessels carrying cargoes of Tea direct from China and Japan, entered at any port of the Dominion of Canada, and at any port in the United States *in transitu* to Canada; also, a Statement of the total quantity of Tea so imported.
- No. 103.. CITADEL, QUEBEC :—Return to Address; Correspondence with the Government concerning the dangerous cliff in Champlain Street, on the Citadel property, in the City of Quebec. (*Not printed.*)
- No. 104.. CANADIAN COMMISSIONERS, FRANCE AND SPAIN :—Return to Address; Instructions given to Canadian Commissioners respecting negotiations with France and Spain, and all correspondence with the Imperial Government on the subject. Also, Statement showing, in detail, the several amounts paid to Canadian Commissioners or others in connection with such negotiations. Also, all Reports made by such Commissioners.
- No. 105.. GALT, SIR A. T., HIGH COMMISSIONER :—Correspondence between the Imperial and Canadian Governments, relative to the appointment of Sir A. T. Galt as High Commissioner, to represent Canada in England, and to reside in London.
- No. 106.. SALMON HATCHERY, RAPID DE FEMME :—Return to Order; Statement of the cost of the Salmon Hatchery at Rapid de Femme, N.B. (*Not printed.*)
- No. 106a.. Return to Order; Tenders received by S. Wilmot, Esquire, for the construction of the Rapid de Femme Salmon Hatchery. (*Not printed.*)
- No. 107.. SHELBURNE FOG-WHISTLE :—Return to Order; Petitions asking for the erection of a Fog-Whistle at the entrance to Shelburne Harbor, Nova Scotia. (*Not printed.*)
- No. 108.. TIN PLATE, DRA BACK ON :—Return to Order; Correspondence between Isaac H. Mathers, of Halifax, N.S., and the Government, upon the subject of Drawbacks on Tin Plate used in the canning of lobsters.
- No. 109.. DORCHESTER PENITENTIARY, N.B. :—Return to Address (Senate); Detailed Statement of the expenditure to 31st December, 1879, on the new Penitentiary at Dorchester, New Brunswick.
- No. 110.. CANALS :—Report of the Chief Engineer of Canals, on the 16th February, 1880. (*Not reprinted in Sessional Papers.*)
- No. 111.. WASHINGTON TREATY, B.C. :—Return to Address (Senate); Correspondence between the Government of the Dominion of Canada and the Government of the United States, or with Her Majesty's Imperial Government, connected with the extending to the Province of British Columbia that portion of the Washington Treaty contained in Clause 21 of said Treaty.
- No. 112.. IMMIGRATION PAPERS :—Return to Order; Statement of all books, pamphlets or papers already issued, or contracted for, as Immigration Papers by the Department of Agriculture and of the Interior, or any other Department, on Immigration and Colonization, since the first day of January, 1875.
- No. 113.. INSOLVENCIES, NUMBER OF :—Return to Order; Statement showing the number of Insolvencies in the several Provinces, and the whole number in the Dominion, in the years 1878 and 1879, separately, etc.
- No. 114.. RIVER POLICE, MONTREAL :—Return to Address; Commission appointing the present Chief of the River Police at Montreal; also, a Return showing the number of officers acting under the said Chief of Police, the number of men composing the whole Force; also, a detailed statement of the expenses of the said Police Force. (*Not printed.*)

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- No. 115. KINGSTON DRY DOCK:—Return to Order; Return of all Reports made by Government Engineers and all letters and correspondence relating to the construction of a Dry Dock at Kingston. (*Not printed.*)
- No. 116. RIVER YAMASKA SURVEY:—Return to Order; Report of the Engineer who surveyed the River Yamaska, in the year 1878, with a view to render it navigable. (*Not printed.*)
- No. 117. CAPLAN AND NEW CARLISLE SURVEYS:—Return to Order; Report of the Engineer who performed surveys at Caplan and at New Carlisle, in the Bay of Chaleurs, with a view to the erection of piers or breakwaters there. (*Not printed.*)
- No. 118. BAY ST. PAUL SURVEYS:—Return to Order; Report of the Engineer who made surveys at Bay St. Paul County of Charlevoix, with a view to the erection of a pier. (*Not printed.*)
- No. 119. STEAM DREDGE "ST. LAWRENCE":—Return to Order; Detailed Statement of Accounts of Steam Dredge "St. Lawrence," while at work at Miramichi, for the years 1878 and 1879. (*Not printed.*)
- No. 120. PUBLIC LANDS, MANITOBA:—Return to Order; Return showing the total number of acres of Public Lands sold in Manitoba and the North-West Territory, during the year A. D. 1879, etc. (*Not printed.*)
- No. 121. OFFICIAL ASSIGNEES:—Return to Order; Return showing the names, residence, occupation, and date of appointment of all Official Assignees appointed between the 8th day of April, 1875, and the 18th October, 1878, and between the 18th October, 1878, and the 16th day of February, 1880. (*Not printed.*)
- No. 122. RECEIPTS AND EXPENDITURE, CONSOLIDATED FUND:—Return to Order; Return showing the receipts and expenditures charged to Consolidated Fund during the seven months ending 1st February, 1879; and also, for the eight months ending 1st March, 1880. (*Not printed.*)
- No. 123. ENGINEER-IN-CHIEF, C.P.R.:—Report of the Engineer-in-Chief of the Canadian Pacific Railway, 8th April, 1880.
- No. 124. POST OFFICE AT STRATFORD:—Return to Address; Correspondence and papers between the Government and the Corporation of the Town of Stratford, respecting the proposal of the said Corporation, to donate a site for the purpose of erecting a Post Office thereon. (*Not printed.*)
- No. 125. NETS ON MIRAMICHI RIVER:—Return to Order; Return showing number of Nets seized on the Miramichi River and its tributaries during the year 1879. (*Not printed.*)
- No. 126. GEOLOGICAL SURVEY IN NOVA SCOTIA:—Return to Order; Correspondence with the Department of the Interior, asking for a Geological Survey of the Counties of Shelburne, Queen's and Lunenburg, in Nova Scotia. (*Not printed.*)
- No. 127. TREATIES WITH INDIANS AT FORTS CARLETON AND PITT:—Return to Address; Order or Orders in Council of the Privy Council, approving of the Treaties made with the Indian Tribes at Forts Carlton and Pitt, in the year 1876, etc. (*Not printed.*)
- No. 128. TREATY NO. 1, RESERVE IN MANITOBA:—Return to Address; Despatches from the Lieutenant-Governors of Manitoba relating to the Reserve promised under the provisions of Treaty Number one, relating to the Reserve stipulated thereby to be assigned to the Band of Indians in Manitoba, of whom Yellow Quill was Chief. (*Not printed.*)
- No. 129. QUEBEC AND LAKE ST. JOHN RAILWAY:—Return to Address; Documents and correspondence which have passed between the Government of Canada and the Directors of the Quebec and Lake St. John Railway Company.
- No. 130. BRIDGE NEAR CÔTEAU DU LAC:—Return to Address; Reports of C. S. Gzowski, Esquire, or other engineers, on the subject of bridging the River St. Lawrence, near Côtéau du Lac. (*Not printed.*)
- No. 131. ONTARIO BOUNDARY COMMISSION:—Return to Order; Of all expenses paid to Law Agents and Counsel for professional services in reference to the Ontario Boundary Commission. (*Not printed.*)
- No. 132. STARCH:—Return to Address; Order in Council authorizing a drawback of five cents per bushel on Indian Corn imported for the manufacture of Starch.

- No. 133.. TRUTCH, J. W. :—Return to Address ; Correspondence, papers and Orders in Council, respecting the appointment of the Hon. J. W. Trutch to office in British Columbia.
- No. 134.. CANADA GUARANTEE COMPANY :—Return to Order ; Copies of all Statements transmitted since the 1st day of January, A.D. 1875, to the Minister of Finance, by the Canada Guarantee Company. (*Not printed.*)
- No. 134a.. Return to Address (Senate) ; List of Shareholders and the last Annual Balance Sheet, &c. (*Not printed.*)
- No. 135.. DOMINION SAVINGS BANK, B.C. :—Return to Order showing the names of Depositors in the Dominion Savings' Banks, Victoria, Nanaimo and New Westminster, in British Columbia. (*Not printed.*)
- No. 136.. SUPREME AND EXCHEQUER COURTS :—Return to Address showing all judgments rendered by the Supreme and Exchequer Courts in suits, from 8th October, 1875, to 1st January, 1880.
- No. 136a.. Return to Address ; For a Statement showing date and duration of each sitting, respectively, of the Supreme and Exchequer Courts, since the establishment of said courts in 1875.
- No. 137.. CREDIT VALLEY RAILWAY :—Return to Address ; Correspondence between the Government and the promoters of the "Credit Valley Railway," relative to the right of way from the western limits of the City of Toronto to the terminus in said city. (*Not printed.*)
- No. 138.. HUDSON BAY LANDS :—Return to Address ; Correspondence between the Government and the Hudson Bay Company respecting lands on Hudson Bay, and with respect to their acquisition by any Railway or Steamship Company. (*Not printed.*)
- No. 139.. STE. ANNE'S, OTTAWA RIVER :—Return to Address ; Tenders received for the construction of works recently let at Ste. Anne's, on the Ottawa River, showing all extensions of time for receiving deposits of security, copies of contract and all correspondence and Orders in Council relating thereto. (*Not printed.*)
- No. 140.. STARK, D., (TRENT WATERS) :—Return to Order ; Reports of recent surveys made by D. Stark, Esq., Civil Engineer, of the proposed canal route from Port Hope to Rice Lake (Trent Waters). (*Not printed.*)
- No. 141.. GRAND RIVER FALLS, FISH-LADDER :—Return to Order ; Correspondence relative to the construction of a fish-ladder at Grand River Falls, in the County of Richmond. (*Not printed.*)
- No. 142.. GRANDE ANSE BREAKWATER :—Return to Order ; Reports respecting the necessity for immediate repair of the Breakwater at Grande Anse, County Gloucester, New Brunswick, damaged by the great storm of last Fall. (*Not printed.*)
- No. 143.. SHIPPEGAN GULLY CHANNEL :—Return to Order ; Correspondence and papers respecting the completion of the breakwater and the other works for the improvement of the Channel at Shippegan Gully, in the County of Gloucester, N.B. (*Not printed.*)
- No. 144.. POST OFFICE SAVINGS BANK, SYDNEY, C.B. :—Return to Address (Senate) ; Reports, correspondence, telegrams, etc., etc., respecting the Post Office Savings Bank at Sydney, C.B., during the past six years, and more especially the report of the investigation held by Mr. Anderson, the Inspector, relative to the defalcation in that office, the amount so deficient, and when such deficiency was first discovered. (*Not printed.*)
- No. 145.. WINTER COMMUNICATION WITH PRINCE EDWARD ISLAND :—Return to Address (Senate) ; Correspondence received by the Government during twelve months preceding 17th April, 1879, having reference to steam communication in winter between the Province of Prince Edward Island and the mainland. (*Not printed.*)
- No. 146.. WASSALL, MR. :—Return to Order ; Correspondence relating to claim of Mr. Wassall, for use by the Government of his bridge patent. (*Not printed.*)
- No. 147.. TIMBER LIMITS, NORTH-WEST TERRITORIES :—Return to Order ; Return giving a complete list of all the applications yet made for Timber Limits in Manitoba, Keewatin and the North-West Territories.

- No. 148. **BONDS AND SECURITIES**:—Detailed Statement (Senate) of all bonds or securities registered in the Department of the Secretary of State of Canada. (*Not printed.*)
- No. 149. **SAINT FRANCIS HARBOR, GUYSBOROUGH**:—Return to Order; Reports of surveys made at Saint Francis Harbor, Guysborough, N.S., previous to 1879. (*Not printed.*)
- No. 150. **MCGINN, CONDUCTOR, INTERCOLONIAL RAILWAY**:—Return to Address (Senate); Correspondence relating to the late summary dismissal of Conductor McGinn from the northern division of the Intercolonial Railway. (*Not printed.*)
- No. 151. **KAMINISTIGUIA RIVER**:—Return to Order; Report of the depth of water on the bar at the mouth of the Kaministiquia River, and Return of soundings from thence to the Neebing Hotel. (*Not printed.*)
- No. 152. **PENITENTIARY, BRITISH COLUMBIA**:—Return to Order; Specifications and papers relating to the construction of the British Columbia Penitentiary, from November, 1874, to September, 1878. (*Not printed.*)
- No. 153. **INSURANCE COMPANIES LICENSED**:—Return to Order; Return showing the names of all Insurance Companies licensed on and since the first day of April, 1879.
- No. 154. **SURF POINT HARBOR LIGHT**:—Return to Order; Petitions asking for the erection of the Harbor Light at Surf Point, and also at Sand Point, Shelburne Harbor. (*Not printed.*)
- No. 155. **SURF POINT LIGHTHOUSE**:—Return to Order; Tenders forwarded to the Department of Marine and Fisheries for the erection of a Lighthouse at Surf Point, Shelburne Harbor. (*Not printed.*)
- No. 156. **SUGAR IMPORTED**:—Return to Order; Statement showing the quantity of Sugar imported into the Dominion for each six months, namely: from 1st January to 30th June, and from 1st July to 30th December, respectively, between 1st January, 1872, and 31st December, 1879, specifying the country from which it was imported.
- No. 157. **ALLARD, OMER**:—Return to Address; Papers and documents in relation to the dismissal of Omer Allard, formerly employed in Her Majesty's Customs at the City of Montreal, Superintendent of Tide-Waiters and Lockers. (*Not printed.*)
- No. 158. **INTERCOLONIAL AND PRINCE EDWARD ISLAND RAILWAYS**:—Return to Order; Comparative Statement of the rates charged on the Intercolonial and Prince Edward Island Railways, for carriage of twenty thousand pounds of oats, etc. (*Not printed.*)
- No. 159. **PRINCE EDWARD ISLAND RAILWAY**:—Return to Order; Correspondence relating to the lowering of rates charged on the Prince Edward Island Railway for carrying farm produce, firewood, lumber, coal and salt. (*Not printed.*)
- No. 160. **CAPE TORMENTINE, N.B., CAPE TRAVERSE, P.E.I.**:—Return to Address; Surveys having reference to a proposed railway connecting Cape Tormentine, in the Province of New Brunswick, with the Intercolonial Railway, and also connecting Cape Traverse, in Prince Edward Island, with the Prince Edward Island Railway. (*Not printed.*)
- No. 161. **RED RIVER, BRIDGE OVER**:—Return to Order; Correspondence between the City Council of Winnipeg and the Department of Railways, and between the Manitoba South-Western Colonization Railway and the said Department, on the subject of a bridge over the Red River, within the limits of the City of Winnipeg. (*Not printed.*)
- No. 162. **COAL OIL**:—Return to Order; Reports made by Revenue Officers as to the samples of Canadian Coal Oil submitted to them; also, as to the fire-test to which American Coal Oils have been subjected when entered at the Canadian Customs.
- No. 163. **RIVER ST. FRANCIS**:—Return to Order; Report of E. Bender, Civil Engineer, on the survey of the River St. Francis, made during last summer. (*Not printed.*)
- No. 164. **GROSSE ISLE**:—Return to Order; Correspondence in relation to the leasing of the arable land belonging to the Government, at Grosse Isle, in the County of Montmagny. (*Not printed.*)
- No. 165. **NOVA SCOTIA INDIAN COMMISSIONERS**:—Return to Order; Statement of Receipts and Expenditures of the several Indian Commissioners for the Province of Nova Scotia, for the years ending 31st December, 1877-8-9. (*Not printed.*)

- No. 166.. NEW BRUNSWICK INDIAN COMMISSIONERS:—Return to Order; Statement of account of Indian Commissioners for the Province of New Brunswick, for the years 1877-8-9. (*Not printed.*)
- No. 167.. BEAUHARNOIS CANAL:—Return to an Address (Senate); Statement showing the number of leases and sales of water power and their dependencies along the beauharnois Canal. (*Not printed.*)
- No. 168.. RAILS AND SCRAP IRON SOLD:—Return to Order; Return of all Old Rails sold by the Government since first of January, 1874, up to present time; also, a similar Return of all Scrap Iron sold during said period. (*Not printed.*)
- No. 169.. HYDRAULIC LIFT LOCK:—Return to Address; Report of a Select Committee of the Legislature of Ontario, on the subject of the Hydraulic Lift Lock that is proposed to be used on the projected Canal, to connect the waters of Lakes Huron and Ontario. (*Not printed.*)
- No. 170.. "NORTHERN LIGHT," STEAMER:—Return to Order; Statement showing the number of Bags of Mails, Passengers and tons Freight, carried by the Steamer "Northern Light," on the route between Georgetown and Pictou, from the 19th December, 1879, to the present date. (*Not printed.*)
- No. 171.. "GLENDON," STEAMER:—Return to Order; showing the services performed by the Steamer "Glendon," since the 1st January, 1879, including the number of Light-houses and Fog-Whistles supplied; with a Statement of the time occupied in going to Sable Island and returning, in connection with the wreck of the Steamship "State of Virginia;" also, a Return showing the services performed by the Steamer "Northern Light," since the 1st January, 1879, up to the present time. (*Not printed.*)
- No. 172.. COAL, GOVERNMENT RAILWAYS:—Return to Order; Correspondence with the Department of Railways and Canals, in reference to the extension of contracts for supplying the Government Railways with Coal. (*Not printed.*)
- No. 173.. CANADA CENTRAL RAILWAY:—Report submitted by Messrs. McIntyre & Worthington for approval, with form of bond with coupons attached, proposed to be issued by the Canada Central Railway Company, payment of the interest on which (until the maturity of the bond) the Dominion Government is asked to assume, under the authority of the Order in Council, passed on the 28th May, last. (*Not printed.*)
- No. 174.. IRON ORE EXPORTED:—Return to Order; Statement showing the quantity of iron ore exported from Ontario, from the 1st January, 1880, to the 1st April, 1880. (*Not printed.*)
- No. 175.. SUGAR IMPORTED:—Return to Order; Comparative Statement of Sugar imported into Canada from the West Indies, United States and Great Britain, showing quantities and value for the years 1877, 1878 and 1879. (*Not printed.*)
- No. 176.. BLAIS, L. S.:—Return to Order; Correspondence in relation to the dismissal or discharge from office of the ex-Postmaster of Matane, L. S. Blais, Esq., Trader. (*Not printed.*)
- No. 177.. HARBOUR COMMISSIONERS, MONTREAL, SOREL PETITION:—Return to Address (Senate); Return for copy of the Petition of certain inhabitants of the Town of Sorel, recently presented to His Excellency, complaining of the arbitrary and unjust conduct of certain persons employed by and under the control of the Harbour Commissioners of Montreal, and praying that an enquiry into the subject of the said complaint be held in Sorel. (*Not printed.*)
- No. 178.. BONAVENTURE BREAKWATER:—Return to Order; Report of the Engineer who made surveys at Bonaventure, in the Baie des Chaleurs, with the object of building a Breakwater there. (*Not printed.*)
- No. 179.. NEW HARBOR, GUYSBOROUGH:—Return to Order; Reports of surveys made at New Harbor, Guysborough County, N.S., previous to 1879. (*Not printed.*)
- No. 180.. BRENNAN'S COVE, GUYSBOROUGH:—Return to Order; Reports of surveys made at Brennan's Cove, Guysborough County, N.S., in 1879. (*Not printed.*)
- No. 181.. RIVER ST. MARY'S, GUYSBOROUGH:—Return to Order; Reports of surveys made at River St. Mary's, in Guysborough County, N.S., in 1879. (*Not printed.*)
- No. 182.. INDIAN HARBOR, GUYSBOROUGH:—Return to Order; Reports of surveys made at Indian Harbor, Guysborough Co., N.S., in 1879. (*Not printed.*)

- No. 183.. GRAVING DOCK, ESQUIMALT :—Copy of a Minute of Council on a Report dated 11th February, 1880, from the Hon. the Minister of Finance, on the subject of the advances proposed to be made by the Dominion Government for the construction of the Graving Dock at Esquimalt, B.C.
- No. 184.. DISPUTED LAND CLAIMS, MANITOBA :—Return to Order; Reports made by the Commissioner for the trial of disputed land claims in Manitoba, upon claims Number 223 to 252, which were referred to said Commissioner by the Department of the Interior. (*Not printed.*)
- No. 185.. FORT GARRY :—Return to Address; Orders in Council, etc., respecting the change from ten to five hundred acres of land around Upper Fort Garry, in the original grant of land to the Hudson's Bay Company. (*Not printed.*)
- No. 186.. RED RIVER EXPEDITION :—Return to Address; Correspondence between the Government and the Hudson's Bay Company, in reference to the Company's claims for losses alleged to have been sustained by them during the Red River expedition. (*Not printed.*)
- No. 187.. DEVIL'S LAKE, DOMINION DAM :—Return to Order; Correspondence during 1879 with the Department of Public Works of this Dominion, relating to the re-building of the Dominion Dam, Devil's Lake, in Bedford, Ontario. (*Not printed.*)
- No. 188.. BRITISH COLUMBIA : CASES TRIED BEFORE JUDGES :—Return to Order; Statements furnished from British Columbia of the cases and matters tried before the several Judges of that Province. (*Not printed.*)
- No. 189.. PRINCE EDWARD ISLAND BRANCH RAILWAY :—Return to Address; Memorials, etc., having reference to a proposed Branch Railway connecting Rustico, in Queen's County, P.E.I., with the P.E.I. Railway, at or near Hunter River Station. (*Not printed.*)
- No. 190.. YORK FACTORY, IMPORT DUTY :—Return to Order; Entries made and sums paid for Import Duty at York Factory, on Hudson Bay, and at points where entries are made in the North West Territory, during the summer of 1879. (*Not printed.*)
- No. 191.. SULLIVAN, TIMOTHY OR JAMES :—Return to Order; For all papers in reference to amount forwarded by the Board of Trade, London, through the Marine Department here for Timothy Sullivan or James Sullivan, of Chatham, N.B. (*Not printed.*)
- No. 192.. ST. THOMAS, GREAT SHOAL :—Return to Order, Correspondence since 1874 in relation to the necessity of providing for the requirements of navigation, by placing a Floating Light on the Great Shoal of St. Thomas, in the County of Montmagny. (*Not printed.*)
- No. 193.. CIVIL SERVICE, INSIDE DIVISION :—Return to Address; Return of the Inside Division of the Civil Service by Departments, showing :—
1st. A list of employes appointed from the several Provinces composing the Dominion, from July 1st, 1873, to the present date.
2nd. A list of employes appointed from countries other than Canada, since Confederation, showing the nationality of each. (*Not printed.*)
- No. 194.. ARMSTRONG, MR., CHARGES AGAINST :—Return to Order; Evidence and Reports in reference to the charges made to the Department of Inland Revenue against Mr. Armstrong, Inspector of Leather and Raw Hides for Toronto. (*Not printed.*)
- No. 195.. NORTH-WEST MOUNTED POLICE :—Return to Order; Expenditure by the Dominion Government during the year 1879, on account of the North-West Mounted Police, as well as the number of officers and men and horses composing that Force. (*Not printed.*)
- No. 195a Return to Order; Return of all Complaints, Reports, etc., relating to the condition of the Mounted Police Force in the North-West Territories, etc. (*Not printed.*)
- No. 195b Return to Order; Statement showing the names, age and origin of all the officers, non-commissioned officers and privates of the North-West Mounted Police. (*Not printed.*)
- No. 196.. CUSTOMS, TORONTO :—Return to Order; Statement from the Customs Department, showing the class and salary of all parties engaged in the Customs, Toronto. (*Not printed.*)

- No. 197.. INDIANS, N.B. :—Return to Order; Statement of the expenditure of the sum of \$4,500, granted for the relief of the Indians of New Brunswick. (*Not printed.*)
- No. 198. INDIANS, PRINCE ALBERT, N.W.T. :—Return to Order; Correspondence respecting the shooting of cattle at Prince Albert, North-West Territories, by Indians acting under the direction of a Sergeant of the Mounted Police. (*Not printed.*)
- No. 199.. ST. JOHN RIVER :—Return to Order; Papers and correspondence in regard to the bridging of the St. John River, at St. John, for railway purposes. (*Not printed.*)
- No. 200.. TAYLOR, JAMES, MANITOBA :—Return to Order; Notice of expropriation, by the Government, of the property of James Taylor, on the west side of the Red River, in the Parish of St. Clements, Manitoba, for the purposes of the Canadian Pacific Railway. (*Not printed.*)
- No. 201.. EXPROPRIATION LANDS, C.P.R. :—Return to Order; List of persons in the Province of Manitoba who have been paid for lands expropriated for the Canadian Pacific Railroad and its Pembina Branch, with the sums paid. (*Not printed.*)
- No. 202.. GROSSE ISLE, APPOINTMENTS :—Return to Order; Statement showing the names of persons employed at the Quarantine Station at Grosse Isle, in the County of Montmagny, on the 17th September, 1878, and the names of those who have been appointed since the 17th September, 1878, together with all papers relating to appointments made by the Government at Grosse Isle, since 1878. (*Not printed.*)
- No. 203.. TELEGRAPH LINES, BATTLEFORD :—Return to Order; Return of all sums paid during the year 1879, for the maintenance of telegraph lines between the Red River and Battleford. (*Not printed.*)
- No. 204.. BROSSOIT, THOMAS :—Return to Order; Papers respecting the appointment of Mr. Thomas Brossoit as late Collector of Tolls and Paymaster of the Beauharnois Canal, etc. (*Not printed.*)
- No. 205.. RONDEAU HARBOR LIGHTHOUSE :—Return to Order; Correspondence in possession of the Government, relating to the appointment of the Lighthouse-keeper at Rondeau Harbor also, all correspondence received from the Collector of Customs and Lighthouse-keeper, relating to the trade of that port. (*Not printed.*)
- No. 206.. COAL ADMITTED FREE :—Return to Order; Statement of Coal admitted free into the Dominion, during the past year for the use of steamers, steam-tugs, etc., on the lakes and rivers of Ontario and Quebec. (*Not printed.*)
- No. 207.. IRISH RELIEF :—Message; Despatch from the Right Honorable, the Secretary of State for the Colonies, conveying the thanks of Her Majesty's Government to the Parliament of Canada for the grant of One Hundred Thousand Dollars in aid of the great distress in Ireland.
- No. 208.. CANADA CENTRAL RAILWAY :—Return to Address (Senate); Surveys, Reports, etc., in the hands of the Government bearing on the question of the construction of a Railway from Lake Nipissing, the present provisional terminus of "The Canada Central Railroad Company," to the Sault Ste. Marie, and to Goulais Bay, on Lake Superior. (*Not printed.*)

TWELFTH
ANNUAL REPORT

OF THE

DEPARTMENT

OF

MARINE AND FISHERIES

BEING FOR THE

FISCAL YEAR ENDED 30TH JUNE,

1879.

Printed by Order of Parliament.



OTTAWA :
PRINTED BY MACLEAN, ROGER & Co., WELLINGTON STREET,
1880.

To *His Excellency the Right Honourable Sir John Douglas Sutherland Campbell (commonly called the Marquis of Lorne), one of Her Majesty's Most Honourable Privy Council, Knight of the Most Ancient and Most Noble Order of the Thistle, Knight Grand Cross of the Most Distinguished Order of St. Michael and St. George, etc., etc., etc., Governor General of Canada, and Vice Admiral of the same.*

MAY IT PLEASE YOUR EXCELLENCY, —

I have the honour to submit herewith, for the information of Your Excellency and the Legislature of Canada, the Twelfth Annual Report of the Department of Marine and Fisheries, and the financial statements connected therewith, being for the fiscal year ended 30th June, 1879.

I have the honour to be,

Your Excellency's most obedient servant,

JAMES C. POPE,

Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,

OTTAWA, 1st January, 1880.

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TWELFTH ANNUAL REPORT

OF THE

DEPARTMENT OF MARINE AND FISHERIES

BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 1879.

REPORT
OF THE
DEPUTY MINISTER.

The Honourable J. C. POPE,

Minister of Marine and Fisheries.

SIR,—I have the honour to report on the transactions of this Department for the fiscal year ended 30th June 1879, and to give an account of a considerable portion of the business up to the end of the calendar year.

The financial statements of the Department, given in the Appendices to this Report, are made up to the 30th June last, as required by law, but the Report, more particularly on the Lighthouse Service, contains an account of the operations of the Department to the close of the calendar year. As complaints were made at the last Session of Parliament, that the Report was unnecessarily large, it has been deemed advisable to curtail it by omitting altogether the reports of the different Agents of the Department on the Lighthouse and other services under their charge, and to issue only two supplements this year, viz. :—One comprising the Report of the Chairman of the Board of Steamboat Inspection, the Report of the Chairman of the Board of Examiners of Masters and Mates, Statements of Wrecks and Casualties and of Rewards for Saving Life, Reports of the Harbour Commissioners of Toronto, Montreal, Quebec and Pictou, Harbour Masters' Reports, Shipping Masters' Reports, Reports of Port Wardens, Pilotage Authorities and Reports of the Water and River Police of Montreal and Quebec; and another, embracing the Fisheries Reports.

The total amount expended on the various branches of the Public Service administered by this Department, including the salaries of the Establishment Staff, during the fiscal year ended 30th June last, was \$852,678 87, while the total amount voted was \$913,879, which also includes the Departmental salaries.

The total number of persons engaged in the Outside Service of the Department at the close of the calendar year was 1,730.

The Lighthouse Service of the Dominion is comprised under the following Divisions, viz.:—The Ontario Division, embracing Lights above Montreal; the Quebec Division, extending below Montreal, and including the River and Gulf of St. Lawrence; the New Brunswick Division; the Nova Scotia Division; the Prince Edward Island Division, and the British Columbia Division. The total number of Light Stations in the Dominion on the 31st December last, was 443, and of Lights shown, 542; the number of Steam Fog-Whistles and Automatic Fog-Horns, 29, and the number of Light-Keepers, Engineers of Fog-Whistles and other assistants, with crews of Lightships, was 517.

The following are the number of Light Stations, of Lights shown, of Fog-Whistles, and of Automatic Fog-Horns in the Province of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and British Columbia, at 31st December of each year, from 1868 to 1879, inclusive. In these numbers are included three Light Stations on the Coast of Newfoundland, maintained by the Dominion, one light from each of which is shown.

	Light Stations.	Light- houses.	Fog- Whistles.	Automatic Fog-Horns.
1868	198	227	2	...
1869	219	233	2	...
1870	240	278	4	..
1871	264	297	8	...
1872	280	314	13	...
1873	316	363	17	...
1874	342	384	18	...
1875	377	444	22	...
1876	407	488	24	...
1877	416	509	25	2
1878	427	518	25	4
1879	443	542	23	6

ONTARIO LIGHTHOUSE DIVISION.

This Division includes the Lighthouses and Lightships in that part of the Province of Quebec lying between Montreal and the boundary line between the Provinces of Ontario and Quebec, as also all the Lights in the Province of Ontario, embracing the Lights on the Ottawa River, the St. Lawrence River above Montreal, and Lakes Ontario, Simcoe, Erie and Huron, the Georgian Bay and Lake Superior.

The number of Lights in this Division at the close of navigation was 147, including both Lighthouses and Light-Beacons, four Lightships maintained by the Government, and one Lightship maintained in part by a subsidy from the Government. There are 101 Buoys and 11 Beacons.

The number of Light-keepers in this Division paid directly by the Government was 109, but in several cases assistants were employed by Keepers and paid by them out of the allowance made by the Government for the purpose.

The Lights in this Division, excepting those on the Ottawa River, were inspected during the months of July and August by the Superintendent of Lights, in the steamer "Celtic," chartered by the Department for the purpose for the sum of \$2,200, and the necessary stores and other supplies delivered. From the Report received it appears that the Lighthouses are, on the whole, well cared for by the Keepers, and their general condition satisfactory.

The sum of \$11,993.75 was expended during the past fiscal year on the construction of Lighthouses in this Division, and details of this expenditure will be found in Appendix No. 8.

Reference was made in the Report of last year to the construction of new Lighthouse Towers at Port Colborne. The main and front Light situated on the West Head Pier at the western entrance to the Welland Canal, was put in operation on the 15th May last, and is a fixed white catoptric light, elevated 70 feet above water mark, and should be seen 16 miles from all points on the lake. The Tower is an open-framed square wooden building, 60 feet high, and is painted white. The Back Range Light is placed on the pier on the east side of the entrance, 1,130 feet from the main Light. It is a fixed red catoptric light, elevated 38 feet above water mark, and should be seen eight miles. The Tower is a square wooden building standing upon a block, and painted white; it is 27 feet high from base to vane. The two lights in range give the deepest water to the entrance of the canal and clear the Sugar Loaf Reef. One of the improved Champion Fog-Trumpets has been erected at the main Light, and sounds a blast of eleven seconds in each minute and a half during thick weather. As will be seen by reference to Appendix No. 8, the sum of \$4,913.31 has been expended on these Lighthouses and Fog-Horns during the past fiscal year, making, with previous expenditure, the total cost to amount to \$7,219.31.

The new Lighthouse at Port Dalhousie, for which an appropriation of \$1,600 was made by Parliament, was completed and put in operation during the past season. The total cost of this Lighthouse amounted to \$1,488.69, and details of this expenditure will be found in Appendix No. 8.

The new Lighthouse and Pier at Presqu' Isle Harbour, to which reference was made in the Report of last year, has also been completed at a total cost of \$2,192.67, as will be seen by Appendix No. 8.

The new Lighthouse at Meaford, erected to replace the temporary Light which had been in operation there for some time, has been completed at a cost of \$1,605.91.

The Day Beacons and Spar Buoys at Parry Sound, the contract for which was awarded to Mr. Thomas Caton for \$750, have been satisfactorily completed. A Lighthouse is still required at the entrance of Parry Sound to replace that on Mink Island, and tenders have lately been invited for the erection of the Pier and Lighthouse on Red Rock, and the work will probably be carried out next season.

The Lighthouse at Gore Bay, Manitoulin Island, to which reference was made in the report of last year, has been satisfactorily completed, and the Light was shown for the first time on the 15th October last. The Light which is fixed white catoptric, is situated on a headland at the west side of the bay, and is elevated 43 feet above high water mark, and in clear weather should be seen 11 miles. The building is a wooden one, painted white, and consists of a square tower 40 feet high, with Keeper's dwelling attached. The cost of this Lighthouse will appear in the accounts of the present fiscal year.

During the past season a new Lighthouse has been erected on the east side of the new channel at the west end of Long Point, Lake Erie, in the County of Norfolk, and the Light put in operation on the 15th October. The Light is a revolving red catoptric, and attains its greatest brilliancy every minute. It is elevated 52 feet above high water mark, and in clear weather should be seen 12 miles. The building is of wood, painted white, and consists of a square tower 56 feet high, with dwelling attached. The cost of this Lighthouse will be shown in the accounts of the present fiscal year.

At the last Session of Parliament appropriations were made for the construction of new Lighthouses at Byng Inlet, Georgian Bay, Parry Sound; at Leamington, in the County of Essex; and at South Bay Point, Prince Edward County, but contracts have not as yet been let for the carrying out of these works.

The contract for the new Lighthouse at Kincardine, for which an appropriation of \$4,000 was made by Parliament, has been awarded to Mr. Joseph White for the sum of \$3,500, and the work will probably be completed in the course of next season.

During the past year it was found necessary to invite tenders to construct a new Pier and Lighthouse near Dorval, in Lake St. Louis, owing to the action of the ice having severely injured the existing pier. The contract for this work was awarded to Mr. Roderick Cameron of Lancaster, for \$3,750, and the work satisfactorily completed in the month of August last.

The iron Lightship No. 1, situated near Lachine, which was sunk by a violent gale in October 1878, and raised, was thoroughly repaired during the past winter and placed at her station on the opening of navigation. By reference to Appendix No. 1, it will be seen that the sum of 3,417.29 was spent in raising and repairing this vessel, and providing her with a new lantern and lighting apparatus.

During the past season it was found necessary to place a new lantern and illuminating apparatus on the Lighthouse at Gibraltar Point, at the entrance to Toronto Harbour, and the sum of \$2,289 80 was expended in providing lantern and apparatus and in necessary repairs to the Lighthouse.

Very extensive repairs were also found necessary to the Lighthouse at Point Pelee Reef, and these have been carried out during the past season, at a cost of \$3,197.56.

Tenders were also invited during the past season for the erection of a dwelling at Knapp or Brown's Point Light Station, Wolf Island, and the contract was awarded to Mr. John J. McGrath of Sunbury, for the sum of \$765. The work has been lately completed.

Tenders were also invited for the repairing of the Breakwater at Nine Mile Point Light Station, near Kingston, and the contract has recently been awarded to Mr. John Waddell of Kingston, for \$415.

It has also been found necessary for the safety of the Lighthouse, to order an addition to the Breakwater protecting the Lighthouse at the east end of Long Point, Lake Erie, and these improvements are being carried out under the supervision of the Light-Keeper.

The sum of \$700 was allowed, as customary, to Messrs. A. & H. Hackett of Colchester, as a subsidy toward the expense of maintaining a Lightship at Colchester Reef, Lake Erie. This amount is supplemented by private subscription from steamboat owners and others, who are benefitted by the establishment of the Lightship.

The following changes have occurred in the list of Keepers of Lights in this Division since the date of last Report, viz :—

By Order in Council of the 31st January last, in consequence of the establishment of a Range Light on the east side of the harbour at Port Colborne, and the erection of a Fog Trumpet at the main Light Station, the salary of Mr. David Fortier was increased from \$400 to \$500 per annum, he being required for this amount to provide any assistance in the keeping of the Light and Fog Alarm, and in taking charge of the Lifeboat placed at that Station.

By Order in Council of the 23rd March last, Mr. Lewis Hudgins, formerly Keeper of Salmon Point Lighthouse, was restored to his position as Keeper of that Light, in the room of Mr. Peter Huff, at a salary of \$300 per annum.

By Order in Council of the 16th May last, Mr. Antoine Deschamps was appointed Keeper of the Light at the north-west end of the Pier, and also of the Light on the pier

at the south-east end of the new channel between the Locks at St. Anne, on the Ottawa River, in the room of Mr. A. St. Denis and Mr. Joseph Pilon, superseded, at a salary of \$100 per annum.

By Order in Council of the 19th May last, the salary of Mr. D. McG. Lambert, keeper of the Light on Chantry Island, and the Light at the end of the Pier near the Island, was increased from \$510 to \$650 per annum, owing to the resignation of the Assistant Light-Keeper, Mr. Lambert being required to provide the necessary assistance from the increased salary.

By Order in Council of the 30th September, Mr. Wm. E. Dickinson was appointed Keeper of the new revolving Lighthouse on west end Long Point, at a salary of \$400 per annum.

By Order in Council of the 2nd October, Mr. Robert Boyter was appointed Keeper of the new Lighthouse at Gore Bay, Manitoulin Island, at a salary of \$250 per annum.

By Order in Council of the 29th October last, Captain David Hunter was appointed Keeper of the Lights at Port Dalhousie, at a salary of \$300, in the room of Mr. Wm. Woodall, superseded.

The total cost of maintaining the Lights, Light Vessels, Fog-Bells, Buoys and Beacons in this Division for the last fiscal year was \$74,587.78, and the expenditure for construction of Lights during the same period was \$11,993.75.

QUEBEC LIGHTHOUSE DIVISION.

This Division comprises the Lighthouses and Lightships at and below Montreal, and on the Richelieu River and Lake Memphremagog, formerly under the charge of the Montreal Trinity House, as also all the Lights, Lightships, Steam Fog-Whistles, Buoys and Beacons in the River and Gulf of St. Lawrence, Straits of Belle Isle, and north west coast of Newfoundland. At the close of navigation there were in this Division 137 fixed and revolving Lights; 8 Lightships, three of which are supplied with steam Fog-Whistles; 8 Steam Fog-Whistles and Fog-Horns at Light Vessels and Light Stations; 8 Fog-Guns; 83 Buoys; 54 Beacons; 8 Provision Depôts for the relief of Shipwrecked Mariners, and 9 Life Saving Canoes. The number of persons in charge of all these was 195.

This large and important Division has for some years past been under the management of Mr. J. U. Gregory, agent of this Department at Quebec, who, in addition to the Lighthouses, has also under his superintendence several of the Dominion steamers, and the Quebec River Police Force and the Fisheries Protection

The Light Service between Quebec and Montreal, and in the River St. Lawrence between Quebec and Point des Monts, was performed during the past season by the steamer "Druid," under command of Captain Marmen. The work of laying down, taking up and keeping in position during navigation the numerous Buoys below Quebec was also attended to by Captain Marmen.

The necessary supplies and provisions for the Lights, Fog-Whistles and Provision Depôts in the Gulf and Straits of Belle Isle, were delivered by the steamer "Napoleon III," under Captain Després, two trips having been made for this purpose; one in June and the other in September last.

The Agent at Quebec reports that during the past season he visited many of the Lights in his Division, and made such improvements as appeared necessary.

Owing to the extensive improvements in the channel between Montreal and Quebec, made by the Harbour Commissioners of Montreal, it was found necessary to make alterations in the ranges of the Lights at Isle Ste. Thérèse, Port St. Francis, Champlain, Batiscan and Grondines, and erect temporary Lights to indicate the new channel till arrangements could be made for the erection of permanent buildings.

Tenders for new Lighthouses at Ste. Emilie and Ste. Thérèse have been invited, and the contract for the two required at Ste. Emilie has been awarded to Mr. A. Cameron of Lancaster, for the sum of \$900, and for the two at Ste. Thérèse to Mr. J. Sheridan of Montreal, for the sum of \$760.

New Lighthouse Towers are required at Lavaltrie, Isle aux Prunes, Sorel, and also in the Harbour of Montreal, and arrangements will probably be made for the erection of these next season.

During the past season a Lighthouse was erected at Belle Isle, on the southern and most prominent point of the Island, 300 feet lower down than the old Lighthouse and showing considerably more to the south. The Light is a fixed white catoptric, elevated about 160 feet above high-water mark, and in clear weather should be seen at a distance of 20 miles. This Light will prove of great service to navigation when the upper Light is obscured by fog. The cost of this Lighthouse will be shown in the accounts of the present fiscal year.

The Automatic Neptune Fog-Horn at Point Rich, on the coast of Newfoundland, not proving sufficiently powerful to be heard by passing vessels, has been discontinued.

Reference was made in the Report of last year to the Woodward Fog-Horn placed at Cape Ray being of little service, owing to its working being unreliable. Steps were taken during the past season to replace this Horn with one of the Improved Champion Horns, and the change has proved of great service to navigation—

the new Horn having been heard at a distance of 9 miles, with a strong cross wind in thick weather.

At Bird Rocks Light Station during the past season repairs and improvements have been made to the landing, and a Steam Winch erected, by which supplies can be landed with much greater facility. A new Gun House was also built at this Station.

Owing to the action of the sea on the foundations of Paspebiac Lighthouse, arrangements will require to be made for the removal of the Tower to another position at an early day.

An appropriation of \$4,000 was made by Parliament at its last session for the erection of a Lighthouse at Fame Point, in the County of Gaspé, and tenders have been invited for this work, but no contract has, as yet, been entered into.

During the past spring, the reflecting Light lately placed on the Pillars Island was unfortunately destroyed by fire, but the Pier and Tower on the Rock still remain, and it is probable a Red Light may be placed in the Tower next season.

The following changes have occurred in the Keepership, etc., of the Lights of this Division since the date of last Report, viz:—

By Order in Council of the 6th February last, Mr. John Loisel was appointed Keeper of Paspebiac Lighthouse, at a salary of \$150, in the room of Mr. Lionel Strong, deceased.

By Order in Council of the 12th February last, the services of Mr. Jean Nadeau, as Assistant Superintendent of Lights, were dispensed with, there being no apparent necessity for such an officer, and such office not existing in any of the other Provinces. A gratuity of two months' salary, amounting to \$121.67, was allowed to Mr. Nadeau, by Order in Council, on his services being dispensed with.

By Order in Council of the 21st April, Mr. Firmin Larrivée was appointed Keeper of Red Island Lightship, in the room of Captain David Damour, superseded, at a salary of \$500, with an allowance of \$1,900 per annum to provide an Engineer to work the Fog-Whistle, and a sufficient crew to manage the vessel.

By Order in Council of the 16th of May, Mr. Octave Desjardins was appointed Keeper of the Lighthouse at Matane, at a salary of \$250 per annum, in the room of Mr. F. X. Dionne, superseded.

By Order in Council of the 16th May, Captain Edouard Pelletier was appointed Keeper of the Upper Traverse Lightship, in the room of Mr. Alphonse M. Dechêne, superseded, at an allowance of \$1,400 per annum, from which a good and efficient crew for the management of the vessel is to be provided.

By Order in Council of the 22nd July, Mr. Wm. Matté was appointed Keeper of the Lighthouse at Isle à la Pierre, at a salary of \$220 per annum, in the room of Mr. Joseph Lamoureux, deceased. A gratuity of two months' salary, amounting to \$60, was allowed, under Order in Council, to the widow of the deceased Keeper.

By Order in Council of the 26th September, Mr. Matthew T. Wyatt was appointed Keeper of the Lighthouse and Fog-Whistle at Point Amour, Forteau, at a salary of \$800 per annum, in the room of Mr. Pierre Godier, superannuated. Mr. Godier died before Mr. Wyatt reached the Station.

By Order in Council of the 10th December, a gratuity of two months' salary, amounting to \$50, was allowed to the widow of Jules Martin, Keeper of Metis Lighthouse, who died in the month of November last.

The total amount expended for the Maintenance of Lights in this Division during the year ended 30th June last, amounted to \$103,096.56, and details of this expenditure will be found in Appendices Nos. 2 and 3 to this Report.

The sum of \$4,154.58 was expended for Construction of Lighthouses from the general appropriation made by Parliament for this purpose.

NEW BRUNSWICK LIGHTHOUSE DIVISION.

This Division embraces all the Lighthouses, Fog-Whistles, Buoys and Beacons on the coast of the Province of New Brunswick, and is under the charge of Mr. J. H. Harding, Agent of this Department at St. John, N.B. In this Division there were at the close of navigation 70 Lights, including a Lightship and 9 Fog-Whistles under the charge of 66 Light-keepers and assistants.

Reference was made in the Report of last year to the erection of a Lighthouse on the eastern side of the entrance to Musquash Harbour, in the County of St. John. This Lighthouse was completed and the Light shown for the first time on the 15th February last. The Light is fixed catoptric, showing green to seaward and white into the harbour. It is elevated 112 feet above high-water mark, and in clear weather can be seen 10 miles. The building is wooden, and consists of a square tower 40 feet high, with Keeper's dwelling attached. The total cost of this Lighthouse is \$3,270.71.

The two Range Light Towers upon the South Beach, at the entrance to the Richibucto River, Kent County, were completed and put in operation on the 1st June last. The front building on the outside of the bank is a square wooden tower 33 feet high, with dwelling attached, and shows a fixed white catoptric light 40 feet high, and visible in clear weather 12 miles. The back tower stands 306 feet from the front, and

is a square open frame 43 feet high, showing a fixed red catoptric light, elevated 44 feet above high-water mark, and visible 12 miles in clear weather. The total cost of these Lights, is \$1,872.16.

During the past season, a Lighthouse was also erected on Elm Tree Point, Petit Rocher, in the County of Gloucester, and the light shown on the 24th May last. The tower is a white square wooden one 31 feet high, and shows a fixed white Light elevated 36 feet above high water mark, which should be seen a distance of 12 miles. The cost of this Lighthouse is \$352.60.

An appropriation of \$800 was made by Parliament at its last Session for the erection of Beacon Lighthouses on the Restigouche River. Six small square Towers have been erected 22 feet in height, showing fixed white catoptric Lights. Two are placed at Dalhousie, two at Campbelltown and two at Oak Point, in the County of Bonaventure, on the opposite side of the Restigouche River. The contract for these Beacons was awarded to Mr. Peter Nadaux of Dalhousie, for \$762.

A Lighthouse has also been erected during the past season on Fish Fluke Point, on the eastern side of Grand Harbour, Island of Grand Manan, and the Light first shown on the 10th October last. The building consists of a square wooden Tower 32 feet high, with Keeper's dwelling attached, and shows a fixed white catoptric light, elevated 40 feet above high-water mark, visible in clear weather at a distance of 11 miles. As will be seen by reference to Appendix No. 8, the cost of this Lighthouse amounts to \$1,976.59.

A Lighthouse has also been erected upon Gull Cliff, at the South West Head of Grand Manan, and will shortly be put in operation. The sum of \$1,825 has been expended on this Lighthouse during the year ended 30th June last, and the further cost will appear in the accounts of the present fiscal year.

Reference was made in the Report of last year to the fact that it had been found necessary to replace the old wooden building of the Fog-Whistle on Partridge Island with a brick building. This work has been completed, a coal shed erected and other repairs and improvements carried out, at a total cost, as will be seen by reference to Appendix No. 8, of \$5,282.69.

During the past year a Brick Reservoir, of a holding capacity of 19,000 gallons, has been erected for the purposes of the Fog-Horn on Grindstone Island, at a cost of \$525, so that there is little, if any danger, of a failure of a supply of water for the use of the Fog-Horn.

During the past season tenders were invited for the construction, conveyance and placing in position of a new boiler for the Fog-Whistle at Cape Enrage, and the contract awarded to Messrs Blaisdell and McGourty of St. John, for the sum of \$925. The work has been satisfactorily completed.

During the past year it was found necessary to secure the block on which the Lighthouse on Sand Reef, Passamaquoddy Bay, stands, and this work has been completed at a cost of \$551.70.

During the past year extensive repairs and improvements have been effected at the exposed Lighthouse Stations on Machias, Seal and Gannet Rock Lighthouses, and details of the expenditure incurred will be found in Appendix No. 4.

A Fog-Trumpet of a new and improved description, manufactured by the Neptune Fog-Horn Company of Quebec, was placed during last season at Mascabin Point, at the entrance to La Tete Passage. It is sounded in thick weather, fogs and snow-storms with blasts of seven seconds duration, with intervals of thirty seconds, and will probably be heard—with the wind, six miles, and two to three miles against the wind. The cost of this Fog-Horn was \$1,750, and the sum of \$2,774.02 has been expended in erecting the necessary building for the Trumpet, making a reservoir, etc., making the total cost of the Trumpet \$4,524.02. Tenders have been invited for the erection of a dwelling for the use of the Keeper, and the contract awarded to Mr. Angus Fisher, of St. George, for the sum of \$644.

A Fog-Trumpet of similar description has been erected at Head Harbour, to replace the one first supplied by the Neptune Fog-Horn Company, which proved unsuitable. This Trumpet will shortly be put into operation, and the cost will appear in the accounts for the present fiscal year.

The erection of a Fog-Trumpet on Split Rock, at the entrance to Musquash Harbour, has been recommended by our Agent and some of the Pilots, to serve not only the purpose of a guide into the harbour, but also for steamers and other vessels bound to the Port of St. John.

During the past season it was found necessary to remove the Lighthouse and keeper's dwelling at Point Escuminac, so as to secure it from the encroachments of the sea, and the carrying out of this work, and the performance of necessary repairs, has been effected at a cost of \$1,120.

Tenders were also invited for the repairing of the Miramichi Lightship, and the contract for this work was awarded to Mr. Mathew Russell for the sum of \$850.

During a heavy gale in October last, considerable damage was caused to several of the Lighthouses on the north shore of New Brunswick.

At Shippegan, the foundations of the Lighthouse were damaged, and the Oil Store upset, and it will be necessary to remove the Lighthouse to a safer site.

At Tracadie, North Gully, the foundations of the Lighthouse were undermined to some extent, and at the South Gully the front Range Light Tower and Oil Shed were washed away from their foundations.

At Tabusintac and Neguac Stations, the masts and sheds for the front Range Lights were carried away, and at the latter place, the embankment around the main building was also partially washed away. At Fox Island a width of 100 feet was washed away from the front of the Island; the Keeper's dwelling removed from its foundations and damaged, and the inner Range Light Building broken up. At Sheldrake Island, the front Beacon was broken up and the back one canted. Arrangements will shortly be made for the thorough repair of the damage before the opening of navigation, and it is estimated that the sum of \$2,000 will be required for this purpose.

The following changes have occurred in the Keepership of the Lights and Fog-Whistles of this Division since the date of last Report, viz. :—

By O. C. of the 14th January last, Mr. Charles P. Hamm was appointed Keeper of the new Lighthouse at Musquash, at a salary of \$300 per annum.

By O. C. of the 16th May, Mr. Pacifique Leger was appointed Keeper of the Beacon Lights on Richibucto Beach, at a salary of \$200 per annum.

By O. C. of the 25th June, Mr. Hilarion Roy was appointed keeper of the new Lighthouse at Petit Rocher, at a salary of \$150 per annum.

By O. C. of the 29th October, Mr. Walter B. McLaughlin, who had served 26 years as Keeper of the Light on the exposed station of Gannet Rock, was transferred to the charge of the new Lighthouse at South-West Head, Grand Manan, at a salary of \$500 per annum.

By O. C. of the 29th October, Mr. Samuel Craig, Engineer of the Fog-Trumpet at La Tête Passage, was transferred to Head Harbour, and appointed Keeper of the Lighthouse, and Engineer of Fog-Whistle, at a salary \$700 per annum, and Mr. Henry McLaughlin, Keeper of Head Harbour Lighthouse, was transferred to the charge of the new Lighthouse erected at Grand Harbour, at a salary of \$400 per annum.

By O. C. of the 6th November last, Mr. Neil Seely was appointed Engineer of the Fog-Whistle at La Tête Passage, at a salary of \$400, in the room of Mr. Samuel Craig, transferred to Head Harbour.

By O. C. of the 4th December, Mr. John Conly, who had formerly served as Keeper of Machias Seal Island Lighthouse, and who had been placed on the superannuated list, when it was found necessary to appoint a qualified Engineer to take charge of the Fog-Whistle and Lighthouse, was appointed to take charge of the Lighthouse on Sand Reef, Passamaquoddy Bay, in the room of Mr. James Clark, deceased, at a salary of \$350 per annum. Mr. Conly's pension of \$200 ceased with

his appointment, his right thereto being, however, reserved to him on subsequent retirement.

A gratuity of two months' salary, amounting to the sum of \$58.33, was allowed to the widow of Mr. James Clark, under Order in Council.

The total amount expended on account of Construction of Lighthouses and Fog-Whistles in this Division for the fiscal year ended 30th June last, was \$22,598.14, and the sum expended on Maintenance of Lights, Fog-Whistles, Buoys and Beacons, was \$57,499.02.

NOVA SCOTIA LIGHTHOUSE DIVISION.

This Division, which is one of the most important in the Dominion, is under the charge of Mr. H. W. Johnson, Agent of this Department at Halifax. At the close of the past year, there were in operation in this Division 118 Lights, 10 Steam Fog-Whistles, 1 Lightship, 3 Signal Gun Stations, 3 Automatic Signal Buoys, 7 large iron Bell Buoys, 6 Stationary Beacons, and 285 iron and wooden Can Buoys and Spar Buoys, 3 Humane Establishments for the relief of distressed seamen, 7 Life-Boat Stations, and 4 Signal Stations. The number of Lighthouse Keepers, Engineers of Fog-Whistles and persons in charge of Life-Boats, Humane Establishments and Signal Stations in this Division is 183.

Reference was made in last year's Report to the Lighthouse in course of erection at Sheet Harbour, in the County of Halifax. This Lighthouse has not been fully completed, but it was put in operation in February last, and it is expected that the contractor will satisfactorily finish it. The building is of wood, and consists of a square Tower, 41 feet high, with Keeper's dwelling attached, and exhibits a revolving red catoptric Light attaining its greatest brilliancy every 40 seconds. The Light is elevated 75 feet above high-water mark, and in clear weather should be seen at a distance of 10 miles. As will be seen by reference to Appendix No. 8, the sum of \$3,804.50 was expended on this Lighthouse during the past fiscal year.

During the past season a Lighthouse has been erected on Three Top Island, Whitehaven, Guysboro' County, and was put in operation in September last. The building is of wood, and consists of a square Tower, 32 feet high, with Keeper's dwelling attached. The Light is fixed white catoptric, elevated 43 feet above high-water, and should be seen at a distance of 11 miles. This Light is for the purpose of guiding vessels into Whitehaven, and in order to point out the dangers on the northern side of the western passage is obscured when bearing to the eastward of N. E. by E. The contract for this Lighthouse was awarded to Mr. Thomas O'Neil of Salmon River, Guysboro', for the sum of \$1,097. The sum of \$853.21 was expended

on the work during the past fiscal year, and further expenditure will appear in the accounts of the present year.

A Lighthouse has also been erected on Pease Island, one of the Tusket Islands, Yarmouth County, and put in operation in September last. The main or sea Light is revolving catoptric in its character, and shows alternately red and white, each color visible for 15 seconds, with intervals of 45 seconds between the flashes. It is elevated 56 feet above high water, and should be seen 12 miles from all points of approach in clear weather. A fixed red catoptric Light is also shown from a window in the tower, 16 feet below the main Light, and is intended to mark the dangers known as the Old Man and the Old Woman Rocks; it is visible 4 miles. The tower is a square wooden building, 42 feet high, with Keeper's dwelling attached. The contract for this Lighthouse was awarded to Mr. Israel Chute of Brookville, Digby, for the sum of \$1,848, and it will be seen by reference to Appendix No. 8, that the sum of \$3,117.07 was expended on the work and lighting apparatus during the past fiscal year.

A Lighthouse was also erected during the past season on Wedge Island, between St. Mary River and Jegogan Harbor, Guysboro' County, and was put in operation on the 1st December last. The building is of wood, and consists of a square Tower, 44 feet high, with Keeper's dwelling attached, and showing a revolving red catoptric Light for a space of one minute in every three minutes. The Light is elevated 71 feet above high water mark, and in clear weather should be seen 12 miles from all points of approach. The contract for this Lighthouse was awarded to Mr. Thomas Sceles of Riverside, Guysboro', for \$1,683, and the sum of \$1,700.92 was expended on the work and apparatus during the past fiscal year.

During the past season two Range Light Towers were erected at Harbour au Bouche, Antigonish County, and put in operation in October last. The front building is situated on the south-west shore of the harbour, and is a square wooden Tower, 32 feet high, showing a fixed white catoptric Light elevated 36 feet above high-water. The back Tower, which is similar to the front, is situated 1,420 feet from it, and shows a fixed red catoptric Light elevated 107 feet above high-water. Both Lights are visible 9 miles in fair weather, and when ranging in one line, they indicate the position of the dredged channel entering Harbour au Bouche. The contract for the construction of these Towers was awarded to Mr. Wm. Kaulback of Harbour au Bouche, for \$575, but he failed to complete the work to the satisfaction of the Department. The sum of \$1,309.14 was expended on these Lighthouses and lighting apparatus during the past fiscal year, as will be seen by reference to Appendix No. 8.

During the past season one of the improved Neptune Fog-Horns was erected near the Lighthouse on Cross Island, in the County of Lunenburg, and put in opera-

tion in June last. In thick weather this Horn sounds a blast of 10 seconds duration, during every minute and a-half, leaving an interval of 80 seconds between each blast. The cost of this Horn was \$1,750, and the expense of erecting and providing building amounted to 721.16.

During the past season tenders were invited for the erection of a Lighthouse at St. Esprit Island, Richmond County, and the contract has been awarded to Mr. Thomas O'Neil of Salmon River, Guysboro', but he has not yet proceeded with the work.

The Lighthouse on Brooklyn Pier, Liverpool, to which reference was made in the Report of last year, has been fully completed, at a cost of \$1,023.63.

During the past season tenders were invited for the erection of a Lighthouse on Surf Point, Shelburne Harbour, and the contract awarded to Messrs. N. R. & Z. Freeman of Liverpool, but it has been deemed advisable to defer proceeding with the work owing to representations which have been made to the Department, that a Light on the end of Sand Spit would be more advantageous to the local trade, that is to the class of vessels more frequently entering Shelburne Harbour.

The Breakwater built for the protection of the Lighthouses at Parsboro' eight years since, having been shattered by a severe gale which swept the sea with great violence over the bar, it has been found necessary to invite tenders for the repairs required, and the work will be carried out as soon as practicable.

The Agent has reported that the severe gale which occurred on the 29th October last, carried away a portion of the Breakwater built in 1875 for the protection of the Lighthouse at Meagher's Beach, and that in addition to repairs required, it will be necessary to extend the Breakwater for the full protection of the Lighthouse. The cost of this work is estimated at \$4,000.

The Boilers of the Steam Fog Alarms at St. Paul's and Cranberry Island having been pronounced so much worn as soon to be unserviceable, it is proposed to invite tenders for the construction of new boilers for these stations.

Tenders were lately invited for the protection of the Lighthouse at Creighton's Head, West Arichat, and the contract has been awarded to Messrs. D. Cameron and J. McIsaac of Arichat, for the sum of \$320.

A Protection Wall has also been erected on Big Arrow Island for the safety of the Lighthouse lately erected at that place.

The following changes have occurred in the Keepership of the Lights in this Division, since the date of last Report, viz. :—

By O.C. of the 14th January last, Mr. Lawrence Power was appointed Keeper of Cape Canso Light, in the room of Mr. Thomas Langly, resigned, at a salary of \$200 per annum

By O.C. of the 11th February, the salary of Mr. Edward Horn, Keeper of Meagher's Beach Lighthouse, was increased from \$450 to \$500, to enable him to provide assistance to attend to Light and Fog Bell.

By O.C. of the 16th May, Mr. Thomas J. Phipps was appointed Keeper of the new Light at Kingsport Pier, at a salary of \$50 per annum. This salary was increased by O.C. of the 10th July to \$80 per annum.

By O.C. of the 19th May, Mr. Thomas Baker was appointed Keeper of the new Light on Pease Island, at a salary of \$250 per annum.

By O.C. of the 26th September, Mr. W. J. Webb was appointed Keeper of the Beacon Lights at Harbour au Bouche, at a salary of \$200 per annum.

By O.C. of the 27th October, Mr. Edward Burns was appointed Keeper at Wedge Island Lighthouse, at a salary of \$400 per annum.

By O.C. of the 28th October, Mr. W. L. Munroe was appointed Keeper of Three Top Island Lighthouse, at a salary of \$200 per annum.

By O.C. of the 11th November, a gratuity of two months' salary, amounting to \$58.34, was allowed to the widow of William Crooks, at the time of his death Keeper of Peggy's Point Lighthouse, Halifax County.

The total cost of the Maintenance of Lighthouses, Fog-whistles, Buoys and Beacons in this Division, including the Humane Establishments on Sable Island, St Paul's Island and Scatarie Island, during the fiscal year ended 30th June last, amounted to \$121,151.33, and the amount expended during the same period out of the general appropriation for the construction of Lighthouses, was \$17,386.97.

PRINCE EDWARD ISLAND LIGHTHOUSE DIVISION.

In this Division, which is under the charge of Mr. Wm. Mitchell, Agent of this Department at Charlottetown, there are at present 24 Light Stations under the charge of 24 Keepers. At eight of these Stations there are Range Lights in operation, making the total number of Lights amount to 32.

Reference was made in the Report of last year to the erection of a Lighthouse and Pier at Indian Point, Summerside. The contract for this work was awarded to Mr. Richard Keeffe of Alberton, for the sum of \$6,880, and the work is at present in course of construction and will probably be completed next season. The sum of

\$680.94 was expended on this work during the past fiscal year, and further expenditure will appear in the accounts of the present year.

The new Range Light Towers at the entrance of St. Peter's Harbour, King's County, have been completed and put in operation. The cost of these Towers, as will be seen by reference to Appendix No. 8, amounted to \$1,031.12.

The Range Light Towers at Murray Harbour, to which reference was made in the last Report, were satisfactorily completed by the contractor in the month of November last.

Tenders were invited during the past year for the construction of a small Lighthouse at Crapaud, and the contract awarded to Mr. James Barclay of Ellerslie, for the sum of \$535, and the work has been satisfactorily completed.

A small Lighthouse was also erected during last season at Orwell Harbour, and a red Light shown on the first of July last.

Tenders were also invited for the construction of a Front Range Lighthouse Tower at New London, in Queen's County, and the contract awarded to Mr. John McKay of Stanley Bridge, for the sum of \$139. The work was completed in October last, but during the heavy gale which visited the Island on the 29th October last the Tower was lifted from its position and carried about 200 yards westward, and the Lantern completely destroyed. By the same gale the Range Tower on Sandy Island, Cascumpec, was carried away from its foundation, and received considerable injury, and the Beacon Lights at Tignish, with the exception of the Lanterns, destroyed. Arrangements will be made to place the Range Towers at New London and Sandy Island in proper position as soon as possible, and tenders have been invited for the construction of a Lighthouse Tower at Tignish.

During the past season two masts have been erected for the purpose of Range Lights at Cove Head, in Queen's County.

Tenders were also invited for the erection of a Lighthouse Tower upon Knight's Point, Souris, King's County, and the contract awarded to Mr. Peter Alyward of Souris, for the sum of \$630.

Tenders were also invited for the construction of a dwelling for the Keeper of Sea Cow Head Lighthouse, in the County of Prince, and the contract awarded to Mr. James Barclay of Ellerslie, for the sum of \$777.

The following changes have occurred in the Keepership of the Lights in Prince Edward Island since the 1st January last.

By Order in Council of the 16th May last, Mr. James Penny was appointed Keeper of Murray Harbour Range Light, at a salary of \$50 per annum, and Mr.

Abraham Daley, Keeper of the Murray Harbour Beach Light, at the same salary, in the room of Mr. Malcolm McFayden, resigned.

Mr. John McDonald was placed in charge of the new Lighthouse at Brush Wharf, Orwell, at a salary of \$80 per annum, from the 1st July last.

Mr. Asa McCabe, who had charge of the Lights on Sandy Island, Cascumpec, died in November last, but no appointment has as yet been made to the vacancy caused by his decease, the Lighthouse being cared for by his family.

By reference to Appendix No. 6, it will be seen that the sum of \$12,158.72 has been expended during the last fiscal year in the maintenance of Lighthouses, Buoys and Beacons. The expenditure for construction of Lighthouses, during the same period, amounted to \$2,560.88, as will be seen by reference to Appendix No. 8.

BRITISH COLUMBIA LIGHTHOUSE DIVISION.

The Lighthouses in this Division were under the superintendence of Captain James Cooper, as Agent of this Department at Victoria, until the 25th June last, when, by Order in Council of that date, his appointment was cancelled, evidence having been submitted which showed that he had been guilty of fraud in the transaction of business as agent of the Department. The Hon. W. Hamly, Collector of Customs at Victoria, was placed in temporary charge as Agent, until the appointment of Mr. F. Revely by Order in Council of 11th July last.

The Lighthouses in British Columbia are six in number, and there is one Lightship, which is stationed at Fraser River. The number of Light-keepers and assistants is 14.

The Lightship at Fraser River, which had been in use since 1866, was found to be in such bad condition, from dry-rot in the hull, that it was found necessary to withdraw her from her station as no longer serviceable, and she is now offered for sale. It is proposed to replace this vessel with a permanent Lighthouse, erected on an iron screw pile foundation, and arrangements will shortly be made for this work. It is also proposed, at an early date, to place a vessel at this station to serve the purposes of a Lightship until the new Lighthouse is erected.

The only change that has occurred in the Keepership of the Lights in British Columbia was that occasioned by the death of Mr. W. H. Bevis, Keeper of Fisgard Lighthouse, on the 5th August last. A gratuity of two months salary, amounting to the sum of \$116.66 was allowed, under Order in Council, to the widow of the deceased Light-keeper.

The total cost of the maintenance of Lights, Buoys and Beacons in this Division for the year ended 30th June last amounted to \$15,152.73, as will be seen by reference to Appendix No. 7.

OIL.

As stated in the Report of last year, the oil required for the different Lighthouses in the Dominion, excepting those in British Columbia, is supplied under contract by Messrs. F. A. FitzGerald & Co., Union Petroleum Co., London, Ont.

The Lights in British Columbia, with the exception of Race Rocks Light and Fraser River Lightship, use petroleum oil. At Race Rocks and Fraser River, dog-fish liver oil is used, and gives great satisfaction, answering fully as well as the expensive Colza oil formerly used.

Particulars as to the contract with Messrs. FitzGerald & Co. are given in the Report of last year. The quantity of oil supplied to the Lighthouses above Montreal during the past season amounted to 20,739 gallons; to the Lights in the Quebec District, 19,450 gallons; to the Lights in the New Brunswick District, 9,595 gallons; to the Nova Scotia Lights, 37,819 gallons; and to the Lights in Prince Edward Island, 5,358 gallons, making in all, 92,961 gallons.

DOMINION STEAMERS.

The steamers under the control of this Department consist of the screw steamer "Napoleon III," the "Druid," paddle-wheel; the "Newfield," screw; the "Glendon," screw; the "Sir James Douglas," screw; and the two small steam launches "Dolphin" and "Wannonish," employed at Quebec in connection with the River Police Service.

As already mentioned, the steamship "Napoleon III" has been employed during the past season in supplying the Light Stations in the lower portions of the Quebec District, the north shore of the River St. Lawrence, the Gulf and Straits of Belle Isle, and the north shore of New Brunswick and Prince Edward Island. During the past season, two trips were made to all the principal stations in the Gulf, excepting those in New Brunswick and Prince Edward Island. The boilers and engines of this vessel are of the old style of 1856, and have been so worn as to require renewing, and it is proposed shortly to invite tenders for the construction of boilers and engines of the most approved description, which will not only increase the speed of the vessel, but also effect a large saving in the consumption of coal, and provide an additional carrying capacity of over 1,000 barrels, which is much required, owing to the increase in the number of Lights to be supplied.

The steamer "Druid" has been employed during the past season in supplying the Lights, etc., from Point des Monts to Montreal, and in attending to the very large

and important Buoy Service below Quebec. This vessel was also employed for nearly two months last season in the service of His Excellency the Governor General and Her Royal Highness the Princess Louise in the River and Gulf of St. Lawrence, at an estimated cost amounting to \$6,552.88.

The steamer "Newfield" has been busily engaged during the past season supplying the extensive Lighthouse and Fog-Whistle service in the Nova Scotia Division, and also the Lights and Fog-Whistles in the New Brunswick Division, situated in the Bay of Fundy. She also made a trip in the latter part of the season to Quebec with a cargo of coal, leaving a portion of it at Gaspé on her way up.

The steamer "Glendon" has been employed during the past year, as formerly, in attending to the Halifax Buoy service, supplying coal to Sambro' Island Fog-Whistle, and in conveying supplies to Lighthouses and Fog-Whistles east and west of Halifax, and attending to Buoy service on different parts of the coast.

The steamer "Sir James Douglas," employed in British Columbia, has attended during the past season to the Lighthouse and Buoy service in that Province. She was also employed on several occasions on Telegraph service in connection with the repairs to the submarine cable between the islands of the San Juan group, and in the conveyance of Her Majesty's mails to Port Townsend.

The winter steamer "Northern Light," employed for the purpose of maintaining communication between P. E. Island and the mainland during the winter season, commenced to ply between Georgetown and Pictou on the 23rd December 1878, and made daily trips successfully till the 15th January, when, owing to the packing of the ice in the Straits, she was unable to reach Pictou, and could only make trips occasionally. An effort was made to keep up communication by sending the vessel to Wallace Harbour, and an attempt was made on the 6th [February to reach that place, but it proved unsuccessful, and the vessel returned to Georgetown on the 11th February. On the 13th February trips to Pictou were resumed, but on the 23rd of that month the vessel got into very heavy ice, and in working her way out broke the outer bearing of the shaft, which disabled her from any further service until repaired. During the summer the damage has been repaired, and the steamer put in good condition for service during the present winter.

The earning of the "Northern Light" during the short period she ran amounted to \$1,035.25, which does not include anything for carrying the mails; and the cost of repairs and improvements, together with running expenses for the fiscal year ended 30th June last, amounted to \$16,333.05, as will be seen by reference to Appendix No. 9.

The amount expended during the fiscal year ended 30th June last, as will be seen by reference to Appendix 9, for the maintenance of "Napoleon III," was

\$26,973.11, of the "Druid," \$17,999.68, the "Newfield," \$28,186.82, the "Glendon," \$13,829.71, the "Sir James Douglas," \$8,460.68, making an entire expenditure, including that of the "Northern Light" above-mentioned, of \$111,783.05.

HARBOUR AND RIVER POLICE.

A River Police Force has been maintained for a number of years past at the Ports of Montreal and Quebec, for the purpose of maintaining order among the shipping during the season of navigation, and restraining crimping. A tax of three cents per ton is imposed under the provisions of the Act 31 Vic., cap. 62, on all vessels arriving at these ports for the maintenance of the force; vessels of 100 tons and under being required to pay the tax once in each year, and vessels over 100 tons, twice in each year.

The Report of Mr. Benjamin Trudel, Chief of River Police at Quebec, together with a statement of all the arrests made during the past season, will be found in Supplement No. 1 to this Report. This force, as usual, was sworn in on the 1st May, and disbanded on the 30th November. It consisted during last season of the Chief Constable, who also acts as Shipping Master, and receives a salary of \$1,200 for both offices; a Clerk and Assistant in the Shipping Office who receives a salary of \$1,000 per annum; one Chief Coxswain, who acts also as Steersman of steamer "Dolphin," at \$2.20 per diem; one Steersman and six Coxswains at \$1.80; one Coxswain at \$1.50, 36 Constables at \$1.00 per diem; one Engineer at \$50 per month, and an Assistant Engineer at \$25 per month.

A bonus at the rate of 20 cents per diem was allowed to each of the 36 Constables for good conduct at the end of the season, thus making the wages allowed \$1.20 per diem.

The Chief Constable reports that four cases of crimping occurred during the last season, but the parties concerned escaped punishment owing to the illness of the Judge of Sessions, it being considered that the Statute gave no jurisdiction to any other Magistrate or Justice to try the prisoners. Steps will be taken to ascertain whether the law is defective in this respect, and to make an amendment to it if found necessary at the next Session of Parliament.

On the occasion of the difficulties which occurred in August last, between the employees of the Grand Trunk Railway and the Federal Authorities, when the road from South Quebec to Rivière du Loup was assumed by the Government, the services of the River Police Force were made available, and valuable assistance rendered in restoring peace. The Chief also reports that valuable assistance was rendered by the Force on the occasion of the lamentable riots which occurred in August last between the "Ship Labourers' Society" and "L'Union Canadienne."

398 persons were arrested during last season by the Police and a statement of the offences and of the nationality of the parties offending will be found appended to the Report of the Chief Constable in Supplement No. 1.

The total amount expended at Quebec in connection with this service for the fiscal year ended 30th June last was \$23,023.76, while the dues collected for the same period amounted to \$15,273.51, showing a deficiency of \$7,750.25 in the receipts as compared with expenditure.

A detailed statement of the expenditure of the River Police Force, showing the amount disbursed for pay and clothing, maintenance of the Police steamers and contingencies will be found in Appendix No. 15

The Water Police Force at Montreal, during the past season consisted of the Inspector, one Chief Constable, four Sergeants and 19 Constables, numbering 25 in all. The Chief Constable received at a rate of \$3 per diem, the Sergeants \$1.90, and the Constables \$1 per diem, but as in the case of the Quebec Force a gratuity of 20 cents per diem was allowed at the close of the season to the Constables.

The Report of Mr. H. S. A. Ormond, Agent of this Department at Montreal, who also acts as Inspector of the Force, will be found in Supplement No. 1. The number of persons arrested during the last fiscal year was 259. The Inspector reports that owing to a large portion of the shipping having latterly been berthed from Hochelaga Wharf upwards, involving a patrol of fully three miles, the Force is unable with the limited number of men at disposal to give the protection called for.

The total expenditure on account of the Montreal Water Police for the past fiscal year, as will be seen by reference to Appendix No. 15, was \$13,462.74, while the amount of harbour dues collected at Montreal during the same period was \$6,191.46, showing an excess of expenditure over receipts of \$7,271.28. The expenditure for this Force during the previous fiscal year was \$14,062.08, and the receipts amounted to \$5,444.43.

The total amount expended at Quebec and Montreal on account of River Police Service for the past fiscal year was \$36,486.50, and the amount voted for the Service was \$37,590.00. The total amount collected at Montreal and Quebec during the year ended 30th June last was \$21,464.97, being \$5,237.46 less than the amount collected the previous year and the excess of expenditure over receipts amounted to \$15,021.53.

The receipts and expenditure on account of this Service during the past ten years are as follows, viz. :—

	Receipts.	Disbursements.
For fiscal year ended 30th June, 1870.....	\$23,996 68	\$18,461 83
“ “ “ 1871.....	21,235 06	17,400 73
“ “ “ 1872.....	27,215 80	20,348 00
“ “ “ 1873.....	26,618 50	32,653 87
“ “ “ 1874.....	28,650 39	38,897 52
“ “ “ 1875.....	25,620 09	37,895 00
“ “ “ 1876.....	26,499 09	41,222 68
“ “ “ 1877.....	28,598 10	35,006 37
“ “ “ 1878.....	26,702 43	37,560 14
“ “ “ 1879.....	21,464 97	36,486 50
	\$256,601 11	\$315,932 64
Deduct receipts from expenditure.....		256,601 11
Excess of expenditure over receipts.....		\$59,331 53

SICK AND DISTRESSED MARINERS.

Under the provisions of the Act 38 Vic., chap. 31, amending the Act respecting the treatment and relief of sick and distressed mariners, vessels of greater burthen than 100 tons register are liable to pay a duty of two cents per ton three times in each calendar year, instead of twice as formerly, vessels of 100 tons and under paying the duty twice in each year. During the year ended 30th June last the receipts amounted to \$37,779.57, being a decrease as compared with the receipts of the preceding year of \$6,885.50.

The Sick Mariners Act does not apply to the Province of Ontario, and consequently no dues are collected from vessels in that Province, and no expenditure incurred on account of sick seamen. For some years past, however, a grant of \$500 has been made to the General Hospital at Kingston, and a similar amount to the General and Marine Hospital at St. Catharines, as sick seamen are received and cared for at these institutions. In the Province of Quebec, the expenditure on account of sick and distressed seamen, including the total expenditure for the Marine and Immigrant Hospital at Quebec, amounted to \$23,888.56, as will be seen by reference to Appendix No. 18. Of this sum \$332.34 was expended on account of shipwrecked and distressed seamen, and \$1,007.52 for sick seamen at ports other than those of Montreal and Quebec.

At the Port of Montreal, sick seamen are cared for at the General Hospital under an arrangement made by the Department, by which 90 cents per diem is paid for the board and medical attendance of each seaman.

The expenditure for seamen treated in this hospital for the year ended 30th November, 1878, amounted to \$1,748.70. The amount of sick mariners' dues collected at the Port of Montreal for the fiscal year ended 30th June last was \$2,958.66.

At the Port of Quebec sick seamen are provided for at the Marine and Immigrant Hospital. The sum of \$20,000 was appropriated by Parliament for the maintenance of this hospital, and the amount expended for the last fiscal year was \$20,800, as will be seen by reference to Appendix No. 18. The usual grant of \$2,666.67 was received from the Government of Quebec, and \$229 from paying patients, rent of beach lots, &c., making the total amount deposited to the credit of the Receiver General \$2,895.67, thus reducing the cost of maintenance to the Government of the Dominion to \$17,904.33. In this sum the cost of maintaining sick immigrants as well as seamen is included, and estimating the cost of immigrants, of whom there were 29 in the hospital, having 727 days treatment, at \$589.16, the cost of sick seamen would amount to \$17,315.17. By reference, however, to the Report of the Resident Physician (see Appendix No. 16) it would appear that during the last fiscal year, out of 839 patients admitted, 374 were seamen, having 5,621 days' treatment; 29 were immigrants, having 727 days' treatment, and 436 residents of Quebec, having 15,745 days' treatment in the hospital. As stated, therefore, in previous Reports, the contribution made towards the maintenance of the institution by the Government of Quebec, viz: \$2,666.67 is altogether inadequate towards the support of residents in the Hospital. A fair proportion of the cost of the Institution for the last fiscal year would be as follows:—for seamen \$5,292.02; for immigrants \$684.45, and for residents \$14,823.53. Taking into consideration the total number of days spent in the hospital by seamen, immigrants and residents of Quebec, viz: 22,093, the cost of maintaining each patient per diem would be about 94 cents. During the past year, however, as will be seen by reference to the Report of the Trustees, Appendix No. 16, a considerable sum has been expended in repairs, which accounts for the increase in the expenditure as compared with the preceding year.

The amount of sick mariners' dues collected at the Port of Quebec during the last fiscal year was \$9,758.60, being \$4,845.80 less than that of the preceding year; and the total amount of dues collected in the Province of Quebec for the same period was \$14,806.80, instead of \$18,901.84 collected in the previous year. The expenditure for sick and distressed seamen at the different ports in the Province for the last fiscal year, estimating the actual charge to the Fund for the Marine Hospital at Quebec at \$17,904.33, as above stated, amounts to \$19,985.37, showing an excess of expenditure over receipts of \$5,178.57.

The expenditure on account of sick and disabled seamen in the Province of New Brunswick amounted during the last fiscal year to \$8,868.23, and for shipwrecked and distressed seamen to \$429.68, making a total expenditure of \$9,297.91, while the receipts for the same period amounted to \$9,061.32, showing an excess of expenditure

over receipts of \$236.59. Marine Hospitals are established in New Brunswick at the Ports of St. John, St. Andrews, Miramichi, Richibucto, Bathurst and Sackville, and returns are received weekly from the physicians in charge as to the number of patients. From these returns it would appear that the average weekly number of patients at the different hospitals is as follows, viz:—St. John Marine Hospital, 13; Miramichi, 5; St. Andrews, 1; Richibucto, 1, and Sackville, 1.

By referring to Appendix No. 18 details of expenditure at the different hospitals will be had.

The sick mariners' dues collected at the Port of St. John during the last fiscal year amounted to \$4,587.20, and the cost of maintenance of the Marine Hospital at that place amounted to \$4,528.94.

In the Province of Nova Scotia Marine Hospitals have been established at the Ports of Yarmouth and Sydney, and a new hospital is in course of construction at Lunenburg and will soon be completed.

At Halifax provision is made for sick seamen at the Provincial and City Hospital under special arrangements made with the managers of that institution. The sum of 90 cents per diem is at present allowed for board and medical attendance.

At the other Ports in the Province sick seamen are cared for under the direction of the Chief Officer of Customs. By referring to Appendix No. 18 details will be found of the expenditure for sick seamen at the different Ports in Nova Scotia.

At the Port of Halifax the sum of \$4,013.14 was collected as sick mariners' dues and the expenditure for sick seamen amounted to the sum of \$3,356.86. The total expenditure for sick and distressed seamen in Nova Scotia during the past fiscal year amounted to \$10,975.94, and for shipwrecked and distressed seamen to \$2,398.72, making the total expenditure \$13,374.66, being \$1,000.66 less than that of the preceding year. The total receipts amounted to \$10,005.45, showing an excess of expenditure over receipts of \$3,369.21.

In the Province of Prince Edward Island, the expenditure on account of sick, disabled and shipwrecked seamen during the past fiscal year amounted to \$3,808.55, but a considerable portion of this expenditure was occasioned by the breaking out of small-pox in some of the vessels arriving in the Island. The collections for sick mariners' dues amounted to \$1,040.34. Marine Hospitals have been established at the Ports of Charlottetown and Souris, but the building at Charlottetown consists of a small rented cottage, and is quite unsuitable for the purpose.

In the Province of British Columbia the sum of \$4,167.05 was expended during the past year for sick and disabled seamen, and the collection for the sick mariners' Fund for the same period amounted to \$2,865.66. A Marine Hospital has been established at Victoria.

During the past fiscal year the sum of \$2,981.08 was paid to the Imperial Board of Trade to reimburse expenses incurred in caring for shipwrecked and distressed Canadian seamen in foreign ports.

The total expenditure by this Department on account of sick, disabled, shipwrecked and distressed seamen during the past fiscal year, including the grant of \$500 to each of the hospitals at St. Catharines and Kingston, and the entire expenditure on account of the Marine Hospital at Quebec, amounted to \$58,237.34, being \$762.74 in excess of that of the preceding year, and \$12,762.66 less than the amount appropriated by Parliament for the service. It will be seen, however, that as the entire collections of sick mariners' dues amounted only to \$37,779.57, the excess of expenditure over receipts amounted to \$20,457.77. Should a deduction, however, be made of the fair proportion of expense of maintaining residents and immigrants in the Marine Hospital at Quebec, which amounts, as stated above, to \$15,507.98, the expenditure would amount only to \$42,729.36, and there would be an excess of expenditure over receipts of \$4,949.79. The receipts and disbursements in connection with this service during the last eleven fiscal years are as follows:—

	Receipts.	Disbursements.
For fiscal year ended 30th June, 1869.....	\$31,353 78	\$26,987 64
“ “ 1870.....	31,410 46	27,029 34
“ “ 1871.....	29,683 41	28,971 22
“ “ 1872.....	34,911 64	38,947 60
“ “ 1873.....	37,136 10	41,016 43
“ “ 1874.....	41,500 16	59,778 90
“ “ 1875.....	37,801 46	50,684 76
“ “ 1876.....	41,287 66	48,828 49
“ “ 1877.....	43,739 21	51,647 94
“ “ 1878.....	44,665 07	43,780 99
“ “ 1879.....	37,779 57	42,729 36
	\$411,268 52	\$458,402 67
		411,263 52
		\$47,134 15
	Balance to debit of Fund.....	

IMPROVEMENT OF HARBOURS.

Under the provisions of the Act 32 and 33 Vic., cap. 40, a tax of ten cents per ton was formerly imposed for the improvement of Harbours on all vessels arriving at the Ports of Bathurst and Richibucto, N.B., Amherst and House Harbour, Magdalen islands, and Cape Chatte, Quebec, these Ports having been proclaimed to be under

the operation of the Act referred to. By Order in Council of the 7th May 1877, the tonnage duty was reduced to four cents for every ton of the registered measurement of vessels entering the Ports in question.

By Order in Council of the 1st May 1877, the Port of Southern Bay, Ingonish, in the County of Victoria, N.S. was proclaimed under the operation of the Act, and a tonnage duty of six cents per ton imposed on all vessels entering that Port.

The amount collected at the different Ports under the operation of the Act for the year ended 30th June last, was as follows :—

Cape Chatte, Gaspé.....	\$ 8 20
Amherst and House Harbour, Magdalen Islands.....	110 04
Bathurst, N.B.....	496 44
Richibucto, N.B.....	721 20
South Bay, Ingonish.....	112 25
	\$1,448 13

The amount collected for the year ended 30th June, 1878 was \$1,965.92.

The only expenditure incurred during the past fiscal year was \$60, at South Bay, Ingonish.

At the Port of Cow Bay, in the County of Sydney, C.B., the sum of \$2,204.34 was collected under the provisions of the Act 37 Vic., cap. 18, which authorised the purchase of the Pier or Breakwater at that place, and provided for its maintenance. This amount is made up of tonnage dues at the rate of six cents per ton of the registered tonnage of each vessel entering the Harbour, and of wharfage dues levied and collected on merchandise landed on the Pier. The sum of \$999.74 has been expended during the last fiscal year in connection with the Breakwater by the Department of Public Works.

STEAMBOAT INSPECTION.

The Report of the Chairman of the Board of Steamboat Inspection for the year ended 31st December last will be found in Supplement No. 1 to this Report, together with statements showing the names of Engineers examined, and to whom certificates had been granted and renewed, the amount of fees paid for such certificates, the steamboats inspected, and the amount of duties and fees collected; also statements showing the steamboats added to the number in the Dominion, and those broken up, lost or rendered unfit for service during the year. From the Report and Statements it will appear that during the last calendar year, there have been issued 1,163 certificates to Engineers, being 15 less than issued in the preceding year. The certificates granted are classed as follows: first, second and third class Engineers, 453; first, second and third class Assistant Engineers, 658; limited and confined to special

steamers, 52. The sum of \$2,888 was received by the Chairman as fees for certificates and deposited to the credit of the Steamboat Inspection Fund, being an increase of \$18 over the amount received during the preceding year.

The total number of steamboats in the Dominion is 775, having a gross tonnage of 155,631 tons and 94,686 tons register. Of this number, 217 belonged to the West Ontario, Huron and Lake Superior Division, 107 to the East Ontario Division, 135 to the Montreal Division, 55 to the Three Rivers Division, 103 to the Quebec Division, 109 to the Maritime Provinces, 37 to British Columbia, and 12 to Manitoba. Of the whole number in the Dominion, 718 were inspected, 299 of the whole number were paddle and 476 screw steamers, and 354 were passenger steamers, 65 freight and 356 tugs.

During the last calendar year, 53 new steamers were added to the list having a gross tonnage of 5,539 tons and 3,637 tons register. During the same period, 27 steamers were lost or put out of service, having a gross tonnage of 2,762 tons and 1,347 tons register. This shows a gain in steamers of 26, and of gross tonnage 2,777 tons and 2,290 tons register. The principal increase in tonnage was in British Columbia and Manitoba.

The amount received during the last fiscal year on account of tonnage dues, inspection of steamboats, and certificates to engineers was \$12,331.16, of which sum \$9,570.16 was for tonnage dues and inspection fees, and \$2,761 for certificates to engineers. This shows an increase in receipts as compared with the preceding year of \$246.91 in tonnage dues and inspection fees, and a decrease of \$347 in fees for certificates, or a total decrease of \$100.09. The expenditure for steamboat inspection during the past fiscal year, as will be seen by reference to Appendix No. 10, amounted to \$13,076.46, and as the receipts amounted to \$12,331.16, there is a deficiency for the past year of \$745.30.

A statement of the different casualties which occurred in the respective divisions, will be found detailed in the Report of the Chairman. Prominent among these is that relating to the steamer "Waubuno" of Collingwood, which vessel, with all on board, was lost on the 22nd November last, while proceeding to Parry Sound from Collingwood. The cause of the disaster is unknown, and it is probable an investigation will be held into the loss of the vessel. Besides the crew of the steamer, numbering 15 persons, there were, so far as known, 10 passengers who perished by this unfortunate casualty.

The Chairman in his Report refers again to the matter of overcrowding on excursion steamers, and the difficulty of making rules which will be acceptable to steamboat owners and at the same time effectually cure the evil. The subject is at present under the consideration of the Department.

It has been deemed advisable to suspend in several instances certificates of engineers for a period of three months, with a view of putting a stop to a practice

which prevails of assistant-engineers assuming the place and duties of engineers when not qualified to do so by their certificates. One engineer is reported as guilty of drunkenness, and his certificate suspended for a period of twelve months.

It will be seen by the following comparative statement of receipts and expenditure on account of Steamboat Inspection Fund for the past ten fiscal years, that during that period the entire receipts, \$135,062.59, have exceeded the expenditure, \$110,376.72, by the sum of \$24,685.87, which remains as a balance to the credit of the Fund.

	Receipts.	Expenditure.
For fiscal year ended 30th June, 1870.....	\$ 12,521 29	\$ 7,399 18
“ “ “ 1871	10,369 96	8,321 00
“ “ “ 1872.....	11,710 43	8,500 00
“ “ “ 1873.....	15,412 75	11,205 54
“ “ “ 1874.....	15,603 19	10,291 58
“ “ “ 1875.....	15,011 90	12,199 61
“ “ “ 1876.....	13,811 24	13,081 86
“ “ “ 1877.....	15,859 42	13,073 01
“ “ “ 1878.....	12,431 25	13,228 28
“ “ “ 1879.....	12,331 16	13,076 46
	\$135,062 59	\$110,376 72
	110,376 72	

Excess of receipts over expenditure.....\$ 24,685 87

CERTIFICATES TO MASTERS AND MATES.

The report of the Chairman of the Board of Examiners of Masters and Mates for the calendar year ended 31st December, 1879, will be found in Supplement No. 1 to this Report. During the past calendar year, as will be seen by reference to the Report, the Board of Examiners have held meetings for the examination of candidates at the Ports of Halifax, N. S., St. John, N. B., Charlottetown, P. E. I., Quebec, and Yarmouth, N. S. At the Port of Halifax ten meetings were held, eleven at St. John, four at Charlottetown, three at Quebec, and ten at Yarmouth. At Halifax the number of Masters who succeeded in passing and obtaining certificates of competency was 16, and the number of Mates 23, while 3 candidates failed as Masters, and 5 as Mates. At the Port of St. John 23 candidates passed for the grade of Master, and 15 as Mates, and 4 as Second Mates, while 16 failed as Masters, and 5 as Mates. At the Port of Charlottetown 5 candidates passed for the grade of Master, and 6 as Mates, while 2 failed as Masters, and 7 as Mates. At the Port of Quebec no candidate succeeded in passing for the grade of Master, 6 having passed as Mates, and one as Second Mate, while 2 failed as Master and 2 as Mates. At the Port of Yarmouth 23 candidates passed for the grade of Master, and 24 as Mates, while 9 failed as

Master, and 5 as Mates. It will thus be seen that during the past year, out of 99 candidates that presented themselves at the ports named for examination as Masters, 67 succeeded in passing, and 32 failed, and that out of 103 that applied for examination as Mates, 84 passed, and 24 failed.

The number of candidates who have passed and obtained Masters' certificates of competency since the Act went into operation, viz., 16th September, 1871, to the 31st December, 1879, is 1,046, and the amount paid for these certificates, at the rate of \$10 each, \$10,460.

During the same period 434 candidates received certificates of competency as Mates, and the amount paid, at the rate of \$5 each, was \$2,170.

In the supplement referred to, a list will be found of all who have obtained certificates of competency and service, either as Master or Mate, during the year ended 31st December, 1879. During the calendar year, eight certificates of service for the grade of Master and 4 for that of Mate have been granted.

The total number of certificates of service issued since the Act came into operation is 829 for the grade of Master and 292 for that of Mate, making a total of 1,117 certificates granted. These certificates, as stated in previous Reports, are granted to Masters and Mates who are unable or unwilling to undergo examination for certificates of competency, and who have held situations as Masters and Mates previous to 1st January, 1870, and can produce certificates of experience and general good conduct. The fee charged for certificates of service is at the rate of \$5 for Master, and \$3 for Mate.

The fees received on account of certificates of competency and service during the fiscal year ended 30th June last was \$1,334.50, and the amount expended on account of this service, as will be seen by reference to Appendix No. to the General Report, was \$4,291.79, less a refund of \$41.67, making the expenditure to be \$4,250.12. The amount voted by Parliament for this service was \$4,250. Thus it will be seen that the excess of expenditure over the amount voted has been 12 cents.

A list of certificates cancelled during the last calendar year will also be found in Supplement No. 2 to this Report.

On the 16th May last Mr. E. Deville, formerly a Lieutenant in the Navy of France, was appointed an Examiner of Masters and Mates at the Port of Quebec, in the place of Captain A. Marmen, resigned.

The following Act providing for the examination of persons who intend acting on board ships in the capacity of Second Mates was passed during the last Session of Parliament, and examinations were held at St. John and Quebec, and four candidates succeeded in passing at the former place, and one at the latter.

It will be noticed that the Act is not compulsory, and contains no provision to compel a ship owner to have on his vessel a certificated Second Mate.

42 VICTORIA.

CHAP. 26.

An Act to extend "An Act respecting Certificates to Masters and Mates of ships."

[Assented to 15th May, 1879.]

WHEREAS it is expedient to provide for the voluntary examination of, and for the granting of certificates of competency to persons intending to act in the capacity of "Second Mate" on board sea-going ships registered in Canada: Therefore Her Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:—

1. Subject to the provisions hereinafter made, the Act passed in the thirty-third year of Her Majesty's reign, and intituled "*An Act respecting certificates to Masters and Mates of ships*," is hereby extended and made applicable to persons intending to act in the capacity of "Second Mate," and a certificate of competency to act as second mate may be granted to every applicant duly reported by the examiner to have passed the examination satisfactorily to the conditions and provisions mentioned in the fourth section of the said Act.

2. All applicants for examination as "Second Mates" shall, before such examination, pay to such person as the Minister of Marine and Fisheries appoints for that purpose a fee of five dollars; and in the event of any applicant failing to procure his certificate of qualification on his first examination, he shall be entitled to a second examination without payment of any additional fee; but if he fails to procure his certificate of qualification on such second examination, he shall pay the same fee before any subsequent examination, which is hereby required to be paid before a first examination.

3. Nothing in this Act contained shall, however, render it compulsory on the part of the owner of any vessel to have on his vessel a Second Mate holding such a certificate as is above mentioned, to enable him to clear his vessel for sea.

The qualifications required for the rank of Second Mate are as follows:—

A Second Mate must be seventeen years of age and must have been four years at sea.

In Navigation.—He must write a legible hand and understand the first five rules of arithmetic, and the use of logarithms. He must be able to work a day's work complete, including the bearings and distance of the port he is bound to, by Mercator's method; to correct the sun's declination for longitude, and find his latitude by meridian altitude of the sun; and to work such other easy problems of a like nature as may be put to him. He must understand the use of the sextant, and be able to observe with it, and read off the arc.

In Seamanship.—He must give satisfactory answers as to the rigging and un-rigging of ships, stowing of holds, etc.; must understand the measurement of the log-line, glass, and lead-line; be conversant with the rule of the road, as regards both steamers and sailing vessels, and the lights and fog signals carried by them, and will also be examined as to his acquaintance with "the Commercial Code of Signals for the use of all nations."

By virtue of an Order in Council dated the 17th February, 1879, Canadian certificates of competency may issue under the provisions of the Canadian Act 33 Vic., chap. 17, to gentlemen in Canada who are Masters of their own yachts and possessed of the necessary qualifications, subject to the following regulations, viz.:—

REGULATIONS.

1. The examination is purely voluntary, and is confined to persons who command their own pleasure yachts. A Master of a yacht who is not also the owner, is not eligible for examination.

2. Only one description of Certificate will be issued, which will entitle the holder to command his own yacht, whether foreign-going or only cruising within North American waters. The Certificate will not entitle the holder to command any vessel except the pleasure yacht of which he is at the time owner.

3. Candidates are not required to have served any specified time afloat, as it is believed that their sea knowledge will be sufficiently tested by the examination they will have to pass in seamanship.

4. Testimonials of service need not be produced.

5. The fee of \$10, required for the examination of a Master of a foreign-going ship, will be charged.

6. In other respects the regulations framed for the conduct of the examination of Masters ordinary will apply to those cases.

QUALIFICATIONS.

In Navigation.—He must understand the first five rules of arithmetic and the use of the logarithms. He must be able to work a day's work, complete, including the bearings and distance from one Port to another by Mercator's method; to correct the sun's declination for longitude, and find his latitude by meridian altitude of the sun. He must be able to observe and calculate the amplitude of the sun, and deduce the variations of the compass therefrom. He must know how to lay off the place of the ship on the chart, both by bearings of known objects, and by latitude and longitude. He must be able to determine the error of a sextant and to adjust it; also to find the time of high water from the known time at full and change. He must be able to observe azimuths and compute the variation, to compare chronometers and keep their rates, and find the longitude by them from an observation of the sun; to work the latitude by single altitude of the sun off the meridian, and to be able to use and adjust the sextant by the sun. He must be able to find the latitude by a star etc. He will be required to answer in writing certain questions as to the nature of the effect of the ship's iron upon the compass, and as to the methods of determining any error arising therefrom. He will be examined in so much of the laws of the tides as is necessary to enable him to shape a course, and to compare his soundings with the depths marked on the charts. He must possess a sufficient knowledge of what he is required to do by the Merchant Shipping Acts, and to possess a knowledge of the measure for preventing and checking the outbreak of scurvy on board ship. He must be acquainted with the leading Lights of the coast he has been accustomed to navigate, or which he is going to use.

In Seamanship.—He must understand the measurement of the log line, glass and lead line, and pass a satisfactory examination in the green coloured pamphlet issued by the Board of Trade, London, on the rule of the road, as regards both steamers and sailing vessels, and the lights and fog signals carried by them, and will also be examined as to his acquaintance with the "International Code of Signals for the use of all nations." He must know how to moor and unmoor, and to keep a clear anchor, and to carry out an anchor. He will also be questioned as to his knowledge of the use and management of the mortar and rocket lines in the case of the stranding of a vessel, as to managing a ship in stormy weather, taking in and making sail, casting a ship on a lee shore, and securing the masts in the event of accident to the bowsprit. He will be examined as to his competency to construct jury rudders and rafts, and as to his resources for the preservation of the ship's crew in the event of wreck.

In cases where an applicant has only served in a fore and aft rigged vessel, and is ignorant of the management of a square rigged vessel, he will only obtain a certificate on which the words "fore and aft rigged vessel" will be written. This Certificate does not entitle him to command a square rigged ship. Under this order one examination was held at Halifax, and Mr. F. C. Sumichrast who is Master of his own yacht, passed and obtained a yachting certificate of competency.

As Canadian certificates are not valid in Great Britain, and as a misunderstanding appeared to exist on the part of some Canadian officers in regard to the validity

of Canadian certificates of service in the United Kingdom, the Department published and distributed the following circular:—

Canadian Certificates.

DOMINION OF CANADA,
DEPARTMENT OF MARINE,
OTTAWA, June 7th, 1879.

The attention of this Department has been drawn by the Imperial Board of Trade to a misunderstanding which appears to exist on the part of some Canadian officers serving on board Canadian vessels trading to the United Kingdom, as to the validity of Canadian certificates of service while in the United Kingdom. In consequence, when Canadian vessels are refused clearance at ports in the United Kingdom on account of their officers not being possessed of certificates of competency which are valid in Great Britain, but only of Canadian certificates of service, which are not valid there, much surprise is expressed, and, in some instances, the spirit of the 136th section of the Imperial Merchant Shipping Act of 1854 has been evaded by the temporary engagements of men possessing the necessary certificates of competency for the purpose of clearing the vessels.

It has therefore been deemed advisable by this Department to make it more generally known in Canada that Canadian certificates of *service* possess no validity in the United Kingdom, and will not enable the possessors of them to use them in clearing their vessels in lieu of the Certificates of Competency required by law.

WM. SMITH,
Deputy Minister of Marine, &c.

Examinations are now held at St. John on the second Thursday in each month, at Halifax on the third Tuesday in each month, at Quebec once in two months, if necessary; at Charlottetown, the second Monday in the 1st month of each quarter; and at Yarmouth, every six weeks or two months, as may be required.

The following statement shows the receipts and expenditure on account of this service since the Act came into operation, viz:—

	Expenditure.	Receipts.
For fiscal year ended 30th June, 1871	\$1,410 45	.....
“ “ 1872	4,312 07	1,344 00
“ “ 1873	6,466 18	4,963 00
“ “ 1874	4,520 19	2,995 00
“ “ 1875	5,696 62	2,715 00
“ “ 1876	4,672 08	2,021 87
“ “ 1877	4,050 00	1,740 50
“ “ 1878	4,249 76	1,296 50
“ “ 1879..	\$4,291 79	.....
Less refund	41 67	
	<hr/> 4,250 12	<hr/> 1,334 50
	<hr/> \$39,627 47	<hr/> \$18,410 37
	18,410 37	
Excess of expenditure over receipts.....	\$21,217 10	

WRECKS AND CASUALTIES.

The casualties to British, Canadian and foreign sea-going vessels reported to the Department as having occurred in Canadian waters, and to Canadian sea-going vessels in waters other than those of Canada, during the year ended the 31st December, 1879, were 368, representing a tonnage 148,181 tons register, and the amount of loss, both total and partial, so far as ascertained, was \$3,390,876.

The number of lives lost in connection with these disasters was 281, viz, 32 in Canadian waters, and 249 in waters other than those of Canada.

The disasters reported to the Department as having occurred to vessels on the inland waters of Canada during the last calendar year were 50, representing a tonnage of 11,577 tons register. The amount of loss sustained is estimated at \$110,585. The number of lives reported lost was 40.

The total number of casualties reported to the Department as having occurred during the calendar year to sea-going and inland vessels, was 418, and 321 lives were reported lost in connection with them. The aggregate number of tons involved in these disasters was 159,758 tons register, and the total amount of loss, as far as has been ascertained, including both vessels and cargoes, was \$3,501,461. This amount includes partial loss of vessels and cargoes.

The fine iron steamship "State of Virginia," of Glasgow, 6 years old, 2,473 tons register, sailed from New York for Glasgow on the 10th of July last, with 69 of a crew and 57 passengers, and a cargo of grain and flour. On the following day a dense fog shut down and prevented the master from obtaining an observation. The vessel proceeded on her way, following a course which the Master thought would bring her 20 miles south of Sable Island, until the evening of the 12th of July, when the vessel struck on the south side of Sable Island. After the vessel struck, the Master made all needful preparations for landing the passengers, who assisted him in his efforts for their safety, and in maintaining perfect order and discipline. When the morning broke the fog lifted a little, showing some persons on the shore. A life-boat from the Humane Station was sent to the vessel and a number of women and children were landed in safety. The boat returned to the vessel and took off the balance of the women and children and proceeded in safety until about 150 feet from the shore, when she was struck by a following sea in the outside breakers and upset. It was about four minutes before the life-boat righted, and those who clung to her for life got in again, but during that short time 9 persons, 4 women and 5 children, had met a watery grave. Subsequently, the remainder of the passengers and crew landed in safety in the ships' boats and were cared for at the Humane Establishment, and were subsequently taken off by the Government steamer "Glendon" and brought to Halifax. By this casualty 9 lives were lost. The vessel was owned by the "State Steamship Company" of Glasgow, was classed A 1, and valued at \$225,000. The cargo was valued at \$400,000.

An enquiry was held by Captain P. A. Scott, R. N., into the loss of this fine ship, and the court adjudged that the master's certificate of competency be suspended for three months. From the evidence taken at the enquiry, it appears that for ten hours before striking, the ship was in soundings, when a few casts of the lead would have shown that she was running into danger, and the disaster would in all probability have been avoided.

The wooden bark "Oriental" of Quebec, one year old, bound from Philadelphia to Cork with a cargo of grain, struck on Sable Island on the 31st March last, during a dense fog, and became a total wreck. No lives were lost by this casualty, the crew, 17 in number, escaping in the ships' boats to the island, where they were cared for at the Humane Establishment. The "Oriental" was classed A 1 in English Lloyds, and was valued at \$45,000. The cargo was valued at \$52,000.

The English ship "Turkish Empire," 1,502 tons registered tonnage, sailed from St. John, N. B., on the 6th March last, bound for Dublin, with a cargo of deals. The ship had a heavy list, and shortly after the tug left her it was found she was too tender to carry even a small amount of sail. An effort was then made to return to port, but the ship would not answer her helm, and drifted all night before a heavy gale of wind, accompanied by snow, and struck the next forenoon upon Big Duck Island, Grand Manan, in the Bay of Fundy. After striking, the ship commenced to break up, and the survivors got to the shore on pieces of the wreck, and were kindly cared for by the only residents of the island, Mr. and Mrs. Smith. By this casualty seven lives were lost. The vessel was 23 years old, and was classed A 1½ in the American Record. She was valued at \$30,000, and the cargo was valued at \$10,000.

No wrecks occurred at St. Paul's Island during the last year. On the 13th of July last the steamship "Poléna" grounded on the north-west side of the island during a fog, but was backed off without any serious damage.

The wooden ship "Adriatic," of St. John, 1,436 tons registered tonnage, was totally lost near Dunkirk, France, on the 26th February last, while on a voyage from Pabellon de Pica to Dunkirk, with a cargo of guano. By this casualty 35 lives were lost. The vessel was nine years old; was owned by James Nevins, Esq., Liverpool, and was valued at \$55,000, and was insured for that amount. The cargo sustained damage to the extent of \$15,000.

The iron sailing ship "Lake Michigan," nine years old, and 880 tons registered tonnage, sailed from Portland, State of Maine, on the 4th February last, bound to London, with a cargo of grain and flour, and has not since been heard from. By this casualty 28 lives were lost. The vessel was classed A 1 in Lloyds, and was valued at \$53,000. The value of the cargo is estimated at \$60,000. The vessel was owned by the Canada Shipping Company, of Montreal, and was registered at that port.

The wooden bark "Rockwood," of St. John, N. B., 738 tons registered tonnage, sailed from New York for London on the 18th day of December, 1878, with a cargo of grain, and has not since been heard from. By this casualty 12 lives were lost. The vessel was valued at \$30,000. The cargo was valued at \$40,000. The vessel was owned by Mr. W. W. Swinburn, of St. John. She was classed in French Lloyds, and was seven years old.

The wooden bark "Viking," of Digby, Nova Scotia, 376 tons register, five years old, which sailed from Philadelphia for Bayonne, on the 7th October, 1878, with a cargo of grain, was abandoned on the 31st of the same month in consequence of having sprung a-leak. The grain stopped the pumps so that they would not work, and the captain and one of the crew were suffocated in trying to clear them. The crew was rescued by the Spanish brig "Julliana," and the bark was seen to founder in one hour after the abandonment. The vessel was classed in French Lloyds, and was valued at \$18,000. The cargo was valued at 20,000. The vessel was owned by Messrs Samuel and John Ryerson, of Yarmouth, Nova Scotia.

The wooden ship "D. R. Eaton," of Windsor, N. S., 1,553 tons register, sailed from New York on the 14th September, 1878, bound for Antwerp, loaded with grain, and has not since been heard from. By this casualty 24 lives were lost. The vessel was only one year old; was classed in French Lloyds, and was valued at \$60,000. The value of the cargo is estimated at \$100,000.

The wooden bark "James H. Myrick," of Charlottown, P. E. I., two years old, and 399 tons registered tonnage, sailed from Tignish for Queenstown on the 28th of December, 1878, with a cargo of oats, fish and deals. She was thrown on her beam ends on the 1st of January, 1879, and was abandoned. No loss of life occurred in connection with the casualty. The crew were rescued by a passing steamer. The value of the vessel was \$15,000, and the cargo was valued at \$10,000. The vessel was classed in English Lloyds.

The wooden ship "King of Algeria," of Quebec, 1,522 tons register, sailed from Philadelphia on the 26th of March, 1879, bound for Antwerp, with a cargo of petroleum, and has not since been heard from. By this casualty 18 lives were lost. The vessel was valued at \$30,000 and was 23 years old. The value of the cargo is unknown.

The wooden bark "Coila," of St. John, N. B., 557 tons register, loaded with grain, sailed from Baltimore for the Island of Jersey on the 12th of February, 1879, and as not since been heard from. The vessel was three years old and was classed in French Lloyds. By this casualty 11 lives were lost. The vessel was valued at \$24,000, and the value of the cargo was \$26,000. The vessel was owned by Mr. William Thomson, of St. John, N. B.

The fine ship "St. Bernard," 1,564 tons register, four years old, sailed from New York on the 26th of June last, bound for Antwerp, with a cargo of grain. On the 21st July a heavy gale set in with thick fog, and drove the vessel ashore at West Cappella Bank, near Flushing. After striking, the vessel commenced to break up and became a total loss. By this casualty 7 lives were lost. The remainder of the crew, 14 in number, were saved by the ship's boats. The vessel was owned by Mr. W. D. Lovitt, of Yarmouth, and was valued at \$45,000. She was classed in French Lloyds. The value of the cargo was \$75,000.

The fine iron steamship "Eirene," of Glasgow, 1,317 tons register, 1 year old, was stranded at Red Bay, on the coast of Labrador, on the 3rd of October last while on a voyage from Montreal to Glasgow with a general cargo, and became a total loss. The vessel was valued at \$150,000, and the cargo at \$120,000. The vessel was classed A 1 in Lloyds, and was owned by Messrs. Donaldson & Bros., Glasgow.

The fine iron steamship "Quebec," of Liverpool, belonging to the Dominion Line, was stranded on the east point of Prince Edward Island, on the 2nd day of September last, while on a voyage from Liverpool to Quebec with a general cargo and 70 passengers. She was subsequently got off without receiving any damage. A formal court of enquiry was held to investigate the cause of the accident by Mr. William Smith, Deputy Minister of Marine, who could find no possible excuse for the captain getting his vessel ashore under such favorable circumstances, and without any difficulties of any kind to encounter, and sentenced the Captain to have his certificate of competency suspended for three months, which sentence was approved by the Minister of Marine.

The wooden bark "Dartmouth," of Yarmouth, Nova Scotia, sailed from Liverpool in ballast, on the 25th June last, bound for Delaware Breakwater, and has not since been heard from. By this casualty 17 lives were lost. The vessel was 6 years old, was classed in French Lloyds, and was valued at \$30,000.

The new wooden ship "Dunsyre," of Yarmouth, 1,083 tons register, was abandoned at sea through stress of weather on the 1st of February last, while on a voyage from New York to Havre with a general cargo. By this casualty 2 lives were lost. The vessel was classed in English Lloyds and was valued at \$45,000. The value of the cargo is unknown.

The schooner "Dreadnot," of Yarmouth, sailed from Antigua for Yarmouth on the 21st of March last, with a cargo of molasses bound to Yarmouth, and has not since been heard from. The vessel was 8 years old and was not classed. She was valued at \$2,400, and the cargo was valued at \$3,500. By this casualty 7 lives were lost.

The fine brigantine "C. R. Burgess," of Windsor, Nova Scotia, 490 tons register, and 4 years old, sailed from Boston for Gloucester, Great Britain, on the 17th of

September, 1878, with a cargo of grain, and has not since been heard from. The vessel was 4 years old and was classed in French Lloyds. She was valued at \$18,000. The cargo was valued at \$20,000. By this casualty 10 lives were lost.

The wooden bark "Edward Albro" of Pictou, N.S., 394 tons register, sailed from Nassau on the 11th December, 1878, bound for New York, with a cargo of sugar, and has not since been heard from; by this casualty 10 lives were lost. The vessel was 15 years old and was valued at \$10,000. The value of the cargo is not known.

The fine wooden ship "Batavia" of Quebec, two years old, 1,110 tons register, was stranded upon an island in the south Atlantic during a fog and became a total loss on the 6th March last; she was on a voyage from New York to China, with a cargo of coal oil. By this casualty 3 lives were lost. The vessel was classed at English Lloyd's and was valued at \$44,000. The cargo was valued at \$60,000.

The steamer "Waubano," 293 tons register, of St. Catharines, left Collingwood for Parry Sound, on the 22nd of last November, and has not since been heard from. She had a general cargo and about 24 passengers, all of whom were lost. She is supposed to have been broken up by the storm which she encountered, as a lot of wreck material was subsequently found upon the shore of the Georgian Bay, about three miles west from Moose Point. The vessel was 14 years old; she was 135 feet long, 18 feet broad and 7 feet deep. Her gross tonnage was 465 tons, and was principally made up of enclosed spaces above the tonnage deck. It is said she was worth \$10,000. The value of the cargo was about \$7,000.

The "Natrona," of Quebec, a wooden vessel, 293 tons register, sailed from Greenland on the 9th May last, with a cargo of meteoric ore, and has not since been heard from. By this casualty 12 lives were lost. The vessel was two years old and was classed in French Lloyds. She was valued at \$20,000. The value of the cargo is unknown.

The schooner "Pinta," of Hamilton, 36 tons register, foundered about five miles, from Oakville River, while on a voyage from Oakville to Toronto, on the 20th November last. By this casualty three lives were lost. The vessel was nine years old and was valued at \$400. This unfortunate casualty appears to have been the result of overloading the vessel. It appears that when the vessel left Oakville, she was loaded with about 65 tons of stone, which brought her rail to within about six inches of the water. So long as the vessel was in smooth water her deeply laden state was no cause of danger, but when she arrived at Marigold Point she met a heavy sea which no doubt swamped her.

The wooden schooner "Edward Blake," of Port Burwell, went ashore at Presque Isle, in Lake Ontario, on the 2nd of November last, while on a voyage from

Kingston to Chicago, with a cargo of salt and became a total loss. No lives were lost by this casualty. The vessel was 328 tons register, and was valued at \$12,000. The cargo was valued at \$3,000.

The fine ship "Vandiemán," of Yarmouth, 1,347 tons register, sailed on the 30th January, 1879, from Liverpool, Great Britain, for New York, in ballast, and on the night of the 3rd February collided with an unknown vessel and foundered 250 miles south-west of Cape Clear. The night was clear and the lookout saw a red light on the port bow, and ordered the helm to be put hard a port, but the collision occurred and the "Vandiemán" commenced immediately to sink. The boats were ordered out, but the vessel sank so quickly that only four of the crew were saved, the rest, 18 in number, being lost. As nothing was seen of the other vessel she is supposed to have sunk as rapidly as the "Vandiemán." The four survivors were subsequently rescued by the steamship "Agia Sophia" and landed at Liverpool. The "Vandiemán" was one year old, and was classed in French Lloyds. She was valued \$52,000, and was insured for \$30,000.

The wooden ship "Royal Charter," of Yarmouth, was abandoned at sea on the 30th October last, while on a voyage from New York to Antwerp, with a cargo of grain. The ship met with heavy weather when eight days out, which caused her to leak badly. The pumps became choked and the crew abandoned the vessel, and were taken aboard the Russian bark "Hermas." There were five feet of water in the "Royal Charter" when she was abandoned. She was subsequently fallen in with by the bark "Marie Olsen" and boarded by the master, Captain Olsen, and four of the crew. Captain Olsen took possession of the vessel and pumped her out on the 7th November, and made for the nearest port. The "Marie Olsen" was on a voyage from Limerick to New York when she fell in with the abandoned vessel. The loss by this casualty is not known. No lives were lost. The ship was six years old, and was classed in American Lloyds.

When the wreck register was closed for publication at the close of 1878 there were a number of casualties reported of which the Department had not sufficient particulars to enable it to publish them in the list for that year. Returns were subsequently received for many of these casualties, and a list of them will be found in Supplement No. 2 to this Report. These casualties have been added to the number of disasters previously reported, and have largely increased the amount of loss and damage sustained by the mercantile marine in 1878. The total number of casualties reported for 1878 after the wreck register was closed for publication, was 75, involving a tonnage of 27,120, and 66 lives were reported lost in connection with them. The total amount of loss, so far as was ascertained, was \$543,500, making the total number of casualties for 1878 to be 414, the number of tons involved 161,760, the number of lives lost 187, and the amount of loss and damage to be \$3,444,875.

COMPARATIVE STATEMENT of the Losses reported to the Department since 1870. This Statement includes both total and partial to Vessels and Cargoes.

	Casualties	Tonnage.	Lives Lost	Damage.
				\$
For the Year ending 31st December, 1870.....	335	82,008	210	901,000
do do 1871.....	274	81,035	81	2,100,000
do do 1872.....	290	99,109	237	2,507,338
do do 1873.....	350	99,523	*813	2,844,133
do do 1874.....	308	106,862	109	2,029,965
do do 1875.....	286	99,427	78	2,468,521
do do 1876.....	452	153,368	404	2,942,955
do do 1877.....	468	177,896	163	2,952,532
do do 1878.....	414	161,760	187	3,444,875
do do 1879.....	418	159,758	321	3,501,481

* Of this number 545 persons were lost by the wreck of the steamship "Atlantic" on the 1st April, 1873.

SHIPPING, MASTERS AND SHIPPING OF SEAMEN.

In Supplement No 1 to this Report will be found a statement showing the returns received from the Shipping Masters appointed under the Act relating to the shipping of seamen for the half years, ended 30th June and 31st December last, and of the fees received under the Act.

The following changes have occurred in the list of Shipping Masters since the 1st January last, viz:—The appointment of A. B. Bligh, Shipping Master at Halifax, on the 25th January last, in the room of John D. Cummins, deceased; the appointment of M. A. Tracey as Shipping Master at North Sydney, on the 16th day of May, in the room of A. Corbett, who had left the place; the appointment of J. J. Campbell as Shipping Master at Little Glace Bay, on the 16th May last, in the room of J. E. Hutchins, superseded; the appointment of Wm. Young as Shipping Master at Lunenburg, on the 26th March last, in the room of Joseph Creighton, superseded, and the appointment of W. M. Duff, on the 10th December last, as Shipping Master for the port of Lunenburg.

The following is a summary of the Reports received from Shipping Masters at some of the principal Ports in the Dominion.

The Shipping Master at St. John shipped during the year, 2,842 seamen, discharged 1,868, and received as fees at the rate of 50 cents for each seaman shipped, and 30 cents for each seaman discharged, \$1,981.40, out of which he paid for assistant and incidental expenses, \$870, leaving the net income of his office \$1,111.40.

The Shipping Master at Halifax shipped during the year 2,532 seamen, discharged 1,961, for which he received \$1,854.30, out of which, after deducting expenses, he had as remuneration \$889.92.

The Shipping Master at Montreal shipped during the year 516 seamen, discharged 743, and received as fees \$629.50.

At the Port of Quebec, the total number of seamen shipped from the 1st January to 31st December last, was 925, of which number 304 belonged to British, 535 to Dominion, and 60 to foreign vessels. 326 seamen were discharged during the same period, of whom 165 belonged to British, and 161 to Dominion vessels. In addition to these, 31 wrecked seamen were discharged without payment of fees. The total amount of fees received during the calendar year was \$559.50, being \$124.10 less than the preceding year, and deducting the sum of 119.07, being the amount of incidental expenses, the balance, 440.43 reverted to the Treasury.

At the Port of Chatham, N. B., 160 seamen were shipped, 72 discharged, and fees to the amount of \$101.60 received by the Shipping Master.

At the Port of Pictou, N. S., 348 seamen were shipped, 159 discharged, and fees received to the amount of \$221.70.

At the Port of Liverpool, N. S., 527 seamen were shipped, 443 discharged, and fees to the amount of \$396.40 received.

At the Port of Yarmouth, N. S., 555 seamen were shipped, 458 discharged, and fees to the amount of \$414.90 received.

At the Port of Charlottetown, P. E. I., 466 seamen were shipped, 314 discharged, and fees to the amount of \$327.20 received.

At the Port of Lunenburg, N. S., 404 seamen were shipped, 371 discharged, and fees to the amount of 313.30 received.

PILOTAGE AUTHORITIES.

QUEBEC.

The Report of the Harbour Commissioners of the Port of Quebec, who are by law the Pilotage Authority for the Port of Quebec, will be found in Supplement No. 1. The annual statement of the Decayed Pilot Fund, which is under the conduct and management of the Corporation of Pilots, will be found in Appendix No. 32 to this Report. From this statement it appears that on the 31st December last, the Decayed Pilot Fund stood as follows:—

Money invested	\$53,352 71
In Savings' Bank	2,028 44
In Treasurer's hands.....	119 93
	<hr/>
	\$55,501 08
Deduct arrears due on pensions.	138 12
	<hr/>
	\$55,362 96

The number of Pilots on the active list on the 31st December last, was 197, being three more than reported last year, and the number of Apprentice Pilots was 32, being a decrease of eight in the number last reported. Eight apprentices were admitted after examination to practice as Pilots, but no apprentices were indentured during the year. No Pilots were pensioned, two died and three were fined. Of Pilots on the active list, 22 were in the employ of steamship companies and in charge of Dominion steamers. The number of infirm or decayed Pilots on the list is 50. The pensions to infirm Pilots range from \$88 to \$120. 75 widows receive a pension of \$70; 11 widows \$56; 80 widows \$44, and 15 \$40; and 22 children of Pilots received pensions varying from \$10 to \$20. The amount paid for pensions during the year was \$12,551.15, and the percentage on contributions of Pilots to the fund amounted to \$7,887.33, and the sum of \$7,587.91 was received from capital, interest paid, &c. The total receipts on account of the fund for the year amounted to \$15,475.24, and the expenses amounted to \$15,355.31.

The total receipts for Pilotage amounted to \$111,118.11, being an excess of \$6,301.33 over the receipts of the preceding year. 188 Pilots received from the general earnings of last season a dividend each of \$488.37, while that of the previous season amounted to \$455.90.

The total receipts of the Corporation of Pilots for the last calendar year amounted to \$114,933.40, and the expenditure, including dividends to Pilots, to \$114,428.18.

The Commissioners report that during the past season only one trial was held on the complaint of a Ship Master, and as it was established on the investigation that the grounding of the vessel complained of was purely accidental, and attended with no injury to the vessel, the complaint was dismissed. Three trials were held for infringement of the regulations of the Corporation of Pilots, and in each case, the defendants were fined and condemned to pay the costs.

MONTREAL.

The Report of the Harbour Commissioners of Montreal who are by law constituted the Pilotage Authority for this District, and possess the powers formerly

vested in the Montreal Trinity House, will be found in Supplement No. 1. The statement of the Decayed Pilot Fund will be found in Appendix No. 33 to this Report.

From the Report it appears that there are at present 47 Pilots on the active list, and that four new Pilots were licensed, and temporary licenses granted to two Pilots, in accordance with the 36th section of the Act 36 Victoria, chapter 54. The number of Apprentices is 25.

The total earnings of the Pilots during the last season amounted to \$38,530.17, being in excess of the previous year by the sum of \$8,114.05. The condition of the Decayed Pilot Fund continues to improve, the increase in poundage received being \$348.58 as compared with last year, and the total increase \$1,689.90. The amount received for poundage being five per cent. of the earning of the Pilots, was \$1,924.07, including that received on vessels coming only to Sorel or Three Rivers. There was, besides, received as interest on investments, \$1,923.75, making a total of \$3,847.82. The disbursements amounted to \$2,157.92 paid as pensions to old and infirm Pilots and widows of Pilots. There are at present 23 Pensioners on the fund, viz.:—20 women and three men, and the pensions paid range from \$75 to \$90.

The Fund now amounts to \$33,305.35, and \$24,000 of this amount is invested in Montreal Harbour Bonds, \$2,000 in Montreal Water Works Bonds, \$1,600 in Dominion Stock \$5,686.72 in City and District Savings Bank, and the balance \$18.63, in hands of the Treasurer.

In the Report of the Pilotage Authority will be found an account of the various casualties which occurred during the past season. From this it appears that three Pilots in charge of steamers were tried by the Commissioners and judgment rendered suspending them for certain periods. The Pilots concerned obtained writs of certiorari, and one case has been withdrawn, and the others are still before the court.

ST. JOHN, N.B.

By the Returns received from the Pilotage Authority at this Port (see Supplement No. 1) it will be seen that the sum of \$21,614.63 was received as Pilotage dues, during the year ended 31st Dec. last. These dues were received from 498 vessels, of which 355 were British and 163 Foreign. There are 42 licensed Pilots. From the statement given of receipts and expenditure it appears that the receipts from licenses granted to Pilots and Pilots Boats, and the proportion of Pilotage dues deducted from all vessels on outward pilotage, and on vessels going to sea without Pilots, together with fines and interest on bonds invested, amounted to \$2,271.23, and the expenditure, including pensions paid to retired Pilots and widows and children, salary of Secretary, rent, fuel and other charges, amounted to \$1,968.25, leaving a balance to the credit of the Pilot Fund of \$302.98.

HALIFAX, N.S.

From the Returns received, it appears that the sum of \$13,519.19 was received as Pilotage dues, \$133 for renewals of licenses and bonds, \$666.49 commission on earnings to defray expenses of office, and \$266.42 for superannuation fund, making the total receipts \$14,585.10. Of this amount \$12,401.44 was paid to Pilots, \$1,498.46, for Secretary's salary, rent and printing, and \$70 to widows and orphans, leaving a balance of cash on hand of \$615.20. The number of vessels entering inwards subject to Pilotage dues was 763, and of vessels entering outwards 414. There are 17 licensed Pilots at this Port.

MIRAMICHI, N.B.

In this District there are 32 licensed Pilots. During the past season, 257 vessels reported inwards, and 248 outwards. The total amount of Pilotage received was \$14,294.77, of which amount \$4,183.77 was received from British, and \$10,111 from foreign vessels. The sum of \$173 was received for renewal of licenses, etc., and this amount was expended in payment of Secretary, examination of Pilot Boats, printing and other contingent expenses.

BRITISH COLUMBIA.

Full Returns by the Pilotage Authority of British Columbia for the half year ended 30th June last will be found in Supplement No. 1. Of the 14 licensed Pilots belonging to this District eight appear to be in active service, and no apprentices were employed. The Pilotage dues collected up to 30th June last amounted to \$10,413.28, and the total receipts were \$11,510.06. Of this amount, \$9,173.29 was paid to Pilots, and the sum of \$1,824.18 was expended in payment of salaries of the Secretary and Treasurer's office, legal and other contingent expenses, leaving a balance to the credit of the Pilotage Authority of \$512.59.

By O. C. of the 15th April last a separate Pilotage District was formed in British Columbia for the Electoral Districts of Yale and New Westminster, and embracing all the Ports, Harbours and Rivers within the limits of these Districts. Rules for this District were made by the Commissioners appointed, and approved by Order in Council of the 26th July last.

By Order in Council of the 15th April, a separate Pilotage District was also formed for the Port of Nanaimo and other Ports in the Island of Vancouver, excepting Victoria and Esquimaux, and Rules for this District were made by the Commissioners, and approved by Order in Council of the 4th December last.

Owing to the abridgement of jurisdiction of the original Pilotage Authority by the formation of these two authorities in British Columbia, it was found necessary to dispose of the boats and plant, and bring the general system of Pilotage to a close on the 31st May last, and particulars as to the action taken will be found in the Report of the British Columbia Pilotage Authority.

A Return for the abridged District of Victoria, British Columbia for the half year, ended 31st December last, has also been received, from which it appears that there are three licensed Pilots in the District, five certificated Masters and Mates, and the Pilotage dues received for the half year amounted to \$3,556.97 and the total, receipts to \$3,692.97, all of which was expended.

In addition to the two new Pilotage Districts formed in British Columbia, Pilotage Districts have been established during the past year for Tatamagouche and Brule, for the Port of Antigonish, and for the Port of Wallace, all in Nova Scotia.

Pilotage Returns have not yet been received for the past year from the Districts of Bras d'Or Lake, and Great and Little Bras d'Or, Shediac, Summerside, Sackville, New London, Tatamagouche and Brule, and Wallace, but if received in due season they will be published in Supplement No. 1.

HARBOUR COMMISSIONERS AND HARBOUR MASTERS.

In Supplement No. 1 to this Report will be found reports of the Harbour Commissioners at Toronto, Montreal, Quebec and Pictou, for the calendar year ended 31st December last.

The report presented by the Harbour Master at Toronto to the Harbour Commissioners, shows that the total receipts for Harbour dues amounted to \$8,859.36, showing a decrease from the previous year of \$1,901, owing to a general falling off in all importations except lumber, corn and brick, on which there was a slight increase. The total revenue for the year amounted to \$11,422.56, and the expenditure to \$6,774.53. During the year 2,221 vessels frequented the Harbour, being five less than the preceding season. During the year dredging operations were carried on principally in connection with the different slips and docks, at a cost of \$1,991.88 and the dredging works of the Dominion Government in the west channel were also continued. The Harbour Master expresses the hope that this work in the west channel will be still further prosecuted, and states that it is a matter of vital importance, as owing to the deepening of the Welland Canal vessels requiring a greater depth of water will frequent this Harbour.

The report of the Harbour Commissioners, Montreal, embracing the reports of the Harbour Master and Harbour Engineer, will be found in full in Supplement No. 1.

From the report of the Harbour Master it appears that 612 sea going vessels arrived in Port during the past season, of the aggregate tonnage of 506,969 tons, 321 of which were built of iron, of the aggregate tonnage of 405,442 tons, and 291 were of wood, of the aggregate tonnage of 101,527 tons, 289 of which were propelled by steam, of the aggregate tonnage of 378,353 tons, and 323 were sailing vessels, having

a tonnage of 128,616 tons. 575 of these vessels were British and the rest foreign. The number of vessels that arrived the previous season were 516, having an aggregate tonnage of 397,266 tons. It will thus be seen that there has been a very considerable increase during the past season as compared with the preceding one. There was also a very considerable increase in the number and tonnage of inland vessels that arrived in port over that of the preceding year, the number being 5,698 in 1879, and 5,202 in 1878, and the tonnage 817,423 in 1879, and 764,243 in 1878.

From the Harbour Engineer's report it appears that the principal works of the past year were the further deepening and improvement of the ship channel through the Harbour, the extension of the Windmill Point Basin and Wharf, and deepening and renewing other sections of the Harbour.

The revenues of the Harbour Commissioners from all sources during the past year amounted to \$369,439.81. \$96,000 of this amount was received from the Dominion Government on account of new channel operations, \$265,349.89 from Harbour dues, wharfage, etc., and \$8,089.92 from rents and other sources. During the year the sum of \$142,205.78 was expended in new channel operations, \$109,875.73 in interest on Harbour debt, \$18,874.28 in Harbour repairs, \$37,505.43 in dredging, \$54,532.72 Dominion Government interest, and \$66,410.72 in other works and repairs and incidental expenses, making the total expenditure \$428,404.66. The receipts from wharfage were much in excess of the previous year, and the total receipts as compared with 1878, show an increase of \$42,739.

The report of the Harbour Commissioners for the Port of Quebec, with accompanying statements, will be found in Supplement No. 1. It will be seen from those statements that the total revenue of the Commissioners during the past year, arising from tonnage dues, Harbour dues, revenue from property, interest, etc., amounted to \$64,721.45, while for the preceding year it amounted to \$66,355.83, showing a decrease in the past year of \$1,634.38. Of the revenue received, \$25,631.33 was for tonnage dues, \$11,916.63 for import, export and Harbour dues, and the balance rents on property, etc. The expenditure, including salaries of officials, repairs to wharves, interest and sinking fund on \$723,000 debentures, amounted to \$58,909.66, leaving an excess of revenue over expenditure of \$5,811.79. The total value of the assets of the Corporation are given as \$1,402,154.98, including wharves and other properties, Harbour improvements and Graving Dock, and the liabilities at \$1,248,199.50.

The Commissioners report that the Harbour improvements in the River St. Charles have progressed satisfactorily during the past season, but that the works on the Graving Dock have not advanced as rapidly as was anticipated. The Lifting Barge has been busily engaged during the past season, and succeeded in removing a number of boulders, anchors, and other obstructions.

The report of the Harbour Commissioners for the Port of Pictou, N. S., for the calendar year ended 31st December last, will be found in Supplement No. 1, together with an account of their receipts and disbursements. The receipts from Harbour dues and wharfage amounted to \$1,926.98, and the expenditure to \$1,109.10, leaving a balance of \$907.88 in the hands of the Commissioners. By the provisions of the Act 48 Vic., chap. 29, the Commissioners are empowered to appoint, with the approval of the Minister of Marine and Fisheries, Police Constables, not exceeding three in number, for the purpose of carrying out the provisions of the Act respecting the Harbour of Pictou, and the Criminal Laws of the Dominion.

By Order in Council of the 10th July last, three Commissioners were appointed, under the provisions of the Act passed at last Session of Parliament, to have superintendence of the Harbour and Harbour Master of the Port of North Sydney, in the Province of Nova Scotia. A rate or duty of one cent per ton on the registered tonnage of each ship exceeding 40 tons register is levied and collected as Harbour dues on all ships over 40 tons register entering the harbour for any purpose whatever, and the dues collected are to be applied, after the payment of the salary of the Harbour Master and other necessary expenses, to the maintenance and repairs of the Harbour and of ballast or other wharves and beacons in the Harbour.

In Supplement No. 1 to this Report will be found reports from a number of the Harbour Masters at the more important Ports, appointed under the Acts 35 Vic., chap. 42, 36 Vic., chaps. 9 and 63, and 37 Vic., chap. 34, with a statement of the fees collected by the Harbour Masters during the year ended 31st December last, and also a list of all the Harbour Masters appointed under these Acts.

The following Harbour Masters have been appointed by Order in Council during the past year, viz. :—

Thomas K. Parker, for West Isles, N. B., on the 4th February, at a salary not to exceed \$200 of the fees collected.

Hector McDonald, for Cow Bay, N. S., on the 3rd March, at a salary not to exceed \$400 of the fees collected.

Jonn Hardy, for Gaberuse, N. S., on the 3rd March, at a salary not to exceed \$100 of the fees collected.

Patrick O'Toole, for Louisburg, N. S., on the 17th March, at a salary not to exceed \$200 of the fees collected.

Felix L. Marmand, for Arichat, N. S., on the 22nd April, at a salary not to exceed \$200 of the fees collected.

John McCormack, for Souris West and East, P. E. I., on the 25th April, at a salary not to exceed \$200 of the fees collected, in the room of Alex. Halloran and S. H. McDonald, superseded.

Otis G. White, for Port Mulgrave, N. S., on the 16th May, at a salary not to exceed \$200 of the fees collected, in the room of A. H. McDonald, superseded.

Angus McDonald, for Cardigan River, P. E. I., on the 16th May, at a salary not to exceed \$200 of the fees collected.

John McMullen, for Grand River, P. E. I., on the 16th May, at a salary not to exceed \$200 of the fees collected.

John Lowe, for Murray River, P. E. I., on the 16th May, at a salary not to exceed \$200 of the fees collected.

William Cummings, for Annapolis, N.S., on the 16th May, at a salary not to exceed \$200 of the fees collected, in the room of Jacob T. Starratt, superseded.

Joseph E. Pinsonneault, for St. John's, P.Q., on the 19th May, at a salary not to exceed \$400 of the fees collected, in the room of Napoleon Bourassa, superseded.

William Johnston, for Chatham, N.B., on the 25th June, at a salary not to exceed \$300 of the fees collected, in the room of John Brown, superseded.

Jabez F. Parks, for Port Medway, N.S., on the 25th June, at a salary not to exceed \$300 of the fees collected.

Alex. A. Moore, for Pownal, P.E.I., on the 10th July, at a salary not to exceed \$100 of the fees collected.

Prospère Paulin, for Caraquet, N.B., on the 10th July, at a salary not to exceed \$150 of the fees collected, in the room of G. B. Paulin, superseded.

John McDonald, for Bayfield, N.S., on the 11th July, at a salary not to exceed \$200 of the fees collected.

Henry Heighton, for River John, N.S., on the 29th October, at a salary not to exceed \$100 of the fees collected, in the room of William Lauder, resigned.

WHARVES, PIERS AND BREAKWATERS.

The Piers under the control and management of this Department are the following:—The Piers at Goderich, Rondeau and Inverhuron, in the Province of Ontario; Rimouski, Rivière du Loup, Rivière Ouelle, Malbaie, Eboulements, L'Islet and Berthier, in the Province of Quebec; and Maitland, Oak Point and Digby, in the Province of Nova Scotia. At the Port of Cow Bay, Cape Breton, N.S., the Pier or Breakwater purchased under the provisions of the Act 37 Vic., chap. 13, is also under the management of this Department, but the tonnage dues imposed on vessels calling at the Pier, and the tolls for goods landed thereon, which were formerly collected by the Chief Officer of Customs at the Port, are now collected by Mr. Archibald McKinnon, who was appointed Wharfinger by Order in Council of the 15th April last, he receiving five per centum of the total amount collected as remuneration. It is proposed to define

the limits of the Port by Order in Council for the levying and collecting of dues, as difficulties have arisen in regard to the matter. By reference to Appendix No. 27 it will be seen that the sum of \$2,204.34 was collected during the fiscal year ended 30th June last.

By referring to Appendix No. 28 a statement will be found of the amounts collected from the other Wharves and Piers under the charge of the Department. The total amount collected, exclusive of Cow Bay, amounts to \$3,187.67.

By Order in Council of the 25th June last, Mr. Wm. Watt was appointed Wharfinger of the Pier at Digby, N.S., to receive as remuneration for his services ten per centum of the amount collected.

METEOROLOGICAL SERVICE.

In Appendix No. 34 will be found the Annual Report of the Meteorological Service of Canada, for the year ended 31st December last, as given by the Superintendent, Professor Kingston of Toronto, who also holds the position of Director of the Magnetic Observatory at that place. Considerable progress is reported to have been made during the year, both in the collection of statistics and in the dissemination of information by the extension of the issue of daily probabilities and otherwise.

Reports have been received during the year from eleven new stations, five of which have been made reporting telegraph stations, making in all 19 reporting telegraph stations in the Dominion, instead of 14 as at the commencement of the year.

A continued increase in the accuracy of storm warnings is reported, and also a diminution in the number of telegraphic delays. In the year 1879 the percentage of warnings verified was 83, and the number of warnings, which, owing to telegraphic delays, reached their destination too late to be of service, was reduced from 36 in 1878 to 18 in 1879. 712 warnings were issued and 591 verified.

The total number of weather predictions, other than storm warnings, was 4,089, and the percentage fully and partly verified of them was 93.6. The number of places receiving these probabilities has been increased to about 125, including five stations in Prince Edward Island.

Lists of the chief and other stations in correspondence with the Central Meteorological Office are appended to the Superintendent's report.

The sum of \$37,000 was appropriated by Parliament for the Meteorological Service, and by reference to Appendix No. 20 it will be seen that this amount has been expended as follows, viz.:—For salaries, Central Office, \$7,068.70; Chief Stations, \$4,248.34; Telegraph and Reserve Telegraph Stations, \$5,339.50; telegraphing, \$10,633.26; stationery, \$1,939.90; instruments and apparatus, \$1,290.55; Miscellaneous, \$4,645.75.

OBSERVATORIES.

In Appendix No. 35 will be found the Report of the Director of the Magnetic Observatory at Toronto, for the year ended 31st December last, in which a description is given of the work performed at the observatory, and of the different instruments employed in making observations. The sum of \$4,800 was voted by Parliament for this Observatory, and the expenditure, as will be seen by Appendix No. 24, amounted to \$4,799.16.

The report of Mr. C. H. McLeod, Superintendent of the McGill College Observatory, Montreal, will be found in Appendix No. 36. Tri-hourly observations are taken at this Observatory, and telegraph signals sent three times each day to the Central Meteorological Office, at Toronto. During the year the Observatory has been presented with some valuable astronomical instruments by Mr. Charles S. Blackman, B.A., formerly of Montreal, and now a resident of New Haven, Conn., and information as to these will be found detailed in the report. Since the 1st October last the true mean time has been given to the city and shipping by the dropping of a ball placed on the dome of the Harbour Commissioners' building, and by striking all the fire alarm bells at noon precisely. This latter is not done directly from the Observatory, but through the fire department, the error of the clock in the fire alarm office being determined by signals from the Observatory at specified times between 11.55 a.m. and noon. The sum of \$500 is granted annually by Parliament for the purposes of this observatory.

The report of Commander Ashe, R.N., Director of the Quebec Observatory, will be found in Appendix No. 37. The duties of the Director of this Observatory consist largely in giving the time to the shipping during the season of navigation, and to the city during the entire year, and by means of the Montreal Telegraph Co. to those sections of the Intercolonial and North Shore Railways that use Quebec time. The Electric Time Ball has been dropped during the season of navigation, and by the adoption of an improved system, and electrical instruments, it is expected that failures which occasionally occurred will be hereafter avoided. The sum of \$2,400 is granted by Parliament to this institution.

The sum of \$1,200 has been appropriated by Parliament for the maintenance of the Observatory at St. John, N.B., which is under the supervision of Mr. George Hutchinson, and the Signal Station, which is kept by Mr. John B. Longley. The Time Ball has been dropped regularly from the Anchor Line Warehouse, but it is proposed to erect a tower for the purpose on the new Custom House building now in course of construction. Mr. Hutchinson's report forms Appendix No. 39.

An allowance of \$100 per annum is made to Mr. Robt. H. Cogswell, who gives the true time at noon to the Public at Halifax, by means of a ball dropped at his establishment.

The sum of \$500 is annually voted to the Observatory at Kingston, which is under the charge of Rev. Dr. Williamson of Queen's College. His report will be found in Appendix No. 38.

MERCHANT SHIPPING.

The total number of vessels remaining on the regular books of the Dominion on the 31st December last, including old and new vessels, sailing vessels, steamers and barges, was 7,471, measuring 1,332,094, being an increase of two vessels, but a decrease in the number of tons of 921 as compared with 1878. The number of steamers on the registry books on the same date was 884, with a gross tonnage of 189,722 tons, and a net tonnage of 118,016 tons. Assuming the average value to be \$30 per ton, the value of the registered tonnage of Canada on the 31st day of December, 1879, would be \$39,962,820, or £7,992,564 sterling.

A statement is appended which has been compiled from the *Repertoire Générale* for 1879 and 1880, from which it appears that the tonnage upon the register books of the British Empire, including Canada and the other colonies, was 8,139,703 tons. The United States of America comes next with a sea-going tonnage of 2,411,243. Norway comes next with a tonnage of 1,426,071, followed by Germany with a tonnage of 1,112,570. From this statement it will appear that Canada with her 1,332,094 tons stands between Norway and Germany, and is fourth on the list of the ship-owning countries of the world. With the exception of Canada, these figures do not include the inland tonnage of the sailing vessels of these countries or of steamers under 100 tons register.

The number of new vessels built and registered in the Dominion of Canada during the last year was 265, measuring 74,227 tons register. No new vessels sailed from Canada under a Governor's Pass last year. Estimating the value of the new tonnage at \$45 per ton, it gives a total value of \$3,340,619, or £668,123 sterling.

Mr. Walter T. Ross, the Collector of Customs at Picton, Ontario, was appointed a Measuring Surveyor of Shipping at Picton last year, in place of Mr. Clute, the former Collector, who was superannuated.

Mr. Thos. G. Pile, the Collector of Customs at Mill Point, Ontario, was appointed a Measuring Surveyor of Shipping during the last year for Mill Point, and Mr. Richard Sanderson and Mr. Wm. McMillan were also appointed Measuring Surveyors of Shipping, the former for Port Gilbert, and the latter for the County of Pictou in the Province of Nova Scotia.

No Ports were constituted Ports of registry for the Registry of Shipping during the last year.

A statement follows showing the number of vessels and number of tons on the register books of the different Ports of Registry in the Dominion on the 31st December last. A statement is also published of the number of new vessels built and registered in the Dominion during the last year, and a comparative statement follows of the number of new vessels built and registered from 1874 to 1879 both years inclusive.

No change can legally be made in the name of a registered ship in Canada without the permission of the Governor in Council. When a change is desired in the name of a vessel, the owner should make application in writing to the Governor-General, and forward it to this Department along with a certificate as to the state of repair in which the vessel is at the time, and the applicant should state the reason for desiring the change. A change in the name of a vessel is seldom made except for some good reason, such as alteration of description, being rebuilt or thoroughly repaired. It frequently happens that application is made to the Department to have the name of a foreign vessel, which has been purchased by a British subject, changed, so that when being registered she may be registered as a British ship under a new name. Such request, however, cannot be complied with, as the Imperial Merchant Shipping Act requires a foreign ship when being registered as a British ship to be registered under the name which she bore as a foreign ship immediately before becoming a British vessel. After a foreign ship has been registered as a British Canadian vessel, the Department usually entertain any application for a change of name. The following vessels had their names changed during the last calendar year :—

Bark "Hebe," of St. John ; name changed to "Canada West."

Schr. "Village Belle," of St. John ; name changed to "Merlin."

Schr. "Philo Scovill," of Morrisburg, Ont. ; name changed to "Midland Rover."

Str. "Juliette," of Hamilton ; name changed to "Eclipse."

Schr. "Volunteer," of Chatham, Ont. ; name changed to "Mary Allen."

Str. "Hector," of Windsor, Ont. ; name changed to "Erie Belle."

Schr. "City of Manitowac," of Quebec ; name changed to "Ann Cecelia."

Str. "May Flower," of Halifax ; name changed to "May Queen."

Brigantine "New London," of Quebec ; name changed to "Onward."

A statement is also appended of wrecked vessels, whose registers were closed, and which were subsequently thoroughly repaired and made seaworthy and re-registered during the last calendar year.

The list of registered vessels was last published in 1877 in book form, and was found to be of great use to persons interested in Shipping. It is probable that the list for 1880 will be published and issued early in 1881.

Statement of wrecked vessels which were thoroughly repaired and re-registered during the calendar year of 1879:—

Schooner "Anita,"	formerly of	Portland, Maine,	registered at	Halifax.
do "Henry Trial,"	do	Halifax, N.S.,	do	at Halifax.
Bark "Hebe"	do	Norway	do	St. John.
Schooner "Lida and Lizzie"	do	Portland, Maine	do	Pictou.
do "Miriam"	do	St. John's, N.F.,	do	Lunenburg.
do "Snipe"	do	Charlottetown	do	Arichat.
Brigantine "Maggie"	do	Liverpool, N.S.	do	Liverpool, N.S.
Schooner "Alice May"	do	Yarmouth	do	Halifax.
Barge "L. Renaud"	do	United States	do	Montreal.
Schooner "Janie R."	do	Liverpool, N.S.	do	Shelburne.
do "Elysia, A."	do	St. John	do	St. John.
do "A. Carcand"	do	New Carlisle	do	Pt. Hawkesury
do "Ann Amelia"	do	Halifax	do	Halifax.
Bark "R. H. Wood"	do	Cape Town	do	St. John.
Schooner "May"	do	Yarmouth	do	do
do "Eldon, C."	do	Lunenburg	do	Charlottetown.
Steamer "Utopia"	do	St. Andrews	do	St. Andrews.
Schooner "S. B. Hume,"	do	Eastport, Maine	do	Sydney.
do "E. Goodwin"	do	Shelburne	do	Halifax.
do "Adria"	do	Parrsboro'	do	Digby.
Bark "Harmine"	do	Norway	do	Sydney.
Schooner "The Star"	do	St. John	do	Halifax.
do "Frank Newton"	do	Lunenburg	do	Sydney.
do "J. P. Blake"	do	Parrsboro'	do	Parrsboro'.

STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, on the 31st December, 1879.

NEW BRUNSWICK.

Name of Port.	Vessels.	Tons.
Chatham	169	17,516
Dorchester	21	16,625
Richibucto.....	Nil.	Nil.
Moncton.....	4	1,686
Sackville.....	13	4,718
Saint John.....	737	279,746
Saint Andrews.....	191	20,200
Total.....	1,135	340,491

STATEMENT showing the number of Vessels and number of Tons on the Registry Books, &c.—*Continued.*

NOVA SCOTIA.

Name of Port.	Vessels.	Tons.
Amherst	14	5,737
Annapolis	77	22,769
Arichat	124	6,034
Barrington	30	1,796
Baddeck	9	581
Digby	163	17,579
Guysboro'	41	2,309
Halifax	1,001	98,149
Liverpool	106	10,585
Londonderry	6	2,726
Lunenburg	219	14,794
Maitland	14	36,328
Pugwash	16	1,051
Parrsboro'	76	10,961
Pictou	99	31,405
Port Hawkesbury	39	1,922
Port Medway	28	1,468
Sydney	98	6,912
Shelburne	129	13,625
Truro	4	1,649
Windsor	195	97,813
Weymouth	23	5,911
Yarmouth	437	160,075
Total.....	2,975	552,159

PROVINCE OF QUEBEC.

Amherst	33	1,265
Gaspé	44	2,833
Montreal	1,007	130,133
New Carlisle	32	1,932
Percé	3	230
Quebec	856	109,632
St. Johns	Nil.	Nil.
Total.....	1,975	246,025

PROVINCE OF ONTARIO.

Amherstburg	11	385
Belleville	11	932
Brockville	24	726
Brighton	Nil.	Nil.
Collingwood	12	2,247
Chippewa	3	159
Cramahe	4	447
Chatham	21	2,579
Cobourg	11	1,102
Cornwall	2	46
Darlington	2	253

STATEMENT showing the number of Vessels and number of tons on the Registry Books, &c.—*Continued.*

PROVINCE OF ONTARIO—*Continued.*

Name of Port.	Vessels.	Tons.
Dunville.....	17	1,838
Dundas.....	1	163
Fort Erie.....	1	559
Goderich.....	21	1,390
Hamilton.....	35	7,907
Kingston.....	208	27,222
Kingville.....	1	101
Niagara.....	1	512
Napanee.....	25	3,511
New Castle.....	1	158
Oshawa.....	2	538
Ottawa.....	106	11,158
Owen Sound.....	10	1,833
Oakville.....	9	1,006
Port Burwell.....	26	5,407
Port Dover.....	20	1,331
Port Colborne.....	7	709
Port Hope.....	34	3,895
Port Rowan.....	11	1,375
Port Stanley.....	10	1,599
Picton.....	41	5,403
Saugeen.....	2	75
Sarnia.....	17	4,049
Sault Ste. Marie.....	6	264
St. Catharines.....	126	27,723
Toronto.....	83	9,349
Windsor.....	48	5,810
Whitby.....	4	650
Wallaceburg.....	29	2,194
Morrisburg.....	3	382
Total.....	1,006	136,987

PROVINCE OF PRINCE EDWARD ISLAND.

Charlottetown.....	298	49,807
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PROVINCE OF BRITISH COLUMBIA.

Victoria.....	60	4,701
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PROVINCE OF MANITOBA.

Winnipeg.....	22	1,924
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STATEMENT showing the number of Vessels and number of Tons on the Registry Books, &c.—*Continued.*

SUMMARY.

Province.	Vessels.	Tons.
New Brunswick.....	1,135	340,491
Nova Scotia.....	2,975	552,159
Quebec.....	1,975	246,025
Ontario.....	1,006	136,987
Prince Edward Island.....	298	49,807
British Columbia.....	60	4,701
Manitoba.....	22	1,924
Total.....	7,471	1,332,094

COMPARATIVE STATEMENT showing the Number of Vessels and Number of Tons on the Registry Books of the Dominion of Canada on the 31st December, 1873, 1874, 1875, 1876, 1877, 1878 and 1879.

Provinces.	1873.		1874.		1875.		1876.		1877.		1878.		1879.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	1,147	277,850	1,144	294,741	1,133	307,926	1,154	324,513	1,133	329,457	1,142	335,965	1,135	340,491
Nova Scotia.....	2,803	449,701	2,787	479,669	2,786	505,144	2,887	529,252	2,961	541,579	3,003	553,368	2,975	552,159
Quebec.....	1,842	214,643	1,837	218,946	1,831	222,965	1,902	228,502	1,951	248,399	1,976	248,349	1,975	246,025
Ontario.....	681	89,111	815	113,008	825	114,990	889	123,947	926	131,761	958	135,440	1,006	136,987
P. E. Island.....	280	38,918	312	48,388	335	50,677	338	50,692	342	55,547	322	51,250	298	49,807
British Columbia.....	30	4,095	35	3,611	40	3,685	40	3,809	43	3,479	51	4,482	60	4,701
Manitoba.....	.....	.....	.....	.....	2	178	2	178	6	246	17	1,161	22	1,924
Total.....	6,783	1,073,718	6,930	1,158,363	6,952	1,205,565	7,192	1,260,893	7,362	1,310,468	7,469	1,333,015	7,471	1,332,094

LIST of Ports at which Vessels may be Registered, showing the Number of *New* Vessels Built and Registered in the Dominion of Canada, during the Year ended 31st December, 1879.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	Vessels.	Tons.
Chatham.....	7	1,784
Dorchester.....	1	1,156
Moncton.....	3	1,373
Richibucto.....	Nil.	Nil.
St. John.....	29	14,690
St. Andrews.....	1	12
Sackville.....	2	52
Total.....	43	19,067

PROVINCE OF NOVA SCOTIA.

Amherst.....	2	115
Annapolis.....	3	1,224
Arichat.....	Nil.	Nil.
Barrington.....	4	301
Digby.....	14	2,459
Guysboro'.....	2	50
Halifax.....	18	2,230
Liverpool.....	1	73
Lunenburg.....	12	1,758
Maitland.....	6	6,672
Parrsboro'.....	10	1,276
Pictou.....	6	1,586
Port Medway.....	2	136
Port Hawkesbury.....	Nil.	Nil.
Shelburne.....	10	982
Sydney.....	6	312
Truro.....	Nil.	Nil.
Weymouth.....	6	1,595
Windsor.....	12	11,156
Yarmouth.....	12	7,272
Total.....	126	39,208

PROVINCE OF QUEBEC.

Gaspé.....	1	16
Montreal.....	11	826
Magdalen Islands.....	1	42
New Carlisle.....	1	186
Quebec.....	15	6,351
St. Johns.....	Nil.	Nil.
Total.....	29	7,421

List of Ports at which Vessels may be Registered, showing the Number of *New* Vessels Built and Registered, &c.—*Continued.*

PROVINCE OF ONTARIO.

Name of Port.	Vessels.	Tons.
Amherstburg.....	Nil.	Nil.
Brockville.....	2	3
Belleville.....	1	12
Burwell.....	Nil.	Nil.
Chatham.....	2	100
Cobourg.....	Nil.	Nil.
Collingwood.....	1	142
Cornwall.....	1	30
Darlington.....	Nil.	Nil.
Dover.....	1	31
Goderich.....	Nil.	Nil.
Hamilton.....	Nil.	Nil.
Hope.....	Nil.	Nil.
Kingston.....	6	526
Napanee.....	3	162
Owen Sound.....	Nil.	Nil.
Ottawa.....	11	859
Picton.....	1	56
Rowan.....	1	65
Sarnia.....	Nil.	Nil.
Sault Ste. Marie.....	Nil.	Nil.
Stanley.....	4	120
St. Catharines.....	2	158
Toronto.....	5	139
Windsor.....	1	61
Whitby.....	Nil.	Nil.
Wallaceburg.....	Nil.	Nil.
Total.....	42	2,464

PROVINCE OF PRINCE EDWARD ISLAND.

Charlottetown.....	20	5,279
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PROVINCE OF BRITISH COLUMBIA.

Victoria.....	5	788
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PROVINCE OF MANITOBA.

Wianipeg.....	Nil.	Nil.
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SUMMARY.

New Brunswick.....	43	19,067
Nova Scotia.....	126	39,208
Quebec.....	29	7,421
Ontario.....	42	2,464
Prince Edward Island.....	20	5,279
British Columbia.....	5	788
Manitoba.....	Nil.	Nil.
Total.....	265	74,227

COMPARATIVE STATEMENT of New Vessels Built and Registered in the Dominion of Canada during the Years ended 31st December, 1874, 1875, 1876, 1877, 1878 and 1879.

Provinces.	1874.		1875.		1876.		1877.		1878.		1879.	
	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
New Brunswick.....	99	42,027	65	33,483	61	31,340	54	31,158	56	27,368	43	19,067
Nova Scotia.....	175	84,480	177	67,106	194	58,771	219	47,980	166	49,784	126	39,268
Quebec.....	73	20,796	102	22,825	51	17,800	62	19,253	46	10,870	29	7,421
Ontario.....	50	10,797	53	7,760	47	5,397	28	3,316	30	2,409	42	2,464
Prince Edward Island.....	88	24,634	83	19,838	62	14,571	62	17,026	38	10,382	20	5,279
British Columbia.....	5	276	.....	.....	1	121	2	204	2	45	5	788
Manitoba.....	.....	.....	.....	.....	.....	.....	3	48	1	15	.....	.....
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered.....	490	183,010	480	151,012	416	127,700	430	118,985	339	100,873	265	74,227
Add new vessel which left Quebec for registration in Germany.....	6	7,746	.....	.....	3	2,721	2	1,913	1	633	.....	.....
Total.....	496	190,756	480	151,012	420	130,901	432	120,918	340	101,506	265	74,227

STATEMENT showing the Sea-going Tonnage, and Tonnage of Steamers over 100 tons register, of each of the Maritime States of the world, taken from the *Répertoire Général* for 1879 and 1880.

Nationality.	Steamers.	Gross Tonnage of Steamers.	Net Tonnage of Steamers.	Sailing Vessels.	Net Tonnage of Sailing Vessels.	Total Net Tonnage.
British, including Canada and the Colonies.....	3,542	3,933,966	2,555,575	18,357	5,584,128	8,139,703
American.....	519	601,289	369,598	5,915	2,041,645	2,411,243
Norwegian.....	135	61,160	43,748	4,178	1,382,323	1,426,071
Canadian*.....	884	189,722	118,016	6,587	1,214,078	1,332,094
Germany.....	244	265,383	184,526	3,159	927,984	1,112,510
Italian.....	101	100,047	68,149	2,956	924,797	992,946
French.....	292	356,636	233,972	2,914	572,506	806,478
Russian.....	156	119,937	77,944	1,852	425,090	503,034
Swedish.....	194	82,725	57,520	1,921	404,376	461,896
Spanish.....	214	178,144	115,822	1,589	328,681	444,503
Greek.....	13	9,152	5,950	2,002	417,442	423,392
Dutch.....	113	120,711	81,783	1,144	340,093	421,876
Austrian.....	74	81,901	51,916	608	238,347	290,263
Danish.....	104	71,656	45,105	1,180	180,539	225,694
South American.....	80	56,222	37,313	271	94,894	132,207
Portuguese.....	16	15,237	10,381	429	99,917	110,298
Central American.....	8	4,471	2,745	150	53,602	56,347
Turkish.....	10	8,870	5,579	284	48,437	54,016
Asiatic.....	31	36,669	23,052	55	22,022	45,074
Belgian.....	31	54,924	37,647	27	10,809	48,456
Egyptian.....	18	18,893	12,293	.....	.....	12,293
Romanian.....	.....	.....	.....	16	2,680	2,680
Tunisian.....	1	1,067	726	.....	.....	726
African.....	.....	.....	.....	4	505	505
Unknown.....	1	875	525	4	2,738	3,263
Totals.....	5,897	6,179,935	4,021,869	49,015	14,103,605	18,125,474

* The figures for Canada are not added in the columns, as Canada's tonnage is included in the tonnage of Great Britain.

COASTING TRADE OF CANADA.

By the provisions of the Act 33 Vic., cap. 14, respecting the Coasting Trade of Canada, no goods or passengers can be carried by water from one port in Canada to another except in British ships, but the Governor in Council may from time to time declare that the Act shall not apply to the ships or vessels of any foreign country in which British ships are admitted to the coasting trade of such country. The Parliament of Canada was empowered to pass the Act alluded to under the provisions of the Imperial Act 32 Vic., cap. 11, intituled: "An Act for amending the law relating to the Coasting Trade and Merchant Shipping in British Possessions," which came into operation in this country on its proclamation by the Governor General, on the 23rd October, 1869.

It having been ascertained that the following countries, viz.: Italy, Germany, Netherlands, Sweden and Norway, Austro-Hungary, Denmark and Belgium, allowed British ships or vessels to participate in their coasting trade on the same footing as

their own national vessels, the ships of Italy, by Order in Council of the 13th August, 1873, those of Germany, by Order in Council of the 14th May, 1874, those of the Netherlands, by Order in Council of the 9th September, 1874, those of Sweden and Norway, by Order in Council of the 5th November, 1874, those of Austro-Hungary, by Order in Council of the 1st June, 1876, those of Denmark, by Order in Council of the 25th January, 1877, and those of Belgium, by Order in Council of the 30th September last, were admitted to the coasting trade of Canada.

REWARDS FOR SAVING LIFE.

In Supplement No. 1 will be found a list of persons to whom rewards or testimonials have been granted by the Government of Canada for humane exertions in saving life from Canadian vessels, and for generous services in caring for shipwrecked crews, and also of rewards given for saving life on the shores of Canada.

ESTABLISHMENT STAFF AT OTTAWA.

In Appendix No. 31 a statement is given showing the names of the members on the Establishment Staff of the Department at Ottawa, the rank held by each, and the amount of salary they severally received during the fiscal year ended 30th June, 1879.

OUTSIDE SERVICE.

The number of persons employed in the Outside Service on the 31st December, 1879, was as follows :—

Superintendent of Lights and Light-keepers, &c., in Ontario, and above Montreal.....	109
Officers of Agency in City of Quebec, and Light-keepers, Fog-whistle Keepers, &c., at and below Montreal, in the Province of Quebec.	200
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle Keepers, &c., in New Brunswick.....	70
Agent, Clerk, Messenger, Superintendent of Lights, Light-keepers, Fog-whistle Keepers, Attendants at Humane Establishments, &c., in Nova Scotia.....	186
Agent and Light-keepers in Prince Edward Island.....	25
Agent and Light-keepers in British Columbia.....	15
Officers and Crews of Dominion Steamers and Vessels.....	110
Inspectors of Steamboats.....	9
Examiners of Masters and Mates, and Clerk to Chairman of Board...	11
Harbour and River Police, Montreal and Quebec.....	75
Officers and Servants in Marine Hospitals.....	75
Shipping Masters.....	21

Harbour Masters.....	111
Officers of Observatories, Meteorological Observers, &c., receiving pay.....	84
Receivers of Wreck.....	30
Wharfingers.....	7
Fishery Overseers and Guardians in Ontario.....	87
do do Quebec.....	109
Officer in Charge of Fishery Protection Service, Lower St. Lawrence, and crew.....	6
Inspector of Fisheries, Overseers and Wardens in Nova Scotia.....	235
do do do New Brunswick...	115
Fishery Overseers and Wardens in Prince Edward Island.....	38
Inspector of Fisheries and Overseer in British Columbia.....	2
<hr/>	
Making a total of.....	1,730

For the previous year the number was 1,708. In addition to the 1,730 mentioned above, there are 63 Registrars of Shipping, who act under the direction and control of this Department, but are at the same time Collectors of Customs at the various Ports of Registration, and receive no salary or fees in their capacity as Registrars. There are 78 Measurers and Surveyors of Shipping at certain Ports throughout the Dominion, who act as officers of this Department, and are remunerated from their fees of office, although in addition to such office many of them hold a position in the Customs Service. Also, in addition to the above, by Orders in Council of the 21st April and 2nd December 1874, the Chief Officer of Customs at each Port in the Province of Quebec, Nova Scotia, New Brunswick, British Columbia and Prince Edward Island, where no separate Shipping Office has been established, is to be held and deemed a Shipping Master, is to receive the fees, make half-yearly returns to this Department, and act in that capacity under its instructions.

From the above statement it will be seen that there are 84 Officers of Observatories, &c., who receive pay for the performance of their duties, but in addition thereto, there are a large number of Meteorological Observers throughout the Dominion who give their services gratuitously.

I have the honour to be, Sir,

Your most obedient servant,

WM. SMITH,

Deputy Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES,

OTTAWA, 1st January, 1880.

PRELIMINARY REPORT

OF THE

COMMISSIONER OF FISHERIES.

The Honorable JAMES C. POPE,
Minister of Marine and Fisheries :

SIR,—The following preliminary Report on the Fisheries Service of Canada consists chiefly of accounts of expenditure and receipts, and tables of exports and imports of fish, during the fiscal year ended 30th June, 1879; including, also, a general statement of the approximate value of the Canadian Fisheries for the calendar year. The description of operations in the artificial propagation of fish embraces the number of young fish raised and distributed from the deposits of 1878, and the quantities of ova laid down in the course of last fall, which are now in process of hatching.

Statements of Fishery Officers for the respective Provinces, showing the condition, yield and value in detail of the Canadian Fisheries for the past year, are not yet completed. A full report of the year's transactions, with the usual Appendices, is in course of preparation, and will be submitted as soon as possible to Parliament.

PRODUCE OF FISHERIES.

The total value of the productions of the Fisheries of Canada in 1879 is reckoned, approximately, at \$13,500,000. The official figures for the preceding year amounted to \$13,215,678.83. An increase of value amounting to nearly half a million of dollars will probably be established by the past year's returns when completed.

FISH TRADE.

The statements herewith, compiled from the Trade Returns, show that the value of fish exported during the fiscal year ended 30th June, 1879, was \$7,072,203, against \$6,929,366 in 1878, being an increase of \$142,837.

STATEMENT showing the Quantity and Value of Fish and Products of Fish Exported from the Dominion of Canada to each Country during the Fiscal Year ending 30th June, 1879.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Codfish, Haddock, Ling and Pollock, dry salted		Cwt.	\$	Cwt.	\$	Cwt.	\$
	Great Britain.....	32,110	134,192	.....	.....	32,110	134,192
	United States.....	67,916	193,113	.....	.....	67,916	193,113
	Newfoundland ..	3,324	12,236	.....	.....	3,324	12,236
	British W. Indies	267,137	1,071,998	.....	.....	267,137	1,071,998
	Spanish W. Indies	212,799	828,976	.....	.....	212,799	828,976
	French W. Indies	51,605	170,558	.....	.....	51,605	170,558
	Danish W. Indies	6,096	31,873	10	55	6,106	31,928
	Hayti.....	965	4,498	.....	.....	965	4,498
	British Guiana...	36,187	152,897	.....	.....	36,187	152,897
	Dutch Guiana ...	90	402	.....	.....	90	402
	South America...	69,320	336,509	.....	.....	69,320	336,509
	Spain.....	35	229	.....	.....	35	220
Portugal.....	22,109	102,685	.....	.....	22,109	102,685	
Italy.....	35,326	146,053	.....	.....	35,326	146,053	
Madeira.....	1,870	9,121	.....	.....	1,870	9,121	
		806,889	3,195,331	10	55	806,899	3,195,386
do Wet salted....	Great Britain....	11	22	.....	.....	11	22
	United States ...	88	410	.....	.....	88	410
	British Guiana...	60	190	.....	.....	60	190
		159	622	.....	.....	159	622
do Pickled	Brls.					Brls.	
	United States....	267	820	.....	.....	267	820
	British W. Indies	60	342	.....	.....	60	342
		327	1,162	.....	.....	327	1,162
Mackerel, fresh....	Lbs.					Lbs.	
	United States ...	92,486	4,641	.....	.....	92,486	4,641
do Preserved....	Great Britain....	4,080	337	.....	.....	4,080	337
do Pickled	Brls.			Brls.		Brls.	
	Great Britain....	611	2,936	.....	.....	611	2,936
	United States ...	87,504	563,158	7,151	67,444	94,655	630,602
	British W. Indies	26,027	131,296	.....	.....	26,027	131,296
	Spanish W. Indies	20,570	81,812	.....	.....	20,570	81,812
	French W. Indies	2,666	9,809	.....	.....	2,666	9,809
	Danish W. Indies	1,802	9,045	2	20	1,804	9,065
	Hayti.....	180	852	.....	.....	180	852
	British Guiana...	2,001	10,380	.....	.....	2,001	10,380
	Dutch Guiana ...	3	12	.....	.....	3	12
Madeira.....	1	4	.....	.....	1	4	
		141,365	809,304	7,153	67,464	148,518	876,768

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Lbs.	\$		\$	Lbs.	\$
Halibut, smoked..	United States....	500	65			500	65
	French W. Indies	160	21			160	21
		660	86			660	86
Herring, fresh.....	United States....	1,596,900	7,556			1,596,900	7,556
do Pickled	Great Britain	183	544	90	414	273	958
	United States....	37,879	119,569	2,964	10,754	40,843	130,323
	Newfoundland ..	46	186			46	186
	British W. Indies	45,243	171,193			45,243	171,193
	Spanish W. Indies	21,848	71,339	23	102	21,871	71,441
	French W. Indies	2,853	8,449			2,853	8,449
	Danish W. Indies	2,439	7,375			2,439	7,375
	Hayti.....	25	75			25	75
	British Guiana ..	2,766	11,016	5	15	2,771	11,031
	Dutch Guiana...	9	29			9	29
	St. Pierre.....	4	10			4	10
	France	60	150			60	150
	Madeira	180	525			180	525
		113,515	390,460	3,082	11,285	116,597	401,745
	do Smoked.....	Great Britain....	189,740	3,865	12,000	280	201,740	4,145
United States....		3,314,663	39,124	1,000	15	3,315,663	39,139
Newfoundland...		3,550	71			3,550	71
British W. Indies		75,618	1,948			75,618	1,948
Spanish W. Indies		5,415	117			5,415	117
French W. Indies		75,927	2,283			75,927	2,283
Danish W. Indies		14,000	408			14,000	408
Hayti.....		6,500	170			6,500	170
British Guiana...		3,400	101			3,400	101
St. Pierre.....		2,260	48	30	6	2,290	54
France.....		11,810	231			11,810	231
Portugal.....		2,400	110			2,400	110
Madeira		11,585	400			11,585	400
Canary Islands..		4,500	92			4,500	92
		3,721,368	48,968	13,030	301	3,734,368	49,269
Sea Fish, other, fresh.....	Great Britain....		91				91
	United States....		16,246				16,246
			16,337				16,337

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Brls.	\$	Brls.	\$	Brls.	\$
Sea Fish, other, pickled.....	Great Britain....	425	1,391	.....	.....	425	1,391
	United States....	2,980	18,878	32	252	3,012	19,130
	British W. Indies	2,228	9,692	.....	.....	2,228	9,692
	Spanish W. Indies	252	919	.....	.....	252	919
	Danish W. Indies	28	130	.....	.....	28	130
	Hayti.....	100	530	.....	.....	100	530
	British Guiana...	57	320	.....	.....	57	320
		6,070	31,860	32	252	6,102	32,112
do Preserved....		Lbs.				Lbs.	
	Great Britain....	8,400	875	.....	.....	8,400	875
	United States....	2,160	216	.....	.....	2,160	216
	British W. Indies	1,960	200	.....	.....	1,960	200
	Australia.....	432	54	.....	.....	432	54
		12,952	1,345	.....	.....	12,952	1,345
Oysters, fresh.....		Brls.				Brls.	
	Great Britain....	107	192	.....	.....	107	192
	United States....	17	49	.....	.....	17	49
	Newfoundland...	240	434	.....	.....	240	434
	St. Pierre.....	45	75	.....	.....	45	75
		409	750	.....	.....	409	750
do Canned....		Lbs.		Lbs.		Lbs.	
	United States....	10,425	1,826	.....	.....	10,425	1,826
	British W. Indies	48	5	.....	.....	48	5
	Newfoundland...	.....	.....	168	10	168	10
	Danish W. Indies	48	7	.....	.....	48	7
		10,521	1,838	168	10	10,689	1,848
Lobsters, fresh.....		Brls.				Brls.	
	United States....	301	579	.....	.....	301	579
do Preserved..		Lbs.		Lbs.		Lbs.	
	Great Britain.....	8,056,570	841,941	402,528	37,187	8,459,098	879,128
	United States....	2,011,195	210,809	106,208	11,647	2,117,403	222,456
	British W. Indies	49,027	6,947	.....	.....	49,027	6,947
	Spanish W. Indies	48	6	.....	.....	48	6
	French W. Indies	340	35	.....	.....	340	35
	Danish W. Indies	60	8	.....	.....	60	8
	South America...	384	96	.....	.....	384	96
	Germany.....	45,500	5,754	.....	.....	45,500	5,754
	France.....	294,258	36,786	.....	.....	294,258	36,786
	Italy.....	240	120	.....	.....	240	120
	St. Pierre.....	96	10	.....	.....	96	10
	Australia.....	13,920	1,448	.....	.....	13,920	1,448
		10,471,638	1,103,960	508,736	48,834	10,980,374	1,152,794

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Brls.	\$	Brls.	\$	Brls.	\$
Bait	Great Britain.....	162	648	.....	.....	162	648
	United States.....	5	25	20	90	25	115
	St. Pierre.....	233	881	.....	.....	233	881
		400	1,554	20	90	420	1,644
Salmon, fresh.....		Lbs.		Lbs.		Lbs.	
	Great Britain.....	9,600	1,400	.....	.....	9,600	1,400
	United States.....	2,441,682	228,425	.....	.....	2,441,682	228,425
	British W. Indies	51	7	.....	.....	51	7
	Danish W. Indies	130	30	.....	.....	130	30
	St. Pierre.....	.....	.....	96	14	96	14
	2,451,463	229,862	96	14	2,451,559	229,876	
do Smoked...		Lbs.				Lbs.	
	Great Britain.....	301	45	.....	.....	301	45
	United States.....	24,979	2,701	.....	.....	24,979	2,701
	British W. Indies	575	90	.....	.....	575	90
	Danish W. Indies	690	82	.....	.....	690	82
	26,545	2,918	.....	.....	26,545	2,918	
do Canned...		Lbs.		Lbs.		Lbs.	
	Great Britain.....	3,187,774	400,265	9,200	1,360	3,196,974	401,625
	United States.....	1,354,090	165,344	.....	.....	1,354,090	165,344
	British W. Indies	648	105	.....	.....	648	105
	Newfoundland...	10,460	884	.....	.....	10,460	884
	Danish W. Indies	100	27	.....	.....	100	27
	South America...	8,640	1,080	.....	.....	8,640	1,080
	Australia.....	403,296	47,112	.....	.....	403,296	47,112
		4,965,008	614,817	9,200	1,360	4,974,208	616,177
do Pickled...		Brls.		Brls.		Brls.	
	Great Britain.....	16	146	.....	.....	16	146
	United States.....	5,483	55,080	924	9,532	6,407	64,612
	British W. Indies	1,347	14,617	.....	.....	1,347	14,617
	Newfoundland...	3	30	.....	.....	3	30
	Spanish W. Indies	63	650	.....	.....	63	650
	Danish W. Indies	78	456	.....	.....	78	456
	British Guiana...	147	1,474	.....	.....	147	1,474
	South America...	2	20	.....	.....	2	20
	Madeira	5	47	.....	.....	5	47
	Australia.....	274	2,293	.....	.....	274	2,293
	Sandwich Islan's	652	4,098	.....	.....	652	4,098
		8,070	78,911	924	9,532	8,994	88,443
Fish, all other, fresh.....	United States...	.....	133,206	.....	.....	.....	133,206
	Danish W. Indies	.....	16	.....	.....	.....	16
		.....	133,222	.....	.....	.....	133,222

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Fish, all other, pickled.....		Brls.	\$	Brls.	\$	Brls.	\$
	Great Britain	31	158	.....	.....	31	158
	United States....	1,811	10,084	300	2,640	2,111	12,724
	British W. Indies	862	3,709	.....	.....	862	3,709
	Spanish W. Indies	3	19	12	80	15	99
	Danish W. Indies	8	42	.....	.....	8	42
	Australia.....	67	477	.....	.....	67	477
Sandwich Isla'ds	8	62	.....	.....	8	62	
		2,790	14,551	312	2,720	3,102	17,271
Fish Oil, Cod.....		Galls.		Galls.		Galls.	
	Great Britain	61,240	26,305	1,470	850	62,710	27,155
	United States....	115,895	46,997	160	80	116,055	47,077
	Newfoundland...	2,608	1,304	160	150	2,768	1,454
	British W. Indies	3,371	1,326	.....	.....	3,371	1,326
	French W. Indies	90	35	.....	.....	90	35
	British Guiana...	1 530	538	.....	.....	1,530	538
		184,734	76,505	1,790	1,080	186,524	77,585
do Seal.....		Galls.				Galls.	
	Great Britain	21,645	10,410	.....	.....	21,645	10,410
	United States....	221	103	.....	.....	221	103
	British Guiana...	328	134	.....	.....	328	134
		22,194	10 647	.....	.....	22,194	10,647
do Whale....		Galls.				Galls.	
	Great Britain	3,920	2,542	.....	.....	3,920	2,542
	United States....	700	700	.....	.....	700	700
		4,620	3,242	.....	.....	4,620	3,242
do Other.....		Galls.				Galls.	
	Great Britain	120,834	34,059	.....	.....	120,834	34,059
	United States....	21,994	6,610	.....	.....	21,994	6,610
	British W. Indies	356	106	.....	.....	356	106
	British Guiana...	402	150	.....	.....	402	150
		143,586	40,925	.....	.....	143,586	40,925
Furs and Skins of Marine Animals..							
	Great Britain ....	.....	28,583	.....	300	.....	28,883
	United States....	.....	50	.....	.....	.....	50
	Newfoundland...	.....	760	.....	.....	.....	760
		.....	29,393	.....	300	.....	29,693
Other Articles the produce of the Fisheries.....							
	Great Britain ....	.....	3,899	.....	.....	.....	3,899
	United States....	.....	72,806	.....	35	.....	72,841
	British W. Indies	.....	357	.....	.....	.....	357
	Spanish W. Indies	.....	49	.....	.....	.....	49
	Danish W. Indies	.....	77	.....	.....	.....	77
		.....	77,188	.....	35	.....	77,223

STATEMENT showing the the Value of Fish, &c.—Dominion of Canada—*Continued.*

RECAPITULATION.

COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		\$		\$		\$
Great Britain.....		1,494,846		40,391		1,535,237
United States.....		1,899,190		102,489		2,001,679
Newfoundland.....		15,905		160		16,065
British West Indies.....		1,413,938				1,413,938
Spanish West Indies.....		983,887		182		984,069
French West Indies.....		191,190				191,190
Danish West Indies.....		49,576		75		49,651
British Guiana.....		177,200		15		177,215
Dutch Guiana.....		443				443
South America.....		337,705				337,705
St. Pierre.....		1,024		20		1,044
France.....		37,167				37,167
Germany.....		5,754				5,754
Spain.....		220				220
Portugal.....		102,795				102,795
Italy.....		146,173				146,173
Madeira.....		10,097				10,097
Canary Islands.....		92				92
Australia.....		51,384				51,384
Sandwich Islands.....		4,160				4,160
Hayti.....		6,125				6,125
Total.....		6,928,871		143,332		7,072,203
Total Exports of Fish to United States.....		1,899,190		102,489		2,001,679
Total Exports of Fish to other Countries.....		5,029,681		40,843		5,070,524
Grand Total.....		6,928,871		143,332		7,072,203

STATEMENT showing the Quantity and Value of Fish and Products of Fish Imported and Entered for Consumption in the Dominion of Canada from each country, also the Duty collected thereon, during the Fiscal Year ending 30th June, 1879.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
DUTIABLE GOODS.						
Fish, fresh, from Inland Waters	United States.....	Lbs. 9,888	\$ 430	Lbs. 9,888	\$ 430	\$ cts. 82 59
do Salted or smoked.....	Great Britain.....	Lbs. 12,349	1,166	Lbs. 12,349	1,166	123 49
	United States.....	32,479	1,818	31,789	1,773	318 34
	Belgium.....	200	4	200	4	2 00
	China.....	1,427	117	1,427	117	14 70
		46,455	3,105	45,765	3,060	458 53
do Oysters, in cans, fresh ...	United States.....	Lbs. 170	14	Lbs. 170	14	2 45
do do Preserved.....	United States.....		1,326		1,571	282 76
do Lobsters, preserved.....	Great Britain.....	Lbs. 720	111	Lbs. 720	111	20 81
	United States.....	19,278	969	20,378	1,020	186 55
		19,998	1,080	21,098	1,131	207 36
do Other, preserved in oil...	Great Britain.....		31,162		31,927	5,658 28
	United States.....		18,766		17,061	3,011 06
	France.....		6,422		5,634	996 87
	China.....		484		666	119 88
			56,834		55,288	9,786 08
do Oil (N.E.S)	Great Britain.....	Galls. 305	453	Galls. 305	452	79 10
	United States.....	3,476	2,622	3,476	2,622	472 74
		3,781	3,074	3,781	3,074	551 84
do do Cod Liver, Medicated	Great Britain.....	Galls. 852	865	Galls. 638	736	136 23
	United States.....	1,695	1,880	1,691	1,867	240 16
	France.....	5	16	5	16	3 20
	Norway	575	1,290	389	996	180 30
		3,127	4,051	2,723	3,615	659 89
FREE.						
Ambergris	Great Britain	Lbs. 1	20	Lbs. 1	20	.....

STATEMENT showing the Quantity and Value of Fish, Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
FREE—Continued.						
Cod, Haddock, Ling and Pollock, fresh.....	United States....	Lbs.	\$	Lbs.	\$	\$ cts.
		2,041,809	53,008	2,041,809	53,008	.....
do do Dry salted.....	United States.... Labrador.....	Cwt.		Cwt.		.....
		35,173	105,586	35,173	105,586	.....
		2,700	10,800	2,700	10,800	.....
		37,873	116,386	37,873	116,386	.....
do do Wet salted.....	United States....	Cwt.		Cwt.		.....
		61	99	61	99	.....
do do Pickled.....	United States....	Brls.		Brls.		.....
		169	911	169	911	.....
do do Smoked.....	United States....	Lbs.		Lbs.		.....
		829,086	44,136	829,086	44,136	.....
Halibut, fresh.....	United States....	Lbs.		Lbs.		.....
		8,415	436	8,415	436	.....
do Pickled.....	United States....	Brls.		Brls.		.....
		17	74	17	74	.....
Herring, fresh.....	United States....	Lbs.		Lbs.		.....
		343,793	4,546	343,793	4,546	.....
do Pickled.....	Great Britain.... United States.... St Pierre..... Labrador.....	Brls.		Brls.		.....
		6	26	6	26	.....
		1,464	4,195	1,464	4,195	.....
		83	86	83	86	.....
		100	415	100	415	.....
		1,653	4,722	1,653	4,722	.....
do Smoked.....	United States....	Lbs.		Lbs.		.....
		293,922	9,055	293,922	9,055	.....
Mackerel, fresh.....	United States....	Lbs.		Lbs.		.....
		5,897	432	5,897	432	.....
do Pickled.....	United States....	Brls.		Brls.		.....
		354	1,988	354	1,988	.....
Sea Fish, other, fresh.....	United States....	Lbs.		Lbs.		.....
		45,392	1,013	45,392	1,013	.....

STATEMENT showing the Quantity and Value of Fish, Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
		Brls.	\$	Brls.	\$	\$ cts.
FREE—Continued.						
Sea Fish, other, pickled	United States...	304	1,803	304	1,803	.....
do do Preserved	United States...	Lbs. 46,071	2,434	Lbs. 46,071	2,434	.....
do Oysters, fresh, in shell.	United States....	Brls. 1,736	7,578	Brls. 1,736	7,578	.....
do do Fresh, in cans	United States.....	Lbs. 893,396	85,541	Lbs. 893,396	85,541	.....
do do Shelled, in bulk.....	United States.....	Galls. 115,735	96,496	Galls. 115,735	96,496	.....
do Lobsters, Fresh	United States.....	Brls. 701	3,019	Brls. 701	3,019	.....
do do Fresh, in cans.....	United States.....	Lbs. 50,726	5,713	Lbs. 50,726	5,713	.....
do do Preserved, in cans.	United States....	Lbs. 14,783	2,311	Lbs. 14,783	2,311	.....
do Bait—Clams or other..	United States.....	Brls. 4,907	23,003	Brls. 4,907	23,003	.....
do Salmon, fresh.....	United States.....	Lbs. 28,242	2,407	Lbs. 28,242	2,407	.....
do do Smoked.....	United States.....	Lbs. 12,936	963	Lbs. 12,936	963	.....
do do Canned.....	United States....	Lbs. 283,692	30,216	Lbs. 283,692	30,216	.....
do do Pickled.....	United States....	Brls. 54	558	Brls. 54	558	.....
Fish, all other, fresh.....	United States.....	.....	2,420	.....	2,420	.....
do do Pickled.....	United States....	Brls. 31	138	Brls. 31	138	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
<i>FREE—Concluded.</i>						
Fish Oil,—Cod	United States	Galls. 81,773	\$ 28,066	Galls. 81,773	\$ 28,066	.....
	Newfoundland.....	186	93	186	93	.....
	Labrador	1,595	636	1,595	636	.....
		83,554	28,785	83,554	28,785	.....
do do Seal	United States.....	Galls. 16,364	8,186	Galls. 16,364	8,186	.....
do do Whale.....	United States.....	Galls. 1,810	939	Galls. 1,810	939	.....
do do Other.....	United States.....	Galls. 45,818	16,806	Galls. 45,818	16,806	.....
Furs or Skins, undressed, the produce of Fish or Marine Animals	Great Britain.....		54		54	.....
	United States		8,850		8,850	.....
	British W. Indies		34		34	.....
	Newfoundland.....		3,977		3,977	.....
			12,915		12,915	.....
Tortoise, and other Shells.....	United States.....		15		15	.....
Whalebone, unmanufactured.	United States.....	Cwt. 4	712	Cwt. 4	712	.....
PRODUCE OF NEWFOUNDLAND.						
Fish and Products of Fish, (not classified).....	Newfoundland.....		477,248		477,248	.....
Fish Oil.....	Newfoundland.....		75,996		75,996	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of
Canada—*Concluded.*

RECAPITULATION.

COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
	Dutiable.	Free.	Dutiable.	Free.	Amount Collected.
	\$	\$	\$	\$	\$ cts.
Great Britain.....	33,756	100	34,392	100	6,017 91
United States.....	27,825	553,643	26,358	553,643	4,696 64
Newfoundland.....		557,314		557,314	
France.....	6,438		5,650		1,000 07
Belgium.....	4		4		2 00
Norway.....	1,290		996		180 30
China.....	601		783		134 58
St. Pierre.....		86		86	
Labrador.....		11,851		11,851	
British West Indies.....		34		34	
Total	69,914	1,123,028	68,183	1,123,028	12,031 50
Total from United States	27,825	553,643	26,358	553,643	4,696 64
do Other Countries.....	42,089	569,385	41,825	569,385	7,334 86
Total	69,914	1,123,028	68,183	1,123,028	12,031 50
	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY COLLECTED
	\$	\$	\$	\$	\$
Total Dutiable	69,914		68,183		12,031 50
do Free	1,123,028		1,123,028		
Total Imports of Fish Products, for the year ending 30th June, 1879	1,192,942		1,191,211		12,031 50

EXPENDITURE AND RECEIPTS.

The following statements exhibit the respective amounts expended and collected during the fiscal year ended 30th June, 1879. This expenditure is subdivided for the several Provinces and services as follows:—

ONTARIO.

Fishery Overseers' salaries and disbursements.....	\$11,741 40
Fish-breeding.....	7,102 54
	<hr/>
	\$18,843 94
	<hr/>

QUEBEC.

Fishery Overseers' salaries and disbursements.....	\$13,606 06
Fish-breeding	5,772 90
Fisheries Protection Service, Gulf and Lower St. Lawrence ..	8,994 48
	<hr/>
	\$28,373 44
	<hr/>

NOVA SCOTIA.

Fishery Overseers' salaries and disbursements.....	\$11,312 76
Fish-breeding.....	2,687 44
	<hr/>
	\$17,000 20
	<hr/>

NEW BRUNSWICK.

Fishery Overseers' and Inspector of Fisheries' salaries and disbursements.....	\$10,858 64
Fish-breeding.....	1,139 00
	<hr/>
	\$11,997 64
	<hr/>

Under the head of Fish-breeding are also reckoned Mr. Samuel Wilmot's salary and travelling disbursements, being applicable to the several establishments in the Dominion..... \$2,814 62

And under the head of general disbursements is included a sum of..... 342 25

PRINCE EDWARD ISLAND.

Fishery Overseers' salaries and disbursements	\$1,243 25
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BRITISH COLUMBIA.

Inspector of Fisheries' salary and disbursements.....	\$1,423 73
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MANITOBA.

Fishery Overseer's salary.....	\$200 00
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Total Expenditure.....	\$82,319 07
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Collections during the fiscal year are arranged under the following heads:—

ONTARIO.

Rents, license fees, fines and confiscations.....	\$6,188 80
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QUEBEC.

Rents, license fees, fines and confiscations.....	6,286 07
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NOVA SCOTIA.

Fees on trap-nets, fines and forfeitures	1,796 11
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NEW BRUNSWICK.

Rents, taxes on nets, fines and forfeitures.....	3,467 36
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Total.....	\$17,738 34
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LICENSES ISSUED.

The number of Fishery Licenses issued during the season of 1879 are as follows:—

ONTARIO.

Gill-net licenses.....	272
Hoop-net do	32
Pound-net do	42
Seine do	211
Angling permits.....	1,782
Spearing licenses.....	150

QUEBEC.

Salmon-net fishing licenses.....	401
Brush Weirs do	116
Eel Weirs do	3
Seine do	191
Gill-net do	213

NEW BRUNSWICK.

Salmon net fishing licenses.....	930
Herring Weirs do	78
Bass do	343

NOVA SCOTIA.

Trap-net licenses.....	90
Weirs do	8

Total 4,862

STAFF OF FISHERY OFFICERS.

In 1879 the staff of Fishery Officers consisted of the following :—

ONTARIO—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Guardians... ..	87
QUEBEC—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Guardians	109
NOVA SCOTIA—Inspector, Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens.....	235
NEW BRUNSWICK—Inspector, Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens... ..	115
PRINCE EDWARD ISLAND—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens.....	38
BRITISH COLUMBIA—Inspector of Fisheries and Overseer....	2
GULF OF ST. LAWRENCE—Fisheries Protection Service.....	6

Making the total number of Fishery Officers now employed in the Outside Service..... 592

This regular staff receives occasional aid from lock-masters on the Government canals and lighthouse keepers, which arrangement saves employing in certain places other fishery officers at separate salaries.

REPORTS OF THE FISHERY OFFICERS.

Detailed reports of the various fishery officers engaged in the service will be printed in the Appendices. They will embrace particulars of the year's business in each fishery district, and also give details respecting the quantity and value of fish caught in sub-divisions of the respective fishery districts. They will also refer to the condition of different fishings, the state of the rivers, the observance of fishery laws, and proceedings taken for violation of the same.

FISH CULTURE.

The total expenditure on account of this service for the fiscal year ended 30th June, 1879, amounts to \$19,888.75, divided as follows among the seven establishments devoted to the artificial reproduction of fish :—

Newcastle, Ontario.....	\$4,531 31
Sandwich, do	2,571 23
Tadoussac, Quebec....	2,445 88
Gaspé Basin, do	1,569 09
Restigouche, do	1,757 93
Bedford Basin, Nova Scotia.....	2,687 44
Miramichi, New Brunswick.....	1,139 00
General disbursements, including Mr. S. Wilmot's salary and travelling expenses.....	3,186 87
	\$19 888 75

A statement in detail of this expenditure will be found at Appendix No. 30. Two new establishments were opened during the past season.

SALMON ANGLING.

The number of salmon caught by anglers is reported at 3,035. The following rivers were not angled :

Sault au Cochon, North Shore.	
Laval	do
Romaine	do
Mistassini	do
Becscie	do
Manitou	do
Moisie	do
Kegashca	do
Watsheeshoo	do
Washeccotai	do

SCHEDULE of Salmon Angling in the Leased Rivers of the Provinces of Quebec and New Brunswick, during the Season of 1879.

Names of Rivers.	No. of Salmon.	Total Weight.	Average Weight	Weight of the Largest Fish.	Weight of the Smallest Fish.	Remarks.
Du Gouffre.....	5	80	16			
Murray.....	3	81	27	31		
Ste. Marguerite, N.E. Branch.....	34	682	20	30	10	
do N.W. do.....	51					
A Mars.....	3	38	12 $\frac{3}{4}$	14	12	
Little Saguenay.....	16	206	12 $\frac{3}{4}$	22	4 $\frac{1}{2}$	
Anse St. Jean.....	9	118	13 $\frac{3}{4}$	18	7	
Sault au Cochon.....						Not angled.
Laval.....						do
Godbout.....	223	3,067	13 $\frac{3}{4}$			
Trinity.....	30	411	13 $\frac{3}{4}$	22	5	
Romaine.....						do
Mingan.....						do
Mistassini.....						do
Haccie.....						do
Manitou.....						do
Moisie.....						do
Kegashca.....						do
St. John.....	159	2,425	15 $\frac{1}{2}$	34 $\frac{1}{2}$	6	
Natashquan.....	120	1,535	12 $\frac{1}{2}$	28	7	
Washeeshoo.....						do
Washeecootai.....						do
Matane.....	22	395	18	22 $\frac{1}{2}$	11	
Little S. W. 'Bic.....	12	111	9 $\frac{1}{2}$	19 $\frac{1}{2}$	4	
St. Anne des Monts.....	98	1,972	20 $\frac{1}{8}$	36	10	
Magdalen.....	69	1,035	15			
York.....	100	2,402	24 $\frac{1}{2}$	37	9	
St. John.....	54	810	15			
Dar-mouth.....	11	192	17 $\frac{1}{2}$	24 $\frac{1}{2}$	10	
Grand.....	74	1,259	17	33	9	
Grand Pabos.....	19	304	16	26	13	
Little Pabos.....						
Bonaventure.....	58	820	14 $\frac{1}{2}$	28		
Little Cascapedia.....	21	373	17 $\frac{1}{8}$	33		
Grand Cascapedia.....	647	16,288	27	44 $\frac{1}{2}$	9	
Matapedia.....	200	3,060				
Upsalquitch.....	21	170	8	12	3	
Restigouche, Lower Division.....	154	2,216	14 $\frac{1}{2}$	44 $\frac{1}{2}$	11	
do Middle do.....	450	9,576	21 $\frac{5}{8}$	32	11	
do Upper do.....	256	5,226	20 $\frac{1}{2}$	38	27	
S. W. Miramichi.....	116	1,160	10	13	5	
Nepissiguit.....						No returns.
do (Rough Waters).....						do
Total.....	3,035	55,954	18 $\frac{1}{2}$	44 $\frac{1}{2}$	3	

FISH BREEDING.

The whole number of young fish distributed during the Spring of 1879 was 21,732,700, apportioned as follows:—

STATEMENT of the distribution of young fish at the several Breeding Establishments in the Dominion of Canada, during the Spring of 1879, from the hatching of 1878.

NEWCASTLE HATCHERY, ONTARIO.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Wilmot's Creek, Ontario.....	200,000	1,000	30,000	75,000	.....
Barber's do do	50,000	.....	.....	5,000	.....
Sapper's do do	10,000	.....	.....	5,000	.....
Duffin's do do	20,000	.....	.....	.....	.....
Lynd's do do	5,000	.....	.....	1,000	.....
Smith's do do	10,000	.....	.....	1,000	.....
Grafton do do	20,000	.....	.....	.....	.....
River Trent do do	40,000	200	.....	2,000	.....
do Saugeen do	40,000	500	.....	.....	.....
do Rouge do	10,000	.....	.....	.....	.....
do Humber do	10,000	.....	.....	.....	.....
do Credit do	20,000	.....	.....	.....	.....
do Hawkstown do	3,000	.....	.....	.....	.....
do Moira do	5,000	.....	.....	.....	.....
Lake Ontario do	100,000	.....	1,025,000	3,000	602,000
do Erie do	5,000	.....	5,000	2,000	.....
do Balsam do	5,000	.....	10,000	.....	.....
do Couchiching do	3,000	.....	10,000	.....	.....
do Simcoe do .....	.....	.....	20,000	.....	.....
do Kempenfeldt do	5,000	.....	5,000	.....	.....
do Megantic, Quebec	10,000	.....	10,000	.....	.....
do Magog do .....	.....	.....	5,000	.....	14,000
do Massawippi do .....	.....	.....	.....	.....	21,000
do Brompton do .....	.....	.....	.....	.....	21,000
do St. Charles do .....	.....	.....	.....	.....	70,000
Key Pond, Quebec .....	.....	.....	.....	.....	7,000
To Lord Exeter, England.....	10,000	.....	.....	2,000	40,000
J. C Cassel do	10,000	.....	.....	2,000	.....
Alex. Begg do	10,000	.....	10,000	2,000	25,000
Total.....	601,000	1,700	1,130,000	100,000	800,000

SANDWICH HATCHERY, ONTARIO.

In Detroit River and Lake Erie.....	12,000,000
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STATEMENT of the distribution of young fish, &c. --Dominion of Canada--Continued.

BEDFORD HATCHERY, NOVA SCOTIA.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
River Sackville, County Halifax, N.S.	200,000				
do Musquodoboit do	240,000				
do Shubenacadie do	50,000				
do Big Salmon do	20,000				
do Little Salmon do	20,000				
do Mosher do	20,000				
do Nine Mile do	20,000				
do Pennant do	20,000				
do Indian do	20,000				
do Ingraham do	20,000				
do North East do	20,000				
do Gays do	20,000				
do Meander, County Hants, N.S.	40,000				
do Windsor do	40,000				
do Kenneteook do	30,000				
do Debert do	40,000				
do Cornwallis, County Kings, N.S.	40,000				
do Gaspereaux do	40,000				
do Philip, County Cumberland, N.S.	140,000				
do Wallace do	40,000				
do Pugwash do	20,000				
do Maccan do	20,000				
do Salmon, County Colchester, N.S.	80,000				
Stewiacke	40,000				
North	40,000				
Debert	20,000				
Ingonish	20,000				
River French, County Colchester, N.S.	20,000				
do Folly do	20,000				
do East, County Pictou, N.S.	60,000				
do West do	150,000				
do Middle do	60,000				
do Sutherland do	40,000				
do Annapolis, Co. Annapolis, N.S.	50,000				
do LaHave (Head Waters), Co. Annapolis, N.S.	20,000				
Total	1,740,000				

TADOUSSAC HATCHERY, QUEBEC.

River Ste. Marguerite, Quebec	259,000				
do Petites Isles do	145,000				
do Anse St. Jean do	145,000				
do Anse à Cheval do	60,000				
do A Mars do	130,000				
do Petit Saguenay do	67,000				
do St. Anne (Montmorenci), Quebec	18,000				
do Tadoussac, Quebec	28,000				
do L'Anse à L'Eau, Quebec	30,000				
do Du Sud do	20,000				
do Little Bic do	9,000				
do Jacques Cartier do	19,000				
Fresh Water Pond	280,000				
Total	1,210,000				

STATEMENT of the distribution of young fish, &c.—Dominion of Canada—Continued.

GASPÉ BASIN HATCHERY, QUEBEC.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
River Dartmouth, Quebec	650,000				
do St. John do	360,000				
do York do	370,000				
do Malbaie do	90,000				
do Grand do	67,000				
do Pabos North do	50,000				
do do West do	10,000				
West Lake.....	8,000				
Pond, at Hatchery.....	50,000				
Total	1,655,000				

RESTIGOUCHE HATCHERY, QUEBEC.

River, Main Restigouche.....	500,000				
do Grand Cascapedia.....	120,000				
do Metapedia.....	350,000				
do Upsalquitch.....	350,000				
do Little.....	50,000				
do Little Cascapedia.....	50,000				
do Bonaventure.....	50,000				
Total	1,470,000				

MIRAMICHI HATCHERY, NEW BRUNSWICK.

River, North-west Miramichi, N.B.....	200,000				
do Main South-west do	150,000				
do Little do	120,000				
do Nappan, N.B.....	75,000				
do Black.....	75,000				
do Shediac.....	40,000				
do Tabusintac	60,000		1		
do Sevogle.....	60,000				
do Bartubog.....	60,000				
do Burnt Church.....	60,000				
do Salmon.....	40,000			8	
do Canaan.....	40,000				
do Renous.....	40,000				
Pond, at Hatchery	5,000				
Total	1,025,000				

STATEMENT of the distribution of young fish, &c.—Dominion of Canada.—*Concluded.*

RECAPITULATION.

Fish Hatcheries.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario.....	601,000	1,700	1,130,000	100,000	800,000
Sandwich do					12,000,000
Bedford, Nova Scotia	1,740,000				
Restigouche, Quebec	1,210,000				
Gaspé do	1,655,000				
Tadoussac do	1,470,000				
Miramichi, New Brunswick.....	1,025,000				
Total distribution in 1879.....	7,701,000	1,700	1,130,000	100,000	12,800,000
do do 1878.....	5,141,000	35,000	658,090	20,000	21,900,000

Salmon.....	7,701,000
California Salmon	1,700
Salmon Trout.....	1,130,000
Speckled Trout.....	100,000
Whitefish.....	12,800,000
Total in 1879.....	21,732,700
do 1878.....	27,754,000

SUMMARY OF OPERATIONS IN THE AUTUMN OF 1879.

The following numbers of Vivified Eggs were deposited in the Hatching-troughs of the several Fish Hatcheries in the Dominion, in the Fall of 1879.

Fish Hatcheries.	Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario { Lake Ontario Salmon..	309,000	1,264,000	40,000	1,200,000
..... { California do	86,000			18,000,000
Sandwich do	1,400,000			
Tadoussac, Quebec	80,000			
Gaspé do	203,000			
Moisie River do (Private Hatchery)	1,500,000		100,000	
Restigouche, Quebec	1,400,000			
Bedford, N. S.	1,000,000			
Miramichi, N. B.	320,000			
St. John River, N. B.	700,000			
Dunk River, P. E. I.				
Total number of Vivified Ova in 1879.	7,765,000	1,264,000	140,000	19,200,000
do do 1878.	8,942,000	1,840,000	169,000	16,000,000

RECAPITULATION.

Fish Hatcheries.	Number of Vivified Eggs.
Newcastle, Ontario	2,899,000
Sandwich do	18,000,000
Tadoussac, Quebec	1,400,000
Gaspé do	80,000
Moisie River do (Private Hatchery)	200,000
Restigouche, Quebec	1,600,000
Bedford, N. S.	1,400,000
Miramichi, N. B.	1,000,000
St. John River, N. B.	320,000
Dunk River, P. E. I.	700,000
Total number of Ova in 1879.	28,369,000
do do 1878.	26,951,000

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

W. F. WHITCHER,
Commissioner of Fisheries.

APPENDIX No. I

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Maintenance of Lights
above Montreal, for the Fiscal Year ended 30th June, 1879.

			\$ cts.	\$ cts.
<i>Bar Point Lightship.</i>				
Hugh Manson.....	12 months salary as Light keeper.....	\$496 25		
do	do superannuation tax.....	3 75		
			500 00	
Jno. R. Park, jun.	Taking Light-ship to Amherstburg.....		20 00	
A. Reaume	Blacksmith's repairs at do		7 75	
Wm. Borrowman	Repairing lamps		1 50	
Jno. P. Jones	15 days' carpentering and caulking.....		26 25	
Sam. McGee	Hardware		0 70	
J. P. Donaldson & Co.....	Rope, oakum, pitch, &c		14 19	
Kevill & Co.	Dockage and use of boom		25 00	
"Minnie Morton".....	Towing and placing anchors.....		50 00	
E. Chanteloup.....	Two lamps.....		16 00	
				661 39
<i>Batthewana Bay.</i>				
D. Crawford	12 months salary as Light-keeper.....	\$345 63		
do	do superannuation tax.....	4 37		
			350 00	
do	Building boat-house		36 30	
Jos. Wilson.....	To pay for glazing.....		10 00	
				396 30
<i>Battle Island.</i>				
Charles McKay	12 months salary as Light-keeper.....	\$493 75		
do	do superannuation tax	6 25		
				500 00
<i>Beauharnois.</i>				
Jos. Meloche.....	12 months salary as Light-keeper.....	\$222 19		
do	do superannuation tax	2 81		
				225 00
<i>Bois Blanc.</i>				
Andrew Hackett	12 months salary as Light-keeper.....	\$829 56		
do	do superannuation tax.....	5 44		
			835 00	
E. Chanteloup	Level reservoirs, flat wicks, burners, &c.....		95 00	
E. O. Flynn.....	Surveys for locating Light.....		43 00	
W. Smith.....	12 days' labour		21 00	
Park & Burrows.....	Lumber		59 61	
John P. Jones.....	Making spar buoy.....		18 50	
A. Reaume.....	Buoys		17 50	
				1,089 61
<i>Brown's or Knapp's Point.</i>				
P. McAvoy	12 months salary as Light-keeper		100 00	
B. M. Britton	Professional services re land		42 33	
				142 33
				3,014 63
				Carried forward.....

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			3,014	63
<i>Burlington Beach.</i>					
T. Campbell.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
do	Paid for glazing and assisting taking up buoys.....			7	00
John Parry	Repairing bracket and lock			1	25
Ticha Harris.....	Two cords of wool.....			9	00
					317 25
<i>Burnt Island.</i>					
C. Turcotte.....	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax.....	3	12		
				250	00
do	Lumber, nails, and two cords of wood			32	75
					282 75
<i>Byng Inlet.</i>					
Maganetewan LumberCo.	Attending Light and putting out buoys, for the year 1878.....				270 00
<i>Campbell's Island.</i>					
Alex. Wilson	12 months salary as Light-keeper.....	\$148	13		
do	do superannuation tax.....	1	87		
				150	00
Andrew Roy.....	Boat for Light-house.....			25	00
					175 00
<i>Chantry Island.</i>					
D. McG. Lambert	12 months salary as Light-keeper.....	\$519	88		
do	do superannuation tax	4	77		
				524	65
R. A. Lambert	do salary as Assistant, from 1st July, '78, to 18th May, '79..	\$152	32		
do	do superannuation tax	1	95		
				154	27
D. McG. Lambert.....	Shingles; new door, &c.; boat.....			75	72
James Powell.....	2 cords wood			6	00
F. Lambert.....	40 do stone, at \$5.50, \$220.00; repairing boat-house, \$15.00.....			235	00
E. Chanteloup	Reservoirs, patent burners, chimneys, &c.....			121	80
					1,117 44
<i>Cherry Island.</i>					
E. S. Johnson.....	12 months salary as Light-keeper.....	\$441	69		
do	do superannuation tax.....	5	31		
				447	00
do	To pay G. W. Robinson for lumber	\$71	62		
do	30 cords stone, at \$4.00.....	120	00		
				191	62
A. Dubreuil.....	Ladders and painting.....			10	50
E. Chanteloup.....	Lamp			8	00
					657 12
<i>Christian Island.</i>					
John Hoar.....	12 months salary as Light-keeper.....	\$429	69		
do	do superannuation tax.....	5	31		
					435 00
	Carried forward.....			6,269	19

**STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.**

		\$	cts.	\$	cts.
Brought forward				6,269	16
<i>Clapperton Island.</i>					
B. B. Baker.....	12 months salary as Light-keeper.....	\$345	62		
do	do superannuation tax	4	38		
do	Ladders.....		350	00	
			5	00	
				355	00
<i>Cole Shoal.</i>					
Richard Elliott.....	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax	3	12		
				250	00
<i>Collingwood.</i>					
R. Doherty.....	12 months salary as Light-keeper.....	\$197	50		
do	do superannuation tax.....	2	50		
do	To pay for boat and expenses.....		200	00	
J. Henderson.....	Ruby glass, blocks, &c.....		65	00	
			5	13	
				270	13
<i>Coteau Landing.</i>					
E. B. Prieur	12 months salary as Light-keeper.....			140	00
<i>Deep River Island.</i>					
Owen Smith.....	12 months salary as Light-keeper.....		100	00	
do	Paid for coal oil and brooms.....		15	02	
				115	02
<i>Dorval Light.</i>					
Benj. Gloude.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
E. Chanteloup	Lamps, &c.....		300	00	
T. Duchesneau.....	2 cords wood.....		17	00	
Andrew Wilson.....	Advertising for tenders in <i>Orange Lily</i>		10	50	
Duvernay Irères & Cie....	do do <i>La Minerve</i>		3	10	
Montreal Gazette.....	do do <i>Ottawa Herald</i>		5	27	
W. H. Nagle.....	do do <i>Citizen</i>		5	27	
Citizen Printing Co.....	do do		5	27	
Montreal Star.....	do do		6	20	
La Gazette d'Ottawa.....	do do		4	03	
W. P. Anderson	Travelling expenses.....		9	60	
R. Cameron.....	On account contract		1,000	00	
				1,371	51
<i>False Ducks.</i>					
F. Swetman.....	12 months salary as Light-keeper.....	\$429	69		
do	do superannuation tax.....	5	31		
do	Paid freight of chimneys, &c.....		435	00	
James T. Allen.....	Freight of materials.....		1	25	
W. McRossie.....	Lumber.....		20	00	
R. M. Horsey.....	Paint, brushes, putty, &c.....		43	40	
E. Chanteloup.....	8 lamps, burners, &c.....		70	31	
			72	00	
				641	96
Carried forward				8,512	81

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			8,512	81
<i>Fort William Range Lights.</i>					
D. Morrison.....	12 months salary as Light-keeper.....	\$197	50		
do	do superannuation tax.....	2	50		
				200	00
do	Building oil shed.....			45	50
French & Kennedy.....	Repairing oil tanks.....			1	25
					246 75
<i>French River.</i>					
Ed. Borron, jun.	12 months salary as Light-keeper.....	\$493	75		
do	do superannuation tax.....	6	25		
				500	00
J. C. Noble.....	Freight on oil from Kingston.....			3	50
E. Chanteloup.....	3 lamps, sun burners, &c.....			24	00
					527 50
<i>Frenchman's Bay.</i>					
Jas. McLellan, jun.....	12 months salary as Light-keeper.....			100	00
do	Freight on boat, &c.....			7	15
L. Lachapelle.....	Boat, &c.....			35	00
					142 15
<i>Gananoque Narrows.</i>					
Cornelius Cook.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
W. McRossie.....	Lumber.....			8	50
E. Chanteloup.....	6 lamps.....			48	00
					456 50
<i>Gin Rock.</i>					
Israel Mundy.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
do	Paid for bags, pails and boat hire.....			11	26
					311 26
<i>Gibraltar Point.</i>					
Geo. Durnan.....	12 months salary as Light-keeper.....	\$529	69		
do	do superannuation tax.....	5	31		
				535	00
Wheeler & Bain.....	Iron for smoke-pipe and chimney-top			6	44
J. Foster & Sons.....	Oil, canvas, cement and nails			114	70
Colwell Bros.....	Lumber			21	73
P. Carroll.....	On account repairs, labour and placing lantern on site			499	23
do	Balance for inspecting and travelling expenses.....			23	43
E. Chanteloup.....	Lantern reflectors, &c.....			1,465	97
J. B. Smith.....	Lumber			70	38
Geo. Durnan.....	Use of scow, 24 days, \$57.34; 6 days' board of Inspector, \$9.00.....			66	24
T. Tinning.....	Coal oil barrel, and use of block.....			7	80
J. Buckley.....	Tools, boat-line and labor.....			13	90
					2,824 82
<i>Glengarry.</i>					
Mrs. K. McLachlin (act'g)	12 months salary (acting) Light-keeper.....			200	00
Wm. Chisholm.....	Professional services.....			55	44
				255	44
	Carried forward				13,921 79

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....		255 44	13,921 79
<i>Glengarry—Concluded.</i>			
J. K. McLachlin	Painting	16 00	
E. Chanteloup.....	1 doz. mammoth flat-wick burners.....	11 00	
			282 44
<i>Goderich Light.</i>			
G. N. McDonald	12 months salary as Light-keeper.....	\$395 00	
do	do superannuation tax.....	5 00	
		400 00	
Wm. Lee.....	Barrel of salt.....	0 80	
Jas. Saunders.....	Chimneys.....	11 30	
E. Chanteloup.....	Silber burners, chimneys, wicks, &c	108 25	
H. Marlton.....	Repairs to the south end of breakwater.....	19 87	
G. N. McDonald.....	Paid for lumber for repairing fences	13 15	
			551 37
<i>Green Shoal.</i>			
A. Laberge.....	12 months salary as Light-keeper.....	\$247 00	
do	do superannuation tax.....	3 00	
		250 00	
Wm. Miles.....	Freight and wharfage	0 60	
			250 60
<i>Grenadier Island.</i>			
Albert Root.....	12 months salary as Light-keeper.....	\$246 88	
do	do superannuation tax.....	3 12	
		250 00	
do	Paid for repairs	8 36	
W. P. Daily.....	Freight on oil from Kingston.....	0 50	
			258 86
<i>Great Duck Island.</i>			
Wm. Purvis.....	12 months salary as Light-keeper.....	\$493 75	
do	do superannuation tax.....	6 25	
		500 00	
W. P. Daily.....	Freight on fire engine and oil.....	5 56	
S. Marks.....	Lumber, shingles, nails, &c.....	71 50	
E. Chanteloup.....	Lamps, burners, chimneys, dies, &c.....	192 60	
			769 66
<i>Griffith Island.</i>			
Vesey C. Hill.....	12 months salary as Light-keeper.....	\$429 69	
do	do superannuation tax.....	5 31	
		435 00	
do	Repairs, lamps, oil, &c.....	78 49	
Eiw. Hill.....	2 cords wood.....	5 00	
			518 49
<i>Grosse Point.</i>			
Wm. Shannon	12 months salary as Light-keeper.....	\$429 69	
do	do superannuation tax.....	5 31	
		435 00	
Geo. Shannon.....	do salary as Assistant.....	\$172 82	
do	do superannuation tax.....	2 18	
		175 00	
Wm. Shannon.....	Cedar and labour for bow of scow.....	13 76	
Louis Depocase.....	Iron for do	3 15	
Jas. Clark.....	2 cords of wood.....	8 00	
			634 91
Carried forward.....			17,188 12

**STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.**

		\$ cts.	\$ cts.
Brought forward.....			17,188 12
<i>Gull Island.</i>			
R. Roddick.....	12 months salary as Light-keeper.....	\$493 75	
do	do superannuation tax.....	6 25	
do	Putting in stone, floating timber, building pier, &c.....	500 00	
do	4 tons coal	415 30	
Mulholland & Brown.....	Hardware.....	22 00	
Wm. Stevenson.....	Lamp.....	6 36	
E. Chanteloup.....	Lamps, reflectors, burners, &c.....	1 40	
		684 25	1,629 31
<i>Hamilton's Island.</i>			
John Hamilton.....	12 months salary as Light-keeper.....	120 00	120 00
<i>Head of Duchesne Rapids.</i>			
M. Murphy.....	12 months salary as Light-keeper.....	100 00	
do	Paid for oars, pitch, paint, &c.....	2 35	102 35
<i>Isle of Coves.</i>			
Geo. Currie.....	12 months salary as Light-keeper.....	\$637 00	
do	do superannuation tax.....	13 00	
do	Paid for boat	650 00	
		50 00	700 00
<i>Isle Perrault.</i>			
E. Madore.....	Salary as Light-keeper, from 19th June, 1878, to 9th September, 1878	11 37	
Henri Robillard.....	Salary, from 10th September to 30th June.....	49 67	
W. P. Anderson.....	Travelling expenses, locating new pier.....	15 55	
D. Leboan.....	Lamp, sponges, &c.....	2 55	79 14
<i>Killarney.</i>			
Philomon Proulx.....	12 months salary as Keeper.....	\$493 75	
do	do superannuation tax.....	6 25	
do	On account of material and labour, repairing Lighthouse.....	500 00	
P. R. DeLemerandine.....	Iron work on boat.....	75 00	
J. & C. Noble.....	Chimneys and freight.....	1 25	
		3 00	579 25
<i>Kincardine.</i>			
Wm. Kay	12 months salary as Light-keeper.	\$197 50	
do	do superannuation tax	2 50	
do	Painting and repairing deck and cupola	200 00	
Geo. Sturgeon.....	Chimneys, wicks and repairing boat	17 86	
		4 48	222 34
Carried forward.....			20,620 21

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.				20,620	51
<i>Lachine Pier and Lake St. Louis Lightship No. 1.</i>					
John Norton.....	12 months salary as Light-keeper.....	\$444	37		
do	do superannuation tax	5	63		
do	Paid for anchor, cooking stove, rope, &c.....			450	00
Jos. Tomlinson.....	Travelling expenses and paid towards raising Lightship.....			84	01
H. S. A. Ormond.....	Paid Look-keeper's travelling expenses and telegrams.....			72	37
Gaherty, Frechette & Co. do	Raising Lightship as per contract.....			10	83
J. B. Beaudoir.....	Contract for lifting Lightship			500	00
do	Placing Lightship on slip			500	00
M. Graburn.....	Hauling and placing mast			150	00
Stephen St. Denis.....	Travelling expenses			112	00
E. Chanteloup.....	Taking in Lightship and use of barges.....			16	50
do	Lantern, chimneys, wicks and burners.....			120	00
Montreal Gazette.....	Brass lantern, burners and chimneys.....			9	60
Montreal Star.....	Advertising for tenders for repairing.....			852	29
Thos. Chapman.....	do			5	10
Sincennes, McNaughton & Co.....	Raising and repairing			6	00
Steamer "Traveller".....	Contract for placing and conveying supplies			1,303	00
	Replacing Lightship.....			145	00
				158	00
				4,494	70
<i>Lake St. Louis Lightship No. 2.</i>					
O. Madore.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax	3	75		
Stephen St. Denis.....	Taking in Lightship and use of barges			300	00
				120	00
<i>Lake St. Louis Lightship No. 3.</i>					
O. Vaudry.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax	3	75		
Stephen St. Denis.....	Taking in Lightship and use of barges.....			300	00
				120	00
<i>Lamb Island.</i>					
John Michaelson	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax	3	75		
E. Chanteloup.....	6 lamps, flat-wick burners			300	00
				48	00
<i>Lindoe Island.</i>					
Jno. Wallace.....	12 months salary as Light-keeper... ..	\$246	88		
do	do superannuation tax	3	12		
do	Repairs to dwelling			250	00
				100	00
<i>Long Point.</i>					
H. H. Woodward.....	12 months salary as Light-keeper.....	\$429	69		
do	do superannuation tax	5	31		
E. Chanteloup.....	Brass wheel for revolving machine			435	00
James Lowe	6 cords of stone.....			5	00
Wm. Harrison	Painting.....			36	00
				25	00
				501	00
Carried forward.				27,154	21

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			27,154	21
	<i>Little Current.</i>				
D. McKenzie.....	12 months salary as Light-keeper.....	\$345	63		
do.....	do superannuation tax.....	4	37		
				350	00
do.....	Repairs to dwelling-house.....			77	36
Wm. Watt.....	Oars.....			2	00
					429 36
	<i>Lancaster Bar.</i>				
G. H. Johnson.....	12 months salary as Light-keeper.....	\$321	88		
do.....	do superannuation tax.....	3	12		
				325	00
do.....	Repairs to Lighthouse.....			36	84
E. Chantelaup.....	Reflector, &c.....			15	00
					376 84
	<i>Lancaster Pier.</i>				
T. H. Hill.....	12 months salary as Light-keeper.....	\$296	25		
do.....	do superannuation tax.....	3	75		
				300	00
Grand Trunk Railway Co	Freight on box.....			0	35
Neil McGillis.....	Repairing oil tank.....			2	50
Citizen Printing Co.....	Advertising for tenders for ballasting.....			6	69
Kingston Daily News.....	do do.....			9	92
H. S. Macdonald.....	do do.....			4	00
James McDougall.....	Stone—100 cords at \$2.25, \$235; and 75 cords at \$3. \$225.....			460	00
S. Faulkner.....	8 days' labour removing ice.....			8	00
T. H. Hill.....	Repairing and painting Lighthouse.....			32	80
					824 17
	<i>Lonely Island.</i>				
D. Solomon.....	12 months salary as Light-keeper.....	\$444	37		
do.....	do superannuation tax.....	5	63		
				450	00
E. Chanteloup.....	5 lamps, burners, etc.....			70	00
					520 00
	<i>L'Original.</i>				
R. G. Campbell.....	12 months salary as Light-keeper.....				100 00
	<i>Lake Memphremagog.</i>				
* E. Chanteloup.....	Oil cans, etc.....				27 50
	<i>Manitoulin Island.</i>				
Wm. Cullis.....	12 months salary as Light-keeper.....	\$395	00		
do.....	do superannuation tax.....	5	00		
Receiver-General, Credit				400	00
Indian Funds.....	Land for site.....			70	00
Wallace Hill.....	Boat sails, anchor, etc.....			120	00
A. Lewin.....	Plastering and painting.....			32	50
					622 50
	<i>Meaford.</i>				
S. Dutcher.....	12 months salary as Light-keeper.....				75 00
	Carried forward.....				30,129 58

* Should have been charged to Lights, Montreal District.

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				30,129	58
<i>McKie's Point.</i>					
A. McDonald.....	12 months salary as Light-keeper.....	\$172	81		
do	do superannuation tax.....		2 19		
				175	00
E. Chanteloup.....	Silber burners, chimneys, wicks, etc.....			189	05
<i>Michael's Point.</i>					
R. A. Lyon & Co.....	12 months salary as Acting Keepers.....			250	00
do	Lathing and plastering.....			30	00
J. W. Chisholm.....	Freight of lamp from Collingwood.....			0	45
					280 45
<i>Middle Island.</i>					
L. S. Brown	12 months salary as Acting Light-keeper.....			100	00
do	Repairs to Lighthouse.....			82	00
					182 00
<i>McKillop's Point, Port Lewis.</i>					
Damase Caza.....	12 months salary as Light-keeper.....			115	00
E. Chanteloup.....	Mammoth burners			5	63
					120 63
<i>McTavish Point.</i>					
James Geegan.....	12 months salary as Light-keeper			100	00
do	Paid for paint, oil, painting and freight.....			31	03
do	Boat.....			12	00
					143 03
<i>Michipicoten Island.</i>					
P. McIntyre	12 months salary as Light-keeper.....	\$629	57		
do	do superannuation tax.....		5 43		
				635	00
do	Attending to buoys, sheet iron and stands			35	00
H. M. Clelland.....	Iron pipe and oil can.....			2	10
J. W. Appleton.....	Lumber.....			1	67
					673 77
<i>Mohawk Island.</i>					
R. H. Smithers.....	12 months salary as Light-keeper.....	\$405	00		
do	do superannuation tax		5 00		
				410	00
do	Pipes, lantern, etc			2	95
					412 95
<i>Muskoka or Fox Island.</i>					
J. C. Darke.....	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax.....		3 12		
				250	00
do	Freight and cartage, painting tower, etc.....			18	50
G. P. McKay.....	Digging well, cylinder, etc.....			50	00
P. E. Drake.....	Pails, stove-pipes and elbows.....			2	80
					321 30
Carried forward					32,627 76

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—*Continued.*

		\$	cts.	\$	cts.
		Brought forward.....			32,627 76
<i>Nottawasaga Island.</i>					
Geo. Collins.....	12 months salary as Light-keeper.....	\$588	00		
do	do superannuation tax.....	12	00		
				600	00
H. M. Clelland.....	Repairs to iron piping and brass work.....			1	50
T. Lynden.....	3 cords wood.....	\$3	50	10	50
J. Tomlinson.....	Travelling expenses.....			73	75
W. R. Anderson & Co.....	Stove.....			7	40
R. Burdett.....	Building chimney to kitchen.....			15	00
Jos. White.....	On account repairs to breakwater.....			750	00
					1,458 15
<i>Nine Mile Point.</i>					
A. Dunlop.....	12 months salary as Light-keeper.....	\$395	63		
do	do superannuation tax.....	4	37		
				400	00
W. McRossie.....	Lumber.....			30	11
					430 11
<i>Oakville Pier.</i>					
R. K. Chisholm.....	12 months salary as Light-keeper.....	\$197	50		
do	do superannuation tax.....	2	50		
					200 00
<i>Owen Sound (Presqu' Isle).</i>					
J. McKenzie.....	12 months salary as Light-keeper.....				100 00
<i>Owen Sound.</i>					
Alf. J. Spencer.....	Amount paid for maintenance of Range Lights.....				100 00
<i>Penetanguishene.</i>					
P. Kilrairie.....	12 months salary as Light-keeper.....	\$148	13		
do	do superannuation tax.....	1	87		
				150	00
E. Chanteloup.....	Fog Horn.....			5	00
					155 00
<i>Parry Sound.</i>					
William McGown.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
Wm. Watts.....	Duck sails, etc., for boat.....			30	00
					330 00
<i>Pelé Island.</i>					
Jas. Cummins.....	12 months salary as Light-keeper.....	\$429	69		
do	do superannuation tax.....	5	31		
				435	00
do	Labour and painting portico.....			5	00
E. Chanteloup.....	2 lamps, circular burners, etc.....			30	00
					470 00
Carried forward.....					35,871 02

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				35,871	02
<i>Point Claire Lightship No. 1.</i>					
Moise Leclerc.....	12 months salary as Light-keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
do	15 toise stone for pier.....			135	00
					435 00
<i>Point aux Anglais.</i>					
E. Charlebois.....	12 months salary as Light-keeper.....	\$197	50		
do	do superannuation tax.....	2	50		
					200 00
<i>Point Peter.</i>					
Jas. Burlingham.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
Jno. Richards.....	Rope and hardware.....			5	40
					405 40
<i>Point Pelé Reef.</i>					
Wm. A. Grubb.....	12 months salary as Light-keeper.....	\$493	75		
do	do superannuation tax.....	6	25		
				500	00
Darius Smith.....	Pay-list for labour, carpenters, masons, etc.....			260	50
P. Carroll.....	do do do			1,208	48
do	Wages for superintending, travelling expenses, etc.			258	24
M. Graburn.....	Travelling expenses and sundry expenses.....			72	05
Fraser & Battle.....	55 barrels cement			60	50
E. Foster.....	Repairing lamps, cooking stove, etc.....			58	50
J. E. Snider	Lumber, oak, and teaming.....			467	36
J. & M. Soper.....	2 cords wood.....	\$2	75	5	50
T. Robson	Towing lumber, teaming, etc.....			32	00
Pulford & Colson.....	Rope, etc.....			27	34
Jas. Edwards.....	Conveying Capt. Graburn, towing timber, etc.....			91	75
do	Boarding workmen, etc.....			43	95
S. Wigle & Son	Hardware, coal, paint, etc.....			65	43
Geo. Russell.....	Planking.....			39	19
J. Richards.....	Shingles, lumber, etc.....			52	15
Jas. Cummins.....	Stone and materials for storehouse.....			271	00
J. H. Vangant.....	Force pump and fittings.....			70	50
Jas. Mooney.....	Boat hire.....			2	00
Jos. Neveaux & Bros.....	Iron, steel, coal, files, &c.....			25	12
H. Cunningham.....	Boat, sails and oars.....			50	00
J. Laframboise.....	Conveying timber.....			31	00
E. Chanteloup.....	Fog-horn.....			5	00
					3,697 56
<i>Point aux Pins.</i>					
W. G. Foote.....	12 months salary as Light-keeper.....	\$148	13		
do	do superannuation tax.....	1	87		
					150 00
<i>Port Dalhousie.</i>					
Wm. Woodall.....	12 months salary as Keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
do	Paid freight on glass, &c.....			8	62
Alfred Timbrock.....	2 cords wood.....			10	00
J. Gregory	Turpentine, lead, &c.....			7	75
					40,758 98
Carried forward					

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				40,758	98
<i>Port Dalhousie—Concluded.</i>					
Burrow, Chatfield & Co.	Lamp and chimneys	6	50		
E. Chanteloup.....	Silber-burner tubes, chimneys, wicks, &c.....	177	30		
				510	17
<i>Port Maitland.</i>					
Fergus Schofield	12 months salary as Keeper	\$345	63		
do	do superannuation tax.....	4	37		
				350	00
<i>Port Dover.</i>					
Henry Morgan.....	12 months salary as Keeper.....	\$256	75		
do	do superannuation tax.....	3	25		
				260	00
<i>Port Colborne.</i>					
D. H. A. Fortier	12 months salary as Keeper, 9 months at \$400, \$296.25; 3 months at \$500, \$123.75	\$420	00		
do	12 months superannuation tax	5	00		
				425	00
Ottawa Free Press	Advertising for tenders.....	3	00		
Wm. Flinn	2 cords wood	9	00		
H. Bell	Repairs and alterations to Fog-alarm.....	7	55		
Hann & Mathews.....	Oil, coal, paint, hardware, &c.....	55	69		
W. Anderson.....	Assistance at Fog-alarm repairs.....	46	75		
E. Chanteloup.....	Silber burners, frame and ruby glass, chimneys, wicks, &c.	283	85		
E. Fortier	Paid for tubes, &c.....	1	70		
A. Abbey & Sons.....	Boat and oars.....	41	70		
Jno. Eisenhaus	Fire hoe and stay-rods.....	4	50		
S. Burrow.....	2 brass plugs	1	00		
				879	54
<i>Port Stanley.</i>					
Chas. Ead.....	12 months salary as Keeper.....	\$296	25		
do	do superannuation tax	3	75		
				300	00
Jno. Edgcombe.....	Repairing Light	8	00		
				308	00
<i>Pigeon Island.</i>					
Mrs. J. W. Davis.....	12 months salary as Acting Keeper..	300	00		
do	2 cords wood	10	00		
W. H. Smithers.....	Lengthening and painting boat, &c.....	56	10		
				366	10
<i>Porphyry Point.</i>					
Donald Ross	12 months salary as Keeper.....	\$395	00		
do	do superannuation tax	5	00		
				400	00
E. Chanteloup.....	Lamps, flat-wick burners, &c.....	34	80		
				434	80
Carried forward				43,867	59

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....				43,867	59
<i>Port Burwell.</i>					
Alex. Sutherland	12 months salary as Keeper.....	\$222	50		
do	do superannuation tax.....	2	50		
				225	00
Wm. Backhouse.....	Glazing and painting.....			25	02
					250 02
<i>Presqu' Isle Main Light.</i>					
W. Henry Sherwood	12 months salary as Keeper.....	\$370	31		
do	do superannuation tax.....	4	69		
				375	00
G. B. Simpson	Buoy-anchors, chains, freight and cartage.....			30	21
do	20 cords stone, \$100; freight, \$1.80.....			101	80
A. B. Perry.....	Balance for survey, etc., of land.....			225	30
Jno McKenzie.....	Painting and repairs.....			25	00
H. W. Simpson.....	On account of repairs.....			2	00
Kemp Bros.....	Glass, putty and hardware.....			12	81
G. R. Davidson.....	Glass, lumber, etc.....			33	86
W. H. Sherwood.....	Materials for fencing.....			28	00
D. Claus.....	Building boat.....			35	00
R. Chantelop.....	Inside copper dome.....			20	00
					888 98
<i>Point à Cadieux.</i>					
Felix Valois	12 months salary as Keeper.....	\$197	50		
do	do superannuation tax.....	2	50		
				200	00
do	Linen bags, soap, freight and cartage.....			3	34
					203 34
<i>Point Clark.</i>					
John Young	12 months salary as Keeper.....	\$429	69		
do	do superannuation tax.....	5	31		
					435 00
<i>Point Pleasant.</i>					
John Prinyer.....	12 months salary as Keeper.....	\$296	25		
do	do superannuation tax.....	3	75		
				300	00
Ottawa Herald Co.....	Advertising for tenders for removing foundation...			3	00
E. B. Pense	do do do			3	60
G. Newlands & Son	Removing old and building new foundation, as per contract.....			625	00
John Prinyer.....	Overlooking during the above.....			35	00
do	Building platform round base of Light.....			34	31
do	Paid for making bolts and cutting iron.....			27	70
F. T. Wright.....	17 cords stone.....			51	00
W. McRossie.....	Lumber.....			5	50
					1,085 11
<i>Range Lights and Buoys, Presqu' Isle.</i>					
G. B. Simpson.....	12 months salary as Keeper.....	\$370	31		
do	do superannuation tax.....	4	69		
					375 00
<i>River Thames.</i>					
Thomas Carter.....	12 months salary as Keeper.....	\$429	69		
do	do superannuation tax.....	5	31		
					435 00
Carried forward.....				47,540	04

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$	cts.	\$	cts.
		Brought forward			47,540 04
<i>Rondeau Harbour.</i>					
Thomas Harrison.....	12 months salary as Keeper.....	\$395	00		
do	do superannuation tax.....		5 00		
do	To pay for 161 cords stone, at \$4.25.....		400 00		
do	Putting in stone at breakwater and cutting road ...		684 25		
do	Travelling expenses, freight, cartage, etc		171 31		
Joseph White	Contract for building break water and extras.....		39 32		
Jno. Stewart.....	Railing in front of house.....		861 57		
E. Chanteloup.....	Reflector, chimneys, burners and wicks		12 00		
Laing & Ruth.....	Copper piping for chimney.....		148 40		
			10 09		2,326 94
<i>St. Anne Bout de l'Isle, Caron's Point.</i>					
A. Caron.....	12 months salary as Keeper.....		60 00		
Steamer "Louise".....	Freight of oil tank, etc.....		1 00		
					61 00
<i>St. Anne Bout de l'Isle, S.E. and N.W. Passage.</i>					
A. Deschamps	Salary from 1st July to 9th September, 1878.....		19 45		
Jos. Piton	do 10th Sept., 1878, to 23rd May, 1879.....		35 95		
A. St. Denis	do 10th do to 22nd do		35 95		
A. Deschamps	do 19th May, 1879, to 30th June, 1879.....		10 68		
do	Boat, and box for lamp glasses.....		19 50		
E. Chanteloup	Lantern, wicks, etc.....		95 24		216 77
<i>Scotch Bonnet.</i>					
Robt. Pye.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax		5 00		
Wm. McRossie.....	Lumber.....		400 00		
J. O. Simpson	Boat for Light-keeper.....		5 00		
			35 00		440 00
<i>Ste. Placide.</i>					
C. Gauthier	12 months salary as Light-keeper.....				100 00
<i>Salmon Point.</i>					
Peter Huff.....	9 months salary as Light-keeper.....	\$222	18		
do	do superannuation tax.....		2 82		
			225 00		
Louis Hudgins.....	3 do salary as Light-keeper.....	\$74	07		
do	do superannuation tax.....		0 93		
			75 00		
Isaac P. Wait.....	Repairing lamps		1 00		
L. T. Vance.....	Freight on reflectors from Montreal.....		2 09		
C. B. Allison.....	Burners.....		3 90		
J. N. Carter.....	Repairing reflectors.....		1 35		
E. Chanteloup	Lamps, patent burners, etc.....		144 95		
					453 29
<i>Snake Island.</i>					
N. T. Orr.....	12 months salary as Light-keeper.....	\$489	69		
do	do superannuation tax		5 31		
			495 00		
Carried forward			495 00		51,138 04

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.		495 00	51,138 04
<i>Snake Island—Concluded.</i>			
H. Deryaw.....	2 cords wood	8 00	
W. McRossie.....	Lumber	19 76	
R. M. Horsey.....	Hardware	47 57	
			570 33
<i>Sulphur Island.</i>			
Wm. Shepherd.....	12 months salary as Light-keeper.....	\$321 25	
do	do superannuation tax.....	3 75	
		325 00	
do	To pay for boat, \$80.00; repairs, \$10.00.....	90 00	
T. Marks & Bros.....	Boat hire, repairing and assisting to put up lamps..	14 00	
Fire Extinguisher Co'y...	Chemicals, \$4.50; freight, 40 cts.	4 90	
			433 90
<i>Southampton Range.</i>			
D. Cascaden.....	12 months salary as Light-keeper.....	\$148 13	
do	do superannuation tax.....	1 87	
			150 00
<i>Spectacle Shoal.</i>			
John Buck.....	12 months salary as Light-keeper.....	\$553 00	
do	do superannuation tax.....	7 00	
			560 00
<i>Thunder Cape.</i>			
D. McEachen.....	12 months salary as Light-keeper.....	\$493 75	
do	do superannuation tax.....	6 25	
		500 00	
do	Paid for repairing Light, stove-pipe, freight, etc...	52 28	
French & Kennedy.....	Chimney, ventilator, and repairing burners.....	12 00	
Wm. Watts.....	Oars	2 00	
M. Street & Bro.....	Padlock, paint and brushes.....	2 60	
G. A. Grahame.....	Plank and nails.....	8 35	
Amos Wright.....	Boat and sails.....	50 00	
E. Chanteloup.....	Reflectors, chain, etc.	40 00	
			667 23
<i>Telegraph Island.</i>			
Jno. Mason.....	12 months salary as Light-keeper.....	\$197 50	
do	do superannuation tax.....	2 50	
		200 00	
Manly E. Way.....	Repairing and painting	1 75	
			201 75
<i>Victoria Island.</i>			
Francis Levan.....	12 months salary as Light-keeper.....		100 00
<i>Weller's Bay.</i>			
Reuben Young.....	12 months salary as Light-keeper.....	\$148 13	
do	do superannuation tax.....	1 87	
			150 00
Carried forward.....			53,971 25

STATEMENT of Expenditure on account of Maintenance of Lights above
Montreal, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward			53,971 25
<i>Way Shoal (Ottawa River).</i>			
A. Mongeon.....	12 months salary as Light-keeper.....	100 00	
A. Laberge.....	Cartage on supplies.....	1 50	
			101 50
<i>Windmill Point.</i>			
Bernard Kean.....	12 months salary as Light-keeper.....	\$148 13	
do	do superannuation tax.....	1 87	
		150 00	
Nelson Willard.....	Hardware, turpentine, putty, glass, etc.....	13 97	
			163 97
<i>Wolfe Island.</i>			
Robt. Gillespie.....	12 months salary as Light-keeper.....	\$246 88	
do	do superannuation tax.....	3 12	
		250 00	
W. Lewis & Son.....	Cotton duck and nails	11 84	
R. M. Horsey.....	Hardware	21 32	
W. McRossie.....	Lumber	66 46	
			349 62
GENERAL ACCOUNT.			
Darius Smith.....	12 months salary as Superintendent	\$1,176 00	
do	do superannuation tax.....	24 00	
		1,200 00	
do	Pay-list for labour, general repairs and travelling expenses.....	1,364 10	
D. Phelan.....	5,800 lbs. soap, at 6 cents	348 00	
Wm. Clendenning.....	Stoves.....	131 85	
H. S. A. Ormond.....	To pay freight and charges on glass	16 45	
Union Glass Co.....	Chimneys, &c.....	400 43	
E. Chanteloup.....	Silber burners, testing lamps, iron buckets, lamp trimmers, reservoirs, &c.....	3,049 02	
Lymans, Clare & Co.....	White lead, oil, &c.....	378 84	
R. M. Horsey.....	Refitting cistern.....	32 25	
St. L. & O. Railway Co.....	Freight on oil and lantern.....	12 12	
E. R. Kimpton.....	Marine glasses, £40 10s.....	197 09	
Steamer "Celtic" and owners.....	Delivering Lighthouse supplies, as per contract.....	2,700 00	
W. P. Anderson.....	Travelling expenses surveying Shoal at Dorval.....	10 35	
A. Bridge.....	Postages and telegrams.....	26 78	
H. Welbanks.....	Advertising for tenders.....	3 00	
E. G. Laverdure.....	Oil tanks, drip-pans, tinware, &c.....	537 30	
A. B. Perry.....	Surveys and plans of Shaftesbury, Manitoulin.....	100 00	
F. A. Fitzgerald & Co.....	Oil, 7,838½ galls., delivered at Montreal, at 22 cents.....	\$1,724 47	
do	do 4,767 galls., delivered at Hamilton, at 21½ cents	1,024 90	
do	do 4,716 galls., delivered at Hamilton, at 21 cents.....	990 47	
			3,739 84
J. P. Johnston.....	Express on 1 box, Ottawa to Hamilton.....	4 70	
J. Henderson.....	Turpentine, glass, putty, chamois, &c.....	8 68	
G. T. Railway Co.....	Freight of supplies.....	33 23	
Jos. Tomlinson.....	Travelling expenses.....	270 47	
Darius Smith, jun.....	Services in July and August, assisting delivering supplies.....	92 00	
N. A. Beach.....	Freight of oil and lamps.....	5 00	
Burland & Desbarats.....	Printing cheque-books.....	48 00	
Sarnia Observer.....	Advertising supplies for Lights.....	12 40	
T. McAuley.....	Stationery.....	6 60	
H & A. Hacket.....	Maintaining Colchester Reef Lightship, during season, 1873.....	700 00	
Carried forward.....			54,586 34

STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.—*Concluded.*

		\$ cts.	\$ cts.
Brought forward.....			54,586 34
GENERAL ACCOUNT— <i>Concluded.</i>			
M. & O. Forwarding Co.	Freight of supplies	21 50	
Kingsion Corporation.....	Share of gas, and attendance lighting clock, &c.....	372 25	
H. E. Smallpiece & Co.....	Advertising tenders for supply steamer.....	6 40	
Silber & Fleming.....	Burners and chimneys, £4 6s.....	20 93	
R. White.....	Advertising supply steamer (<i>Montreal Gazette</i>).....	4 80	
<i>Montreal Star</i>	do do	4 80	
J. Ross Robertson.....	do do	6 40	
<i>Nouveau Monde</i>	do do	13 02	
Shannon & Meek.....	do do (<i>Kingston Daily News</i>).....	3 84	
C. Potter.....	6 cases oil-testing apparatus.....	120 00	
Port Darlington Har- bour Co.....	Maintenance of Light on Pier, for year ended 1st May, 1879.....	100 00	
M. Graburn.....	Travelling expenses.....	25 00	
Henry Prowse & Co.....	Stoves, stove-pipes, &c.....	73 00	
McDougall, Logie & Co.....	Boiled oil, white lead, paint, &c.....	852 82	
H. Cunningham.....	15 pairs oars, at \$2.50.....	37 50	
Morland, Watson & Co.....	Nails, brushes, blocks, brooms, &c.....	424 38	
A. Ramsay & Son.....	Plate-glass, &c.....	150 85	
Kerry, Watson & Co.....	Chamois, sponges, &c.....	311 20	
Gault Bros. & Co.....	Cotton, oil-cloth, towels, &c.....	334 54	
H. A. Nelson & Son.....	13 cases matches, at \$3.00, \$44.20; Cartage, 25c.....	44 45	
		18,356 18	
Fractional difference on superannuation allowance		1 48	18,357 66
<i>Buoy and Beacons.</i>			
A. Hackett.....	Making buoys, Amherstburg.....	84 00	
J. C. Darke.....	Replacing buoys, Lake Simcoe.....	89 58	
do.....	Making and placing buoys, Fox Island.....	27 35	
J. R. Sulliman.....	do do do	52 00	
<i>North Star</i>	Advertising Spar Buoys, Muskoka.....	3 36	
<i>The Bulletin</i>	do do do	2 80	
G. B. Simpson.....	Placing do Presqu'Isle.....	28 00	
Wm. Shannon.....	Replacing do Grosse Point.....	9 00	
Jos. Wilson.....	Making and placing Spar Buoys, Sault Ste Marie.....	426 20	
do.....	3 year's expenditure, 31st December, 1878, St. Joseph and St. Mary's River.....	503 57	
Jos. Millar.....	Removing buoys, Kaministiquia River.....	5 00	
I. P. Jones.....	Buoys for Amherstburg.....	16 50	
J. G. Kolfage.....	Iron and chains for Amherstburg.....	24 17	
A. Reaume.....	Repairing and draying do	35 50	
I. P. Jones.....	Labour and material for Spar Buoy, Bar Point.....	2 00	
T. Chapman.....	Blacksmith's work, Lachine.....	13 87	
R. Hill.....	Placing buoys, Collingwood Harbour.....	15 00	
W. McAuley.....	Painting do do	21 75	
M. Watts.....	4 men and boat placing do	5 00	
Northern Railway Co.....	Cedar for two buoys do	5 00	
John Todd.....	Conveying buoys and anchors do	3 10	
Jas. T. Allen.....	Replacing do Kingston Harbour.....	25 00	
E. Arnold.....	12 buoy stones do	42 00	
N. Wilmot.....	12 do irons do	33 00	
Russell Howard.....	250 feet cedar do	25 50	
T. Campbell.....	Placing buoys, Burlington Bay.....	1 50	
A. G. McDowell.....	do Galop's Rapids.....	144 03	
		1,643 78	
Total.....			74,587 78

JOHN TILTON,
Accountant.WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 2

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Maintenance of Lights
between Montreal and Quebec, for the Fiscal Year ended 30th June, 1879.

		\$ cts.	\$ cts.
<i>Ash and Bloody Islands (Two Range Lights.)</i>			
J. W. Hammond.....	12 months salary as Keeper	\$197 48	
do	do superannuation tax.....	2 52	
		200 00	
do	Glass.....	4 00	
do	Oars.....	6 00	
do	Repairs.....	37 00	
N. Rochette	do	35 00	
W. H. VanVliet.....	do \$10.00; services, \$5 00.....	15 00	
W. M. McDonald.....	Glass.....	12 50	
W. Barbour.....	Travelling expenses.....	32 65	
J. W. Hammond	Repairing tank.....	3 00	
			345 15
<i>Batiscan (Two Range Lights.)</i>			
L. Fugere.....	Salary as Keeper, No. 1	80 00	
J. Marchand	do No 2	80 00	
do	Ground rent, 1878-79.....	6 00	
L. Fugere.....	do	6 00	
U. St. Mars	Moving barn.....	85 00	
L. Leclerc.....	Winch	12 00	
W. Barbour.....	Travelling expenses	8 15	
O. Giguere	Repairs.....	3 00	
L. Fugere.....	Painting	6 00	
			286 15
<i>Buoys.</i>			
J. Marcotte.....	Sinkers.....	12 20	
T. Routier.....	Shackles, swivels, etc.....	4 90	
X. Cloutier.....	Spars	3 90	
H. S. Scott.....	Iron	2 16	
Steamer "Montreal".....	Freight.....	2 00	
			25 16
<i>Cape Charles (Two Range Lights.)</i>			
N. Boisvert.....	Salary as Keeper	\$148 12	
do	Superannuation tax.....	1 88	
		150 00	
do	Repairs.....	5 92	
do	Cutting trees	20 00	
do	Ground rent	10 00	
J. Nadeau.....	Travelling expenses	10 00	
Duquet & Co.....	Clock	2 50	
			198 42
	Carried forward.....		854 88

STATEMENT of Expenditure on account of Maintenance of Lights between
Montreal and Quebec, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....		854 88
<i>Cap Madeleine (Two Range Lights.)</i>			
P. Manuel.....	Salary as Keeper, No. 1.....	100 00	
A. Montplaisir.....	do No. 2.....	100 00	
P. Manuel.....	Cartage.....	3 00	
A. Montplaisir.....	Ground rent.....	12 00	
			215 00
<i>Champlain (One Light.)</i>			
N. Hardy.....	Salary as Keeper.....	100 00	
do.....	Platform.....	16 10	
S. Bedard.....	Ventilator and repairs.....	10 35	
Audet & Robitaille.....	Canvas.....	9 00	
Archer & Co.....	Lumber.....	0 75	
			136 20
<i>Contrecoeur (Two Range Lights.)</i>			
Avil. Gervais.....	Salary as Keeper.....	100 00	
Noel Lacroix.....	do.....	75 00	
do.....	Repairs to Lighthouse and breakwater, as per contract.....	54 00	
			229 00
<i>Grondines (Two Range Lights.)</i>			
Widow J. Trottier.....	Salary as Keeper, No. 1.....	100 00	
W. E. Trottier.....	do No. 2.....	100 00	
J. Trottier.....	Fuel, 1878-79.....	6 50	
P. Jobin.....	Changing towers.....	212 45	
J. H. Chaloner.....	Lumber.....	15 05	
W. Barbour.....	Travelling expenses.....	8 60	
F. O. Vallerand.....	Chimneys.....	1 55	
S. J. Shaw.....	Paint.....	0 95	
Widow J. Trottier.....	Repairs and cartage.....	2 88	
			447 98
<i>Isle à la Bague (One Light.)</i>			
Jos. Ethier.....	Salary as Keeper.....	128 00	
do.....	Taking down and putting up tower.....	30 00	
do.....	Boat.....	14 00	
do.....	Painting and repairs.....	21 05	
S. Bédard.....	Lanterns, chimneys, wicks, &c.....	4 85	
			197 9
<i>Isle de Grâce (One Light.)</i>			
Ed. Paul.....	Salary of Keeper.....	240 00	
do.....	Putting up and taking down tower.....	45 00	
			285 00
<i>Isle à la Pierre (Two Range Lights.)</i>			
Jcs. Lamoureux.....	Salary as Keeper.....	240 00	
do.....	Fuel, 1878-79.....	10 00	
L. Guay.....	Boat.....	35 00	
O. B. Mondor.....	Painting.....	15 00	
W. Watson.....	Sails.....	5 50	
P. Bellefeuille.....	Stores.....	5 82	
E. Courchéne.....	Stove-pipe.....	00 80	
S. J. Shaw & Co.....	Paint.....	00 75	
E. Courchéne.....	Pipe.....	1 20	
			314 07
	Carried forward.....		2,680 03

STATEMENT of Expenditure on account of Maintenance of Lights between
Montreal and Quebec, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			2,680 03
<i>Isle aux Prunes (One Light.)</i>			
J. B. C. Larose.....	Salary as Keeper.....	120 00	
do	Putting up and taking down tower.....	40 00	
do	Repairs	10 00	
do	Fuel.....	8 00	
J. M. Tardivel.....	Paint	2 80	
			180 80
<i>Isle aux Raisins (Two Range Lights.)</i>			
O. Letendre	Salary as Keeper	240 00	
do	Putting up and taking down tower.....	30 00	
do	Fuel	12 00	
do	Clearing canal	10 00	
O. Mondor.....	Painting	30 00	
P. Jobin.....	Travelling expenses.....	13 25	
E. Courchéne.....	Stove-pipe.....	0 45	
J. Nadeau.....	Winch.....	15 00	
Crawford & Sons.....	Coals	3 75	
B. Côté.....	Repairs	600 00	
E. Courchéne.....	do	15 15	
			969 60
<i>Isle Ste. Thérèse (Two Range Lights)</i>			
T. Brodeur.....	Salary as Keeper, No. 1	144 00	
S. Reeves.....	do No. 2.....	80 00	
T. Brodeur.....	Painting	4 00	
do	Repairs.....	10 05	
J. M. Tardivel.....	Glass.....	28 50	
S. Bédard.....	Lanterns, chimneys, &c.....	4 85	
			271 40
<i>Lacolle (Two Range Lights.)</i>			
W. H. Vauvliet.....	Salary as Keeper	\$148 12	
do	Superannuation tax.....	1 88	
			150 00
<i>Lavaltrie (Two Range Lights)</i>			
D. Giguère.....	Salary as Keeper.....	\$296 24	
do	Superannuation tax	3 76	
do	Putting up and taking down tower.....	300 00	
do	Ground rent.....	60 00	
C. Hervieux.....	Fuel.....	30 00	
D. Giguère.....	Fuel	20 00	
do	Painting and repairs.....	25 00	
			435 00
<i>Light Ship No. 1.</i>			
A. Auger.....	Salary as Keeper	\$496 24	
do	Superannuation tax.....	3 76	
			500 00
P. Bellefeuille.....	Fuel, \$30; wintering and outfitting, \$79.35.....	109 35	
Richelieu Co.	Freight	7 80	
A. Portelance.....	Repairs.....	10 72	
J. B. Vigneau.....	Lumber.....	7 15	
E. Courchéne.....	Repairs.....	6 00	
C. Labelle.....	Outfit.....	39 49	
E. Courchéne.....	Tin.....	3 55	
			683 86
Carried forward.....			5,370 69

STATEMENT of Expenditure on account of Maintenance of Lights between
Montreal and Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....					5,370 69
<i>Lightship No. 2.</i>					
H. Fiset.....	Salary as Keeper.....	\$496	24		
do	Superannuation tax	3	76		
				500	00
P. Bellefeuille	Fuel			30	00
do	Wintering and outfitting			80	63
Z. Lapierre.....	Boat			36	00
E. Courchéne.....	Repairs.....			13	40
A. Portelance.....	do			2	92
T. Routier.....	Outfit to boat			11	40
Richelieu Co.....	Freight.....			6	40
Cy. Labelle.....	Outfit.....			52	08
R. Blakeston.....	Repairing sails			28	40
					761 23
<i>Lightship No. 3.</i>					
A. Magnon	Salary as Keeper.....	\$496	24		
do	Superannuation tax	3	76		
				500	00
P. Bellefeuille	Wintering and outfitting.....			106	14
do	Fuel			30	00
E. Courchéne.....	Repairs.....			30	45
A. Portelance.....	do			10	31
J. B. Vigneau.....	Lumber.....			5	89
Audet & Robitaille.....	Chain			5	04
Cy. Labelle.....	Outfit			46	08
					733 91
<i>L'Islet, Richelieu (One Light).</i>					
C. Blais	Salary as Keeper.....			160	00
do	Fuel and boat hire.....			21	00
O. Giguère	Stove.....			15	65
E. Hamel.....	Repairs			6	00
					202 65
<i>Lotbinière (Two Range Lights).</i>					
O. C. de la Cherrotière...	Salary as Keeper No 2.....			80	00
O. Beaudet	do No. 1			80	00
F. Langlier.....	Professional services examining titles, &c			15	00
					175 00
<i>Montreal Harbour (Two Range Lights).</i>					
William Jeff.....	Salary as Keeper.....			200	00
do	Putting up and taking down towers			70	00
do	Repairing towers, &c			32	10
do	Storage of towers, 1878-79.			40	00
do	Taking down tower on account of ice.....			10	00
Lee, Bradley & Co	Door			3	63
E. Chanteloup.....	Burners and chimneys.....			6	67
					362 40
<i>North Half-Way Point (Two Range Lights).</i>					
D. Menard	Salary as Keeper	\$167	88		
do	Superannuation tax.....	2	12		
					170 00
<i>Platon (Two Range Lights).</i>					
P. Beaudet.....	Salary as Keeper			120	00
do	Cartage and postage.....			4	95
	Carried forward.....			124	95
					7,775 88

STATEMENT of Expenditure on account of Maintenance of Lights between
Montreal and Quebec, etc.—*Concluded.*

		\$ cts.	\$ cts.
	Brought forward.....	124 95	7,775 88
	<i>Platon (Two Range Lights)—Concluded.</i>		
E. Hamel.....	Painting.....	15 00	
Archer & Co.....	Lumber.....	8 00	
S. Bédard.....	Ventilators and buckets.....	11 10	
S. J. Shaw & Co.....	Paint.....	1 40	160 45
	<i>Point aux Trembles (Two Lights).</i>		
Lamoureux	Salary as Keeper.....	130 00	
do	Cutting trees	4 00	
do	Painting and repairs.....	60 75	
F. Drapeau.....	Covering roof.....	55 00	249 75
	<i>Point Citrouilles (One Light).</i>		
C. Brunelle.....	Salary as Keeper.....	200 00	
do	Fuel and repairs	14 90	
do	Putting up new pole, &c.....	13 05	
S. Bédard.....	Lantern.....	7 25	
J. H. Marcheldon.....	Ground rent, 1878.....	12 00	
P. Jobin.....	Travelling expenses.....	7 00	259 20
	<i>Point du Lac (One Light).</i>		
M. Paquin	Salary as Keeper.....	100 00	
do	Sundry expenses.....	2 20	102 20
	<i>Port St. Francis (Three Range Lights).</i>		
E. Duval.....	Salary as Keeper.....	160 00	
Capt. J. Duval.....	Storage.....	10 00	
H. Brassard.....	Putting up and taking down tower.....	60 00	230 00
	<i>Repentigny (Two Range Lights).</i>		
C. Rivet.....	Salary as Keeper, No. 1.....	56 00	
J. E. Lachapelle.....	do No. 2.....	56 00	
J. Ethier.....	Lumber, hardware and repairs.....	32 53	144 53
	<i>Rivière du Chêne (One Light).</i>		
Widow J. Langlois.....	Salary as Keeper.....		75 00
	<i>St. Pierre les Becquets (One Light).</i>		
J. Charland	Salary as Keeper.....		70 00
	<i>St. Valentine (Two Range Lights).</i>		
Paul Martin.....	Salary as Keeper.....	\$148 12	
do	Superannuation tax.....	1 88	150 00
	<i>Sorel Harbour (Two Range Lights).</i>		
Richelieu Co.....	Keeping Light during season 1878-79.....		85 00
	Carried forward.....		9,302 01

STATEMENT of Expenditure on account of Maintenance of Lights between Montreal and Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				9,302	01
<i>Lake Memphremagog.</i>					
M. Wadley.....	Salary as Keeper during season.....	9	00		
H. Ruffin.....	do do.....	9	00		
T. Quinn.....	do do.....	9	00		
F. Culling.....	do do.....	9	00		
G. W. Farrar.....	do do.....	9	00		
J. Boivin.....	Hardware.....	6	00		
H. S. Scott & Co.....	Files.....	1	60		
J. Vaudry.....	Glass cloth.....	1	58		
				54	18
GENERAL ACCOUNT.					
F. A. Fitzgerald & Co.....	Petroleum.....	2,138	50		
F. O. Vallerand.....	Chimneys and burners.....	474	00		
J. Boivin.....	Paint and oils.....	158	28		
Archer & Co.....	Lumber.....	112	80		
Montreal Telegraph Co.....	Messages.....	175	99		
P. Jobin.....	Repairs, and putting up new towers.....	493	40		
E. Chanteloup.....	Burners.....	130	50		
do.....	Tools.....	128	18		
J. Marmen.....	Cartage.....	107	10		
J. Nadeau.....	Salary as Assistant Inspector, to 30th May, 1879.....	\$592	95		
do.....	Superannuation tax.....	6	10		
				599	05
T. Berrigan.....	Clearing snow.....	25	00		
J. P. Dery.....	Stationery.....	125	35		
O. Giguère.....	Oil pumps.....	39	90		
O. Simard.....	Oil cans.....	42	60		
W. P. Anderson.....	Travelling expenses.....	162	62		
J. U. Gregory.....	do.....	44	50		
J. Dunn.....	10 boxes soap, at \$3.....	30	00		
Queen's store.....	Storage of oil.....	48	00		
P. Poulin.....	13½ cords firewood, at \$2.50.....	34	38		
V. Belanger & Co.....	117 galls. oil, at 85 cts.....	87	75		
Beauchemin et fils.....	Use of steamer visiting Lights.....	35	00		
P. Bellefleur.....	Freight and cartage of supplies.....	24	00		
S. Bédard.....	Tinware and repairs.....	37	35		
J. Racine.....	Spikes.....	30	00		
J. H. Chaloner.....	Lumber.....	25	00		
J. B. Pruneau.....	Postage.....	68	14		
J. Hamel et frères.....	Glass cloth.....	23	42		
A. Rosa.....	Cartage.....	10	15		
T. Tremblay.....	12 cords firewood, at \$3.30.....	39	60		
J. M. Tardivel.....	Glass.....	17	60		
F. Routier.....	Landing and carting firewood.....	13	00		
S. Quinn.....	Boat.....	12	00		
H. Jacobs.....	Pens.....	15	00		
E. Desgagné.....	Chimney cleaners.....	16	80		
Richelieu Co.....	Freight.....	6	00		
J. Paquet.....	Cartage.....	4	80		
G. M. Webster.....	1 chaldron coals.....	8	00		
G. T. Cary.....	Subscription to <i>Daily Mercury</i>	6	00		
J. J. Foote.....	do <i>Morning Chronicle</i>	6	00		
L. Arel.....	Tallow.....	6	00		
				5,561	76
Total.....				\$14,917	95

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 3

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being STATEMENT of Expenditure on account of Maintenance of Lights
below Quebec, for the Fiscal Year ended 30th June, 1879.

		<i>Amherst Island.</i>		\$ cts.	\$ cts.
Wm. Cormier.....	12 months salary as Light-keeper	\$296	24		
do	do superannuation tax.....	3	76		
do	Fuel, 1878-79			300	00
M. Boyce.....	2 cords wood, \$4 00.....			20	00
S. Bédard.....	Stove and lamps.....			8	00
J. Vaudry.....	Curtains.....			44	00
do	Glass cloth.....			4	99
J. Boivin.....	Paint.....			4	40
F. O. Vallerand.....	Lamps, burners, &c.....			4	00
T. Parent.....	Lime.....			3	70
				1	50
					390 59
		<i>Algernon Rock.</i>			
H. Dinning.....	Boiler plate, drilling, punching, &c.....			273	06
P. Jobin.....	Ironing wharf.....			151	65
H. S. Scott & Co.....	Iron.....			51	21
T. Routier.....	Bolts.....			81	75
G. T. Phillips.....	Castings.....			47	40
J. Tomlinson.....	Travelling expenses.....			37	75
O. Tremblay.....	Freight.....			25	00
L. Bourget.....	Provisions during repairs.....			13	68
G. Bouchard.....	do do			6	72
L. Marois.....	do do			3	00
J. M. Tardivel.....	Glass.....			1	80
J. Boivin.....	Hardware.....			1	50
					694 42
		<i>Baie St. Paul.</i>			
H. Tremblay.....	12 months' salary as Light-keeper	\$197	48		
do	do superannuation tax.....	2	52		
do	Building shed and repairs.....			200	00
do	Fuel			100	00
Audet & Robitaille.....	Flag and fog-horn.....			30	00
J. M. Tardivel.....	Glass.....			9	20
J. Boivin.....	Latch and hinges.....			2	42
J. Vaudry.....	Glass cloth.....			1	55
				1	68
					344 85
		<i>Bellechasse.</i>			
E. Thivierge.....	12 months' salary as Light-keeper	\$316	00		
do	do superannuation tax.....	4	00		
do	Boat.....			320	00
do	Fuel, 1878-79.....			20	00
Archer & Co.....	Lumber			10	00
S. Bédard.....	Repairing lamps and pipes.....			30	12
J. Boivin.....	Nails			5	40
J. Vaudry.....	Glass cloth.....			1	60
Audet & Robitaille.....	Rope.....			2	72
S. J. Shaw & Co.....	Stove polish and soda.....			1	50
				1	25
					392 59
Brought forward.....					1,822 45

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....					1,822 45
<i>Belle Isle.</i>					
M. Colton.....	12 months salary as Light-keeper.....	\$588	00		
do	do superannuation tax.....	12	00		
do	Allowance for Assistant, \$260; for Gunner, \$200...			600	00
do	Painting.....			25	00
T. Rontier.....	New tower, stove and repairs.....			122	70
T. Parent.....	Barrelling coal.....			72	60
J. Vaudry.....	Curtains and glass cloth.....			17	56
F. O. Vallerand.....	Chimneys, burners, &c.....			10	65
L. Leclerc.....	Junk.....			24	12
Ed. Dion & Co.....	Oats, bran, &c.....			32	00
G. F. Phillips.....	Castings.....			17	00
J. Boivin.....	Paint.....			15	10
Archer & Co.....	Lumber.....			9	00
J. H. Chaloner.....	do			4	80
Richelieu Co.....	Freight.....			15	29
Fisher & Blouin.....	Blankets, halter, &c.....			10	85
Audet & Robitaille.....	Canvas, bunting.....			8	19
S. Bédard.....	Stove grates.....			8	00
W. Barbour.....	Nails.....			6	00
A. McCallum.....	Code of signals book.....			5	00
T. Houghton.....	Horse shoes.....			3	60
Chinic, Beaudet & Co.....	Iron.....			1	76
J. Marmen.....	Wood.....			1	80
H. Dinning & Co.....	Lumber.....			1	40
					1,472 48
<i>Bicquette.</i>					
T. Lebel.....	12 months' salary as Light-keeper.....	\$595	00		
do	do superannuation tax.....	5	00		
do	Wood and repairs.....			600	00
do	Ground rent.....			39	00
W. D. Campbell.....	Rope, zinc, etc.....			24	00
Audet & Robitaille.....	Junk.....			15	51
L. Leclerc.....	Carpenters' repairs.....			28	62
E. Bérubé.....	Stove.....			11	93
S. Bédard.....	Water barrels.....			17	23
T. Parent.....	Stove-pipe.....			9	20
O. Giguère.....	Paint and nails.....			2	20
J. Boivin.....	Glass cloth.....			8	05
J. Vaudry.....	Medicine.....			5	04
P. F. Riéfret.....	Lamp.....			2	75
O. Vallerand.....	Medicine.....			2	00
E. Giroux.....	Top for lanterns.....			1	70
					766 85
<i>Bird Rocks.</i>					
P. Whalen.....	12 months' salary as Light keeper.....	\$588	00		
do	do superannuation tax.....	12	00		
do	Allowance for 2 assistants.....			600	00
J. Hamilton.....	Hoisting apparatus.....			900	00
P. Whalen.....	Building shed and painting Lighthouse.....			300	00
J. H. Chaloner.....	Lumber.....			43	00
F. O. Vallerand.....	Chimneys.....			158	91
T. Parent.....	Barrelling coal.....			38	70
T. Rontier.....	Building shed, gun carriage, etc.....			54	30
J. Boivin.....	Paint, nails, etc.....			135	27
G. T. Phillips.....	Pumps.....			29	40
S. Bédard.....	Top for lanterns.....			23	90
do	do			19	00
Carried forward.....				2,302 48	4,061 72

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	2,302 48	4,061 72
	<i>Bird Rocks—Concluded.</i>		
L. Leclerc.....	Junk.....	27 00	
J. Sullivan.....	Chain.....	26 00	
W. Barbour.....	Boat hire.....	30 00	
G. Bouchard.....	Pork.....	16 00	
H. Dinning & Co.....	Lumber.....	14 67	
W. Barbour.....	Firewood, \$14.00; cartage, \$2.50.....	16 50	
H. Dinning & Co.....	Lumber.....	7 98	
H. Scott & Co.....	Cement.....	5 00	
Audet & Robitaille.....	Rope, twine, etc.....	3 43	
Duquet & Co.....	Clock repaired.....	3 00	
G. Bisset.....	Castings.....	5 57	
J. M. Tardiff.....	Spar.....	1 00	
L. Bourget.....	Salt.....	1 00	
J. Vaudry.....	Glass cloth.....	5 04	
			2,464 67
	<i>Brandy Pots.</i>		
N. Richard.....	9 months' salary as Light-keeper.....	\$296 25	
do.....	do superannuation tax.....	3 75	
			300 00
A. Richard.....	3 months' salary as Light-keeper.....	\$98 75	
do.....	do superannuation tax.....	1 25	
			100 00
N. Richard.....	Fuel, \$20.60; board, \$19 00.....	39 00	
T. Routier.....	Making truck, new roof, etc.....	46 35	
Archer & Co.....	Lumber.....	37 40	
S. Bédard.....	Chimney tops.....	16 50	
S. J. Shaw & Co.....	Paint, brushes, etc.....	3 50	
J. Vaudry.....	Glass cloth.....	2 72	
			545 47
	<i>Cap aux Oies.</i>		
J. Savard.....	12 months' salary as Light-keeper.....	\$197 48	
do.....	do superannuation tax.....	2 52	
			200 00
do.....	Fuel, 1878-79.....	20 00	
do.....	Building gallery as per contract.....	80 00	
S. Bédard.....	Drip-pan.....	5 25	
F. O. Vallerand.....	Chimneys and burners.....	2 50	
J. Vaudry.....	Glass cloth.....	1 68	
			309 43
	<i>Cape Chatte.</i>		
T. Coté.....	12 months' salary as Light-keeper.....	\$296 24	
do.....	do superannuation tax.....	3 76	
			300 00
do.....	Landing supplies.....	6 10	
J. Coté.....	Survey.....	15 66	
do.....	Fuel, \$20.00; clearing land, \$6.00.....	26 00	
do.....	Freight.....	100 00	
T. Routier.....	Balance, building new house.....	483 90	
do.....	Repairs to tower.....	116 90	
P. Jobin.....	Material, freight and passages of workmen.....	117 42	
S. Bédard.....	Repairs, pipes, etc.....	19 20	
J. H. Chaloner.....	Lumber.....	12 50	
A. Pelletier et fils.....	Lime.....	36 00	
J. M. Tardivel.....	Putty.....	9 70	
J. Boivin.....	Blasting powder.....	7 95	
Archer & Co.....	Lumber.....	6 70	
F. O. Vallerand.....	Chimneys, wicks, etc.....	3 30	
	Carried forward.....	1,261 33	7,381 29

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward	1,261 33	7,381 29
	<i>Cape Chatte—Concluded.</i>		
Audet & Robitaille...	Chain and putty.....	9 80	
E. Cazeau.....	Plaster.....	3 00	
J. Vaudry.....	Glass cloth.....	2 72	
W. M. McDonald.....	Glass.....	1 95	1,278 80
	<i>Cape Despair.</i>		
J. Beck.....	12 months' salary as Keeper.....	\$395 00	
do	do superannuation tax.....	5 00	
do	Building addition to house, as per contract	400 00	
S. Bédard.....	Repairing lamps	100 30	
J. Vaudry.....	Fuel, 1878-79.....	15 00	
O. Giguère.....	Fuel, 1878-79.....	16 00	
E. Giroux et frère.....	Repairing lamp	7 50	
J. Vaudry.....	Medicine	4 70	
J. Vaudry.....	Glass cloth.....	2 72	
J. Boivin	Paint	2 00	
	<i>Cape Gaspé (Light and Fog Whistle.)</i>		
C. D. Esnouf.....	12 months' salary as Keeper.....	\$395 00	
do	do superannuation tax.....	5 00	
do	Allowance for Engineer.....	400 00	
J. Eden & Son.....	Freight of coal, as per agreement.....	400 00	
do	Fuel, 1878-79.....	150 00	
T. Routier.....	Step-ladder	58 00	
J. B. Moore.....	40 tons of coal, \$1.90.....	22 90	
Audet & Robitaille.....	Rope.....	76 00	
Captain John Roberts.....	Freight of coal oil and supplies	16 50	
E. Chanteloup.....	Glass.....	7 00	
J. Boivin	Paint	4 50	
J. Vaudry.....	Paint	3 60	
Quebec & Gulf Ports S. S. Co.....	Glass cloth.....	3 36	
S. Co.....	Freight	0 50	547 92
	<i>Cape Magdalen.</i>		
J. Lavergne.....	12 months' salary as Keeper.....	\$296 24	
do	do superannuation tax.....	3 76	
J. Vaudry.....	Glass cloth.....	300 00	
		3 36	1,142 36
	<i>Cape Norman.</i>		
H. Locke.....	12 months' salary as Keeper.....	\$493 72	
do	do superannuation tax.....	6 28	
do	Boat, \$70; fuel,—'76-77, \$60, '77-78, \$60—\$120; stove, \$16.....	500 00	
W. H. Laroche.....	Medicine.....	206 00	
V. Belanger & Co.....	Axes, varnish and saw.....	12 60	
S. Bédard.....	Repairs, lamps.....	11 25	
J. Vaudry.....	Glass cloth.....	9 10	
H. S. Scott & Co.....	Iron.....	5 04	
J. M. Tardivel.....	Wall paper	3 14	
Audet & Robitaille.....	Rope.....	3 05	
J. Boivin	Putty.....	1 00	
P. F. Rinfret	Medicine.....	0 75	
			752 83
	Carried forward.....		11,406 56

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued,

		\$	cts.	\$	cts.
Brought forward.....					11,406 59
<i>Cape Ray (Light and Fog Whistle.)</i>					
R. Rennie	12 months salary as Keeper	\$588	00		
do	do superannuation tax.....		12 00		
do	Allowance for an Engineer.....		600 00		
do	Fuel, 1877-78.....		400 00		
E. Chanteloup.....	12 coal oil reservoirs, with burners, etc.....		50 00		
Wm. Barbour.....	Iron work, labour and repairs		229 50		
J. L. Knight.....	Repairing Fog Whistle.....		102 72		
Archer & Co	Lumber for scow.....		78 95		
do	Lumber for Lighthouse		67 81		
S. Bédard.....	Stove top, pipes and lamps.....		51 60		
J. Boivin.....	Paint, padlocks, etc.....		29 70		
E. Cazeau.....	Wheels.....		46 05		
T. Routier.....	Scow		17 50		
do	Building shed for Fog Horn.....		17 20		
J. Vaudry.....	Curtains and glass cloth.....		52 30		
J. Tardif.....	Spar.....		12 84		
Audet & Robitaille	Rope		19 60		
G. T. Phillips.....	Gauge glasses.....		9 75		
G. Bisset.....	Use of waggon		8 40		
Duquet & Co	Clock		15 00		
T. Parent.....	Water barrels.....		5 50		
V. Belanger & Co.....	Zinc		3 20		
T. Parent.....	Lime		4 05		
A. Côté & Co	Advertising.....		2 80		
G. T. Cary	do		5 60		
J. Carrel.....	do		7 20		
S. Marcotte.....	do		5 60		
			4 32		
					1,847 19
<i>Carleton Point.</i>					
Elm. Landry.....	12 months' salary as Keeper.....	\$296	24		
do	do superannuation tax.....		3 76		
do	Painting		300 00		
do	Fuel, 1878-79.....		10 00		
Audet & Robitaille.....	Rope and canvas		20 00		
J. Vaudry	Glass cloth		19 95		
			2 52		
					352 47
<i>Cape Rosier.</i>					
A. Trudeau.....	12 months' salary as Keeper.....	\$395	00		
do	do superannuation tax.....		5 00		
do	Allowance for two Assistants.....		400 00		
do	Fuel, 1878-79.....		400 00		
do	Paid freight of supplies.....		18 00		
J. Vaudry	Curtains and glass-cloth		2 85		
J. Boivin.....	Hardware.....		25 70		
V. Belanger & Co.....	Brushes and nails.....		16 40		
L. LeLerc	Junk.....		16 34		
Quebec and Gulf Ports Steamship Co	Freight		28 62		
T. Parent.....	Water-barrels and lime.....		11 50		
S. J. Shaw.....	Shovels.....		11 75		
F. O. Vallerand.....	Chimneys, burners, &c.....		5 25		
J. M. Tardivel.....	Paint		8 55		
S. Bédard.....	Stovepipe.....		4 80		
Chinic, Beaudet & Co.....	Saw		3 60		
Audet & Robitaille	Halyard		1 60		
			1 25		
					956 21
Carried forward.....					14,562 43

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				14,562	43
<i>Crane Island.</i>					
J. Painchand.....	12 months salary as Keeper.....	\$316	00		
do	do superannuation tax.....	4	00		
				320	00
do	Boat and sails.....		46	00	
do	Fuel, 1878-79.....		16	00	
do	Repairs to beacon and tower.....		20	00	
J. M. Tardivel.....	Painting, \$15; glass, 2.40.....		17	40	
T. Routier.....	Making windows.....		13	00	
J. Vaudry.....	Glass-cloth.....		6	96	
Audet & Robitaille.....	Nails and whiting.....		3	05	
S. Peters.....	Lumber.....		8	50	
				450	91
<i>Chicoutimi Wharf.</i>					
C. Harvey.....	Salary for season 1878.....			40	00
<i>Chicoutimi Range.</i>					
W. Warren.....	P. L. salaries as Keepers for season of 1878.....		192	00	
O. Tremblay.....	Attendance to buoys and repairs.....		82	46	
W. Warren.....	Placing and painting buoys.....		104	63	
T. Parent.....	Buoy.....		40	00	
O. Terreau.....	Sinkers.....		12	00	
F. O. Vallerand.....	Chimneys, burners, &c.....		10	50	
W. M. McDonald.....	Glass.....		8	05	
Audet & Robitaille.....	Blocks.....		7	00	
S. J. Shaw & Co.....	Taps.....		2	40	
E. S. Scott & Co.....	Iron.....		2	09	
J. Vaudry.....	Glass-cloth.....		2	76	
				463	89
<i>East Point, Anticosti.</i>					
T. Gagné.....	12 months' salary as Keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
do	Allowance for two Assistants.....		400	00	
S. Bédard.....	Stove, lamp and burners.....		83	30	
E. D. Dion.....	Oats, bran, &c.....		21	75	
J. Boivin.....	Nails and files.....		11	39	
Archer & Co.....	Shingles.....		8	00	
J. Vaudry.....	Glass-cloth.....		6	24	
J. M. Tardivel.....	Glass.....		2	16	
J. O'Donohoe.....	Repairs to glasses.....		1	50	
F. O. Vallerand.....	Shade.....		0	85	
				935	19
<i>Egg Island.</i>					
Paul Côté.....	12 months' salary as Keeper.....	\$493	72		
do	do superannuation tax.....	6	28		
				500	00
do	Fuel, \$34; painting, \$15.....		49	00	
P. Lapierre.....	Canoe.....		40	80	
E. Chanteloup.....	Glass.....		65	00	
J. Sullivan.....	Tank.....		28	00	
Audet & Robitaille.....	Rope.....		8	48	
T. Parent.....	Water-barrel.....		6	20	
S. Bédard.....	Tinware.....		6	05	
J. Vaudry.....	Glass-cloth.....		4	40	
F. O. Vallerand.....	Lamps and chimneys.....		4	85	
				710	78
Carried forward.....				17,163	20

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				17,163	20
<i>Ellis Bay.</i>					
R. Setter.....	12 months salary as Keeper.....	\$197	48		
do	do superannuation tax.....	2	52		
			200	00	
G. Bouchard.....	Pork.....			16	00
J. Vaudry.....	Mocassins and snow-shoes.....			4	70
					220 70
<i>Entry Island.</i>					
J. Cassidy.....	12 months' salary as Keeper.....	\$296	24		
do	do superannuation tax.....	3	76		
			300	00	
N. Dixon.....	Ground rent.....			75	00
J. J. Fox.....	Rebuilding of chimney.....			19	50
J. Cassidy.....	Fuel, 1878-79.....			20	00
A. H. Murphy.....	Bricks.....			14	50
A. Painchaud.....	Survey and plan of Lighthouse and premises.....			9	00
F. O. Vallerand.....	Lamps, chimneys, &c.....			9	50
S. Bédard.....	Pipes.....			4	50
J. Vaudry.....	Glass cloth.....			4	20
					456 20
<i>Etang du Nord (Light and Fog-Whistle).</i>					
T. O'Brien.....	12 months' salary as Keeper.....			400	00
do	Allowance for Engineer.....			400	00
do	Fuel.....			150	00
S. J. Shaw & Co.....	Tube expander.....			43	35
G. T. Phillips.....	Lead.....			25	38
W. Barbour.....	Painting.....			25	00
Archer & Co.....	Lumber.....			21	60
W. Barbour.....	Paid for repairs.....			16	00
do	do right of way.....			8	00
F. O. Vallerand.....	Lamps, chimneys, &c.....			10	75
Audet & Robitaille.....	Rope.....			16	10
V. Bélangier & Co.....	Lantern.....			4	00
J. Vaudry.....	Glass cloth.....			2	92
S. Bédard.....	Measures.....			1	75
J. M. Tardivel.....	Glass.....			0	96
					1,125 81
<i>Father Point.</i>					
J. McWilliams.....	12 months' salary as Keeper.....	\$337	48		
do	do superannuation tax.....	2	52		
do	Repairs.....			340	00
do	Fuel, \$20.00; telegrams, \$2.55.....			22	55
Audet & Robitaille.....	Sheathing and oakum.....			46	30
Archer & Co.....	Lumber.....			15	00
W. H. Laroch.....	Medicines.....			14	30
S. Bédard.....	Stove, pipes, &c.....			32	30
J. Boivin.....	Nails, tacks, putty, &c.....			24	26
J. H. Chaloner.....	Lumber.....			10	50
L. Leclerc.....	Junk.....			9	00
A. H. Murphy.....	Bricks.....			8	40
J. M. Tardivel.....	Glass and paint brushes.....			8	85
A. Pelletier et fils.....	Lime.....			5	00
F. O. Vallerand.....	Burners and chimneys.....			4	75
V. Bélangier & Co.....	Glass.....			4	85
J. Vaudry.....	Glass cloth.....			4	40
Quebec & Gulf Ports Steamship Co.....	Freight.....			4	15
Duquet & Co.....	Clock.....			2	50
					840 41
Carried forward.....				19,806	32

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc — *Continued.*

		\$	cts.	\$	cts.
Brought forward				19,806	32
<i>Forteau.</i>					
P. Godier.....	12 months' salary as Keeper	\$395	00		
do	do superannuation tax.....	5	00		
do	Allowance for boarding Engineer		400	00	
T. Routier.....	House		117	50	
do	Shed		397	85	
G. Turgeon.....	Wages, building house and shed		721	40	
Archer & Co.....	Lumber.....		265	87	
E. Roy.....	Freight and passage.....		591	29	
G. Bouchard.....	Provisions.....		250	00	
Dion & Co.....	do		48	00	
L. Marois	do		17	00	
F. Lemieux.....	do		3	00	
L. Bourget.....	do		18	00	
L. Aré	do		65	17	
S. Bédard	Stove, pipes, &c		3	84	
E. Cazau.....	Wheels.....		62	82	
T. Routier.....	Cart		30	00	
Andet & Robitaille	Canvas.....		15	20	
E. D. Dion & Co.....	Oats, bran, &c.....		14	63	
J. Vaudry	Glass cloth		18	70	
F. O. Valleraud.....	Lamps and wicks		5	55	
T. Houghton.....	Horse shoes		1	10	
Fisher & Bleuin.....	do blanket		2	40	
Duquet & Co.....	Clock.....		5	00	
			5	50	
					3,059 82
<i>Forteau (Fog Whistle).</i>					
R. Fournier.....	Salary as Engineer.....		400	00	
G. T. Phillips.....	Steam-gauge, pipe, &c.....		186	68	
Vale Coal Iron Co.....	75 tons coal, at \$1.90.....		142	50	
H. S. Scott & Co.....	Iron.....		147	69	
V. Bélanger & Co.....	Packing.....		33	60	
J. Boivin.....	Oil, axes, files, &c.....		106	01	
T. Parent.....	Filling barrels with coal.....		34	30	
F. W. Fraser.....	Freight on coal.....		125	76	
A. H. Murphy.....	Coal and brick.....		111	50	
G. T. Phillips.....	Whistle.....		381	40	
H. S. Scott & Co.....	Rivets, nuts, &c.....		15	71	
S. J. Shaw.....	Files.....		8	50	
W. Barbour.....	Labour and landing coal.....		17	00	
J. M. Tardivel.....	Glass and putty.....		8	13	
L. Aré	Tallow.....		3	60	
J. M. Tardif.....	Spar.....		1	75	
					1,724 13
<i>Gaspé Basin.</i>					
B. Eden	Salary as Light-keeper during season of 1878.....				42 00
<i>Gaspé Lightship.</i>					
J. Ascab.....	12 months salary as Keeper.....		400	00	
Quebec and Gulf Ports Steamship Co.....	Freight of oil-tank.....		2	47	
J. Vaudry.....	Glass cloth.....		1	70	
					404 17
Carried forward.....				25,036	44

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			25,036 44
<i>Green Island.</i>			
G. W. Lindsay.....	12 months salary as Keeper.....	\$493 72	
do	do superannuation tax.....	6 28	
do	Allowance for Assistant, \$100; Gunner, \$200; water, \$60.....		500 00
do	Boat shed.....		360 00
L. Leclerc.....	Junk.....		40 00
F. O. Vallerand.....	Lanterns, burners, chimneys, &c.....		37 62
P. F. Rinfret.....	Medicine.....		9 20
E. Giroux.....	do		7 25
O. Giguère.....	Drip-pans and measures.....		6 70
E. D. Dion & Co.....	Bran.....		23 20
W. McDonald.....	Glass.....		6 95
J. Vaudry.....	Glass cloth.....		6 70
S. J. Shaw & Co.....	Paint.....		5 04
Audet & Robitaille.....	Halyard and pole.....		4 25
			1 75
1,008 66			
<i>Greenly Island.</i>			
L. C. Beaumont.....	Salary as Keeper from 1st August, 1878, to 30th June, 1879.....	\$545 42	
do	Superannuation tax.....	4 58	
do	Cart, sleigh and ox.....		550 00
T. Routier.....	Cart.....		64 70
do	Shed, Repairs, &c.....		31 30
E. Chanteloup.....	Glass.....		105 92
do	Chimneys and wicks.....		192 75
Archer & Co.....	Lumber.....		292 25
W. Barbour.....	Boat.....		145 24
W. Crawford.....	84 chaldrons coal, at \$6.50.....		84 00
S. Bédard.....	Stove and pipes.....		55 25
T. Parent.....	Barreling coal.....		37 60
E. Cazeau.....	Wheels.....		35 50
L. Leclerc.....	Junk.....		30 00
J. Boivin.....	Hardware, paint, &c.....		42 12
E. D. Dion & Co.....	Oats, bran, &c.....		20 70
Audet & Robitaille.....	Chain.....		8 40
W. Barbour.....	Storage.....		11 61
Duquet & Co.....	Clocks.....		9 65
Fisher & Blouin.....	Harness.....		11 00
P. F. Rinfret.....	Medicines.....		10 00
H. S. Scott & Co.....	Grindstone.....		6 00
E. Giroux et frère.....	Medicine.....		6 51
			1 10
1,751 60			
<i>Kamouraska.</i>			
T. R. Desjardins.....	12 months' salary as Keeper.....	\$395 00	
do	do superannuation tax.....	5 00	
do	Fuel, \$16.00; freight and repairing, \$7.75.....		400 00
P. Jobin.....	Repairing machinery.....		23 75
Audet & Robitaille.....	Chain.....		15 15
F. O. Vallerand.....	Chimneys and wicks.....		15 50
J. Vaudry.....	Glass cloth.....		3 75
T. R. Desjardins.....	Repairs.....		3 12
	Lime.....		4 30
			1 00
466 67			
Carried forward.....			28,263 27

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$	cts.	\$	cts.
	Carried forward.....			28,263	27
<i>Lark Islet.</i>					
P. Boulianne.....	12 months salary as Keeper.....	\$197	48		
do	do superannuation tax.....	2	52		
do	Boat.....			200	00
do	Sundry repairs and postages.....			24	00
Archer & Co.....	Lumber.....			5	00
T. Routier.....	Building new house.....			301	71
J. Gagné.....	Freight of materials, &c.....			352	40
J. Boivin.....	Nails, paint, &c.....			34	00
Audet & Robitaille.....	Chain and canvas.....			35	39
J. M. Tardivel.....	Glass and putty.....			15	38
A. H. Murphy.....	Bricks.....			13	60
T. Parent.....	Filling barrels with coals.....			5	60
S. Bédard.....	Stove pipe and kettle.....			6	65
Duquet & Co.....	Clock.....			5	80
F. O. Vallerand.....	Lantern, wicks, &c.....			5	00
E. Gazeau.....	Plaster.....			4	20
J. Vaudry.....	Glass cloth.....			3	00
				2	52
				1,013	25
<i>Lower Traverse (Fog Whistle).</i>					
G. Bisset.....	Repairs to ironwork.....			9	60
A. Dupuis.....	69½ cords fuel, \$3.10.....			214	69
G. T. Phillips.....	Guage and coppersmith's repairs.....			209	87
A. H. Murphy.....	16 chaldrons coal, \$8.00.....			128	00
F. Gunn.....	29 tons coal, \$5.50.....			159	50
Whitehead & Turner.....	Tube brushes.....			10	00
S. J. Shaw.....	Salmometer and wrench.....			8	85
W. Barbour.....	Coaling.....			15	00
J. Dunn.....	Tallow.....			10	60
W. Barbour.....	Paid for cleaning and laying up engines, &c.....			18	60
L. Aré.....	Tallow.....			2	40
P. L'Italian.....	22 cords firewood, \$2.50.....			55	00
O. Giguère.....	Repairing pipes, &c.....			30	75
				872	86
<i>Lower Traverse Lightship.</i>					
J. Gourdeau.....	Balance of contract, 1878.....			1,700	00
do	On account of do 1879.....			609	00
do	Expenses.....			7	15
G. T. Davie.....	Repairs.....			878	38
do	Docking.....			200	00
Audet & Robitaille.....	Rope, canvas, &c.....			77	65
J. Cunningham.....	Repairing sails.....			65	00
J. Blais.....	Wintering.....			40	00
W. Barbour.....	Repairs to boiler, engines, &c.....			95	85
T. Routier.....	Outfit.....			58	00
B. Leonard.....	Painting.....			61	27
G. T. Davie.....	do			18	49
S. Bédard.....	Repairing lamps, &c.....			14	30
J. Lépage.....	Watching.....			24	00
J. Gaudle.....	Towage.....			16	00
W. Watson.....	Sails and repairs.....			39	72
J. Vaudry.....	Glass cloth.....			3	36
C. Terreau.....	Castings.....			2	24
J. O' Donohoe.....	Repairing compasses.....			2	50
F. O. Vallerand.....	Chimneys, lamps, &c.....			6	30
J. H. Chaloner.....	Lumber.....			4	00
Carrier, Laine & Co.....	Repairs to machinery, deck rings, rods, &c.....			62	13
E. Giroux.....	Medicines.....			4	35
G. Webster.....	Moorage.....			10	00
	Carried forward.....			3,990	69
				30,149	36

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	3,990 69	36,149 38
	<i>Lower Traverse Lightship—Concluded.</i>		
T. Twedell.....	Towage.....	8 00	
J. H. Chaloner.....	Lumber.....	1 80	4,000 40
	<i>Macquereau Point</i>		
Aug. Bertrand.....	12 months salary as Keeper.....	\$296 24	
do.....	do superannuation tax.....	3 76	
		300 00	
Quebec and Gulf Ports Steamship Co.....	Freight.....	14 50	
J. M. Tardivel.....	Glass.....	3 60	
E. Chanteloup.....	Wheel.....	3 50	
J. Vaudry.....	Glass cloth.....	2 52	
S. Bédard.....	Repairing lamps.....	2 50	326 02
	<i>Manicouagan Lightship.</i>		
R. Leblanc.....	Balance on contract, 1878.....	2,150 00	
do.....	On account of contract, 1879.....	650 00	
John Connell.....	Anchor.....	80 36	
Audet & Robitaille.....	Rope, canvas, &c.....	107 67	
T. Routier.....	Wintering.....	81 05	
do.....	Repairs to rudder.....	6 60	
do.....	Outfit.....	32 95	
G. J. Davie.....	Repairs.....	155 48	
S. Bédard.....	Stove, pipe.....	37 65	
J. Cunningham.....	Repairing sails.....	91 00	
W. M. McDonald.....	Painting.....	39 43	
R. Leblanc.....	Caulking.....	42 00	
G. Seifert.....	Telescope.....	8 00	
J. Gaudle.....	Towage.....	16 00	
J. Vaudry.....	Glass cloth.....	4 76	
L. Bourget.....	Candles.....	6 40	
J. Boivin.....	Saw.....	2 50	
Duquet & Co.....	Clock and repairs.....	7 50	
A. McCallum.....	Code-signal book.....	5 00	
Chinic, Beaudet & Co.....	Iron.....	2 20	
F. O. Vallerand.....	Lamps.....	1 00	
C. Terreau.....	Casting.....	0 80	
J. Sullivan.....	Chain cable.....	95 00	
J. H. Chaloner.....	Lumber.....	16 21	
G. Webster.....	Moorage.....	12 00	
T. W. Twedell.....	Towage.....	8 00	
W. T. Davie.....	do.....	4 00	
E. Groux et frère.....	Medicine.....	9 50	3,672 06
	<i>Fog-Whistle :</i>		
R. Leblanc.....	Fuel.....	61 50	
G. T. Phillips.....	Repairing whistle.....	152 00	
Whitehead & Turner.....	Tube brushes.....	26 00	
H. S. Scott & Co.....	Taps and dies.....	18 50	
A. H. Murphy.....	25 chaldrons coal, \$8.....	200 00	
S. J. Shaw & Co.....	Rubber joints.....	25 55	
W. Barbour.....	Coaling.....	13 00	
J. Dunn.....	Tallow.....	10 00	
F. Gunn.....	26 tons coal, \$5.50.....	143 00	
O. Giguère.....	Brass pipe and repairs.....	72 95	
Carrier, Laine & Co.....	Hawse piping, work on stay bolts, &c.....	55 49	
			777 00
	Carried forward.....		38,927 44

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward			38,927	44
<i>Martin River.</i>					
John Gauthier.....	12 months salary as Keeper	\$296	24		
	do Superannuation tax.....	3	78		
				300	00
do	Fuel, 1878-'79.....			25	00
do	Postage.....			1	81
T. Maloney.....	Land.....			150	00
J. M. Oliver.....	Lime.....			30	00
G. T. Phillips.....	Pump and lead pipe.....			19	75
E. Groux et frère.....	Medicine.....			5	50
P. F. Rinfret.....	do			5	20
J. M. Tardivel.....	Glass.....			4	45
J. Vaudry.....	Glass cloth.....			4	40
J. Boivin.....	Putty.....			1	18
				547	20
<i>Mutane.</i>					
F. X. Dionne.....	Salary as Keeper, from 1st July to 22nd May, 1879.....	\$220	83		
	Superannuation tax	2	79		
				223	62
Octave Desjardins.....	Salary from 23rd May to 30th June, 1879... Superannuation tax.....	\$26	05		
		0	33		
				26	38
F. X. Dionne.....	Repairs to house.....			140	00
do	Fuel, \$10; clearing land, \$8			18	00
E. Lacroix.....	Repairs to boat			34	78
H. S. Scott & Co.....	Iron.....			18	83
J. U. Gregory.....	Travelling expenses			7	50
E. Giroux et frère.....	Medicine			3	55
F. O. Vallerand.....	Lamps and chimneys.....			3	35
Archer & Co.....	Lumber.....			2	88
J. Vaudry.....	Glass cloth.....			2	72
W. E. Brunet.....	Medicine			1	75
Audet & Robitaille.....	Rope.....			1	00
				484	36
<i>Métis.</i>					
J. Martin.....	12 months salary as Keeper.....	\$296	24		
	Superannuation tax	3	78		
				300	00
do	Fuel.....			18	00
do	Horse keep			20	00
do	Repairs to Lighthouse and road.....			11	16
do	Cartage of supplies.....			4	00
E. Chanteloup.....	Glass.....			19	50
P. F. Rinfret.....	Medicines			7	75
Audet & Robitaille.....	Tar			3	50
J. Vaudry.....	Glass cloth.....			2	72
				306	62
<i>Montée du Lac.</i>					
E. Simard.....	12 months salary as Keeper.....	\$345	60		
do	do superannuation tax.....	4	40		
				350	00
do	Fuel, 1878-79			30	00
E. Bluteau.....	Salvage of boat			8	00
S. Bédard.....	Repairing lamps			5	90
S. J. Shaw & Co.....	Paint and brushes.....			4	53
E. Giroux et frère.....	Medicine.....			3	29
				401	72
	Carried forward.....			40,345	72

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....		401 72	40,345 72
<i>Montée du Lac—Concluded.</i>			
Audet & Robitaille.....	Rope.....	3 00	
P. F. Rintret.....	Medicine.....	2 75	
J. Vaudry.....	Glass cloth.....	2 52	
			409 99
<i>Paspebiac.</i>			
Lyonel Strong.....	Salary as Keeper, from 1st July, 1878, to 1st February, 1879.....	\$86 40	
do.....	Superannuation tax.....	0 94	
			87 34
John Loisel.....	Salary from 1st March to 30th June, 1879.....	49 37	
do.....	Superannuation tax.....	0 63	
			50 00
L. Strong.....	Blowing fog-horn.....	30 00	
do.....	Painting.....	16 00	
do.....	Fuel.....	20 00	
Audet & Robitaille.....	Canvas.....	18 65	
S. Bédard.....	Galvanized pipe.....	7 05	
C. Robin & Co.....	Barrel and pipes.....	3 85	
J. Vaudry.....	Glass cloth.....	2 52	
			235 41
<i>Percé.</i>			
C. Bourget.....	12 months salary as Keeper.....	125 00	
do.....	Fuel, 1878-79.....	25 00	
do.....	Blowing fog-horn.....	40 00	
do.....	Painting.....	11 00	
do.....	Postage.....	4 02	
E. Chanteloup.....	Trumpet.....	9 50	
F. O. Vallerand.....	Lamps, chimneys, &c.....	7 85	
S. Bédard.....	Repairing lamps.....	2 00	
Quebec and Gulf Ports Steamship Co.....	Freight.....	4 25	
J. Vaudry.....	Glass cloth.....	2 72	
O. Giguère.....	Kettle.....	1 50	
S. J. Shaw & Co.....	Screwdriver.....	0 55	
			233 30
<i>Pilgrims.</i>			
J. C. Marquis.....	12 months salary as Keeper.....	\$335 76	
do.....	do superannuation tax.....	4 24	
			340 00
do.....	Fuel, \$48.00; water, \$20.00.....	68 00	
do.....	Repairing boat.....	2 75	
do.....	Boat and shed.....	41 75	
R. Blakeston.....	Sails.....	55 40	
Audet & Robitaille.....	Rope and chain.....	16 63	
W. Watson.....	Sails.....	8 85	
T. Parent.....	Water barrels.....	14 20	
Archer & Co.....	Lumber.....	16 00	
J. Vaudry.....	Glass cloth.....	4 34	
S. Bédard.....	Lantern.....	4 85	
S. J. Shaw.....	Nails and files.....	1 90	
F. O. Vallerand.....	Lamps, chimneys and wicks.....	3 80	
W. Crawford & Sons.....	Cement.....	4 25	
			582 72
Carried forward.....			41,807 23

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			41,807 23
<i>Pillars.</i>			
D. Babin.....	12 months salary as Keeper.....	\$444 40	
do.....	do superannuation tax.....	5 60	
do.....	Fuel, \$25.00; repairs, \$1.50.....		450 00
Z. Lapierre.....	Boats, oars, painting, &c.....		28 50
S. Bédard.....	Stove and pipe.....		149 00
Audet & Robitaille.....	Rope and chain.....		46 95
J. Vaudry.....	Glass cloth.....		10 24
T. Parent.....	Water puncheons.....		9 14
J. Boivin.....	Nails.....		7 20
L. Poliquin.....	Spout.....		6 53
G. Bisset.....	Repairs to ironwork.....		5 06
H. Dinning & Co.....	Lumber.....		6 44
Archer & Co.....	do.....		7 35
J. H. Chaloner.....	do.....		3 00
O. Giguère.....	Drip pans and measures.....		3 00
F. O. Vallerand.....	Lamps.....		2 64
A. H. Murphy.....	Bricks.....		10 10
			3 55
			1 18
<i>Pointe des Monts.</i>			
L. F. Faffard.....	12 months salary as Keeper.....	\$395 00	
do.....	do superannuation tax.....	5 00	
do.....	Allowance for Gunner, \$200; fuel and water, \$100.....		400 00
J. Boivin.....	Hardware.....		300 00
W. Watson.....	Sails.....		87 30
R. Duguay.....	Freight.....		88 92
G. T. Phillips.....	Pump and pipe.....		30 00
P. F. Rinfret.....	Medicine.....		22 50
E. D. Dion & Co.....	Oats, bran, &c.....		24 20
E. Cazeau.....	Wheels.....		20 70
L. Leclerc.....	Junk.....		21 00
Fisher & Blouin.....	Horse blankets, harness.....		28 62
Audet & Robitaille.....	Canvas.....		15 35
E. Cazeau.....	Shafts.....		17 10
F. O. Vallerand.....	Lantern and chimneys.....		16 50
T. Routier.....	Rope Step ladder.....		8 00
P. G. Bussière.....	Oats, bran.....		7 00
J. M. Tardivel.....	Glass and wall paper.....		9 97
Duquet & Co.....	Clock.....		5 65
T. Houghton.....	Horse shoes.....		5 00
W. H. Lalroche.....	Medicines.....		3 60
J. E. Binks.....	do.....		14 25
S. Bédard.....	Stove door.....		2 00
T. Routier.....	Step ladder.....		2 25
T. Riverin.....	Freight.....		5 50
A. Pelletier et fils.....	Lime.....		4 00
			1 00
Depot:—			
J. Vaudry.....	clothing, blankets.....		57 45
M. McLaughlin.....	Flour.....		75 06
1,140 41			
<i>Pointe aux Orignaux.</i>			
J. Hudon dit Beaubien...	12 months salary as Keeper.....	\$246 88	
do.....	do superannuation tax.....	3 12	
A. Casgrain.....	Making floor.....		250 00
O. Giguère.....	Pipes.....		10 00
S. Bédard.....	Elbows.....		4 15
			1 75
265 90			
Carried forward.....			44,090 81

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				44,090	81
<i>Point Rich.</i>					
E. Roy.....	12 months salary as Keeper.....	\$588	00		
do	do superannuation tax	12	00		
do	Board and repairs.....		600	00	
C. F. Langlois.....	Fuel, 1878-79.....		47	50	
E. Chanteloup.....	Oil reservoirs.....		236	50	
S. Bédard.....	Stove, grates, &c.....		44	55	
W. H. LaRoche	Medicines.....		23	30	
Archer & Co.....	Lumber.....		20	00	
J. Boivin.....	Hardware.....		16	10	
T. Parent.....	Barrels and lime.....		13	60	
T. Routier.....	Windows.....		11	60	
F. O. Vallerand	Lamp, chimneys and wicks.....		10	05	
W. & D. Bell.....	Pipe.....		8	40	
Audet & Robitaille.....	Flag halyard.....		9	00	
J. Vaudry.....	Curtains and glass cloth.....		11	32	
				1,111	92
<i>Pointe St. Laurent.</i>					
J. Chabot.....	12 months salary as Keeper.....	\$296	24		
do	do superannuation tax.....	3	76		
S. Bédard.....	Repairing stove.....		300	00	
Chinic, Beaudet & Co.....	Hardware.....		7	50	
J. Vaudry.....	Glass cloth.....		4	56	
Audet & Robitaille.....	Rope.....		2	72	
			0	25	
Wharf:—					
Archer & Co.....	Lumber.....		127	72	
P. Jobin.....	Labor, repairs.....		116	25	
do	Iron and nails.....		18	68	
				577	68
<i>Point St. John.</i>					
C. Langlois.....	12 months salary as Keeper.....	\$296	24		
do	do superannuation tax.....	3	76		
do	Fuel, 1878-79.....		300	00	
do	Painting.....		16	00	
do	Stove and pipe.....		10	25	
S. Bédard.....	Stove and pipe.....		8	60	
T. Parent.....	Cask.....		5	00	
J. Vaudry.....	Glass cloth.....		1	88	
J. Paquet.....	Lamp.....		1	00	
				342	73
<i>Portneuf (Above).</i>					
F. Rodrigue.....	12 months salary as Keeper.....	\$246	88		
do	do superannuation tax.....	3	12		
do	Fuel, 1878-79.....		250	00	
do	Stove.....		10	50	
O. Giguère.....	Stove.....		17	65	
F. O. Vallerand.....	Chimneys, burners and wicks.....		7	20	
S. Bédard.....	Iron joints.....		6	25	
O. Germain.....	Ground rent.....		5	50	
do	Cartage.....		3	28	
Audet & Robitaille.....	Rope and oakum.....		3	00	
J. Boivin.....	Paint brushes.....		2	60	
S. J. Shaw.....	Dust-pan, &c.....		2	30	
J. M. Tardivel.....	Oakum.....		1	35	
				309	63
Carried forward				46,432	77

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$	cts.	\$	cts.
		Brought forward.....		46,432 77	
<i>Portneuf (Below).</i>					
D. Tremblay.....	12 months salary as Keeper.....	\$345	60		
do	do superannuation tax.....	4	40		
do	Fuel and water.....	350	00		
do	Repairing wharf.....	30	00		
S. Bédard.....	Pipe and repairs.....	41	20		
Ghnic, Beaudet & Co.	Hardware.....	22	05		
W. Barbour.....	Repairs.....	9	73		
W. H. LaRoche.....	Medicines.....	7	45		
A. Warren.....	Repairs to boat.....	6	25		
J. Vaudry.....	Glass cloth.....	4	00		
J. M. Tardivel.....	Glass.....	2	72		
Duquet & Co.....	Clock.....	2	70		
			2	50	
				478 60	
Provision Depôts :—					
M. McLaughlin.....	Provisions.....	94	00		
L. Bourget.....	do	13	50		
				107 50	
<i>Red Island Lightship.</i>					
B. Damour.....	Balance contract, 1878.....	1,900	00		
F. Larivée.....	Account contract, 1879.....	500	00		
D. Damour.....	Repairs.....	104	09		
do	Outfit.....	80	35		
G. T. Davie.....	Repairs.....	276	03		
J. Cunningham.....	do to sails.....	88	00		
Audet & Robitaille.....	Blocks and rope.....	94	65		
H. S. Scott & Co.	Rivets and iron.....	29	21		
G. Seifert.....	Telescope and barometer.....	25	50		
E. Vohl.....	Marine glass.....	12	00		
S. Bédard.....	Lamps and pipe.....	62	00		
W. M. McDonald.....	Painting.....	39	25		
T. Routier.....	Repairs.....	20	00		
Dinning & Webster.....	Cement.....	5	00		
J. Gaudle.....	Towage.....	8	00		
T. W. Twedell.....	do	8	00		
W. T. Davie.....	do	4	00		
J. Vaudry.....	Glass cloth.....	3	56		
J. Boivin.....	Thermometer.....	1	75		
J. O'Donohoe.....	Repairing compasses.....	1	50		
T. Routier.....	Outfit.....	9	50		
J. Baldwin.....	Blocks.....	20	57		
G. M. Webster.....	Moorage.....	16	00		
E. Giroux.....	Medicine.....	12	50		
				3,321 46	
Fog Whistle :—					
D. Damour.....	Fuel.....	291	38		
G. T. Phillips.....	Guage, valve, &c.....	260	73		
A. H. Murphy.....	20½ chaldrons coal, 20 @ \$3.00 \$160; ½ @ \$7.50 = 3.75.....	163	75		
S. J. Shaw.....	Rubber brace.....	21	80		
W. Barbour.....	Coaling.....	15	00		
J. Dunn.....	Tallow.....	10	00		
W. Barbour.....	Salinometer.....	6	00		
Whitehead & Turner.....	Tube brushes.....	11	00		
Carrier, Laine & Co.	Repairs to boiler, plates, &c.....	111	14		
C. Giguère.....	Pipe and repairs.....	38	00		
F. Gunn.....	Coal, 19½ tons @ \$5.50.....	107	25		
				1,036 05	
Carried forward.....				51,376 38	

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....					51,376 38
<i>Red Island Lighthouse.</i>					
B. Fraser.....	12 months salary as Keeper.....	\$493	72		
do	do superannuation tax.....	6	28		
do	Canoe, \$8; freight, \$2.60.....			500	00
do	Allowance for fuel and water.....			160	00
Audet & Robitaille	Chain and blocks.....			29	70
S. Bédard.....	Stove, pipe, &c.....			23	30
J. Boivin.....	Paint and brushes.....			8	80
J. Vaudry.....	Glass-cloth.....			5	04
F. O. Vallerand.....	Chimneys.....			7	55
Duquet & Co.....	Clock and repairs.....			7	00
F. Rioux.....	Blacksmiths' repairs.....			3	74
Y. Bellanger & Co.....	Paint, axes and tacks.....			9	35
P. F. Rinfret.....	Medicines.....			5	00
T. Parent.....	Water-cask.....			1	70
A. Pelletier et fils.....	Lime.....			1	00
B. Leonard.....	Paint.....			6	30
					779 08
<i>St. Antoine</i>					
L. Lafleur.....	12 months salary as Keeper.....	\$148	12		
do	do superannuation tax.....	1	88		
				150	00
S. Bédard.....	Repairing lamps.....			5	50
S. J. Shaw.....	Files.....			1	35
E. Lafleur.....	Fuel and cartage.....			7	10
					163 95
<i>St. Croix.</i>					
J. Thurber.....	Quarter's salary, to 30th Sept., 1878.....	\$43	29		
do	do superannuation tax.....	0	55		
				43	75
Wm. Thurber.....	3 quarters' salary, to 30th June, 1879.....	\$129	60		
do	do superannuation tax.....	1	65		
				131	25
J. Thurber.....	Painting.....			26	60
do	Fuel, 1878-79.....			12	50
S. Bédard.....	Repairing lamps and canister.....			10	85
G. Desrochers.....	Ground rent, 1877 and 1878.....			12	00
H. S. Scott & Co.....	Sheet iron.....			2	03
S. J. Shaw & Co.....	Putty.....			0	77
					239 75
<i>St. Francis Range.</i>					
J. Lepage.....	12 months salary as Keeper.....			75	00
J. Marceau.....	do do.....			75	00
Archer & Co.....	Shingles.....			24	38
F. X. Turcotte.....	Fuel, 1878-79.....			12	00
J. Lepage.....	Repairs as per contract.....			12	00
S. Bédard.....	Repairing lamps.....			7	00
J. Boivin.....	Nails and putty.....			5	60
Duquet & Co.....	Repairing clock.....			2	50
J. Vaudry.....	Glass-cloth.....			0	96
					214 44
<i>Seven Islands.</i>					
F. Arcand.....	12 months salary as Keeper.....	\$495	00		
do	do superannuation tax.....	5	00		
				500	00
Carried forward.....				500	00
					52,773 00

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$	cts.	cts.
Brought forward.....		500	00	52,773 60
<i>Seven Islands—Concluded.</i>				
T. Routier.....	Sleigh and repairs	47	60	
W. Barbour.....	Paid for fuel, 1878-79	30	00	
do	Building shed and making road.....	16	00	
Archer & Co	Lumber	41	14	
J. Boivin	Nails	20	30	
S. J. Shaw & Co.....	Rubber, vice, &c	23	35	
W. Watson	Repairing sails	17	25	
E. D. Dion & Co.....	Cornmeal	11	00	
H. S. Scott & Co.....	Iron	15	62	
P. F. Renfret.....	Medicines.....	7	50	
Audet & Robitaille.....	Rope	6	95	
J. Vaudry.....	Glass-cloth.....	3	56	
A. Pelletier et fils.....	Lime.....	4	00	
J. Tardif.....	Spar	3	00	
				747 27
<i>South Point, Anticosti.</i>				
David Tétu.....	12 months salary as Keeper.....	\$588	00	
do	do superannuation tax.....	12	00	
		600	00	
F. O. Vallerand.....	Lantern and chimneys	11	85	
J. Boivin	Zinc, files, &c	8	32	
S. J. Shaw & Co	Paint	5	25	
S. Bédard.....	Kettle and oil-can.....	3	85	
J. Vaudry.....	Glass-cloth	5	04	
Provision Dépôt :—				
J. Vaudry	Clothing	158	25	
E. B. Dion & Co	Flour and pease	14	87	
E. Bouchard.....	Pork.....	16	00	
Fog-Whistle :—				
D. Tétu	12 months salary as Engineer.....	520	00	
J. S. Moore.....	40 tons coal, at \$1.90.....	76	00	
J. Eden	Freight of coals	150	60	
G. T. Phillips.....	Coupling and rubber.....	32	00	
J. Boivin	Files, paint, &c.....	21	48	
M. S. Scott & Co.....	Iron.....	7	47	
				1,630 36
<i>South West Point, Anticosti.</i>				
E. Pope	12 months salary as Keeper	\$395	00	
do	do superannuation tax.....	5	00	
do	Allowance for two Assistants	400	00	
G. Gigué e.....	Oil tanks.....	108	00	
G. T. Phillips.....	Lead, pump repaired.....	40	25	
S. Bédard.....	Stove, pipe	27	90	
Audet & Robitaille.....	Flag, rope, &c.....	22	88	
E. D. Dion & Co.....	Oats, bran.....	20	70	
F. O. Vallerand.....	Chimneys, burners, &c.....	7	65	
J. Vaudry	Glass cloth	6	24	
Y. Bélanger & Co.....	Shovels, scythes	13	50	
P. F. Renfret.....	Medicines.....	9	25	
J. Vaudry	Curtains.....	5	98	
Widow C. Terreau	Sinkers	5	88	
E. Giroux et frères	Medicines.....	5	30	
H. S. Scott & Co.....	Iron	1	13	
Duquet & Co.....	Repairing clock	1	00	
A. Pelletier et fils.....	Lime.....	1	00	
				1,076 66
Carried forward.....				56,227 91

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.		56,227 91
	<i>South West Point, Anticosti—Concluded.</i>		
	Provision Dépôt:—		
E. D. Dion & Co.....	Flour, peas.....	51 75	
G. Bouchard.....	Pork.....	32 00	83 75
	<i>Tadoussac.</i>		
L. Guay.....	10 months salary, to 30th April, 1879.....	\$246 87	
do	do superannuation tax.....	2 82	
		249 69	
do	Shed.....	50 00	
do	Allowance for fuel and water.....	25 00	
S. Bédard.....	Stove, pipe and repairs.....	10 90	
F. O. Vallerand.....	Chimneys, burners, &c	5 60	
Audet & Robitaille.....	Bl' cks and halyard.....	2 50	
J. Vaudry.....	Glass cloth.....	2 08	
P. F. Rinfret.....	Medicines.....	0 40	346 17
	<i>Upper Traverse.</i>		
A. M. Dechène.....	Balance of contract, 1878	1,150 00	
do	On account of contract, 1879	218 75	
Ed. Pelletier.....	do 1879.....	31 25	
J. Sullivan.....	Chain	356 21	
F. X. Marquis	Wintering.....	130 00	
Audet & Robitaille.....	Rope, canvas, &c	162 06	
G. T. Phillips.....	Rubber and hose	175 80	
R. Blakiston.....	Sails	86 60	
H. S. Scott & Co.....	Iron.....	52 45	
Carrier, Lainé & Co.....	Repairs.....	65 02	
J. Cunningham.....	Repairing sails	65 00	
S. Bédard.....	Pipe, tinware and repairs	41 55	
L. Lizotte.....	Ballast	37 50	
G. R. Coker.....	Fees	41 61	
J. M. Tardivel.....	Painting	36 45	
B. Leonard.....	do	20 31	
G. Giguère.....	Stove	29 16	
T. Routier.....	Chain, hook and stopper.....	35 90	
A. M. Dechène.....	Wages of extra man.....	39 00	
T. Routier.....	Repairs and outfit	38 50	
A. M. Dechène.....	Expenses.....	15 64	
E. Giroux et frère.....	Medicines.....	15 00	
F. Vézina.....	Painting	12 00	
J. Boivin.....	Paint and hooks.....	10 24	
A. Learmonth & Co.....	Sockets.....	10 00	
G. Seifert.....	Telescope.....	10 00	
J. Carrel.....	Advertising.....	6 00	
J. H. Chaloner.....	Lumber.....	4 50	
W. T. Davie.....	Towage	8 00	
J. Gandle.....	do	16 00	
T. Parent.....	Water barrels.....	4 20	
G. T. Cary.....	Advertising.....	4 32	
L. Aré.....	Provisions.....	4 67	
E. Guérard.....	Stools.....	4 00	
C. & W. Wurtèle.....	Iron.....	4 61	
H. S. Scott & Co.....	do	3 42	
S. J. Shaw & Co.....	Rivets and washers.....	2 10	
A. Côté.....	Advertising.....	2 40	
Widow C. Terreau.....	Castings.....	3 48	
J. Vaudry.....	Glass cloth.....	1 68	
Duquet & Co.....	Repairing clock.....	1 00	
			2,956 35
	Carried forward		59,614 18

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			59,614	18
<i>West Point, Anticosti.</i>					
A. Malouin.....	12 months salary as Keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
do	Allowance for Assistant.....		400	00	
R. Bédard.....	Stove, pipe and repairs.....		57	60	
Archer & Co.....	Lumber.....		50	00	
J. M. Tardivel.....	Glass.....		25	50	
E. D. Dion & Co.....	Oats, bran, &c.....		33	70	
E. Cazeau.....	Wheels.....		16	00	
T. Routier.....	Cart, doors, &c.....		33	20	
J. Boivin.....	Files and nails.....		20	55	
L. Leclerc.....	Junk.....		13	50	
J. Vaudry.....	Glass cloth.....		12	69	
Audet & Robitaille.....	Rope and blocks.....		11	45	
Fisher & Blouin.....	Horse blanket.....		6	25	
P. O. Vallerand.....	Chimneys.....		7	25	
Duquet & Co.....	Clock.....		5	50	
T. Parent.....	Puncheons.....		5	70	
				898	89
<i>Salaries and Contingencies of Agent's Office.</i>					
I. U. Gregory.....	12 months salary as Agent.....	\$1,959	96		
do	do superannuation tax.....	40	00		
L. A. Blanchet.....	do salary as Clerk.....	882	00	1,999	96
do	do superannuation tax.....	18	00		
E. E. Buteau.....	do salary as Clerk.....	882	00	900	00
do	do superannuation tax.....	18	00		
L. A. Blanchet.....	Petty cash.....		585	88	
C. E. Holiwell & Co.....	Stationery.....		40	30	
Dawson & Co.....	do		46	00	
T. Tremblay.....	Firewood, 27 cords, at \$3 30.....		89	10	
J. B. Pruneau.....	Postage.....		98	87	
Dominion Telegraph Co.....	Messages.....		46	07	
British American Bank Note Company.....			39	76	
J. Vaudry.....	Carpet.....		6	80	
Glover, Fry & Co.....	do		11	50	
R. Bédard.....	Pipe.....		3	70	
T. Routier.....	Labour at wood.....		12	50	
J. O'Donohoe.....	Repairing clock.....		1	50	
A. B. Cherrier.....	Directory.....		3	00	
Chinic, Beaudet & Co.....	Lock.....		0	75	
				4,785	69
<i>Buoys and Beacons.</i>					
J. Lortie.....	New buoys.....		700	00	
T. Parent.....	Repairing buoys.....		133	70	
T. Routier.....	Chains and shackles.....		448	25	
Widow C. Terreau.....	Sinkers.....		238	65	
G. Bisset.....	do		58	40	
J. Marcotte.....	do		39	54	
D. Boullanne.....	Salvage.....		15	00	
J. Charette.....	do		20	00	
T. Routier.....	Cedar buoys.....		16	00	
J. Eden & Son.....	Placing buoys.....		27	85	
E. Lacroix.....	do		16	00	
J. McWilliams.....	do		10	00	
J. J. Fox.....	do		24	25	
				1,747	64
	Carried forward.....			65,298	76

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

		\$	cts.	\$	cts.
		Brought forward.....		1,747	64
		<i>Buoys and Beacons—Concluded.</i>			
W. Kerr.....	Placing buoys.....		24	25	
W. Christie.....	do.....		10	00	
J. Heppel.....	do.....		12	00	
E. Lacroix.....	do.....		22	20	
Chinic, Beaudet & Co.....	Iron.....		39	40	
H. S. Scott & Co.....	do.....		37	87	
J. Eden.....	Boat hire.....		12	00	
Quebec & Gulf Ports					
Steamship Co.....	Freight.....		15	00	
C. Prendergast.....	Paint.....		45	00	
W. Kerr.....	Painting buoys.....		7	50	
P. Blanchet.....	Re-building beacon.....		72	00	
T. Gagne.....	Repairing beacon.....		3	25	
L. Vezina.....	do.....		38	00	
A. Vocelle.....	do.....		2	50	
E. Bourgault.....	do.....		5	00	
Archer & Co.....	Lumber.....		11	00	
J. Boivin.....	Spikes.....		2	40	
A. Pelletier et Fils.....	Lime.....		2	00	
Audet & Robitaille.....	Brushes.....		0	80	
J. H. Chaloner.....	Lumber.....		5	98	
				2,116 41	
		GENERAL ACCOUNT.			
Hamilton Powder Co.....	Powder.....		6,060	00	
F. A. Fitzgerald & Co.....	16,022 gallons petroleum, at 23½c.....		3,765	17	
T. Rontier.....	Repairs.....		1,625	04	
Pay List.....	Office Work.....		1,677	00	
R. Chanteloup.....	Lamps, burners, chimneys.....		1,596	80	
F. O. Vallerand.....	Chimneys, wicks, &c.....		675	15	
L. Bourget.....	Soap, brooms, brushes.....		312	28	
T. Parent.....	Cooperage.....		462	30	
J. Vaudry.....	Flannel for bags.....		522	36	
J. Boivin.....	Hardware.....		229	65	
W. Barbour.....	Salary.....		1,000	01	
V. Bélanger.....	Hardware.....		190	70	
H. S. Scott & Co.....	do.....		38	83	
J. J. Fox.....	Services.....		200	00	
Wm Barbour.....	Expenses, repairs.....		250	69	
J. J. Foote.....	Advertising.....		115	44	
I. Marcotte.....	do stationery, &c.....		21	10	
J. Carrel.....	do Daily Telegraph.....		104	00	
L. G. Desjardins.....	do Canadian.....		4	00	
J. Eden.....	12 months salary as Sub-Agent at Gaspé.....		250	00	
do.....	Wharfage of coals.....		100	00	
do.....	Postage, rope and labor.....		30	15	
Chance Bros.....	Glass.....		389	60	
E. Trottier.....	1,541 bundles of hay, at 9c.....		140	49	
N. Lepinay.....	Hay.....		9	63	
J. Marmon.....	Cartage.....		446	20	
S. Bédard.....	Tinware and repairs.....		133	35	
G. M. Webster.....	15 chaldrons coal at \$8, \$120; cement, \$11.....		131	00	
A. H. Murphy.....	8 do \$7 50, \$60; 2,600 lbs. coal, \$9.10.....		69	10	
Department of Militia and					
Defence.....	Rent of Queen's Wharf.....		231	87	
F. X. Déry.....	Tanks, canisters.....		306	96	
A. Gasgrain.....	Oil.....		164	00	
J. U. Gregory.....	Investigation against J. Eden.....		140	80	
do.....	do Light Keepers.....		451	62	
do.....	Travelling expenses to Ottawa.....		36	00	
do.....	do Lighthouses.....		61	48	
Moore & Wright.....	Empty barrels.....		70	00	
		Carried forward.....		21,952	77
				67,414	17

STATEMENT of Expenditure on account of Maintenance of Lights below Quebec, etc.—Continued.

	Brought forward.....	\$ cts.	\$ cts.
		21,952 77	67,414 17
GENERAL ACCOUNT—Continued.			
P. Stephens.....	Watching	121 00	
J. Mullins.....	do	121 00	
Montreal Telegraph Co.....	Messages	76 34	
Arocher & Co.....	Lumber.....	192 42	
H. Dinning.....	do	61 36	
J. H. Chaloner.....	do	110 48	
Dawson & Co.....	Stationery	39 62	
C. E. Holliwell.....	do	22 05	
I. P. Déry.....	do	114 30	
Andet & Robitaille.....	Rope, canvas, &c.....	86 86	
Z. Lapierre.....	Oars.....	76 70	
G. T. Phillips.....	Repairs	74 88	
F. Fitzhenry.....	Making bags, 11,844 at 1½c., and 5,463 at 1c.....	232 29	
H. Dinning.....	Iron plates.....	51 34	
J. Sullivan.....	Ventilators.....	40 00	
J. Blais.....	Wintering pontoon.....	30 00	
J. M. Tardivel.....	Paint and brushes	56 30	
W. Watson.....	Repairing flags	60 30	
F. Derouin.....	Blocks	32 00	
J. Cassidy.....	Salary as Harbor Master at Magdalen Islands, '77-78.....	50 00	
T. Tremblay.....	12 cords firewood, at \$3.30.....	39 60	
J. Dunn.....	70 boxes soap, at \$3.....	210 00	
O. Simard.....	Oil cans	93 00	
J. Lortie.....	Barreling coal.....	90 85	
G. Hall & Co.....	Brooms and matches.....	113 50	
M. J. Tuhau.....	Broom protectors	36 00	
T. Berrigan.....	Clearing snow	25 00	
A. W. Glassford.....	Tops for fire extinguishers.....	48 00	
C. T. Côté.....	Deals	58 50	
C. Auclair.....	Bushes	60 00	
J. Racine.....	Spikes	30 00	
W. G. Hall.....	Services, investigating re Eden	25 00	
LeBoutillier Bros.....	Storage	98 00	
J. Cunningham.....	Repairing sails, bags, &c.....	122 50	
R. Leblanc.....	Lumber	25 06	
T. Desroche.....	Repairing canoe.....	17 98	
Collector of Customs.....	Duty on glass	16 88	
W. Barbour.....	Board	50 00	
Chinic, Beaudet & Co.....	Spikes	20 00	
Grand Trunk Railway Co.....	Freight	14 67	
Richelieu Co.....	do	12 01	
Dominion Telegraph Co.....	Messages	12 23	
J. B. Pruneau.....	Postage	12 18	
W. H. Laroche.....	Medicines	12 75	
F. M. Dechène.....	Cotton	8 83	
H. Black.....	Pipe	2 46	
E. Baylis.....	Glazing tools.....	18 00	
G. Glassford.....	Stove polish	20 00	
E. Desgagné.....	Chimney cleaners	16 80	
Allan, Rae & Co.....	Freight on glass	24 77	
S. J. Shaw & Co.....	Shovels	11 79	
R. Nolan.....	Bags	12 00	
P. Rouillard.....	Mending and washing bags.....	6 30	
O. Premont.....	Washing	6 00	
M. E. Fitzhenry.....	Bags	7 00	
Drummondville Manufacturing Co.....	Lumber	6 09	
Daily Telegraph.....	Subscription.....	4 00	
D. Laliberte.....	Keys	2 35	
A. Toussiant.....	Matches	1 13	
A. J. Turcotte.....	Washing soda	11 13	
F. Lampson.....	Storage of powder	19 20	
G. Giguère.....	Repairing lamps	7 00	
	Carried forward,	25,030 57	67,414 17

STATEMENT of Expenditure on account of Maintenance of Lights below
Quebec, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.	25,030 57	67,414 14
GENERAL ACCOUNT—<i>Concluded.</i>			
J. J. Foote	12 months subscription to <i>Morning Chronicle</i>	6 00	
L. G. Desjardins.....	do do <i>Canadien</i>	6 00	
W. Hunt & Sons.....	Corkwood	5 04	
E. Giroux & Co.....	Medicines	6 00	
E. Poulin.....	Bags, corks	6 19	
B. Leonard.....	Painting.....	5 00	
W. Barbour.....	Sundry expenses.....	6 40	
Fisher & Blouin.....	Bag.....	1 00	
Department of Militia.....	Friction tubes.....	692 24	
			25,764 44
	Total.....		93,178 04

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 4.

To Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure in connection with the Maintenance
of Lighthouses, Fog-Whistles, &c., in New Brunswick, for the Fiscal
Year ended 30th June, 1879.

GENERAL ACCOUNT.		\$	cts.	\$	cts.
Jas. Mitchell	Paid sundry freight charges		28	86	
R. P. & W. F. Starr	Coal	2,471	90		
T. McAvity & Sons	Oil-tanks, locks, oil, shovel, &c	237	44		
A. J. Lordly & Son	Lampstand and window-blinds	19	50		
T. P. Davis	Wrapping-paper	8	09		
A. Thomas	12 months salary as Assistant Light-Keeper and Telegraph Operator, Point Lepreaux	150	00		
Willis & Mott	Advertising	87	50		
Jas. Mitchell	12 months salary as Inspector of Lights	\$1,176	00		
Receiver-General	Superannuation tax on Inspector's salary	24	00		
		1,200	00		
J. H. Harding	12 months salary as Agent	\$1,567	92		
Receiver-General	Superannuation tax on Agent's salary	32	04		
		1,599	96		
F. J. Harding	12 months salary as Clerk	\$588	00		
Receiver-General	Superannuation tax on Clerk's salary	12	00		
		600	00		
Hugh Davidson	12 months rent of office	125	00		
D. G. Smith	Advertising	8	98		
Jas. Shea	Labour on coal	42	42		
Geo. Nixon	Glass	0	90		
J. V. Ellis	Rent of Post Office box	1	50		
J. N. Purdy	Landing coal	150	00		
Wm. Blizard	Rent of warehouse	197	50		
John Nugent	Carting oil and supplies to Steamer "Newfield"	28	00		
D. McAlpine	Directory	2	00		
Armstrong & Hopper	Advertising	47	80		
J. Harding	12 months travelling expenses as Agent	76	47		
Hugh Belmore	Freight	152	60		
J. L. McCoskery	Postage stamps, stationery and printing	268	30		
F. A. Jones	Table for office	15	00		
Bowes, Campbell & Ellis	Stove, tin boxes, &c	37	90		
Thos. DeBois	12 months subscription to newsroom	10	00		
Jas. Mitchell	12 months travelling expenses as Inspector of Lights	191	88		
W. R. Stockbridge	Ironclad paint	32	52		
W. & G. Watt	Stationery for Inspector's office	7	50		
T. W. Anglin	Advertising in <i>Freeman</i>	33	00		
J. F. Masters	Duty on ironclad paint	5	98		
R. Barbour	Painting boats	37	50		
Chas. Annand	Advertising	22	08		
J. Johnston	Inspector's postage account	30	91		
Clarke, Kerr & Thorne	Lantern and thermometer	6	40		
Geo. F. Baird	Amount of costs in Baird suit	50	05		
J. U. Gregory	Labour and cartage on oil	20	00		
F. A. Fitzgerald & Co	4,500 gallons oil, at 23½c. per gallon	1,057	50		
Joseph Millar	Paid postage, freight, &c	17	09		
T. W. Robison	Storage on oil	180	85		
Intercolonial Railway	Freight on oil, &c	163	04		
Thomas Campbell	Chimneys and burners	11	78		
C. G. Berryman	Freight	3	90		
Wm. Elder	Advertising in <i>St. John Telegraph</i>	244	99		
R. R. Call	Coal and carting for Inspector's office	9	50		
	Carried forward	9,693	88		

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	9,693 88	
GENERAL ACCOUNT—Concluded.			
J. R. Cameron & Co.....	Argand burners and wicks.....	148 53	
C. A. Robertson.....	Horse to St. Martins.....	6 00	
J. & J. D. Howe.....	Chairs.....	3 70	
M. H. Jones.....	Stationery.....	4 05	
J. & A. McMillan.....	do.....	3 00	
R. O. Quigley.....	Inspector's telegraph bill.....	28 99	
S. & F. Roberts.....	Charts.....	4 00	
Geo. W. Day.....	Advertising.....	14 62	
Thos. M. Robinson.....	Telegraphing bill from 1st August, 1878, to 31st December, 1878.....	229 38	
Ellis, Robertson & Co.....	Advertising in St. John <i>Globe</i>	24 00	
Small & Hatheway.....	Freight to River Lights.....	8 70	
John Morrissey.....	Freight.....	5 95	
M. Chanteloup.....	Argand burners.....	60 25	
Thos. Stewart & Co.....	Freight on reflectors.....	4 25	
Sun Publishing Co.....	Advertising.....	4 00	
A. W. Patterson.....	do.....	3 50	
New Brunswick Paper Co.....	Paper.....	2 60	
H. King.....	Boating and cartage.....	18 90	
Easteley, Alwood & Co.....	Life-buys.....	9 00	
W. & J. Anslow.....	Printing.....	7 00	
J. R. Stone.....	Expressage.....	10 07	
Kane & Co.....	Advertising.....	5 00	
J. E. Hopper.....	do.....	2 60	
Joseph Rogers.....	Labour at warehouse.....	3 25	
B. A. Bank Note Co.....	Cheque-books.....	38 75	
Dominion Telegraph Co.....	Telegraph bill from 1st March to 1st May.....	2 26	
Moses Connors.....	Wicks and chimneys.....	0 98	
E. L. Street.....	Chamois skins.....	2 75	
F. J. Harding.....	Paid freight.....	0 50	
O. W. Weldon.....	Legal expenses.....	55 00	
Jane Millar.....	Washing towels.....	4 00	
			10,409 ⁴⁶
<i>Beacon Light.</i>			
Timothy Clark.....	12 months salary as Light-keeper.....	\$395 00	
Receiver-General.....	Superannuation tax on Keeper's salary..	5 00	
			400 00
H. King.....	Boating supplies, &c.....	80 60	
Hevenor & Co.....	Repairing, stove-piping, zinc, copper wire, &c.....	36 65	
G. Hevenor.....	Galvanized iron, and labour, lumber, &c.....	50 63	
J. R. Cameron & Co.....	Head light, chimneys and wicks.....	11 68	
D. W. Clark.....	Repairs to bell-house.....	63 99	
Geo. Nixon.....	Room paper.....	1 80	
Edwin Clark.....	Labour.....	10 50	
Everitt & Butler.....	Flannel and cotton.....	9 51	
T. McAvity & Sons.....	White lead, locks and rope.....	101 65	
Timothy Clark.....	Allowances for fuel for 1878-79.....	20 00	
R. Barbour.....	Painting boat.....	7 50	
William Lewis.....	Iron work.....	23 21	
C. E. Harding.....	Lumber.....	13 06	
M. Clark.....	Labour at railing, ballasting Beacon, &c.....	27 50	
Harding & Hatheway.....	Lime and cement.....	5 95	
John Woodley.....	Boat.....	50 25	
R. P. & W. F. Starr.....	Coal.....	8 96	
D. W. Clark.....	On account repairs to Lighthouse.....	400 00	
Harrington & McKenzie.....	Room paper.....	1 92	
			1,325 76
	Carried forward.....		11,735 22

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—Continued.

		\$	cts.	cts.
Brought forward.....				11,735 22
<i>Bliss Island Light.</i>				
Jarvis Clark	12 months salary as Light-keeper.....	\$296	28	
Receiver-General.....	Superannuation tax on Keeper's salary..	3	72	
			300 00	
D. J. O'Dell	Fire brick, shingles and chimney collars		26 90	
J. R. Cameron & Co	Burners and wicks..		11 50	
Everitt & Butler	Cotton and towelling		6 36	
W. H. Thorne & Co.....	Paint and Oil.....		15 54	
C. E. Harding	Lumber.....		20 25	
T. McAvity & Sons.....	Ensign and drills		42 00	
Alex. Clark	Repairs to Lighthouse, &c.....		81 00	
Jarvis Clark	Carting oil, &c.....		11 50	
				515 05
<i>Bathurst Light.</i>				
John Connors.....	12 months salary as Light-keeper.....	\$148	12	
Receiver-General.....	Superannuation tax on Keeper's salary..	2	15	
			150 27	
P. Carroll	Repairs to Light-house.....		1,102 43	
James Mitchell.....	Freight.....		1 16	
H. W. Baldwin.....	Rent of ground used by Carroll		9 00	
J. R. Cameron & Co	Chimneys and burners.....		13 75	
				1,276 61
<i>Beaver Harbour Light.</i>				
Ezra Munro.....	12 months salary as Light-keeper.....	\$246	88	
Receiver-General.....	Superannuation tax on Keeper's salary..	3	12	
			250 00	
John Leonard.....	Freight on oil.....		5 00	
W. H. Thorne & Co.....	Paint and oil		11 23	
Geo. F. Everitt.....	Alcohol and soap.....		8 92	
G. Hevenor.....	Chimney tops		7 00	
Ezra Munro	Allowance for fuel, to 30th June, 1879.....		20 00	
do	Painting lantern.....		6 00	
				308 15
<i>Cape Enrage Light.</i>				
W. S. Starratt.....	12 months salary as Light-keeper.....	\$395	00	
Receiver-General.....	Superannuation tax on Keeper's salary..	5	00	
				400 00
<i>Caraquet Light.</i>				
Lonis Porlier.....	12 months salary as Light-keeper.....	\$197	52	
Receiver-General.....	Superannuation tax on Keeper's salary..	2	48	
			200 00	
Jas. Mitchell.....	Freight on boat.....		4 00	
Louis Porlier.....	Repairs to Lighthouse		12 70	
W. & G. Watt.....	Cotton, flannel and soap.....		23 05	
Thos. Stewart & Co.....	Re-silvering reflectors.....		60 00	
				299 75
<i>Cox's Point Light.</i>				
M. Y. Cox	12 months salary as Light-keeper.....		80 00	
T. McAvity & Sons.....	Oil, lead and brushes.....		45 77	
				125 77
Carried forward				14,660 55

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			14,660 55
<i>Cape Spencer Light.</i>			
Geo. C. Blacklock	12 months salary as Light-keeper.	\$395 00	
Receiver-General,	Superannuation tax on Keeper's salary..	5 00	
		400 00	
T. McAvity & Sons.....	Rope, chain, glass, &c.	86 61	
G. Heyenor	Repairing burners.....	0 50	
J. R. Cameron & Co.....	Chimneys.....	2 75	
E. & J. Power.....	Lumber.....	4 62	
Fred. Blacklock.....	Road work, carting supplies, oil and sand.....	54 90	
Everitt & Butler.....	Onaburg and toweling.....	8 20	
C. G. Berryman.....	Paint and oil.....	3 68	
E. Chanteloup.....	Brass wheel.....	4 50	
H. Anthony.....	Carting oil.....	5 00	
Thos. Stewart & Co.....	Re-silvering reflectors.....	56 00	
			626 76
<i>Cassie's Point Light.</i>			
Charles LeBlanc.....	12 months salary as Light-keeper.....	\$246 88	
Receiver-General.....	Superannuation tax on Keeper's salary..	3 12	
		250 00	
Chas. LeBlanc	Carting and painting	11 74	
Thos. Stewart.....	Re-silvering reflectors	92 00	
J. R. Cameron & Co.....	Chimneys.....	16 00	
			369 74
<i>Cape Enrage Fog Alarm.</i>			
W. S. Starratt.....	12 months salary as Engineer.....	\$395 00	
Receiver-General.....	Superannuation tax on Engineer's salary	5 00	
		400 00	
D. McLaughlan & Son....	Repairs to boiler	98 95	
T. McAvity & Sons.....	Tube-expander, fittings and whistle.....	152 51	
W. S. Starratt.....	Freight and repairs	51 58	
W. M. Smith	Travelling expenses inspecting boiler.	10 00	
Willis & Mott.....	Advertising.....	4 00	
Ellis, Robertson & Co.....	Advertising not sounding	4 00	
Daniel Tingley.....	Carting coal.....	56 75	
Sun Publishing Co	Advertising for new boiler.....	3 00	
Robert Tingley.....	10 cords of wood.....	40 00	
			820 79
<i>Dalhousie Light.</i>			
Louis Arseneaux	12 months salary as Light-keeper.....	100 00	
E. Chanteloup.....	Repairing Lamp.....	4 00	
W. & G. Watt.....	Cotton, flannel and stationery.....	19 75	
Thos. Stewart & Co.....	Re-silvering reflectors.....	30 00	
			153 75
<i>Escuminac Light.</i>			
Thomas Phillips.....	12 months salary as Light-keeper.	\$395 00	
Receiver-General.....	Superannuation tax on Keeper's salary..	5 00	
		400 00	
Francis Martin.....	Freight on oil.....	6 00	
W. & G. Watt	Stationery, rouge and pails.....	28 19	
Allen McEachren.....	Freight on cement.....	2 00	
John Morrissey.....	Horse hire.....	22 50	
James Fish.....	do	9 00	
James Gray.....	Repairing lamps.....	2 00	
J. R. Cameron & Co.....	Spirits of wine.....	2 00	
John Brander.....	On account contract removing Light.....	400 00	
			871 69
Carried forward.....			17,503 28

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				17,503	28
<i>Escuminac Fog Alarm.</i>					
Thomas Phillips.....	12 months salary as Engineer	\$395	00		
Receiver-General.....	Superannuation tax on Engineer's salary	5	00		
				400	00
James Mitchell.....	Freight on cement.....			1	35
T. McAvity & Sons.....	Cement and whistle.....			89	25
J. U. Gregory.....	To pay for 75 tons coal, \$142.50, and freight, \$200..			342	50
Thomas Phillips.....	Carting coal.....			27	25
James Mcbean.....	10 cords of wood.....			35	00
				886	35
<i>East Head Light.</i>					
E. P. Hamm.....	Salary from 11th February to 31st March.....			40	32
H. King.....	Carting supplies, oil, &c.....			6	75
Wm. Lewis.....	Ironing boat.....			2	50
S. & F. Roberts.....	Rope, life-buoy, paint and brushes.....			58	72
Emerson & Fisher.....	Chimney tops.....			8	25
John Woolley.....	New boat.....			50	25
Hugh Belmore.....	Freight.....			12	00
T. McAvity & Sons.....	Nails.....			3	80
S. G. Blizard.....	Lumber.....			30	00
				212	59
<i>Fox Island Light.</i>					
Wood Williston.....	12 months salary as light-keeper.....	\$296	28		
Receiver-General.....	Superannuation tax on Keeper's salary..	3	72		
				300	00
W. & G. Watt.....	Cotton, flannel, towels and chamois skins			48	50
James Fish.....	Horse hire.....			6	00
J. R. Cameron & Co.....	Chimneys.....			13	75
Wm. Williston.....	Carting lanterns and oil.....			16	00
				384	25
<i>Fox Island Light (Lower).</i>					
R. Reinsborrow.....	12 months salary as Light-keeper.....	\$197	52		
Receiver-General.....	Superannuation tax on Keeper's salary..	2	48		
				200	00
W & G. Watt.....	Cotton, towelling, paint and brushes			110	75
D. McNaughton.....	Rent of land to 1st July, 1878			40	00
J. R. Cameron & Co.....	Chimneys.....			11	50
R. Reinsborrow.....	Wood and carting.....			20	00
				382	25
<i>Fanjoy's Point Light.</i>					
Wm. Fanjoy.....	12 months salary as Light-keeper.....			80	00
G. Hevenor.....	Repairing lamps			0	80
J. R. Cameron & Co.....	Chimneys and burners.....			6	80
				87	60
<i>Grindstone Island Light.</i>					
John R. Stiles.....	12 months salary as Light-keeper.....	\$395	00		
Receiver-General.....	Superannuation tax on Keeper's salary..	5	00		
				400	00
T. McAvity & Sons.....	Brooms, cotton, pails and ensign.....			73	09
G. Hevenor.....	New lamp.....			15	10
J. R. Cameron & Co.....	Wicks.....			1	00
J. R. Stiles.....	Allowance for fuel for 1878-79			20	00
Mrs. James Clark.....	Rent of boat-house to 1st July, 1878			24	00
S. & F. Roberts.....	Oars.....			5	73
				538	02
Carried forward.....				19,456	32

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....		538	92	19,456	32
<i>Grindstone Island Light—Concluded.</i>					
Thomas Stewart & Co....	Re-silvering reflectors.....	112	00		
Harrington & McKenzie..	Room paper.....	3	50		
				654	42
<i>Gannet Rock Light.</i>					
W. B. McLaughlin.....	12 months salary as Light-keeper.....	\$823	20		
Receiver-General.....	Superannuation tax on Keeper's salary...	16	80		
		840	00		
W. B. McLaughlin.....	Boating, wood and water, labour and repairs.....	822	66		
T. McAvity & Sons.....	Iron, powder, lead, nails and lantern.....	803	77		
C. E. Harding.....	Lumber.....	608	53		
J. R. Cameron & Co.....	Chimneys and wicks.....	20	60		
Allan Bros.....	Car wheels, iron-axes, etc.....	50	82		
S. G. Blizard.....	Lumber.....	17	15		
D. W. Clark.....	Labour bills of carpenters, travelling expenses and rigging.....	336	25		
C. M. Bostwick.....	Provisions for Carpenters.....	23	30		
T. Rankin & Sons.....	Pilot bread.....	11	27		
G. Hevenor.....	Repairs to lamps.....	38	50		
Wm. Lewis.....	3 dozen hangers.....	3	60		
Chance Bros.....	Wheel and spindle.....	18	53		
				3,594	98
<i>Green Heat Light.</i>					
J. N. Williams.....	12 months salary as Light-keeper.....	80	00		
J. Armstrong.....	3 years rent of land, from 1875 to 1878.....	30	00		
				110	00
<i>Grant's Beach Light.</i>					
George Grant.....	12 months salary as Light-keeper.....	100	00		
J. R. Cameron & Co.....	Chimneys.....	20	50		
W. & G. Watt.....	Paint, oil, glass and putty.....	24	09		
				144	59
<i>Grand Manan Fog Alarm.</i>					
James Tatton.....	12 months salary as Engineer.....	\$693	72		
Receiver-General.....	Superannuation tax on Engineer's salary.....	6	28		
		700	00		
T. McAvity & Sons.....	Oil, canvas, whistle and valve.....	469	41		
S. G. Blizard.....	Lumber.....	121	32		
W. F. Nutter.....	Carting lumber.....	10	00		
George Tatton.....	Coal and wood, \$44; carting lumber, &c., \$15.....	69	00		
Murphy & Co.....	Galvanized smoke tops.....	1	50		
E. Gaskill.....	Lumber and locks.....	8	27		
C. F. Sumner.....	Labour and repairs.....	35	87		
Hugh Belmore.....	Freight on lumber.....	41	50		
C. E. Harding.....	Lumber.....	239	25		
W. H. Thorne & Co.....	Nails and spikes.....	17	06		
Fred. Nutter.....	Carting lumber.....	17	50		
J. R. Cameron & Co.....	Burners and chimneys.....	10	25		
				1,730	93
<i>Goose Lake Light.</i>					
D. J. B. Robicheaux.....	12 months salary as Light-keeper.....	\$246	88		
Receiver-General.....	Superannuation tax on Keeper's salary.....	3	12		
		250	00		
W. & G. Watt.....	Cotton-flannel and soap.....	23	50		
				273	05
Carried forward.....				25,964	29

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c, in New Brunswick, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward				25,964	29
<i>Grindstone Island Fog Alarm.</i>					
John R. Stiles	Salary from 15th April, 1878, to 31st March, 1879.	\$283	94		
Receiver-General	Superannuation tax on Engineer's salary ..	2	79		
Wisdom & Fish	Valves		286	73	
J. R. Stiles	Paid for wood, carting and freight		11	90	
Wm. Wood	Freight on 60 tons coal and boiler		101	78	
W. H. Thorne & Co.	Paint and oil		85	40	
C. E. Harding	Lumber		17	95	
W. M. Smith	Travelling expenses		14	00	
S. F. Stephens	Freight and supplies		19	48	
T. McAvity & Sons	Iron, valve, nails, copper, lead, etc.		8	00	
Ellis, Robertson & Co.	Advertising alterations		484	71	
T. McAvity & Sons	Pipe, 'ap, bolts and paint		5	25	
Armstrong Bros	Furnace bars		25	35	
J. R. Stiles	Blacksmith tools and freight		10	08	
			7	28	
				1,077	91
<i>Head Harbour Light.</i>					
H. McLaughlin	12 months salary as Light-keeper.	\$395	00		
Receiver-General	Superannuation tax on Keeper's salary ..	5	00		
			400	00	
D. J. O'Dell	Blocks, powder, shingles, etc.		49	45	
W. M. Smith	Travelling expenses, inspecting		19	00	
Robt. Booth	do do		50	00	
J. R. Cameron & Co.	Chimneys, burners and wicks		31	33	
Everitt & Butler	Cotton and towels		2	47	
W. H. Thorne & Co.	Paint and oil		12	28	
C. E. Harding & Co.	Lumber		15	81	
H. McLaughlin	Boarding Engineer, 5 days at 60c.		3	00	
Chas. Sieves	Boat		15	00	
Ellis, Robertson & Co.	Advertising fog bell		6	00	
T. McAvity & Sons	Alcohol, towels and freight		16	85	
O. G. Berryman	Rope and flannel		9	88	
H. McLaughlin	Allowance for fuel for 1878-79		25	00	
Wm. Galley	Repairing boat		5	00	
S. & F. Roberts	Ensign, paint and rope		60	73	
Harrington & McKenzie ..	Room-paper		3	92	
				725	72
<i>Heron Island Light.</i>					
John Dutch	12 months salary as Light-keeper	\$197	52		
Receiver General	Superannuation tax on Keeper's salary ..	2	48		
			200	00	
W. & G. Watt	Cotton, flannel and soap		19	75	
				219	75
<i>Hillsborough Wharf Light.</i>					
Abner Jones	12 months salary as Light-keeper		75	00	
do	Repairs and painting		12	82	
J. R. Cameron & Co	Chimneys		4	00	
				91	82
<i>Henry Point Light</i>					
Joseph Hendry	12 months salary as Keeper		80	00	
Thos. Stewart & Co.	Re-silvering reflectors		30	00	
				110	00
	Carried forward			28,189	49

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....				28,189	49
<i>Jourimain Light.</i>					
A. W. Bent.....	12 months salary as Light-keeper.....	\$283	93		
do	Increase of salary to 30 th Sept., 1878.....	12	35		
Receiver-General.....	Superannuation tax on Keeper's salary..	3	57		
				299	85
J. R. Cameron & Co	Chimneys and wicks		41	45	
A. W. Bent.....	Labour on drain and road, and freight.....		60	10	
W. & G. Watt.....	Cotton, Rannel and stationery.....		23	05	
				424	45
<i>Lightship, Maramichi.</i>					
T. Daly.....	12 months salary as Light-keeper.....	\$695	00		
Receiver-General.....	Superannuation tax on Keeper's salary ..	5	00		
				700	00
Wm Merry	Labour taking out ballast.....		5	50	
J. Harriman	do do		5	50	
Call & Millar.....	Towing		3	00	
J. H. Phinney	Stove pipes and oil can		4	08	
John McLeod	Lumber and taking ship out of water..	135	30		
R. Hutchinson.....	Hire of blocks, &c		20	00	
R. R. Call	Ironing boat, coal, oakum, oil, &c.....		43	07	
M. Savage	Hire of blocks and chain		12	00	
D. J. Ritchey.....	Labour, lumber, &c		10	55	
Thos. Stewart & Co.....	Re-silvering reflectors.....		40	00	
J. R. Cameron & Co	Burners		11	50	
James Gray.....	Lantern		1	75	
Wm. Ashford.....	400 gallons of water		2	00	
M. Russell.....	Repairs to Lightship.....	850	00		
Harrington & McKenzie..	Ruby glass		21	60	
W. & J. Anslow	Advertising		5	00	
				1,897	85
<i>La Tete Fog Alarm.</i>					
R. P. & W. F. Starr.....	Coal		116	70	
H. Duffell.....	do		12	80	
H. Belmore	Freight		37	50	
T. McAvity & Sons	H. se, copper wire, blocks, lead, &c.....		253	26	
Samuel Craig.....	Travelling expenses		8	00	
W. H. Thorne & Co.....	Handsaw and waste.....		14	05	
J. R. Cameron & Co	Lamps		12	00	
John Leonard.....	Freight		5	00	
Receiver-General.....	Superannuation tax		1	25	
				460	56
<i>Machias Seal Island Light.</i>					
David Webster.....	12 months salary as Light-keeper.....	\$193	72		
Receiver-General.....	Superannuation tax on Keeper's salary..	6	28		
				500	00
G. Hevenor.....	Repairing lamps and labour		53	95	
J. R. Cameron & Co	Wicks, chimneys, lantern and burners		45	08	
W. M. Smith	On account of labour bills, putting up new light, and travelling expenses		210	60	
D. Webster.....	Postage and travelling expenses		18	06	
D. J. O'Dell	Nails, &c.....		23	91	
A. J. McLoon	Boating		16	50	
C. E. Harding	Lumber		54	50	
T. McAvity & Sons.....	2 barrels of colza oil		113	00	
Wm. Lewis.....	Landing gear		15	00	
				1,050	60
Carried forward.....				32,022	95

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c, in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....		35,022 95
<i>Machias Seal Island Fog Alarm.</i>			
David Webster.....	12 months salary as Engineer.....	\$498 43	
do	Salary short in June and Sept. quarters.....	3 14	
			501 57
D. J. O'Dell.....	Freight and boating.....		10 80
T. McAvity & Sons.....	Fire clay, powder, boiler tubes, lathe, &c.....		1,113 93
C. W. Meloon.....	Freight and boating.....		96 75
Hugh Belmore.....	18 cords of wood landed on the island, at \$8.....		144 00
Allan Bros.....	Shafting.....		48 42
S. G. Blizzard.....	Lumber.....		212 54
J. N. Purdy.....	Expenses landing coal.....		12 00
D. McLaughlan & Son.....	Repairs to boiler.....		52 50
D. W. Clark.....	Repairs to track.....		856 22
Easty Alwood & Co.....	Boiler felt.....		22 21
Willis & Mott.....	Advertising.....		9 00
J. L. O. Sherrard.....	Boating labourers.....		18 00
Ellis, Robertson & Co.....	Advertising for lathe.....		3 00
David Webster.....	Fuse and blasting powder.....		16 85
A. J. Meloon.....	Boating.....		8 00
Wm. Lewis.....	Car wheels.....		61 75
Geo. Smith.....	Iron pinion.....		6 33
			3,193 87
<i>Miscou Light.</i>			
Robt. Rivers.....	12 months salary as Light-keeper.....	\$493 72	
Receiver-General.....	Superannuation tax on Keeper's salary.....	6 28	
			500 00
J. R. Cameron & Co.....	Chimneys and burners.....		35 25
Robt. Rivers.....	Repairs.....		127 59
W. & G. Watt.....	Cotton, flannel and towels.....		23 05
T. McAvity & Sons.....	Paint and oil.....		27 50
Wm. Taylor.....	Carting lamps.....		6 00
			719 39
<i>Middle Island Light.</i>			
David McEwen.....	12 month's salary as Light-keeper.....	\$296 28	
Receiver-General.....	Superannuation tax on Keeper's salary.....	3 72	
			300 00
W. & G. Watt.....	Rope, cotton and flannel.....		18 35
Thos. Stewart & Co.....	Re-silvering reflectors.....		34 00
J. R. Cameron & Co.....	Chimneys.....		11 50
James Gray.....	Burners.....		5 10
			368 95
<i>Miscou Fog Alarm.</i>			
Robt. Rivers.....	12 months salary as Engineer.....	\$296 28	
Receiver-General.....	Superannuation tax on Engineer's salary.....	3 72	
			300 00
J. U. Gregory.....	To pay for coal.....		292 50
Robt. Rivers.....	Labour, building coal shed, and freight.....		286 09
do	25 cords wood.....		78 67
T. McAvity & Sons.....	Whistle.....		65 00
J. W. Fraser.....	Repairing pump.....		15 00
			1,035 26
<i>Mark's Point Light.</i>			
Patrick Tomeys.....	12 months salary as Light-keeper.....		80 00
			80 00
	Carried forward.....		37,420 42

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog Whistles, &c., in New Brunswick, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				37,420	42
<i>Musquash Island Light.</i>					
Daniel Smith.....	12 months salary as Light-keeper.....	80	00		
G. Hevenor.....	Repairing lamps.....	1	00		
R. Barbour.....	Painting boat.....	7	50		
John Shannon.....	Taking care of building 20 days, at \$1.00.....	20	00		
J. R. Cameron & Co.....	Chamois skin, silver s.ap and cotton.....	25	41		
H. Belmore.....	Freight.....	5	00		
				138	91
<i>McManus Point Light.</i>					
Robt. McMann.....	12 months salary as Light-keeper.....	80	00		
G. Hevenor.....	Repairs to lamps.....	2	25		
J. R. Cameron & Co.....	Chimneys and wicks.....	12	00		
				94	25
<i>No Man's Friend Light.</i>					
E. Buzza.....	12 months salary as Light-keeper.....	80	00		
J. R. Cameron & Co.....	Burners, chimneys and wicks.....	7	80		
				87	80
<i>Neguac Light.</i>					
Wm. Morrison.....	12 months salary as Light-keeper.....	\$148	12		
Receiver-General.....	Superannuation tax on Keeper's salary..	1	88		
		150	00		
W. & G. Watt.....	Matches, cotton, paint and oil.....	68	08		
J. H. Phinney.....	Galvanized iron.....	1	56		
Wm. Morrison.....	Painting building.....	12	00		
Thos Stewart & Co.....	Re-silvering reflectors.....	6	00		
James Gray.....	Painting lantern.....	3	50		
				241	14
<i>Negro Town Point Light.</i>					
Elijah Ross.....	Salary from 1st April, 1878, to 31st March, 1879.....	\$197	52		
Receiver-General.....	Superannuation tax on Keeper's salary..	2	48		
		200	00		
J. R. Cameron & Co.....	Chimneys, lantern and wicks.....	30	11		
Thomas Mack.....	Freight on glass.....	0	60		
E. Chanteloup.....	Red glass.....	19	50		
G. Hevenor.....	Repairs to lamps and galvanized pipe.....	21	30		
T. McAvity & Sons.....	Polishing paste.....	1	80		
Emerson & Fisher.....	Stove.....	4	75		
Elijah Ross.....	Carting oil, etc.....	14	90		
S. & F. Roberts.....	Rope.....	1	80		
R. Barbour.....	Painting boat.....	7	50		
D. W. Clark.....	Removing light and erecting pole.....	342	95		
John Woodley.....	New boat.....	50	25		
Wm. Lewis.....	Ironing boat.....	2	50		
Sun Publishing Co.....	Advertising.....	6	00		
				703	96
<i>Oak Point Light, St. John River.</i>					
Chas. Theal.....	12 months salary as Light-keeper.....	80	00		
J. R. Cameron & Co.....	Chimneys.....	9	56		
Chas. Theal.....	Carting oil.....	4	50		
				94	06
<i>Oromocto Shoals Light.</i>					
J. K. Hazen.....	12 months salary as Light-keeper.....	80	00		
J. R. Cameron & Co.....	Burners and chimneys.....	9	50		
Harrington & McKenzie.....	Glass.....	1	45		
				90	95
Carried forward.....				38,871	49

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward				38,871	49
<i>Oak Point Light, Miramichi.</i>					
J. Coughlan	12 months salary as Keeper	100	00		
W. & G. Watt	White lead and oil	25	02		
J. R. Cameron & Co	Chimneys and burners	11	50		
James Gray	Glass and painting	8	10		
				144	62
<i>Partridge Island Light.</i>					
James Wilson	12 months salary as Light-keeper	\$395	00		
Receiver-General	Superannuation tax on Keeper's salary	5	00		
		400	00		
H. King	Boating supplies	196	40		
T. McAvity & Sons	White lead, oil, nails, &c.	97	90		
G. Hevenor	Repairing lantern, lamps, &c.	35	95		
J. R. Cameron & Co	Burners, chimneys and wicks	62	40		
Everitt & Butler	Cotton and flannel	18	10		
W. H. Thorne & Co.	Paint and oil	13	45		
Wm. Lewis	Blacksmith's work	16	85		
B. Findlay	Mason's work	7	00		
Thos. Stewart & Co.	Resilvering reflectors	56	00		
George Nixon	Glass and putty	4	30		
A. Cassidy	Painting Lighthouse	12	00		
S. & F. Roberts	Oars	3	00		
John Woodley	Repairs to boat	6	00		
S. G. Blizard	Lumber	57	58		
Harrington & McKenzie ..	Room paper	5	40		
				992	33
<i>Point Lepreaux Light.</i>					
Geo. Thomas	12 months salary as Light-keeper	\$395	00		
Receiver-General	Superannuation tax on Keeper's salary ..	5	00		
		400	00		
J. R. Cameron & Co	Burners, chimneys and wicks	19	90		
George Nixon	Room paper	7	56		
Everitt & Butler	Osnaburg and towelling	13	28		
S. G. Blizard	Lumber	48	05		
C. E. Harding	do	10	74		
T. McAvity & Sons	Ensign, hinges, latches, &c.	39	67		
Geo. Thomas	Repairing road, labour and lumber ..	39	50		
G. Hevenor	Galvanized iron chimney tops	4	90		
Harris Allan	Stove linings	2	00		
Harrington & McKenzie ..	Room paper	5	40		
				591	00
<i>Portage Island Light.</i>					
Hugh Murray	12 months salary as Light-keeper	\$197	52		
Receiver-General	Superannuation tax on Keeper's salary ..	2	48		
		200	00		
J. R. Cameron & Co	Burners and chimneys	13	75		
W. & G. Watt	Paint, oil, chamois skins and soap ..	83	66		
G. Hevenor	Galvanized iron and repairing lamps ..	5	90		
				303	31
<i>Preston's Beach Light.</i>					
Thos. Lewis	12 months salary as Light-keeper	100	50		
W. & G. Watt	Cotton, flannel and matches	63	11		
M. Preston	Rent of land	20	00		
Thos. Stewart & Co	Re-silvering reflectors	24	00		
J. R. Cameron & Co	Chimneys	13	75		
				220	86
Carried forward				41,123	61

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc. - *Continued.*

		\$ cts.	\$ cts.
Brought forward.....			41,123 61
<i>Point Lepreaux Fog Alarm.</i>			
W. A. Gallant.....	12 months salary as Engineer	\$444 36	
Receiver-General.....	Superannuation tax on Engineer's salary	5 64	
		450 00	
T. McAvity & Sons.....	Boiler tubes, whistle, valves, oil, &c.....	369 83	
Everitt & Butler.....	Osnaburg and towelling.....	6 63	
W. H. Thorne & Co.....	Paint and oil.....	15 50	
Wm. Clark.....	Carting oil and timber, labour, &c.....	80 30	
Wm. Thompson.....	Rent of land and boating.....	8 00	
C. E. Harding.....	Lumber.....	103 77	
J. R. Cameron & Co.....	Stove grate, chimneys, &c.....	15 76	
James Kelly.....	Labour.....	9 00	
W. H. Austin.....	Horse hire to Point Lepreaux, and expenses.....	12 50	
D. McLaughlan & Son.....	Repairing boiler.....	13 20	
Wm. Lewis.....	Tanks, valves, pipe, &c.....	134 50	
Wm. Gallant.....	Boarding boiler-maker 4 days.....	2 40	
Hugh Belmore.....	Freight.....	15 00	
Chas. Thompson.....	Labour.....	12 00	
			1,247 39
<i>Passamaquoddy Bay Light.</i>			
James Clark.....	12 months salary as Light-keeper	\$315 64	
Receiver-General.....	Superannuation tax on Keeper's salary.....	4 36	
		350 00	
James Clark.....	Boarding O. Conolly and boating water.....	14 10	
T. McAvity & Sons.....	Soap, paint, spikes, rope, &c.....	163 20	
O. Conolly.....	Painting and repairs.....	11 00	
A. D. Clark.....	Boating water &c.....	33 50	
E. S. Polley.....	Compass, nails, oars and paint.....	19 84	
George Gilly.....	Travelling expenses.....	11 50	
Wm. Shaw.....	Repairing boat.....	10 00	
J. R. Cameron & Co.....	Chimneys.....	8 20	
Robinson & Glenn.....	Lumber.....	3 51	
Levi Handy.....	Whitewashing station.....	6 00	
			630 85
<i>Point Miljic Light.</i>			
J. W. Diarmid.....	12 months salary as Light-keeper.....	\$197 52	
Receiver-General.....	Superannuation tax on Keeper's salary.....	2 48	
		200 00	
T. McAvity & Sons.....	Paint, brushes and oil.....	44 10	
E. Chanteloup.....	Lamp stand.....	91 00	
Thos. Stewart & Co.....	Re-silvering reflectors.....	20 00	
Angus Burgess.....	Labour—repairing bridge, removing trees, &c.....	30 00	
			385 10
<i>Pokemouche Light.</i>			
P. Robicheaux.....	12 months salary as Light-keeper.....	\$197 52	
Receiver-General.....	Superannuation tax on Keeper's salary.....	2 48	
		200 00	
W. & G. Watt.....	Stationery, matches and rope.....	62 25	
J. H. Harding.....	Travelling expenses.....	9 25	
P. Robicheaux.....	Repairs to foundation.....	84 00	
T. McAvity & Sons.....	Paint and oil.....	27 50	
J. R. Cameron & Co.....	Chimneys and burners.....	19 75	
			402 75
Carried forward.....			43,789 70

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			43,789 70
<i>Pea Point Light.</i>			
Alex. Davidson.....	12 months salary as Light-keeper.....	\$246 88	
Receiver-General.....	Superannuation tax on Keeper's salary..	3 12	
		250 00	
T. McAvity & Sons	White lead, rope, compass, lime, &c.....	137 64	
J. R. Cameron & Co	Chimneys, cotton and lamp	15 20	
G. Hevenor.....	Repairs to lamps.....	6 00	
George Nixon.....	Glass and putty	20 00	
Thos. Waycott.....	Freight on glass	1 00	
H. Bennett.....	Deed of land	75 00	
J. L. McCoskery.....	Stationery.....	3 75	
		508 59	
<i>Partridge Island Fog Alarm.</i>			
James Wilson.....	12 months salary as Engineer.....	\$395 00	
Receiver-General.....	Superannuation tax on Engineer's salary	5 00	
		400 00	
George Nixon.....	Room paper	2 52	
S. G. Blizard.....	Shingles	6 25	
T. McAvity & Sons.....	Tubes, whistle, valves, hose and fittings.....	463 94	
J. R. Cameron & Co	Chimneys and wicks	11 35	
James Wilson.....	Labour of men carrying water.....	28 00	
A. Sinclair.....	Water casks	1 75	
A. Duff	boating water	31 50	
Everitt & Butler	Cotton and flunnel	6 05	
H. King	Scowling, boating, carting, &c.....	536 25	
W. H. Thorne & Co.....	Paint and oil	15 33	
C. E. Harding	Lumber	51 02	
Mark Lester	Carpenter work	13 00	
C. Gregory.....	Towing scows	30 00	
S. Holly	Scow hire.....	18 12	
Andrew Lawson.....	Baskets	4 37	
George Gibs.....	Labour piling coal in sheds 21 days, at \$1 per day	21 00	
T. Cusack.....	Sinking well, 366 yards, \$823 50; digging drain, \$12 50.	836 00	
C. G. Berryman.....	Alcohol	2 85	
Harris Allau	Brass work	10 77	
J. M. Riley.....	Repairs to roof	11 20	
Geo. Fleming & Son.....	Casting, &c	9 83	
Geo. Smith.....	Repairs to whistle, 11 days.....	23 00	
Wm. Lewis.....	Iron bolts.....	18 65	
		2,566 75	
<i>Quaco Light.</i>			
Wm. Love.....	12 months salary as Light-keeper.....	\$395 00	
Receiver-General.....	Superannuation tax on Keeper's salary..	5 00	
		400 00	
T. McAvity & Sons.....	White lead, oil, brushes, springs, &c.....	33 00	
W. E. Skillen.....	Freight	5 19	
Wm. Love.....	Allowance for fuel, 1878-79	48 00	
A. G. Brown.....	Repairing bell	21 50	
Thos. Stewart & Co.....	Re-silvering reflectors	112 00	
		619 69	
<i>Richibucto Light.</i>			
Fabien Richard.....	12 months salary as Light-keeper.....	\$182 68	
Receiver-General.....	Superannuation tax on Keeper's salary..	2 32	
		185 00	
J. R. Cameron & Co.....	Chimneys.....	11 50	
		196 50	
Carried forward.....			47,681 23

STATEMENT of Expenditure in connectson with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			47,681	23
<i>Richibucto Beacons.</i>					
Pacifique Leger.....	Superannuation tax on Keeper's salary				0 21
<i>Robertson's Point Light.</i>					
Samuel Robertson.....	12 months salary as Light-keeper.....	80	00		
Thos. Stewart & Co.....	Re-silvering reflectors	60	00		
				140	00
<i>Saint Andrews Light.</i>					
Geo. Pendlebury.....	12 months salary as Light-keeper.....	\$296	28		
Receiver-General.....	Superannuation tax on Keeper's salary..	3	73		
				300	00
W. H. Thorne & Co.....	Paint and oil.....	14	96		
E. Polly	Chimneys	2	50		
Geo. Pendlebury.....	Allowance for fuel for 1878-79.....	20	00		
do	Lumber and wall paper	26	13		
T. McAvity & Sons.....	Soap, cotton and piping.....	75	16		
				438	75
<i>Swallow Tail Light.</i>					
J. W. Kent.....	12 months salary as Light-keeper.....	\$395	00		
Receiver-General	Superannuation tax on Keeper's salary..	5	00		
				400	00
G. Hevenor.....	Galvanized iron pipe, etc	13	80		
J. R. Cameron & Co	Chimneys, wicks and burners.....	115	40		
Everitt & Butler.....	Cotton and flannel	9	74		
W. H. Thorne & Co.....	Paint and oil	41	53		
T. McAvity & Sons	Blocks, cement, etc	41	88		
C. E. Harding	Lumber	23	00		
Wm. Lewis.....	Ironing boat.....	2	50		
E. Gaskill	Lumber.....	16	32		
D. J. O'Dell	Freight.....	0	40		
John Woodley.....	New boat and repairs.....	54	25		
J. W. Kent.....	Iron work.....	26	64		
				745	46
<i>Shediac Light.</i>					
M. Robinson	12 months salary as Light-keeper.....	\$246	88		
Receiver-General	Superannuation tax on Keeper's salary..	3	12		
				250	00
T. McAvity & Co.....	Paint and oil	27	35		
J. R. Cameron & Co.	Burners, wicks and reflectors.....	15	75		
				293	10
<i>Sand Point Light.</i>					
Robt. Clark.....	12 months salary as Light-keeper.....	80	00		
G. Hevenor.....	Repairing lantern.....	63	42		
J. R. Cameron & Co.....	Reflectors	1	20		
George Nixon.....	Glass	1	50		
				136	12
<i>Southern Wolf Light.</i>					
Edward Snell	12 months salary as Light-keeper.....	\$493	72		
Receiver General.....	Superannuation tax on Keeper's salary..	6	28		
				500	00
D. J. O'Dell	Paint, oil, lantern, stove pipe, etc.....	29	74		
				529	74
	Carried forward			49,434	87

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc. — *Continued.*

		\$	cts.	\$	cts.
Brought forward.		529	74	49,434	87
<i>Southern Wolf Light—Concluded.</i>					
T. McAvity & Sons.....	Iron, measures and glass	188	24		
Everitt & Butler.....	Cotton and flannel	9	89		
S. G. Blizzard	Lumber	4	45		
W. H. Thorne & Co.	Paint and oil	30	44		
Ira Hawkins	Labour on oil and coal.	14	00		
G. Hevenor	Repairing lumps.	1	50		
J. R. Cameron & Co.....	Chimneys	11	25		
E. Chanteloup	Brass wheel	4	50		
Thos. Stewart & Co.....	Re-silvering reflectors.....	84	00		
				922	01
<i>Shippegan Light.</i>					
F. H. Dumaresq.....	12 months salary as Light-keeper.	\$237	00		
Receiver-General.....	Superannuation tax on Keeper's salary..	3	00		
				240	00
F. H. Dumaresq.....	Repairs to lamps, wood, labour, etc.	11	46		
W. & G. Watt	Glass, putty and rope	32	59		
J. H. Harding	Travelling expenses	9	00		
T. McAvity & Sons.....	Paint and oil	4	05		
F. W. Alexander	Lumber and labour, building dam	400	00		
Burns, Adams & Co.....	Paint and oil	24	75		
J. H. Phinney	Pipe and elbows	8	95		
Thos. Stewart & Co.....	Re-silvering reflectors	80	00		
James Fish	Horse hire	12	00		
J. R. Cameron & Co.....	Chimneys and burners.....	16	00		
				877	00
<i>Shelbrake Island Light.</i>					
John McKay.....	12 months salary as Light-keeper	\$296	28		
Receiver-General.....	Superannuation tax on Keeper's salary..	3	72		
				300	00
W. & G. Watt.....	Cotton, paint, oil and matches.....	27	05		
Thos. Stewart & Co.....	Re-silvering reflectors.....	40	00		
J. R. Cameron & Co.....	Chimneys	13	75		
James Gray.....	do	13	13		
				393	93
<i>Spruce Point Light.</i>					
John Boyd	12 months salary as Light-keeper	80	00		
J. R. Cameron & Co.....	Chimneys, wicks, etc	9	00		
John Boyd	Lock and postage	2	95		
T. McAvity & Sons.....	Alcohol and towelling	23	22		
				115	17
<i>South Tracadie Light.</i>					
Joseph Forbes.....	12 months salary as Light-keeper.....	\$148	12		
Receiver-General.....	Superannuation tax on Keeper's salary..	1	88		
				150	00
J. R. Cameron & Co.....	Chimneys and burners.....	13	75		
				163	75
<i>St. John Signal Station.</i>					
Receiver-General.....	Superannuation tax	6	20		
R. Robertson & Sons.....	Bunting	7	50		
Andrew Lawson	Domition ensign.....	15	00		
A. Christie.....	Wood work.....	3	54		
R. P. & W. F. Starr.....	Coal.....	6	60		
Lane & McCarty.....	Labour.....	3	37		
				42	21
Carried forward.....				51,906	75

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....		42 21	51,906 75
<i>St. John Signal Station—Concluded.</i>			
T. McAvity & Sons.....	Chimneys and pail.....	1 85	
James Wilson.....	Repairing flags.....	13 00	
Wm. Lewis.....	Repairs, new pole and iron work.....	45 00	
Brundage & Jackson.....	Repairing signal ball.....	5 00	
Harris Allan.....	Brasswork.....	7 69	
R. Barbour.....	Glass and labour.....	9 60	
			124 35
<i>Tracadie Light.</i>			
Wm. Archer.....	12 months salary as Light-keeper.....	237 00	
Receiver-General.....	Superannuation tax on Keeper's salary.....	3 00	
		240 00	
Wm. Archer.....	Labour and supplies.....	33 26	
W. & G. Watt.....	Cotton, flannel and matches.....	21 96	
Wm. Archer.....	Allowance for fuel for 1878-'79.....	10 00	
J. H. Phinney.....	Stove pipe.....	13 55	
Wm. Ferguson.....	Paint and oil.....	6 04	
Joseph Forbes.....	Painting lighthouse.....	4 00	
R. & G. Young.....	9½ years' rent of land.....	97 50	
Thomas Stewart & Co.....	Re-silvering reflectors.....	92 00	
J. R. Cameron & Co.....	Chimneys, burners and wicks.....	20 75	
			539 06
<i>Tabusintac Light.</i>			
Thomas Savoy.....	12 months salary as Light-keeper.....	197 52	
Receiver General.....	Superannuation tax on Keeper's salary.....	2 48	
		200 00	
W. & G. Watt.....	Matches, rope and cotton.....	31 54	
Thos. Stewart & Co.....	Re-silvering reflectors.....	9 00	
Romain Savoy.....	Carting supplies.....	6 00	
			246 54
<i>Wilmot's Bluff Light.</i>			
J. D. Wilmot.....	12 months salary as Light-keeper.....	80 00	
do.....	Carting oil.....	5 00	
			85 00
Less Refunds—Amount paid William Booth.....		50 00	
Amount paid T. W. Anglin.....		7 50	
			52,803 70
			57 50
BUOYS AND BEACONS.			
GENERAL ACCOUNT.			
J. U. Gregory.....	To pay for anchors and chain.....	185 87	
T. W. Robinson.....	Storage on buoys, anchors and chain.....	136 66	
Albert Blaisdell.....	Buoy stones and removing buoys.....	108 05	
Wm. Lewis.....	Chain and ironing buoys.....	38 92	
R. A. & J. Stewart.....	Paint for can buoys.....	2 75	
Sun Publishing Co.....	Advertising tenders for buoys.....	2 00	
C. E. Harding.....	Storage on buoys.....	10 00	
J. D. Meloon.....	Horse hire.....	13 00	
			497 25
<i>Bathurst.</i>			
P. J. Hachey.....	Placing and lifting buoys, and chain, &c.....	129 91	
Prichard & Son.....	Chain.....	19 05	
			148 96
Carried forward.....			53,392 41

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			53,392 41
BUOYS AND BEACONS—Continued.			
<i>Buctouche.</i>			
John Keswick.....	New buoys, placing and lifting.....	180 00	
Prichard & Son.....	Chain and anchors.....	91 75	
			271 75
<i>Bell Buoy.</i>			
Wm. Lewis.....	Labour and repairs.....	69 50	
R. Barbour.....	Painting buoy.....	21 00	
T. McAvity & Sons.....	New bell.....	181 72	
John Sullivan.....	Tide work.....	7 00	
H. King.....	Boating.....	18 20	
Wm. Green.....	Lumber and labour.....	37 50	
Sun Publishing Co.....	Advertising.....	4 00	
			338 92
<i>Campbellton.</i>			
Wm. Watt.....	Lifting and placing.....	113 60	
Prichard & Son.....	Coal tar and anchors.....	49 00	
			162 60
<i>Caraquet.</i>			
B. Poulin.....	Placing and lifting buoys.....	268 00	
J. R. Stone.....	Expressage on chain.....	6 05	
Prichard & Son.....	Chain.....	45 55	
			319 60
<i>Cocaigne.</i>			
John Brooks.....	Scraping, painting and placing.....	58 92	
Prichard & Son.....	Chain.....	14 11	
			73 03
<i>Dalhousie.</i>			
Duncan McNeil.....	Placing and lifting.....	90 00	
A. J. Wallace.....	Rope and chain.....	36 70	
			126 70
<i>Dorchester.</i>			
J. B. McNeal.....	Grapling buoy.....	5 00	
William Wood.....	Lifting and placing buoys.....	36 00	
Frank Burk.....	Stone for buoys.....	5 00	
Joseph Hickman.....	Paint and oil.....	7 93	
			53 93
<i>Dead Man's Head.</i>			
C. E. Harding.....	1 spar buoy.....	12 00	
Hugh Belmore.....	Freight and placing buoy.....	12 00	
			24 00
<i>Grand Manan.</i>			
Jas. A. Pettes.....	Placing buoys.....	116 00	
Wm. Lewis.....	Ironing buoys.....	2 50	
			118 50
Carried forward.....			54,881 44

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward			54,881 44
BUOYS AND BEACONS—Continued.			
<i>Grand Lake.</i>			
T. McAvity & Sons	Paint and oil.....	12 45	
Robt. McMan	Lifting and placing buoys.....	45 00	
F. J. Purdy.....	do do	38 50	
			95 95
<i>Hopewell.</i>			
L. G. Stewart.....	Picking up buoy	15 00	
Joseph McAlmon.....	Making and placing buoy.....	24 00	
			39 00
<i>Harvey.</i>			
William Wood.....	Lifting and placing buoy.....	55 00	
Prichard & Son	Chain.....	56 44	
			111 44
<i>Lepreaux.</i>			
C. E. Harding.....	2 spar buoys	24 00	
Hugh Belmonte.....	Freight and placing buoys.....	10 00	
			34 00
<i>Miramichi.</i>			
Joseph Breaux.....	Picking up buoy and placing..	13 00	
M. Martin	Placing and lifting buoys.....	256 00	
James Wells.....	Placing buoys	180 00	
Dudley Wells.....	Placing horse shoe buoy	8 00	
James Currie.....	3 buoy stones.....	15 00	
James Mac.....	Iron work	4 50	
Alex. Mills.....	Repairing buoy.....	5 00	
J. F. Boston	Chain	16 80	
John McCullen.....	Placing buoy.....	8 00	
T. McAvity & Sons.....	Hoop iron	14 63	
Wm. Hay	Chain and repairs to buoys.....	357 06	
H. A. Muirhead.....	Chain.....	8 46	
James Neilson.....	On account of contract.....	200 00	
			1,086 45
<i>Musquash.</i>			
C. E. Harding.....	2 spar buoys.....	24 00	
Hugh Belmonte.....	Freight and placing buoys.....	10 00	
			34 00
<i>Neguae.</i>			
Joseph Breaux.....	Placing buoys.....		43 00
<i>Pokemouche.</i>			
Prichard & Son.....	Chain	91 54	
Peter Hachie.....	Freight on chain.....	8 10	
			99 64
<i>Reed's Point Lamps.</i>			
C. E. Harding	Lumber.....		1 99
Carried forward			56,426 91

STATEMENT of Expenditure in connection with the Maintenance of Light-houses, Fog-Whistles, &c., in New Brunswick, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			56,420 91
BUOYS AND BEACONS—Concluded			
<i>Richibucto.</i>			
J. A. Jardine.....	Lifting buoys.....	83 15	
Prichard & Son.....	Chain.....	17 24	
			100 39
<i>Shippegan.</i>			
Peter DeGrace.....	Placing and lifting buoys and chain.....		97 24
<i>Sheмоque.</i>			
Prichard & Son.....	Chain.....		34 25
<i>Shediac.</i>			
E. P. White.....	Chain, placing and lifting buoys.....		81 25
<i>Saint Andrews.</i>			
John Bolson.....	Placing buoys.....		68 75
<i>Saint George.</i>			
James Dick.....	New buoys, ironing, painting and placing.....	350 66	
J. C. Young.....	Replacing buoy.....	10 00	
John Bolson.....	New buoys and placing.....	7 00	
T. McAvity & Sons.....	Paint and oil.....	17 00	
Prichard & Son.....	Chain and iron.....	61 84	
			509 50
<i>Saint Stephen.</i>			
Chas. Young.....	Placing and lifting buoys.....		72 16
<i>Tracadie.</i>			
Wm. Ferguson.....	Lifting buoys.....	8 00	
Alex. Gaulin.....	Iron work.....	2 01	
P. Ferguson.....	New buoy, chain and placing.....	41 00	
Vital Arceneaux.....	Placing buoys.....	57 56	
			108 57
Total.....			\$57,499 02

WM. SMITH,
Deputy Minister of Marine and Fisheries

JOHN TILTON,
Accountant.

APPENDIX No. 5.

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Maintenance of Light-
houses, Steam Fog-Whistles, &c., in Nova Scotia, for the Fiscal Year
ended 30th June, 1879.

			\$ cts.	\$ cts.
<i>Superintendent of Light-houses.</i>				
Edward Roche	12 months salary as Superintendent.....	\$1,176 00		
do	do superannuation tax.....	24 00		
do	Travelling expenses		1,200 00	
H Dolby	do do		201 12	
			53 18	1,454 30
<i>Amet Island.</i>				
H. G. Bennett	12 months salary as Light-keeper.....	\$493 76		
do	do superannuation tax.....	6 24		
W. Crawford & Son.....	Cement.....		500 00	
Carvell Bros.....	Freight on cement, &c.....		160 00	
			24 80	684 80
<i>Annapolis.</i>				
W. E. Ellis.....	12 months salary as Light-keeper.....	\$795 00		
do	do superannuation tax.....	5 00		
do	Cartage and supplies, &c.....		800 00	
C. N. Hughes.....	Lantern, chimneys and storage.....		18 42	
			3 73	822 15
<i>Apple River.</i>				
Jas. Tate.....	12 months salary as Light-keeper.....	\$375 28		
do	do superannuation tax.....	4 72		
do	Painting, repairs, &c.....		380 00	
White & Simmonds.....	Stove and pipe		22 84	
			21 75	424 59
<i>Arichat.</i>				
Chris. Costé.....	12 months salary as Light-keeper.....	\$246 88		
do	do superannuation tax	3 12		
do	Painting, repairs, &c		250 00	
			19 55	269 55
<i>Argyle.</i>				
H. H. Hamilton.....	12 months salary as Light-keeper.....	\$345 64		
do	do superannuation tax	4 36		
				350 00
<i>Barrington.</i>				
Jas. Smith.....	12 months salary as Light-keeper.....	\$375 28		
do	do superannuation tax.....	4 72		
do	Building landing as per contract.....		380 00	
do	Painting, &c.....		200 00	
			20 48	600 48
Carried forward				4,605 87

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				4,605	87
<i>Beaver Island.</i>					
J. W. Hall.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
R. Donohoe.....	Capstan.....			13	00
Alex. Smith	Freight on supplies.....			5	00
					418 00
<i>Betty's Island.</i>					
P. Christian.....	12 months salary as Light-keeper.....	\$493	76		
do	do superannuation tax	6	24		
				500	00
do	Cartage on oil.....			8	50
					508 50
<i>Bird Island.</i>					
Angus Ross.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax	5	00		
				400	00
W. M. Ross.....	Boat.....			32	00
					432 00
<i>Black Rock.</i>					
Jas. Robinson.....	12 months salary as Light-keeper	\$355	52		
do	do superannuation tax.....	4	48		
					360 09
<i>Black Rock Point.</i>					
D. Morrison	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....	4	36		
				350	00
do	Building breastwork, &c.....			104	80
					454 80
<i>Boars Head.</i>					
H. M. Ruggles.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
Brookfield Bros	Cement.....			4	65
					404 65
<i>Bon Portage.</i>					
A. M. Wrayton.....	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax	4	36		
				350	00
do	On account road.....			100	00
do	Carting and boating oil			34	00
J. Rogers & Co.....	Ventilator			0	50
					484 50
<i>Brier Island.</i>					
Jos. Suthern	12 months salary as Light-keeper.....	\$454	28		
do	do superannuation tax	5	72		
				460	00
Burrill, Johnston & Co.	Hardware.....			3	25
					463 25
Carried forward.....					8,131 57

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc. —Continued.

		\$ cts.	\$ cts.
Brought forward.			8,131 57
<i>Brooklyn Pier.</i>			
J. Gardiner.....	Attendance as Light-keeper from 1st March, 1878, to 30th June, 1879.....	257 50	
do	Glass, freight on supplies.....	3 98	
S. T. N. Sellon.....	Labour at tanks, horse hire, etc.....	9 00	270 48
<i>Burnt Coat.</i>			
Wm. Faulkner.....	12 months salary as Light-keeper.....	\$246 88	
do	do superannuation tax.....	3 12	
do	Repairs, lumber, shingles, etc.....	250 00 27 75	277 75
<i>Barrington Light Vessel.</i>			
J. K. Kenny.....	12 months salary as Light-keeper.....	\$496 24	
do	do superannuation tax.....	3 76	
do	Painting.....	500 00 15 00	
J. R. Smith.....	Freight on supplies.....	1 18	516 18
<i>Canso Harbour.</i>			
Thos. Langley.....	6 months salary as Light-keeper.....	\$98 76	
do	do superannuation tax.....	1 24	
Thos. Power.....	do salary as Light-keeper.....	\$98 76	100 00
do	do superannuation tax.....	1 24	
G. F. Oliver.....	Repairing boat.....	100 00 4 00	204 00
<i>Cape Canso.</i>			
Jas. Dillon.....	12 months salary as Light-keeper.....	\$493 76	
do	do superannuation tax.....	6 24	
A. N. Whitman.....	Boating supplies.....	500 00 2 28	
do	Boat.....	25 00	
Alex. Roberts.....	Freight on supplies.....	2 00	529 28
<i>Cape George.</i>			
Norman Murray, ..	12 months salary as Light-keeper.....	\$197 52	
do	do superannuation tax.....	2 48	
<i>Cape Le Ronde.</i>			
C. Latimer.....	12 months salary as Light-keeper.....	\$296 28	
do	do superannuation tax.....	3 72	
do	Painting, carting supplies.....	300 00 16 05	
do	Digging well, building porch.....	74 50	
Carried forward.....			390 55
			10,519 81

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				10,519	81
<i>Cape North.</i>					
J. McKinnon.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
do	Painting, and hauling supplies		400	00	
do	Labour, underpinning cellar.....		22	00	
E. Dauphince.....	Freight on supplies per schooner "Mary Louise"....		11	60	
			1	74	
				435	34
<i>Cape Sable.</i>					
Isaac Doane	12 months salary as Light-keeper.....	\$794	00		
do	do superannuation tax.....	6	00		
do	Painting, cartage, etc.....		800	00	
			25	25	
				825	25
<i>Cape St. George.</i>					
David Condon.....	12 months salary as Light-keeper.....	\$474	00		
do	do superannuation tax.....	6	00		
do	Painting, repairing well.....		480	00	
J. Davison.....	Flooring		62	75	
J. Bowser.....	Oil-stone, repairs, etc.....		4	04	
			69	65	
				616	44
<i>Cape St. Mary's.</i>					
M. Robichaux.....	12 months salary as Light-keeper.....	\$493	76		
do	do superannuation tax.....	6	24		
			500	00	
Burrill, Johnston & Co..	Repairing clockwork.....		9	12	
				509	12
<i>Carribou Island.</i>					
A. Munro.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
			400	00	
D. McCulloch.	Protection work, lumber, logs, iron work, &c.....		258	29	
				658	29
<i>Carter's Island.</i>					
Jas. Llyod	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax.....	3	12		
do	Painting dwelling.....		250	00	
			9	75	
				259	75
<i>Chebucto Head.</i>					
E. Johnson.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
do	Labour on oil, &c.....		400	00	
			13	25	
				413	25
Carried forward.....				14,237	25

**STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.**

		\$ cts.	\$ cts.
Brought forward.....			14,237 25
<i>Chester.</i>			
Edw. Young.....	12 months salary as Light-keeper	\$395 00	
do	do superannuation tax.....	5 00	
			400 00
do	Repairing boat, labour, &c.....		8 00
do	Painting.....		10 00
			418 00
<i>Cheticamp.</i>			
Edw. Briard	12 months salary as Light-keeper	\$345 64	
do	do superannuation tax.....	4 36	
			350 00
P. Robin & Co	Vane regulator, bolt, shingles, &c.....		20 30
W. S. Symonds & Co.	Sheet iron, &c.....		18 52
			388 82
<i>Country Harbour.</i>			
J. A. Foster.....	12 months salary as Light-keeper	\$395 00	
do	do superannuation tax.....	5 00	
			400 00
<i>Cross Island.</i>			
G. E. Smith.....	12 months salary as Light-keeper.....	\$454 28	
do	do superannuation tax	5 72	
			460 00
Shand & Ferguson	Chimneys.		1 50
C. Burns.....	Freight and truckage.....		7 21
			468 71
<i>Church Point.</i>			
J. McLaughlin.....	Salary as Light-keeper to 8th Aug, 1878	\$25 22	
do	Superannuation tax	0 23	
			25 45
J. H. Saulnier.....	Salary from 9th Aug., '78, to 9th June, '79	\$172 30	
do	Superannuation tax.....	2 25	
			174 55
W. Burrell & Co.....	Stove and pipe.....		20 00
			220 00
<i>Creighton's Head.</i>			
H. H. Crichton.....	12 months salary as Light-keeper.....	\$197 52	
do	do superannuation tax.....	2 48	
			200 00
do	Protection work.....		15 00
S. Vigneau.	Repairs to Lighthouse, iron work, shingles, &c.....		95 66
			310 66
<i>Devil's Island.</i>			
B. Fulker.....	12 months salary as Light-keeper	\$493 76	
do	do superannuation tax.....	6 24	
			500 00
do	Painting and labour at oil.....		35 50
do	3 cords wood, \$9.00; coal, 90cts.....		9 90
			545 40
Carried forward.			16,988 84

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$	cts.	\$	cts.
Brought forward.....				16,988	84
<i>Egg Island.</i>					
Wm. Condon.....	12 months salary as Light-keeper.....	\$493	76		
do	do superannuation tax.....	6	24		
				500	00
do	Boat.....			20	00
do	Painting.....			36	00
John Walker.....	Balance, erecting lantern.....			62	72
Geo. Adams.....	Travelling expenses, labour of machinists and smiths.....			151	24
S. Dooks.....	Freight, sand, &c.....			1	50
Wm. Dean.....	Repairing boat.....			9	50
R. A. Nesbitt.....	Medicine chest.....			12	00
R. Abbott.....	Block.....			2	08
				795	04
<i>Fish Island.</i>					
J. White.....	12 months salary as Light-keeper.....	\$276	52		
do	do superannuation tax.....	3	48		
				280	00
<i>Flint Island.</i>					
B. Heney.....	12 months salary as Light-keeper.....	493	76		
do	do superannuation tax.....	6	24		
				500	00
T. P. Jones & Co.....	Freight on supplies.....			4	00
White & Simmonds.....	Stove and pipe.....			26	10
R. Abbott.....	Blocks.....			9	50
				539	60
<i>Fort Point.</i>					
S. T. N. Sellon.....	12 months salary as Light-keeper.....	237	00		
do	do superannuation tax.....	3	00		
				240	00
do	Repairs paid for carpenters and masons.....			87	79
				327	79
<i>Green Island.</i>					
Wm. Duann	12 months salary as Light-keeper.....	493	76		
do	do superannuation tax.....	6	24		
				500	00
<i>Gull Rock.</i>					
L. D. Orchard.....	12 months salary as Light-keeper.....	395	00		
do	do superannuation tax.....	5	00		
				400	00
do	Repairing boat, rope, &c.....			20	77
R. A. Nesbit.....	Medicine chest.....			12	00
				432	77
<i>Guysborough.</i>					
G. S. Peart.....	12 months salary as Light-keeper.....	217	28		
do	do superannuation tax.....	2	72		
				220	00
<i>George's Island.</i>					
Robt. Ross.....	12 months salary as Light-keeper.....				
				150	00
				20,234	04

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward				20,234	04
<i>Grand Narrows.</i>					
S. McNeil	12 months salary as Light-keeper.....	118	52		
do	do superannuation tax	1	48		
				120	00
W. S. Symonds & Co.....	Zinc roof.....			2	75
					122 75
<i>Guyon Island.</i>					
R. Winton	12 months salary as Light-keeper.....	493	76		
do	do superannuation tax.....	6	24		
					500 00
<i>Horton Bluff.</i>					
C. R. Rathburn.....	12 months salary as Light-keeper.....	246	88		
do	do superannuation tax.....	3	12		
				250	00
H. M. D. Pearman.....	Truckage and freight.....			2	00
					252 00
<i>Ingonish.</i>					
L. McDougall.....	12 months salary as Light-keeper.....	414	76		
do	do superannuation tax	5	24		
				420	00
Irish & Smith.....	Hardware, rope, &c			6	72
Moir, Son & Co.....	Labour at supplies			6	00
					432 72
<i>Ironbound Island.</i>					
Enos Wolf.....	12 months salary as Light-keeper.....	355	52		
do	do superannuation tax	4	48		
do	Boarding carpenters.....			360	00
do	Teaming			144	50
do .....	.....			22	50
J. Bowser.....	Building addition to lighthouse, shingling and repairs			647	35
P. Walsh	Nails, spikes, &c.....			44	44
J. Hogan & Sons.....	Lumber for repairs.....			159	37
					1,378 16
<i>Isle au Haut.</i>					
N. Card.....	12 months salary as Light-keeper.....	495	00		
do	do superannuation tax	5	00		
do	Boarding labourers.....			500	00
do	Chain			78	00
Silas Townsend.....	.....			7	20
G. Flower & Son.....	Boat, sails, blocks, &c.....			11	90
R. Abbott	Blocks			6	70
W. S. Symonds & Co.....	Weights, weight bucket, &c.....			55	80
J. Magranaham.....	Conveyance, freight and despatches.....			20	00
Wm. Early.....	Freight and cartage of supplies.....			5	48
W. Stairs, Son & Morrow.....	Wire rope.....			1	78
R. Card.....	Labour on road.....			77	75
C. W. Card.....	do			77	25
					841 86
Carried forward.....				23,761	53

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
		Brought forward.....			23,761 53
<i>Isaacs Harbour.</i>					
C. W. Bigby.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax.....	2	48		
				200	00
do	Boating and storing oil.....			6	00
					206 00
<i>Jerseyman's Isle.</i>					
S. Babin.....	12 months salary as Light-keeper.....	\$296	28		
do	do superannuation tax.....	3	72		
				300	00
S. Vigneau.....	Building chimney, repairs to ceiling.....			12	70
					312 70
<i>Kidstone Island.</i>					
D. McRae.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax.....	2	48		
				200	00
C. J. Campbell..	Oil.....			12	32
					212 32
<i>Liscomb.</i>					
S. Crooks.....	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....	4	36		
					350 00
<i>Little Hope.</i>					
A. McDonald.....	12 months salary as Light-keeper.....	\$493	76		
do	do superannuation tax.....	6	24		
				500	00
Anderson & Bell.....	Repairs to landing.....			72	24
					572 24
<i>Liverpool.</i>					
C. W. Firth.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
do	Painting buildings.....			400	00
F. D. Corbett & Co.....	Salt, barrels, &c.....			75	01
Hammond & McLeod.....	Lumber, shingles and labour.....			1,254	90
G. Adams.....	Fitting new clock, lamp, floor, &c.....			235	60
J. E. Morris.....	Travelling expenses.....			27	00
J. R. & B. Seeton.....	Hauling and boating lumber.....			84	92
do	Boarding carpenters 34½ weeks at \$3.50.....			120	33
					2,228 51
<i>La Have.</i>					
W. H. Palmer.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax.....	2	48		
					200 00
<i>Lingan Head.</i>					
J. Quinn.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax.....	2	48		
do	Painting.....			200	00
do	Repairs, making ladder, &c.....			11	50
					10 50
					222 00
					28,065 30
					28,065 30

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			28,065 30
<i>Louisburg.</i>			
I. Kavanagh.....	12 months salary as Light-keeper.....	\$454 28	
do	do superannuation tax.....	5 72	
		460 00	
do	Labour at supplies.....	3 00	
A. H. Crowe.....	Truckage of lantern, machinery and oil.....	9 00	
		472 00	
<i>Low Point.</i>			
J. G. Peters.....	12 months salary as Light-keeper.....	\$454 28	
do	do superannuation tax.....	5 72	
		460 00	
do	Hauling supplies.....	4 25	
R. J. Ingraham.....	Lumber, hardware, paint, labour, &c.....	432 06	
		896 31	
<i>Lunenburg.</i>			
J. A. Ernst.....	12 months salary as Light-keeper.....	\$296 28	
do	do superannuation tax.....	3 72	
		300 00	
N. Townsend..	Freight on oil.....	3 60	
J. K. Gould.....	Rent of land.....	0 24	
C. Burns.....	Painting and repairing well.....	19 95	
		323 79	
<i>Mahone Bay.</i>			
A. Zinc.....	12 months salary as Light-keeper.....	\$246 88	
do	do superannuation tax.....	3 12	
		250 00	
A. McKay.....	Repairs to lantern.....	71 70	
J. Davison.....	Lumber for oil store.....	67 36	
E. Moseley.....	Erecting lantern store, tank and building landing.....	635 96	
B. Hyson.....	Freight on materials.....	3 00	
J. Zinc.....	Cartage.....	8 00	
do	Boarding carpenters 29 weeks, at \$3 75.....	108 75	
E. Bartley.....	Blacksmith's work.....	15 12	
		1,159 89	
<i>Main-à-Dieu.</i>			
J. Burke.....	12 months salary as Light-keeper.....	\$296 28	
do	do superannuation tax.....	3 72	
		300 00	
do	Labour on lantern and stores.....	11 00	
		311 00	
<i>Margaree.</i>			
J. McFarlane.....	12 months salary as Light-keeper.....	\$395 00	
do	do superannuation tax.....	5 00	
		400 00	
do	Painting and repairs.....	29 57	
J. W. Allan.....	Lumber.....	35 84	
Theakston & Angevin.....	Lead, zinc, oil, &c.....	19 53	
J. Hogan & Son.....	Shingles and brick.....	48 40	
J. Bowser.....	Labour and materials for repairing.....	189 30	
		732 64	
Carried forward.....			31,960 93

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....			31,960 93
<i>Margaretsville.</i>			
Wm. Early.....	12 months salary as Light-keeper.....	\$227 12	
do	do superannuation tax.....	2 88	
		230 00	
do	Under-pinning, freight, &c.....	12 02	
J. Rogers & Co.....	Altering lamps.....	1 00	
J. Ray.....	Freight on supplies.....	2 33	
			245 35
<i>Moser's Island.</i>			
H. Moser.....	12 months salary as Light-keeper.....	444 40	
do	do superannuation tax.....	5 60	
			450 00
<i>Mullin's Point.</i>			
Z. Mullins.....	12 months salary as Light-keeper.....	\$148 12	
do	do superannuation tax.....	1 88	
		150 00	
do	Repairs, truckage, &c.....	7 75	
			157 75
<i>McKenzie's Point.</i>			
D. J. McKay.....	12 months salary as Light-keeper.....	\$158 00	
do	do superannuation tax.....	2 00	
		160 00	
do	Boat.....	8 00	
do	Truckage, wharfage, &c.....	3 00	
			171 00
<i>Meteghan.</i>			
L. C. Courneau.....	12 months salary as Light-keeper.....	100 00	
do	Oil.....	2 50	
			102 50
<i>Meaghers Beach.</i>			
E. Horn.....	12 months salary as Light-keeper.....	\$465 53	
do	do superannuation tax.....	5 30	
		470 83	
do	Repairs.....	33 83	
John Suttis.....	20 cords of hardwood, at \$5.....	100 00	
J. W. Allan.....	Shingles.....	2 00	
			606 66
<i>Margaret's Bay.</i>			
A. Pearl.....	12 months salary as Light-keeper.....	\$493 76	
do	do superannuation tax.....	6 24	
		500 00	
do	Scantling, labour at oil.....	8 30	
			508 30
<i>Negro Island.</i>			
J. McKinnon.....	12 months salary as Light-keeper.....	\$197 52	
do	do superannuation tax.....	2 48	
		200 00	
do	Building landing.....	50 00	
Levi Hart.....	Painting lighthouse and dwelling.....	25 00	
			275 00
Carried forward.....			34,477 49

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
		Brought forward.....			34,477 49
<i>North Canso.</i>					
Geo. McKay	12 months salary as Light-keeper.....	\$454	28		
do	do superannuation tax.....	5	72		
				460	00
P. Power & Co.....	Trucking oil			1	06
<i>Quetique Island.</i>					
C. Sampson	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....	4	36		
				350	00
do	Building breakwater and making road.....			25	00
do	Painting.....			12	25
<i>Oak Point or Kingsport.</i>					
W. J. Phipps.....	1 month's salary as Light-keeper, to 30th June, '79.....				29 16
<i>Parrsboro'.</i>					
J. H. Newcomb.....	12 months salary as Light-keeper.....	\$335	76		
do	do superannuation tax.....	4	24		
				340	00
do	Hauling supplies.....			4	50
do	Labour on breakwater			9	25
do	Painting, &c.....			3	25
<i>Peggy's Point.</i>					
S. Massie.....	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....	4	36		
				350	00
do	Paid for repairs to lantern, deck, &c.....			17	90
<i>Pictou.</i>					
J. D. Lowden.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
do	Painting Lighthouse and dwelling.....			50	00
F. MacLellan..	Stone			18	00
<i>Pictou Island.</i>					
A. Hogg.....	12 months salary as Light-keeper.....	\$454	28		
do	do superannuation tax.....	5	72		
				460	00
do	Painting.....			10	50
<i>Pictou Custom House.</i>					
D. Fraser.....	Quarter's salary, to 30th June, 1879.....			46	67
G. Adams	Gas-burners and chimneys.....			10	98
Pictou Gas Co.....	Gas.....			140	64
198 29					
		Carried forward.....			37,216 65

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c, in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				37,216	65
<i>Point Tupper.</i>					
J. McDonald.....	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax.....		3 12		
do	Painting and glazing.....		250 00		
J. Bowser.....	Repairs and erecting lantern.....		15 00		
J. W. Allan.....	Lumber.....		162 92		
Theakeston & Angevin.....	Nails, zinc and lead.....		23 55		
J. Hogan & Sons.....	Shingles.....		31 99		
			17 45		
				500	91
<i>Pope's Harbour.</i>					
J. Bulling.....	12 months salary as Light-keeper.....	\$296	28		
do	do superannuation tax.....		3 72		
				300	00
<i>Petit de Grat.</i>					
F. Boudrot.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax.....		2 48		
				200	00
<i>Pomket Island.</i>					
C. A. Chisholm.....	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....		4 36		
				350	00
<i>Port L'Ebert.</i>					
J. McDonald.....	12 months salary as Light-keeper.....			100	00
<i>Port Hood.</i>					
T. Power.....	12 months salary as Light-keeper.....	\$276	48		
do	do superannuation tax.....		3 52		
				280	00
<i>Port Medway.</i>					
R. Perry.....	12 months salary as Light-keeper.....	\$256	76		
do	do superannuation tax.....		3 24		
do	Chimneys, ladder, etc.....		260 00		
J. Bowser.....	Repairs to Lighthouse.....		9 55		
Irish & Smith.....	Nails, zinc, etc.....		186 00		
			8 75		
				464	30
<i>Port Williams.</i>					
J. M. Dunn.....	12 months salary as Light-keeper.....	\$256	76		
do	do superannuation tax.....		3 24		
				260	00
<i>Pubnico.</i>					
M. Amero.....	12 months salary as Light-keeper.....	\$237	00		
do	do superannuation tax.....		3 00		
				240	00
Carried forward.....				39,911	86

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward			39,911 86
<i>Pugwash.</i>			
A. Beaton.....	6 months salary (from 1st January to 30th June, 1879) as Light-keeper.....	\$148 14	
do	do superannuation tax.....	1 86	
			150 00
do	Freight on supplies.....		1 51
do	Oil, paint, nails, etc.....		4 67
R. F. Bent.....	6 months salary (1st July to 31st December, 1878) as Light-keeper.....	\$148 14	
do	do superannuation tax.....	1 86	
			150 00
do	Freight on supplies.....		7 84
do	Painting		15 00
do	Boat-sail and anchor		5 00
do	Paid for taking care of Lighthouse during late keeper's illness.....		15 00
do	Building wall.....		50 00
			399 02
<i>Point Acon.</i>			
G. Bonner.....	12 months salary as Light-keeper.....	\$148 12	
do	do superannuation tax.....	1 88	
			150 00
do	Painting, coal bin, etc.....		18 52
do	Pointing foundation, chimney, windows, etc.....		6 20
			174 72
<i>Port Mouton.</i>			
R. J. Smith.....	12 months salary as Light-keeper.....	\$296 28	
do	do superannuation tax.....	3 72	
			300 00
do	Repairs, and freight on supplies		3 29
			303 29
<i>Sheet Harbour.</i>			
J. Perry.....	6 months salary as Light-keeper to 30th June, 1879.....	\$247 50	
do	do superannuation tax.....	2 50	
			250 00
<i>Scatterie.</i>			
J. W. Brown.....	12 months salary as Light-keeper.....	\$493 76	
do	do superannuation tax.....	6 24	
			500 00
do	Painting and shingling.....		41 01
			541 01
<i>Seal Island.</i>			
T. C. Crowell.....	12 months salary as Light-keeper.....	\$474 00	
do	do superannuation tax.....	6 00	
			480 00
Wm. Robertson.....	Painting, etc		20 35
			500 35
Carried forward			42,080 25

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			42 080	25
	<i>Shelburne.</i>				
M. McKenna	12 months salary as Light-keeper.....	\$474	00		
do	do superannuation tax.....		6 00		
				480	00
do	Boarding carpenters.....			46	40
J. W. Allan.....	Lumber for oil store and gun platform.....			113	50
Irish & Smith.....	Nails and spikes			7	11
J. P. Trefrey.....	Conveying and boarding 4 carpenters.....			11	20
F. W. Fishwick.....	do do do to Halifax...			24	50
H. Watt.....	Erecting oil store, etc.....			183	70
					866 41
	<i>Sissiboo.</i>				
B. Amero.....	12 months salary as Light-keeper.....	\$197	52		
do	do superannuation tax		2 48		
				200	00
do	Painting			12	00
					212 00
	<i>St. Ann's.</i>				
A. S. Morrison.....	12 months salary as Light-keeper.....	\$138	24		
do	do superannuation tax.....		1 76		
				140	00
do	Shingles, repairs, etc.....			14	38
					154 38
	<i>Spencer's Point.</i>				
R. A. Spencer	12 months salary as Light-keeper.....			100	00
Black Bros. & Co.....	Freight on supplies.....			2	84
					102 84
	<i>St. Paul's.</i>				
A. McLeod	Cooking for carpenters, 1877.....			20	00
Burns & Murray.....	Blinds, etc			19	20
					39 20
	<i>Stoddart's Island, Shag Harbour.</i>				
M. Wrayton.....	12 months salary as Light-keeper.....	\$148	12		
do	do superannuation tax.....		1 88		
					150 00
	<i>Sand Point.</i>				
J. Mundell.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....		5 00		
				400	00
do	Shingling and painting.....			12	00
					412 00
	<i>Sable Island.</i>				
W. Morrison.....	6 months salary as Light-keeper.....	\$294	00		
do	do superannuation tax.....		6 00		
				300	00
W. S. Symonds & Co.....	Repairing machinery.....			44	90
Lawson, Harrington & Co.....	Oil, 992 gallons at 28c., \$277.76; cartge, 60c.....			278	36
					623 26
	Carried forward			44,640	34

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c, in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward			44,640	34
<i>Sydney Bar.</i>					
G. Nunn	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax	3	12		
				250	00
<i>Sambro.</i>					
A. Gilkie.....	12 months salary as Light-keeper.....	\$395	00		
do	do superannuation tax.....	5	00		
				400	00
do	Travelling expenses.....		5	00	
do	Painting lighthouse and dwelling		30	00	
Lawson, Harrington & Co	Oil, 639½ galls. at 30c., \$191.85; 364½ galls. at 32c., \$116.64; cartage, etc, 80c			309	29
Wm. Smith.	Freight on coal		3	00	
J. Smith.....	24 cords wood, \$6.00.		144	00	
J. F. Marryatt.....	Freight on oil.....		4	00	
				895	29
<i>Tor Bay.</i>					
D. Gerroir.....	12 months salary as Light-keeper.....	\$246	88		
do	do superannuation tax.....	3	12		
				250	00
do	Repairs to Lighthouse.....		5	75	
do	Painting.....		12	00	
F. Tebrine.....	Freight on oil		2	50	
F. Fougère.....	do supplies		2	00	
				272	25
<i>Walton Harbour.</i>					
T. Parker	12 months salary as Light-keeper.....			100	00
<i>Westport.</i>					
R. D. Suthern.....	12 months salary as Light-keeper.....	\$296	28		
do	do superannuation tax.....	3	72		
				300	00
do	Painting Lighthouse and dwelling.....		22	00	
do	Boat.....		25	00	
				347	00
<i>White Head.</i>					
J. Dillon	12 months salary as Light-keeper.....	\$503	64		
do	do superannuation tax	6	38		
				510	00
F. Tebrine.....	Freight of supplies.....		3	00	
J. J. Donohoe	Shingling and painting		19	15	
				532	15
<i>Yarmouth.</i>					
J. H. Doune	12 months salary as Light-keeper.....	\$784	00		
do	do superannuation tax	16	00		
				800	00
Burrill, Johnston & Co.	Repairing clock, painting, &c.....		20	20	
Kinney, Haley & Co.....	Plank		2	31	
N. J. Dane.....	Boat, row-locks, &c.....		59	25	
J. W. Wyman.....	Building shed, repairs, &c.....		432	62	
G. J. Morton.....	Gun-metal piping and repairs		9	00	
				1,323	38
	Carried forward			48,360	41

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				48,360	41
<i>Yarmouth Harbour.</i>					
J. Doune	12 months salary as Light-keeper.....	\$345	64		
do	do superannuation tax.....	4	36		
do	Paid for hardware, wall paper, repairs, &c.....			350	00
N. Durkee & Co.....	Cars.....			12	92
N. J. Dane	Boat			3	96
J. W. Wyman.....	Repairs to building.....			25	00
				74	31
				476 19	
GENERAL ACCOUNT.					
Acadia Fire Ins. Co.....	Insurance			75	00
J. Findlay	Building and repairing boats.....			319	00
F. W. Fishwick.....	Freight on supplies.....			29	56
Acadian Recorder	Advertising			37	60
do	Two years' subscription to paper.....			10	00
Intercolonial Railway Co	Freight on fog-horn.....			30	92
F. D. Corbett & Co.....	Lifeboats			225	00
R. R. Andrew.....	Mackinnon pen and case			5	00
G. Rent, jun.....	Oil tanks and tinsmiths' supplies.....			710	70
H. W. Johnston.....	12 months salary as Agent	\$1,665	96		
do	do superannuation tax	34	00		
				1,699 96	
Henry Dolby.....	do salary as Clerk.....	\$686	04		
do	do superannuation tax.....	14	00		
do	Travelling expenses to Liverpool			700	04
W. J. Ouldfield.....	Salary as Messenger.....			24	00
Mary Pender	Cleaning offices			159	96
S. Cunard & Co.....	Freight on coal bags, &c.....			96	00
A. McKay	Repairs to lanterns			25	73
Post Office, Halifax.....	Postage stamps			123	86
Western Union Telegraph	Telegrams			122	00
Co	do			167	28
Dominion Telegraph Co.....	Tinsmiths' supplies and repairs.....			11	42
J. Rogers & Co.....	Lumber			227	35
J. Davison	500 coal bags			17	09
Pile & Co.....	Plank, wood and oars.....			912	68
T. J. Bentley	Boat, knees and oars.....			54	87
J. E. Butler.....	Advertising			45	75
Yarmouth Herald.....	do			6	25
Liverpool Advance.....	do			3	50
J. F. Walker.....	Hay			4	32
Morning Chronicle.....	Advertising.....			39	68
Evening Citizen.....	do			15	31
Vale Coal Iron Co.....	343 tons coal, at \$1.90.....			651	70
Shand & Ferguson.....	204 dozen lamp wicks, at 4c.....			8	16
J. E. Albro.....	Lamp chimneys, wicks, &c			959	03
Warner & Harrison.....	Spirits of wine			2	25
Isaac Melvin.....	Kegs			36	00
F. A. Fitzgerald & Co.....	59,026 1/2 galls. oil, at 24c.....			14,166	26
J. N. Purdy	Labour, landing oil.....			31	45
R. A. Nesbit	Repairing medicine chests.....			16	70
do	Alcohol and spirits of wine.....			41	30
J. K. Gould.....	Friction tubes.....			2	80
W. & C. Silver.....	Blinds			3	40
P. Grant & Co.....	do			8	48
Starr Manufacturing Co.....	Repairing reflectors.....			56	00
F. Petipas.....	Boat knees			6	72
H. M. Customs.....	Duty on oil.....			36	27
S. A. White & Co.....	Freight on oil and wharfage.....			4	50
W. A. Wood & Co.....	500 galls. oil, at 23c, \$115; insurance and cartage, \$2.66.....			117	66
Carried forward				22,039	51
				48,836	60

STATEMENT of Expenditure on account of Maintenance of Lighthouses
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....	22,039 51	48,836 60
GENERAL ACCOUNT— <i>Continued.</i>			
Geo. Adams.....	Hardware and repairs.....	51 09	
Hon. S. L. Shannon	12 months rent of wharf and stores.....	1,500 00	
W. Roche, jun.....	175½ tons coal, at \$3.25.....	569 58	
Chipman Bros.....	Supplies for Lights.....	277 52	
J. Ferguson.....	Trimming coal.....	18 98	
Neptune Fog Horn Co.....	Steam fog-horn.....	1,750 00	
J. Walker.....	Frame, &c., for fog-horn building.....	191 30	
L. R. Kaye.....	Storage, receiving and delivering oil.....	392 27	
Yarmouth <i>Tribune</i>	Advertising.....	4 64	
C. Annand.....	Printing blanks, &c.....	22 50	
Baxter Bros.....	Walnut frames, &c.....	23 60	
Mackintosh & McInnes.....	Lumber.....	197 05	
P. Walsh.....	Nails and paint.....	207 61	
T. Offen.....	Blocks.....	9 28	
J. Overy.....	Cartage on supplies.....	51 03	
H. Jacobs.....	Pens.....	7 50	
C. W. Bunting.....	Subscription to <i>Toronto Mail</i>	6 00	
H. Haverstock.....	Boxes for packing chimneys, &c.....	60 00	
City Treasurer.....	Water rates.....	42 50	
G. B. Vanderwood.....	Atlas of Halifax.....	15 00	
L. Wilson.....	Blacksmith work.....	23 75	
J. McKinnon.....	Freight on supplies.....	5 00	
J. Fitzgerald.....	Trimming coal.....	36 18	
Graham & Newland.....	Carpenter work.....	85 28	
J. Donnelly.....	Cleaning office windows.....	1 75	
W. & J. Glendinning.....	Ice for office.....	5 00	
Brookfield Bros.....	Cement.....	147 75	
W. Livingston.....	Freight on cement.....	2 80	
C. Ouldfield.....	Washing office towels.....	7 50	
Macdonald & Co.....	Machinists' supplies and repairs.....	706 98	
Edward Roche.....	Expenses of suit, <i>Muir vs. Roche</i>	302 04	
H. S. King & Co.....	1 year's subscription to <i>Nautical Magazine</i>	3 98	
Estate of J. H. Kendrick.....	Balance of disbursements and travelling expenses.....	125 19	
W. McFabridge.....	Oil tanks, tinsmith supplies, and repairs.....	782 75	
T. Walsh & Co.....	Glass and cutting.....	56 27	
J. Horne.....	Oars.....	24 66	
Theakston & Angevin.....	Hardware, paint and glass for Lights.....	279 59	
A. & W. MacKinley.....	Stationery.....	152 38	
A. & H. Creighton.....	do.....	38 34	
White & Simmonds.....	Stoves, pipe, &c.....	175 05	
<i>Colonial Standard</i>	Advertising.....	2 25	
L. Houlett & Co.....	Cotton.....	17 94	
J. E. M. Taylor.....	Glass and cutting.....	5 13	
R. H. Cogswell.....	Alarm clocks for Lights.....	23 75	
do.....	1 year hoisting time ball.....	100 00	
T. W. Bateman.....	Repairing office locks.....	1 25	
C. J. Cr�ed.....	Subscription to reading room.....	6 00	
Conlon Bros.....	Horse and waggon hire.....	52 50	
do.....	Straw.....	3 47	
Griffin & Morris.....	Blacksmith work.....	36 61	
B.A. Bank Note Co.....	Cheque books.....	38 75	
John Fleming.....	Oars.....	8 40	
J. Hogan & Sons.....	Lumber and shingles.....	367 42	
W. Symonds & Co.....	Repairs to fog-alarm, from Sable Island.....	162 88	
do.....	Alterations to funnels.....	3 50	
<i>Evening Reporter</i>	Advertising.....	20 92	
<i>Antigonish Casket</i>	do.....	3 84	
T. Regan.....	Repairing boats.....	51 00	
Jas. Major.....	Labour in store.....	77 00	
Doull & Miller.....	Wheeler basket.....	8 00	
<i>Western Chronicle</i>	Advertising.....	4 25	
<i>North Sydney Herald</i>	do.....	11 75	
John Bowes.....	Carpenter work at stores.....	10 00	
	Carried forward.....	31,415 79	48,836 60

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	31,415 79	48,836 60
GENERAL ACCOUNT—Concluded.			
<i>Presbyterian Witness</i>	Advertising.....	4 00	
<i>Provincial Wesleyan</i>	do.....	4 40	
W. R. Patchin.....	View of Halifax.....	4 00	
Wm. Volane.....	Labour at stores.....	21 25	
J. Heenan.....	Casks, kegs and coopering.....	119 70	
J. F. Phelan.....	Freight on chimneys.....	40 74	
Union Glass Co.....	Chimneys.....	1,331 32	
<i>Maritime Journal</i>	Advertising.....	11 00	
G. E. Morton.....	Postage stamps.....	86 38	
Capt. E. O'Bryan.....	Labour landing coal.....	237 00	
O. Eurns.....	Freight on supplies.....	2 84	
<i>Herald Printing Co.</i>	Printing circulars and envelopes.....	69 00	
Burns & Murray.....	Cotton, towelling and flannel.....	287 33	
D. M. Browne.....	Labour landing supplies.....	25 00	
Halifax Co., limited.....	576 tons coal, at \$1.80.....	1,036 80	
Acadia Coal Co.....	41½ do 3.12.....	130 37	
J. Dempster.....	Rent of site of life-boat house at Herring Cove.....	25 00	
J. Davies.....	Lock for store.....	3 25	
T. P. Connolly.....	Stationery.....	8 95	
Creighton & Marshall.....	do.....	15 50	
M. McGrath.....	Coal-tubs.....	13 00	
W. F. Eager.....	Sponges.....	54 35	
<i>Alliance Journal</i>	Advertising.....	2 32	
G. Neal.....	Labour, truckage, &c.....	1,516 28	
J. P. Mott.....	Soap and lime.....	516 70	
M. Phelan.....	Wheeling and trimming coal.....	256 65	
H. H. Fuller & Co.....	Hardware, paint, white and sheet-lead, felt, canvas, &c.....	1,291 43	
Irish & Smith.....	Oil, brooms, hardware, white lead, copper, &c.....	1,600 00	
			40,124 35
	Total Lighthouses.....		88,960 95
FOG WHISTLES.			
<i>Brier Island.</i>			
F. Sutherland.....	12 months salary as Engineer.....	\$493 76	
do.....	do superannuation tax.....	6 24	
			500 00
do.....	Freight on supplies.....	11 37	
A. McKay.....	Suction hose, etc.....	91 00	
B. H. Ruggles.....	Storage on coal.....	22 50	
do.....	Hauling coal.....	206 25	
G. W. Clements.....	Repairing tank.....	56 45	
do.....	Plank, labour and teaming.....	19 06	
E. C. Bowen.....	10½ cords wood, \$7.....	73 50	
			980 12
<i>Cranberry Island.</i>			
Jas. Hanlon.....	12 months salary as Engineer.....	\$444 40	
do.....	do superannuation tax.....	5 60	
			450 00
D. M. Browne.....	Labour, landing coal.....	32 45	
J. McDonald.....	12 cords wood, \$6.....	72 00	
J. Patterson.....	Repairing boiler.....	23 53	
A. W. Whitman.....	Boarding boiler makers.....	3 89	
			581 87
	Carried forward.....		1,562 00

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			1,562 00
FOG WHISTLE— <i>Continued.</i>			
<i>Cape d'Or.</i>			
A. H. Rand.....	12 months salary as Engineer.....	\$493 76	
do	do superannuation tax	6 24	
do	Express charges		500 00
do	Travelling expenses.....		5 70
do	Excavating and building porches.....		9 00
do	Making road.....		46 90
do	9 months salary as Assistant Engineer.....		107 73
J. W. Knowlton.....	3 do do		225 00
J. P. Rand.....	Fly-wheel and crank-shaft.....		75 00
Geo. Adams.....	Globe valve.....		55 72
A. McKay.....	Building coal-shed, as per contract.....		8 40
E. Hartnell.....	Breastwork.....		390 00
A. McClellan.....	12 cords wood, \$5		36 02
G. R. Morris.....	Fencing.....		60 00
do	Labour, storing coal.....		12 00
Henry Morris.....	Hauling coal		37 50
do	Lumber.....		80 00
W. Barteaux.....	Hauling coal.....		13 60
do	Blacksmiths' work		62 00
J. Borden.....	Freight on supplies, oil, etc.....		9 75
W. B. Morris.....	12 cords wood, \$1.....		8 40
do	Putting in boiler tubes.....		48 00
D. A. Huntley & Co.....			12 50
			1,803 22
<i>Cape Sable.</i>			
J. Walker.....	Frame for coal-shed.....		299 72
Irish & Smith.....	Nails, paint and spikes.....		34 30
T. R. Crosby.....	Lumber.....		65 40
H. Watt.....	Erecting coal-shed.....		210 70
H. Kerr.....	Labour.....		11 32
J. R. Doune.....	Boarding carpenters, 14 weeks, at \$4.....		55 99
do	Trimming lumber.....		3 50
do	Lumber for coal-shed.....		35 95
J. N. Purdy.....	Labour, landing coal.....		94 50
W. S. Symonds & Co.....	Repairing pump.....		4 50
G. Fleming & Son.....	Feed pump.....		25 00
Macdonald & Co.....	Tube scrapers.....		8 80
			837 68
<i>Cross Island.</i>			
Wm. Smith.....	Freight on materials.....		7 00
W. S. Symonds & Co.....	Oil, oil-cans, etc.....		7 05
			14 05
<i>Digby.</i>			
W. E. Ellis.....	Hauling coal		120 00
<i>St. Paul's.</i>			
R. Muirhead.....	12 months salary as Engineer.....	\$493 76	
do	do superannuation tax	6 24	
Astey, Allwood & Co.....	Felt and canvas.....		500 00
W. M. Smith.....	Paid travelling expenses of boiler-makers.....		22 70
Archibald & Co.....	Hardware, cement, &c.....		60 00
do	Freight on do		121 04
do			20 00
Carried forward.....			723 74
			4,336 95

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc. — *Continued.*

		\$ cts.	\$ cts.
	Brought forward.....	723 74	4,336 95
	FOG WHISTLES—Continued.		
	<i>St. Paul's—Concluded.</i>		
Archibald & Co.....	Repairs to boiler.....	102 95	
S. C. Campbell.....	Boarding boiler-makers.....	142 96	
D. W. Smith.....	Repairing boiler.....	133 80	
J. H. Crosby.....	do.....	172 00	
W. S. Symonds & Co.....	Wire brushes, piston, &c.....	19 85	
T. McAvity & Sons.....	Machinery.....	61 03	
J. Henan.....	Water-casks.....	24 25	
			1,380 58
	<i>Sambro'.</i>		
Geo. Johnson.....	Wages as Engineer, 1st July to 6th Oct., 1878.....	198 57	
Wm. Arrall.....	do Assistant Engineer, 2 months and 2 days.....	51 66	
J. Powell.....	do do 22 days, at \$1.00.....	22 00	
Jas. Green.....	do Engineer, 265 days, at \$1.50.....	397 50	
Jas. Black.....	do Assistant Engineer, 192 days, at \$1.00.....	192 00	
Henry Kerr.....	do do 39 days, at 1.00.....	39 00	
J. C. McDonald.....	do do 2 months.....	53 00	
D. Smith.....	Freight on supplies.....	4 00	
A. McKay.....	Packing.....	2 25	
T. Moreash.....	Rake and hooks.....	3 30	
D. M. Browne.....	Labour landing coal.....	40 50	
J. Smith.....	15 cords wood, at \$5.25.....	78 75	
W. Roche, jun.....	59 tons coal, at \$3 25, \$191.75; landing, \$20.35.....	212 10	
A. King.....	Conveyance of Assistant Engineer to Sambro'.....	5 00	
J. Patterson.....	Repairs to boiler.....	25 00	
G. Adams.....	do to machinery.....	246 70	
W. Phelan.....	Wheeling and trimming coal.....	58 63	
G. Davidson & Co.....	Glass globe.....	1 50	
C. Mackay.....	Conveyance, Engineers, Superintendent, whistles, &c.....	53 00	
M. Daddy.....	Labour hauling coal.....	18 00	
Jas. Fraser.....	122 tons coal, at \$2.66½.....	325 34	
S. Fleming.....	Conveyance of Engineer to Sambro'.....	2 00	
Macdonald & Co.....	Steam-whistle and bells.....	115 10	
F. J. Purcell.....	Conveyance steam-whistle.....	7 00	
J. K. Goold.....	Rent of land.....	0 25	
T. McAvity & Sons.....	Steam-whistle.....	65 00	
A. Gilkie.....	Boarding Engineer and boiler-makers, at 50c. p.d.....	360 50	
			2,577 65
	<i>Seal Island.</i>		
C. Crowell.....	12 months salary as Engineer.....	\$493 76	
do.....	do superannuation-tax.....	6 24	
			500 00
H. C. Evans.....	Teaming coal.....	5 50	
do.....	12 cords wood, at \$4.00.....	48 00	
W. Robertson.....	Teaming coal.....	112 50	
do.....	Building blacksmith shop.....	60 00	
do.....	Painting dwelling and engine-house.....	22 49	
White & Simmonds.....	Rails.....	6 40	
			754 89
	<i>Yarmouth.</i>		
J. Harris.....	Use of road.....	6 00	
do.....	Carting water.....	20 50	
J. W. Wyman.....	Repairs to buildings.....	37 82	
B. S. Doune.....	Furnishing water.....	30 75	
S. K. Clements.....	10 cords of wood, at \$4.25.....	42 50	
	Carried forward.....	137 57	9,050 07

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....	137 57	9,050 07
FOG WHISTLES—Concluded.			
<i>Yarmouth—Concluded.</i>			
Burrill, Johnson & Co.....	Repairs to machinery.....	333 87	
T. Doune.....	Furnishing water.....	9 50	
			480 94
	Total Fog-Whistles.....		9,531 01
BUOYS AND BEACONS.			
<i>Arichat.</i>			
D. Marchand.....	Taking up and laying down Cerberus Rock and spar buoy.....	125 00	
do.....	Taking up and laying down Hantford Shoal buoy.....	40 00	
do.....	do do Yankee do.....	10 00	
do.....	Blacksmith work.....	10 10	
do.....	2 spar buoys.....	9 00	
do.....	Chain, \$4.50; paint, oil, tar, &c., \$3.90.....	8 40	
			202 50
<i>Arichat, West.</i>			
Désiré Leblanc.....	Painting, placing and taking up 3 buoys.....		70 00
<i>Barrington.</i>			
E. Crowell.....	Furnishing and laying buoys at Clarke's Harbour, and maintenance to spring of 1879.....	100 00	
do.....	3 spar buoys, making, placing and painting.....	30 00	
do.....	Chain and iron work.....	18 30	
Joseph Kendrick.....	Iron work, \$42.46; boat hire, \$3.60.....	46 06	
do.....	Labour, \$52.50; hire of schooner, \$18.75.....	71 25	
do.....	Drilling mooring stones.....	4 50	
do.....	Cleaning, fitting, iron work and placing.....	12 75	
John Fleming.....	4 spar buoys.....	40 00	
			322 86
<i>Bear River.</i>			
W. T. Hennigar.....	Spars and fitting.....	13 75	
do.....	Paint and oil.....	4 32	
do.....	Lifting buoy, repairing buoy and chain.....	20 00	
do.....	Services.....	2 00	
do.....	Taking up buoys.....	5 00	
do.....	Repairing, \$9; mooring stones, \$3.....	12 00	
C. H. Purdy.....	Swivels and shackles.....	4 50	
J. Weir.....	Boat hire and labour.....	8 00	
			69 57
<i>Bras d'Or.</i>			
T. Dunlop.....	Taking up Carey's Shoal, Lime Rock and Little Island buoys.....	70 00	
do.....	Placing do do.....	56 00	
do.....	Spar buoys, \$10; iron work, \$2.75.....	12 75	
do.....	Paint and painting.....	13 85	
D. Smith.....	Raising and laying buoy on Smith's Island Shoal.....	10 00	
			162 60
	Carried forward.....		827 53

STATEMENT of Expenditure on account of Maintenance of Lighthouses' Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....		827 53
EUOYS AND BEACONS—Continued.			
<i>Baddeck.</i>			
Stephen Atwater.....	Making and laying 5 buoys.....		32 00
<i>Cunso.</i>			
J. Langley.....	Painting beacon.....	5 00	
D. Sullivan.....	Salvage on buoys.....	16 00	
Raymond Keating.....	Iron work.....	15 24	
do.....	Paint, \$4.63; labour, \$54.....	59 63	
do.....	Spars \$24; boat hire, \$9.....	33 00	
			127 87
<i>Cheticamp.</i>			
F. AuCoin.....	Buoys, mooring, labour, &c., placing and taking up buoys.....		89 10
<i>Chester.</i>			
James Moser.....	Hire of vessel.....	72 00	
do.....	Labour of 7 men, 9 days each.....	63 00	
do.....	do self superintending.....	18 00	
			153 00
<i>Cape Negro.</i>			
A. R. Greenwood.....	Changing and placing 7 buoys.....	56 00	
do.....	Iron work, \$10.24; 2 buoys, \$5.....	15 24	
do.....	Tarring, tar and brush.....	3 40	
			74 64
<i>Digby.</i>			
A. Corbett.....	Freight, buoys and moorings.....	60 00	
J. A. Hughes.....	3 spar buoys.....	75 00	
do.....	Hire of schooner.....	58 00	
do.....	Labour, truckage and blacksmith work.....	30 70	
do.....	Mooring stones.....	5 00	
do.....	Paint and painting.....	7 85	
do.....	Wharfage and storage.....	4 00	
do.....	Labour, taking up buoys.....	12 00	
			252 55
<i>Guysborough.</i>			
G. S. Peart.....	Painting and putting down buoys.....		6 00
<i>Halifax.</i>			
D. M. Browne.....	Labour, placing buoy on Ives' Knoll.....		4 20
<i>Joggin's Bridge.</i>			
U. N. Hughes.....	Taking up and placing buoys, 1877.....	6 00	
do.....	do do 1878.....	6 00	
			12 00
	Carried forward.....		1,578 89

STATEMENT of Expenditure on account of Maintenance of Lighthouses, Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	\$ cts.
Brought forward.....			1,578 89
BUOYS AND BEACONS—Continued.			
<i>Lunenburg.</i>			
C. Burns.....	Labour, laying and taking up Sculpin Rock, Battery Head and Brick shoals buoys	176 50	
do	Spar buoy, \$7; blacksmith work, 80cts.	7 80	
do	Storage and wharfage, \$7; paint and painting, \$4 25	11 25	195 55
<i>Louisburg.</i>			
L. Kavanagh.....	Placing buoys on Nag's Head, White Rock and Battery Shoals	12 00	
do	Removing do do	12 00	
P. O. Toole.....	2 spars, \$4.25; stones, \$5	9 25	
do	Blacksmith work	3 29	36 54
<i>LaHave.</i>			
T. Oakley.....	Labour, placing, drilling stones, painting and paint.....	10 72	
do	Blacksmith work.....	5 20	15 92
<i>Liverpool.</i>			
W. A. Kenney	2 spar buoys.....	4 75	
do	Chain and iron work.....	14 75	
do	Mooring stones and fittings.....	5 00	
do	Vessel, labour, &c.....	11 25	35 75
<i>Merrigonish.</i>			
Robt. McNeil.....	Taking up and placing buoys.....		30 00
<i>Mahone Bay.</i>			
James Mosher.....	Hire of schooner, 8 days.....	72 00	
do	Labour, laying buoys.....	81 00	
do	Paint, oil and painting.....	18 57	
do	Blacksmith work	6 96	178 53
<i>North Sydney.</i>			
G. B. Ingraham.....	Hire of tug boat.....	20 00	
do	Iron work, \$1.50; labour, \$24.70.....	26 20	46 20
<i>Pictou.</i>			
J. R. Noonan.....	Hire of steamer and putting down and taking up buoys.....	100 00	
do	Paint, oil and painting.....	11 40	111 40
<i>Port Hawkesbury.</i>			
Jas. McDonald	Scow hire and labour.....	9 00	
do	Paint and painting.....	5 75	14 75
Carried forward.....			2,243 53

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$	cts.	\$	cts.
		Brought forward			2,243 53
BUOYS AND BEACONS—Continued.					
<i>Port LaTour.</i>					
Wm. Nickerson.....	Looking after buoys and keeping in repair for 1 year.....		50 00		
do	Iron work, \$14.39; Boat hire, \$2.50.....		16 89		
do	Spars for buoys, labour, &c.....		17 78		
do	Repairs, \$2.10; paint and painting, \$2.10.....		4 20		
do	Stones for moorings.....		4 50		
					93 37
<i>Pugwash.</i>					
A. A. Stevens.....	Moorings stones.....		21 00		
do	Casks, spars, &c., \$35; labour and scow, \$39.50.....		74 50		
do	Iron and blacksmith work.....		39 61		
do	Truckage, cooperage, etc.....		13 50		
do	Hire of schooner, \$18; scow, \$2.....		20 00		
do	Scraping, washing and painting.....		14 00		
do	Lighter, pilots and schooner.....		25 00		
do	Storage and cooperage.....		7 50		
					213 11
<i>Port Hood.</i>					
J. H. Murphy.....	Labour raising buoys, freight, etc.....		72 10		
do	Boat hire.....		20 00		
do	Labour placing buoys.....		52 00		
do	Hire of boats, \$12.50; paint oil, \$3 30.....		15 80		
do	Blacksmith work.....		2 15		
Noonan & Davies.....	Freight, stones and shackles.....		5 17		
					167 22
<i>Petit de Grat.</i>					
J. T. Jean.....	Taking up buoys.....		20 00		
do	Putting down buoys.....		45 00		
do	Painting and repairing.....		6 00		
do	Cask, \$1; chain, etc, \$20.36.....		21 36		
do	Anchor, \$5; one buoy and placing, \$5.59.....		10 50		
					102 86
<i>Sambro.</i>					
Samuel Martin.....	Lifting and shifting buoy.....				5 00
<i>Shelburne.</i>					
R. H. Bolman.....	Weighing and replacing buoy at Sand Point.....				15 00
<i>Windsor.</i>					
J. S. Wiley.....	Steamer, placing buoys.....		35 00		
do	Labour, \$31.75; painting and blacksmithing, \$4.38.....		36 13		
do	Chain.....		1 75		
B. N. Banks.....	Spar buoys.....		250 00		
T. McKinlay.....	Moorings stones.....		60 00		
					382 88
Carried forward.....					3,222 97

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—*Continued.*

		\$ cts.	£ cts.
	Brought forward.....		3,222 97
BUOYS AND BEACONS—Concluded.			
<i>Wallace.</i>			
W. McNab	Attending, lifting and storing buoys, 1878.....	28 25	
do	Labour on buoys, placing, 1879.....	25 75	
do	Storage, \$3; truckage and boat-hire, \$3.....	6 00	
do	Paint, \$1; blacksmith, \$1.25.....	2 25	
			62 25
<i>Westport.</i>			
R. D. Suthern.....	Placing three can-buoys.....	20 00	
do	Iron work.....	5 30	
do	Taking up buoy and labour.....	21 00	
do	Hire of boat, recovering can.....	2 00	
do	Ledge buoy.....	2 00	
Irish & Smith.....	Rope, blocks, etc.....	10 95	
			59 25
MISCELLANEOUS.			
J. N. Courtney.....	Automatic signal buoy.....		1,800 00
Wood & Co.	Freight and wharfage, two automatic signal buoys		320 00
Alex. McKay.....	Two No. 2 iron can buoys.....		350 00
do	Repairs to bell buoy.....		4 24
Halifax Penitentiary.....	Mooring stones.....		342 25
Thos. Moreash	Blacksmith work.....		343 70
Black Bros.....	Chain, wire and steel rope.....		258 67
J. Davidson.....	Plank.....		4 34
T. J. Bentley.....	Spar buoys.....		155 17
Western Co. Railway.....	Freight on buoys, etc.....		56 70
S. Townsend.....	Chains and anchors.....		552 39
J. Patterson	Repairing buoys.....		39 08
E. Young.....	Carpenter work.....		14 42
J. Overy.....	Cartage.....		28 70
S. Cunard & Co.....	Composition paint.....		146 00
J. Findlay.....	Carpenter work, repairing buoys and making cages		191 00
Geo. Adams.....	Repairing buoys.....		8 32
J. O'Connor.....	Anchor and shackles.....		273 93
W. B. Reynolds.....	Wire line.....		26 59
R. D. Suthern.....	Painting Cow Ledge Beacon.....		8 00
L. Wilson.....	Blacksmith work.....		77 70
M. Dadey.....	Labour recovering bell buoy.....		20 75
B. H. Ruggles.....	Wharfage, buoys, moorings.....		6 00
Macdonald & Co.....	Repairing automatic buoy.....		67 25
do	Rubber packing.....		14 41
W. S. Symonds & Co.....	Repairs to bell buoy.....		311 07
do	4 iron can buoys.....		720 00
do	(On account of contract, bell buoy.....)		300 00
W. Stairs, Son & Morrow.....	Anchor.....		196 00
Wm. McFabridge.....	Chain.....		101 21
Irish & Smith.....	Nails, spikes, &c.....		17 92
Griffin & Morris.....	Blacksmith work.....		32 53
E. Bennett.....	Labour.....		32 00
J. Haurahan.....	Reporting buoy adrift.....		2 00
J. Hogan & Sons.....	Lumber.....		20 45
J. H. Ross.....	Saving machinery bell buoy.....		4 00
James Major.....	Labour.....		51 00
W. Young.....	Reporting bell buoy adrift.....		5 00
O. Martin.....	do.....		2 00
R. D. Suthern.....	Boat hire to examine North-West Ledge buoy.....		5 00
E. G. & C. Stayner.....	Anchor.....		175 80
Neal, White & Co.....	Freight moorings.....		6 00
A. Grant & Co.....	Salvage on iron can buoy.....		50 00
R. H. Cogswell.....	Marine glasses.....		16 00
J. Turner.....	8 spar buoys.....		31 00
D. McGill.....	7 granite moorings.....		35 00
	Total.....		10,568 06
	90		

STATEMENT of Expenditure on account of Maintenance of Lighthouses,
Steam Fog-Whistles, &c., in Nova Scotia, etc.—Continued.

SIGNAL STATIONS.		\$	cts.	\$	cts.
J. K. Goold	Conveyance signal parties, provisions, &c	454	74		
do	Expenses of Signal Stations, June quarter, 1878.....	602	41		
do	do do September quarter, 1878.....	507	33		
do	do do December quarter, 1878.....	571	67		
do	do do March quarter, 1879.....	498	53		
W. St. George Orde.....	Salary as Superintendent of Signals, September quarter, 1878.....	37	50		
Chas. C. Carter.....	Salary as Superintendent of Signals, December, 1878, March and June quarters, 1879	112	50		
J. V. Allen.....	Commercial codes of signals.....	320	00		
Total				3,104	68
HUMANE ESTABLISHMENTS.					
St. PAUL'S.					
T. P. Connolly.....	Stationery	14	00		
Essex & Co.....	Provisions	58	50		
W. Ives & Son.....	Oats	42	15		
J. E. Butler.....	Oars	31	50		
Forsythe, Sutcliffe & Co.....	Medicines	50	77		
J. Cushen.....	Hay	53	67		
Lordly & Stimpson.....	Provisions	134	86		
J. Parker.....	Beef	37	50		
Bemis & Murray.....	Clothing.....	88	30		
S. C. Campbell.....	Conveyance of despatches.....	20	00		
do	12 months salary as Keeper.....	588	00		
do	do superannuation tax.....	12	00		
do	Boatmen	600	00		
		1,250	00	2,381	25
SCATTERIE.					
Essex & Co.....	Provisions.....	100	80		
J. Findlay	Repairs to life boat.....	22	00		
J. Hogan & Sons.....	Lumber.....	4	76		
W. S. Symonds & Co.....	Iron water tanks	205	75		
				333	31
SABLE ISLAND.					
Edward Roche	Conveyance, 1 man of Staff, Pictou to Halifax.....	2	10		
Lordly & Stimpson.....	Provisions	525	64		
White & Simmonds.....	Stove pipes.....	73	70		
Geo. Piers	Oats	45	00		
J. W. Allan	Lumber	20	29		
Irish & Smith.....	Hardware supplies.....	151	88		
R. A. Nesbet.....	Garden seeds	7	15		
J. G. Brady.....	Account, wages as carpenters and painters.....	66	25		
W. Wallace.....	do do do	90	00		
R. J. Boutelier.....	do do do	138	75		
J. Overy.....	Freight and cartage of provisions.....	4	10		
W. S. Symonds & Co.....	Stove linings	1	25		
Receiver General.....	Superannuation tax on Superintendent's salary.....	5	41		
H. W. Johnston.....	Pay-lists of Staff for the year ended 30th June, 1879.....	3,382	06		
				4,513	58

STATEMENT of Expenditure on account of Cape Race Lighthouse and Fog Whistle, Newfoundland.

		\$ cts.
Imperial Board of Trade, London	Dues on tonnage for the year ended 30th June, 1879, as follows : 303,404 tons at $\frac{1}{4}$ d. per ton—£158 0s. 5d.....	769 04
	Stationery Office, (Ottawa)	230 41
	Public Buildings—Share of heating and attendance	559 04
Donald McNeill.....	To reimburse him for loss, and expenses in connection with his removal from St. Paul's Island in 1874.....	200 00

RECAPITULATION.

	\$ cts.	\$ cts.
Maintenance of Lighthouses	88,960 95	
do Fog Whistles	9,531 01	
do Buoys and Beacons.....	10,568 06	
do Signal Stations.....	3,104 68	
do Humane Establishments	2,714 56	
do Sable Island Humane Establishment	4,513 58	
do Cape Race	769 04	
Donald McNeill, (Special payment, St. Paul's Humane Establishment).....	200 00	
Stationery Office, (Ottawa).....	230 41	
Public Buildings, Halifax, N.S.—Share of Heating and Attendance.....	559 04	
Total		124,151 33

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 6

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure in connection with the Maintenance of Lights, Prince Edward Island, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
<i>Block House Light.</i>					
Arch. McLaine	12 months salary as Keeper of Light and Signal Station	\$335	73		
do	Superannuation tax	4	27		
				340	00
do	Extra labour.....			4	00
do	Fuel.....			32	00
G. W. Millner.....	Copper shield and fixing.....			2	25
Secretary of War.....	Rent of land west side of point.....			4	87
					383 12
<i>Cascumpec Light.</i>					
Asa McCabe.....	12 months salary as Keeper.....	\$246	88		
do	Superannuation tax.....	3	12		
				250	00
do	Fuel.....			32	00
Milton Walsh.....	Iron, brass, labour at repairs, paid passage, etc.....			18	20
George Wells.....	Placing bush round Lighthouse			16	00
					316 20
<i>Crapaud Light.</i>					
Percy Palmer.....	12 months salary as Keeper.....				75 00
<i>East Point Light.</i>					
A. R. Beaton	12 months salary as Keeper.....	\$246	88		
do	Superannuation tax	3	12		
				250	00
do	Fuel, \$32.00; paid for stone, sand, etc, \$95.15....			127	15
Jas. McDonald.....	Mason's work, \$55.00; lime, hauling, etc., \$26.20..			81	20
Jno. Fullard.....	Repairs to dwelling.....			70	45
Jno. T. Millick.....	Oil			4	48
Thos. Shea	Deepening well.....			12	50
Hermans & Son.. ..	Repairing pump.....			1	75
					547 53
<i>Fish Island Light.</i>					
A. J. McLellan	12 months salary as Keeper.....	\$246	88		
do	Superannuation tax	3	12		
				250	00
do	Fuel.....			32	00
Milton Walsh.....	Iron, coal, labour and passage of self.....			24	51
Norman McLean.....	Boat			80	00
					386 51
<i>Little Channel Light.</i>					
Wm. Hardy.....	12 months salary as Keeper.....			100	00
do	Replacing range tower			9	00
					109 00
	Carried forward.....				1,817 36

STATEMENT of Expenditure in connection with the Maintenance of Lights,
Prince Edward Island, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				1,817	36
<i>Little Sands (High Bank).</i>					
Duncan Munn.....	12 months salary as Keeper			30	00
<i>Little Tignish Light.</i>					
Isidore Chiasson.	12 months salary as Keeper	100	00		
do	Rent of storehouse and truckage.....	6	00		
do	Dory, chain, lock, &c	17	25		
D. Martin.....	Lumber, oil, paint and carpenters' labour.....	25	53	148	78
<i>Murray Harbour Light.</i>					
Malcolm McFadyen.....	12 months salary as Keeper.....			100	00
<i>New London Light.</i>					
Geo. McKenzie.....	12 months salary as Keeper.....			100	00
<i>North Rustico Light.</i>					
Thos. G. Pursey.....	12 months salary as Keeper	100	00		
do	Fuel	20	00	120	00
<i>North Cape Light.</i>					
Peter H. Perry.....	12 months salary as Keeper.....	\$296	24		
do	Superannuation tax.....	3	76		
do	Fuel			300	00
D. Martin.....	Hardware, labour, repairs, &c.....			32	00
Mrs. F. Gallant.....	Conveying and boarding two workmen ..			13	37
Hermans & Son.....	Plumbers' repairs, &c.....			7	00
				42	00
				394	37
<i>Panmure Light.</i>					
H. McDonald.....	12 months salary as Keeper	\$246	88		
do	Superannuation tax.....	3	12		
do	Fuel			250	00
do	Fuel			32	00
Malcolm McInnis.....	Rope, lumber, hardware, &c.....			3	44
P. E. I. Railway Co.....	Freight of boat.....			2	80
				288	24
<i>Point Prim Light.</i>					
Michael McLeod	12 months salary as Keeper.....	\$296	24		
do	Superannuation tax.....	3	76		
do	Fuel.....			300	00
do	Fuel.....			32	00
Samuel McLeod.....	Painting lantern.....			6	00
Hermans & Son.....	Plumbers work.....			18	00
				356	00
<i>St. Peter's Light.</i>					
W. W. McGranth.....	12 months salary as Keeper.....	100	00		
do	Storage and truckage of supplies.....	8	50		
P. E. I. Steam Navigation Co.....	Freight of Light-house machinery.....			18	04
				126	54
Carried forward.....				3,481	29

STATEMENT of Expenditure in connection with the Maintenance of Lights, Prince Edward Island, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....		3,481 29
	<i>St. Andrew's Light.</i>		
Jos. Wightman.....	12 months salary as Keeper.....	100 00	
do	Extra allowance for winter navigation.....	33 54	
McDonald & Westaway..	Oil for use of Beacon Light.....	13 50	147 04
	<i>Sea Cow Head Light.</i>		
Peter Ranaghan ..	12 months salary as Keeper.....	\$246 88	
do	Superannuation tax	3 12	
		250 00	
do	Fuel, \$32; sundry supplies, \$6.50.....	38 50	
Walsh & Bethune.	Hardware and repairs.....	12 32	300 82
	<i>South Rustico Light.</i>		
Wm. Ford	12 months salary as Keeper.....		100 00
	<i>Summerside Light.</i>		
Patrick McVeigh.....	12 months salary as Keeper.....	100 00	
R. T. Holman	1 cask oil	16 00	
Jno. Gaffney ..	42 gallons kerosene, 28c., \$11.76; truckage, 50c.....	12 26	128 26
	<i>Tracadie Light.</i>		
Michael Ready	12 months salary as Keeper.....	100 00	
do	Moving range towers.....	25 00	125 00
	<i>West Point Light.</i>		
W. McDonald	12 months salary as Keeper.....	\$296 24	
do	Superannuation tax.....	3 76	
		300 00	
do	Fuel.....	32 00	
Jno. Dordon	Repairs to Light-house	18 50	
Hermans & Son.....	Steel turning pins and lamp gear.....	6 00	356 50
	<i>Wood Island Light.</i>		
Jas. McMillan.....	12 months salary as Keeper.....	\$197 49	
do	Superannuation tax	2 51	
		200 00	
do	Fuel.....	32 00	232 00
	GENERAL ACCOUNT.		
Wm. Mitchell	12 months salary as Agent	980 04	
do	Travelling expenses	185 95	
do	Paid sundry freight, cartage, postage, &c	49 83	
do	1 year's rent of warehouse for stores to 1st August, 1878.....	75 00	
W. B. Allin.....	Repairs to lamps, oil cans, &c.....	37 87	
P. Cahill.....	Labor packing, loading and storing	17 00	
Thos. Murphy.....	Truckage of oil.....	16 47	
Jno. Hughes.....	Freight of supplies to lights as per agreement.....	238 00	
Owen Connolly	Wharfage of supplies.....	6 60	
Anglo-American Telegraph Co.....	Telegrams.....	39 69	
	Carried forward.....		4,970 91

**STATEMENT of Expenditure in connection with the Maintenance of Lights,
Prince Edward Island, etc.—Continued.**

		\$ cts.	\$ cts.
Brought forward.....			4,870 91
GENERAL ACCOUNT—Concluded.			
Dodd & Rogers.....	Hardware, &c.....	748 19	
J. U. Gregory.....	Paid for labour on petroleum, cartage, shipping, &c.....	25 00	
F. A. Fitzgerald & Co.....	5,699 gallons of petroleum, at 23½ cts.....	1,339 26	
Bank Note Co.....	Check book.....	11 00	
Stephen Stumbles.....	Horse hire.....	11 00	
John Caven.....	Advertising.....	9 25	
			3,790 15
BUOYS AND BEACONS.			
Jas. McDonald.....	Buoy service for 1877, St. Peter's Harbour.....	75 00	
do.....	Maintaining and placing do.....	25 00	
George Anderson.....	Marking buoys and channel, &c. do.....	73 25	
Thos. Murphy.....	Cartage, 75cts.; trip to Rustico, \$5, St. Peter's Harbour.....	5 75	
Wm. Hardy.....	Repairing and placing and taking in, Little Channel.....	90 50	
John n. Coffin.....	do mooring, Bay Fortune.....	94 00	
Alex. Halloran.....	do do Souris.....	98 85	
John McLean.....	1 anchor, North Rustico.....	6 00	
Edward Morrissey.....	Anchors.....	10 74	
Alex. McArthur.....	Making and placing, Enmore and Percival Rivers.....	102 60	
Wm. Callaghan.....	Hauling, repairing and placing, Mingonish.....	98 00	
George Wells.....	Making, painting, hire of schooner, placing, &c., Casumpcc.....	307 00	
John Haggart.....	Repairing, painting and taking in, Georgetown.....	129 33	
W. H. McNeill.....	Removing and placing, North Rustico.....	99 00	
Jas. Matheson.....	Taking up and securing, South Rustico.....	30 00	
Hugh Campbell.....	Chain, rope, placing, &c., Tracadie.....	85 80	
Wm. Millar.....	Repairing, painting, &c., Murray Harbour.....	78 00	
D. McGougan.....	Paint, blacksmith's work, &c., Malpeque.....	136 00	
Angus J. Stewart.....	Buoy service, Gilles Reef.....	20 00	
Neil McLeod.....	Painting and placing, Pinette Harbour.....	73 00	
John Duffy.....	Replacing and maintaining, East River.....	50 00	
Alex. Howatt.....	do do Tryon Harbour.....	35 00	
John Furniss.....	do do Vernon River.....	59 00	
J. G. Pursey.....	do repairing, North Rustico.....	27 50	
H. McDonald.....	Buoy service, Cardigan River.....	111 50	
R. Campbell.....	Repairing, painting and placing, new anchor, &c., Summerside.....	94 60	
Wesley Myers.....	Repairing, painting and placing, Crapaud.....	129 50	
R. S. McDonald.....	do do Grand River.....	65 00	
Geo. McKenzie.....	do do New London.....	124 00	
John Arsenault.....	Making and placing, Egmont Bay.....	53 00	
Chas. Deagle.....	do Rollo Bay.....	37 00	
Geo. Coombs.....	Wharfage and rent of warehouse for storage of buoys.....	99 00	
David Small.....	Placing buoys, paint, rope, hardware, moving anchor, Charlottetown Harbour and River.....	275 33	
Tag "Henry Aitken".....	Lifting and replacing do do.....	160 00	
D. O. Campbell.....	do Montague.....	31 00	
Richard Jenkins.....	Repairing and maintaining, Pownal Bay.....	66 85	
W. W. Stymest.....	Making, painting and placing, Georgetown.....	51 60	
McKinnon & McLean.....	Buoy weights.....	74 62	
Arch. Kennedy.....	Chain.....	23 76	
Peak, Bros. & Co.....	Repairing anchor, manilla, repairs, &c.....	67 12	
Jas. Matheson.....	Making and placing spar buoy, South Rustico.....	45 00	
			3,308 20
Share of expense taking care of public offices.....			11,969 26
			189 46
Total.....			12,158 72

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 7

To the Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Maintenance of Lighthouses, and Buoys and Beacons, in the Province of British Columbia, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
<i>Beren's Island Light.</i>					
A. McKinnon.....	12 months salary as Light-keeper	499	96		
Jos. Spratt.....	Altering burners	4	00		
J. J. Robinson.....	Lumber, nails and labour.....	47	70		
Langley & Co.....	Coal oil, chimneys, wicks, &c.....	131	12		
S. L. Kelly & Co.....	New stove and fixings.....	50	00		
E. B. Marvin.....	White lead, boiled oil, shingles, whiting, &c.....	21	10		
P. McQuade & Son.....	Bine glass	10	50		
A. & W. Wilson.....	Repairs to reflector, tap, &c	4	25		
				768	73
<i>Cupe Beale Light.</i>					
E. Cox.....	Salary as Light-keeper, and to provide one Assistant, from 1st June, 1878, to 30th June, 1879, at \$1,200 per annum	1,303	57		
Langley & Co.....	Coal oil, brush and lamp stores.....	438	25		
E. B. Marvin.....	Hardware	10	38		
A. Rodgers.....	Labour	8	00		
S. L. Kelly & Co.....	Ironware, &c.....	21	00		
A. & W. Wilson.....	Repairing lamps	5	00		
P. McQuade & Son.....	Coal oil, brooms, &c.....	31	50		
				1,817	70
<i>Entrance Island Light.</i>					
R. Gray.....	12 months salary as Light keeper	600	00		
do.....	Paid for labour.....	22	50		
John Holden.....	Ironwork for winch	22	70		
S. J. Pitts.....	65 cases, 10 gals. each, coal oil, 40 cases at \$4.75; 25 cases at \$4.50, \$302.50; drayage, &c, \$3.....	305	50		
C. Carpenter.....	Lumber	14	30		
Langley & Co.....	Soap, brushes, &c.....	8	00		
John Hirst.....	Coal oil, hardware, rope, &c	69	50		
Walter Wilson.....	Stove fixings and repairs	15	62		
				1,058	12
<i>Fisgard Light.</i>					
W. H. Bevis.....	12 months salary as Light-keeper, and to provide one Assistant	759	96		
do.....	Paid for labour	1	68		
Langley & Co.....	Soap and lamp stores.....	30	50		
Williams & Arthur.....	Water	20	00		
Burns & Co.....	Sundry supplies.....	17	87		
S. J. Pitts.....	Coal oil, 10 cases, \$4.75, \$47.50; drayage, \$1.....	48	50		
Thos. Storey.....	Survey expenses	9	75		
P. McQuade & Son.....	Paints, oils, &c.....	22	72		
T. N. Hibben & Co.....	Stationery.....	9	37		
Henry Saunders.....	1 box soap	2	00		
John Weiler.....	Oil cloth, blinds, &c	72	75		
A. & W. Wilson.....	Labour and materials for lamps.....	87	85		
				1,082	95
Carried forward.....				4,727	50

STATEMENT of Expenditure on account of Maintenance of Lighthouses, &c.,
in British Columbia, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....					4,727 50
<i>Fraser River Lightship.</i>					
James Jolly.....	12 months salary for self and 2 assistants	2,160	00		
Jas. Fell & Co.....	Provisions	615	00		
D. W. Higgins.....	Advertising for tenders for repairs.	15	00		
Jos Spratt.....	Ironwork and repairs.....	31	47		
Langley & Co.....	Lamp stores	13	00		
A. & W. Wilson.....	New funnel, &c.....	21	75		
John Holden.....	Ironwork, swivels, &c.....	54	00		
E. B. Marvin.....	Paint, oil, new rod box for pump, chain, &c	258	52		
P. McQuade & Son.....	Fish oil, plate glass, &c.....	119	00		
T. N. Hibben & Co.....	Stationery.....	9	50		
Hudson Bay Co.....	Paid freight, &c.....	26	00		
Henry Georgeson.....	202 gallons fish oil, at 50c.....	101	00		
J. K. Suter.....	Advertising.....	5	50		
A. & W. Wilson.....	Ironwork repairs	18	00		
					2,447 74
<i>Point Atkinson Light.</i>					
R. G. Wellwood.....	12 months salary as Light-keeper, and to provide 1 assistant	799	98		
Moody, Nelson & Co.....	Lead, lumber and nails	86	56		
A. & W. Wilson.....	Stove fittings.....	9	75		
E. B. Marvin.....	Paint, oil, blinds, matches, &c.....	19	12		
Langley & Co.....	Coal oil	118	75		
Jos. Spratt.....	Labour and repairing machinery.....	36	15		
Hastings Saw Mill Co.....	Nails, lime, &c.....	11	39		
					1,081 70
<i>Race Rocks Light.</i>					
Thos. Argyle.....	12 months salary as Light-keeper, and to provide 3 assistants	1,549	93		
Jas. Fell & Co.....	Provisions	615	01		
Steamer "Cariboo Fly".....	Freight of oil	5	00		
M. Carosa.....	Dog fish oil	40	50		
Langley & Co.....	Coal oil and lamp stores	76	60		
A. & W. Wilson.....	New stove and furniture	72	56		
E. B. Marvin.....	Cotton waste	5	00		
Paul Scott.....	Boat hire	10	00		
P. McQuade & Son.....	Hardware.....	7	42		
T. N. Hibben & Co.....	Stationery	7	74		
Mallendaine & Co.....	Repairs to Lighthouse	30	75		
W. P. Sayward.....	Lumber.....	7	71		
Thos. Argyle.....	Paid for repairing lamps, burners, &c.....	47	50		
					2,475 72
GENERAL ACCOUNT					
Hudson Bay Co.....	Storage and wharfage \$6.20; coal sacks, \$40.....	46	20		
Brown & White.....	Calico, flannel, &c.....	10	87		
H. J. Cook.....	Repairs to harbour punt	126	00		
A. & W. Wilson.....	do lamps, &c.....	5	00		
H. Rhodes & Co.....	Storage	6	00		
E. B. Marvin.....	Paint for harbour punt	40	00		
S. L. Kelly & Co.....	Stove back and coal hods.....	5	38		
Steamer "Sir J. Douglas".....	Coal	135	00		
G. W. A. Lange.....	Repairing clocks.....	9	00		
					377
Carried forward.....					12,110 11
					50

STATEMENT of Expenditure on account of Maintenance of Lighthouses, &c..
in British Columbia, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward			12,110 11
BUOYS AND BEACONS.			
H. E. Wilby	Blacksmith's work, Victoria and Esquimaux.....	15 50	
E. B. Marvin	Chain and shackles do	13 55	
do	Rope, barrels, yarn, iron, lime, &c., Fraser River and Walker Rock "Ben"	60 40	
P. McQuade & Son	Chain, paint, tar and varnish, Inland Channel, Fraser River	143 52	
Saml. Matthews	Self and 3 men making and placing buoys, Fraser River	170 00	
Jno. Holden	Iron work, Fraser River	118 50	
Thos. C. Jones.....	Boat hire, Victoria Harbour	6 50	
J. Nagle	Indian labour do	2 00	
S. D. Levi	Labour, Nanaimo	12 40	
W. B. Chartres.....	Blacksmith's repairs, Fraser River	6 50	
Lawrence & Quimby ..	Hire of steamer, placing buoys, Nanaimo.....	79 00	
Hoyer & Diver.....	Searching for, towing back and placing, Nanaimo..	20 00	
W. L. Jeffrey.....	Repairing, painting, placing, &c., buoys, Nanaimo	57 00	
Fellows & Roscoe.....	Lumber	18 02	
Jno. Murray	12 months' salary as Store-keeper, Nanaimo.....	24 00	
Jos Spratt.....	Iron work and repairs, Fraser River	12 20	
Jas. Cunningham.....	Paints oils, &c., Fraser River.....	55 23	
O. W. Horth.....	Chain, 40 lbs., at 10 cts., Nanaimo	14 00	
Chas. Akins.....	Repairing wood work of buoys, Nanaimo.....	6 00	
Fletcher & Thames.....	do top of red buoy do	2 50	
R. Ingham.....	Anchor stones do	25 00	
Renwick & Horn.....	Iron work do	16 00	
A. Fenny.....	Labour and material for buoys, Inland Channel....	222 74	
S. Clifford.....	Taking up and replacing buoys, Victoria Harbour.	16 00	
Wm. Hearn.....	Labour, Walker Rock "Ben"	70 00	
Patk. O'Rourke.....	do do	35 00	
W. P. Sayward.....	Lumber do	16 94	
E. Gracini.....	Blasting powder and fuses.....	4 00	
			1,242 60
SALARIES AND CONTINGENCIES OF OFFICE.			
Capt Jas. Cooper.....	12 months salary as Agent	1,567 95	
W. Gregory	do do Janitor	120 60	
Victoria Post Office.....	Rent of box and drawer, stamps, &c.....	38 79	
Waitt & Co.	Stationery, &c	64 75	
J. Sehl	Dusters and shovel for office	4 00	
McMillan & Son.....	Printing vouchers, circular heads, &c	23 75	
D. W. Higgins.....	Subscription to <i>Colonist</i>	10 00	
do	Advertising in do	4 00	
C. McK. Smith.....	do <i>Standard</i>	5 00	
Steamer "Woodside"....	Carriage of letters	2 50	
			1,939 34
Less Refund—13 barrels of lime return-			15,192 05
ed, at \$2.50		32 50	
Refund over-charge on chain, 124			
lbs., at 5½ cts.....		6 82	
			39 32
Total			15,152 73

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 8

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Construction of Light-houses and Fog-Whistles, &c., for the Fiscal Year ended 30th June, 1877.

		\$	cts.	\$	cts.
ABOVE MONTREAL.					
<i>Côteau Landing.</i>					
<i>Le National</i>	Advertising tenders for erection of tower.....	4	80		
J. Dougall & Son.....	do do	4	65		
					9 46
<i>Gore Bay Light.</i>					
Receiver-General.....	To pay for land for lighthouse.....	42	00		
<i>Le National</i>	Advertising for tenders.....	5	60		
<i>Citizen Printing Co.</i>	do	4	20		
Acton, Burrows & Co.	do	2	60		
					54 40
<i>Long Point, West End, Port Rowan.</i>					
I. D. Riddell.....	Advertising for tenders in <i>Independent</i>				4 10
<i>Meaford Light.</i>					
<i>Collingwood Bulletin</i>	Advertising for tenders.....	3	00		
J. H. Little.....	do	3	00		
Law Building and Manufacturing Co.	Contract for building.....	875	00		
E. Chanteloup.....	Cast-iron lantern, burners, blinds, &c.	659	55		
Northern Railway Co.....	Freight of lantern and apparatus.....	34	21		
Jos. Tomlinson.....	Travelling expenses (inspecting).....	31	15		
					1,605 91
<i>Parry Sound Light.</i>					
Thomas R. Catch.....	Contract for building.....				750 00
<i>Port Colborne.</i>					
R. Whiteacre.....	Balance of contract for building.....	1,344	00		
do.....	Extras on contract, \$763.78; erecting buildings for fog-alarm, \$504.25.....	1,268	03		
Neptune Fog-Horn Co.....	Automatic fog-horn, \$1,750.00; superintending erection, \$98 75.....	1,848	75		
E. Chanteloup.....	Lantern, iron gallery, copper piping, flange, &c.	384	20		
S. Barrow.....	Valves, pipes, &c	48	08		
Jos. Tomlinson.....	Travelling expenses (inspecting).....	25	35		
					4,919 31
<i>Port Dalhousie.</i>					
R. Whiteacre.....	Contract for building.....	585	00		
E. Chanteloup.....	Lantern, reflectors and lighting apparatus.....	754	85		
Wm. Woodall.....	Freight on lantern and apparatus.....	43	99		
Welland Railway Co.....	do glass, lamps, boxes, &c.	54	85		
D. Hunter.....	10 weeks services superintending.....	50	00		
					1,458 69
Carried forward.....					8,831 96

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued.*

		\$ cts.	\$ cts.
	Brought forward.....		8,831 86
ABOVE MONTREAL—<i>Concluded.</i>			
<i>Presqu' Isle Light.</i>			
R. Cameron	Contract for building.....	1,655 00	
E. Chanteloup.....	Lantern, mammoth lamp, copper roof, &c.....	360 24	
Cobourg <i>World</i>	Advertising for tenders.....	3 04	
T. S. Carman	do	3 80	
H. Welbanks.....	do	3 04	
James Norris	Freight of whistle and fixtures	51 00	
W. P. Anderson	Travelling expenses (inspecting)	21 90	
Jos. Tomlinson	do do	31 15	
G. B. Simpson	Inspecting during construction.....	63 50	
			2,192 67
<i>St. Anne bout de l'Isle (Four Towers).</i>			
J. Dougall & Son.	Advertising for tenders.....	4 80	
<i>Le National</i>	do removal.....	4 80	
E. Chanteloup.....	Four iron galleries.....	380 00	
Jos. White.....	Extra labour and disbursements.....	42 12	
			431 72
GENERAL ACCOUNT.			
J. P. Pim.....	12 months services as Draughtsman.....	349 50	
B. Billings	74 days do do	148 00	
W. P. Anderson	Travelling expenses.....	23 75	
Jos. Tomlinson	do	16 25	
			537 50
	Total		11,993 75
BETWEEN QUEBEC AND MONTREAL.			
<i>Lake Memphremagog Lights.</i>			
N. A. Beach.....	Contract for building.....	975 00	
A. Ramsay & Son.	Plate and sheet glass.....	80 75	
E. Chanteloup.....	Oil cans, drip pans, &c	88 25	
Waterloo & Magog Rail- way Co.	Freight	24 12	
Wm. Smith.....	Travelling expenses.....	15 16	
	Total		1,183 28
BELOW QUEBEC.			
GENERAL ACCOUNT.			
Chance Bros. & Co.	Polished plate glass.....£375 1 3		1,825 30
<i>Greenly Island Light.</i>			
E. Roy	Freight and passage, as per agreement.....	150 00	
J. Mowat	On account of contract.....	996 00	
			1,146 00
	Total		2,971 30

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued.*

NEW BRUNSWICK.		\$	cts.	\$	cts.
GENERAL ACCOUNT.					
Ellis, Robertson & Co....	Advertising West Head Light.....	10	50		
Wm. Elder.....	do	12	00		
John Nugent.....	Carting.....	13	80		
T. W. Anglin	Advertising Richibucto and Negro Point Lights....	22	25		
Willis & Mott.....	do do Beacons.....	6	00		
Adam Smith.....	do tenders for Grand Manan... ..	3	20		
John Livingston.....	do	12	00		
Barnes & Co.	do	2	03		
J. G. Lorimer.....	do	3	75		
Kane & Co.....	do	10	50		
H. T. Stevens.....	do	42	35		
Daniel Main.....	do	13	25		
G. W. Day.....	do	3	00		
A. W. Patterson.....	do	3	00		
					157 63
<i>Cape Enragé Fog Alarm.</i>					
Blaisdell & McGourty....	Amount of contract.....	925	00		
A. Blaisdell.....	Iron pipe, &c	21	39		
Wm. M. Smith.....	Expenses inspecting	7	86		
					954 25
<i>"Fluke" Point.</i>					
C. & J. Short.....	Amount of contract building light.....	1,072	00		
J. H. Harding.....	Paid labour and cartage on lumber.....	2	75		
Isaac Newton.....	Land for site	105	00		
					1,179 75
<i>Grindstone Fog Alarm.</i>					
Easty, Alwood & Co.....	Boiler felt.....	46	34		
William Stiles	Boarding, and freight.....	4	00		
Wm. M. Smith	Travelling expenses, inspecting.....	34	06		
J. B. Smith.....	Labour fitting boiler tubes	12	81		
Geo. Smith.....	do do	143	56		
J. R. Stiles.....	Boarding engineer, and removing boiler to Island..	126	19		
Willis & Mott.....	Advertising.....	4	00		
Blaisdell & McGourty....	Contract for building reservoir	525	00		
J. H. Crosby.....	Labour fitting pipes.....	64	26		
A. Blaisdell.....	Wheelbarrow.....	5	25		
					1,075 47
<i>Grand Harbour.</i>					
Isaac Newton.....	Boat and horse hire.....	6	00		
F. J. Harding.....	Paid freight, cartage and labour... ..	9	75		
Thos. Mack.....	Freight on lantern	58	31		
John Nugent.....	Hauling and labour on lantern.....	7	50		
Willis & Mott.....	Advertising.....	5	25		
E. Chanteloup	Lantern and lighting apparatus, iron gallery, &c..	710	03		
					796 84
<i>Hackerst Point, Salmon River.</i>					
Kane & Co.	Advertising				6 00
<i>La Tete Fog Alarm.</i>					
Intercolonial R'y Co.....	Freight on boiler, cylinder, &c	48	24		
O. P. Champion	Patent Fog Horn and machinery	1,750	00		
	Brought forward.....	1,798	24	4,169	94

NOTE.—Fluke Point and Grand Harbor are one and the same Light. Total cost, \$1,976.59.

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	1,798 24	4,169 94
NEW BRUNSWICK—Continued.			
<i>La Tele Fog Alarm—Concluded.</i>			
D. W. Clark.....	Contract for erecting building, reservoir, &c	1,915 25	
E. Belmore.....	Freight on machinery, building material, &c.....	80 00	
T. McAvity & Sons.....	Steel, iron, nails, forge, paint and oil	323 47	
W. H. Austin.....	Horse hire	32 00	
Z. G. Gabel.....	Boiler felt	11 36	
Allan Bros.....	Ironwork	18 70	
D. McLaughlan & Son.....	Iron funnel.....	35 00	
David Kelly.....	Boarding men, carting coal and labour.	310 00	
			4,524 02
<i>Machias Seal Island.</i>			
Geo. Armstrong.....	Balance of contract.		89 00
<i>Musquash Island.</i>			
David Currie.....	Amount of contract of building and extra work...	2,124 60	
Intercolonial R'y Co.....	Freight on lantern	51 48	
E. Chanteloup.....	Lantern, blinds, chimneys and reflectors.....	920 63	
J. H. Harding.....	Travelling expenses, inspecting	25 00	
T. McAvity & Sons.....	Oil tanks.....	127 00	
W. H. Austin.....	Horse hire.....	6 00	
John Shannon.....	Watching lighthouse to 11th February	16 00	
			3,270 71
<i>Partridge Island Fog-Alarm.</i>			
P. Carroll.....	Amount of contract erecting building	3,995 00	
T. McAvity & Sons.....	Cement, brass fittings and flanges	240 53	
W. N. Lovett.....	Covering well, and extra work.....	331 52	
D. McLaughlan & Son.....	Iron work	146 75	
W. M. Smith.....	Expenses inspecting	115 00	
D. M. Smith.....	Labour repairing boiler, &c	85 00	
George Smith.....	do do	102 00	
John Smith.....	do do	74 95	
H. King.....	Boating	18 20	
James Wilson.....	Boarding men	56 00	
James Harris.....	Labour at boiler.....	54 47	
Z. G. Gabel.....	Boiler felt.....	43 95	
Willis & Mott.....	Advertising.....	8 00	
G. W. Day.....	do	3 32	
Ellis, Robertson & Co.....	do	8 00	
			5,282 69
<i>Petit Roche Light.</i>			
W. & J. Anslow.....	Advertising.....	3 75	
J. Morrison.....	Amount of contract for building, \$350.00; freight, \$26.34.....	376 34	
S. Adams.....	Inspecting.....	102 00	
E. Chanteloup.....	Lantern, lamps, &c.....	470 51	
			952 60
<i>Restigouche Beacons.</i>			
P. Nadeau.....	On account of contract.....	602 02	
D. McNeil.....	Selecting site.....	10 00	
			612 02
	Carried forward.....		18,900 98

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued*

		\$ cts.	\$ cts.
Brought forward.....			18,900 98
NEW BRUNSWICK—Concluded.			
<i>Richibucto Beacons.</i>			
H. Peters.....	Amount of contract.....	1,134 00	
J. A. Jardine.....	Expenses selecting site.....	9 00	
Wm. White.....	Services inspecting.....	30 00	
P. S. Bailey.....	Horse hire.....	9 50	
E. Chanteloup.....	Lantern and lighting apparatus, gallery, &c.....	689 66	
			1,872 16
<i>South Head Light.</i>			
Intercolonial Ry. Co.....	Freight on lantern.....	58 31	
John Nugent.....	Hauling and labour on lantern.....	7 50	
F. J. Harding.....	Paid labour carting and shipping lantern.....	6 25	
Angus Fisher.....	On account of contract.....	25 00	
E. Chanteloup.....	Lantern, lamps and lighting apparatus.....	1,727 94	
			1,825 00
Total.....			22,598 14
NOVA SCOTIA.			
<i>Brooklyn Pier Light.</i>			
Intercolonial Ry. Co.....	Freight on lantern, &c.....	19 80	
E. Chanteloup.....	Lantern, lamps, &c.....	434 68	
Jamieson & Co.....	Freight on lantern to Liverpool.....	5 20	
Geo. McLeod.....	Inspecting during building.....	45 00	
Geo. S. Parker.....	Amount of contract for building.....	496 00	
do.....	Extras do do.....	23 00	
			1,023 68
<i>Cross Island Fog-Alarm.</i>			
Irish & Smith.....	Hardware.....	14 77	
W. S. Symonds & Co.....	Labor and materials to machinery.....	202 84	
Geo. E. Smith.....	Boarding workmen, teaming, &c.....	48 50	
Jacob Bowser.....	Erecting building.....	455 05	
			721 16
<i>Harbour au Bouché.</i>			
D. M. Browne.....	Travelling expenses.....	57 00	
S. O'Donoghue.....	Inspecting during building.....	50 00	
S. Benoit.....	Loss sustained in purchase of stone.....	25 00	
E. Corbett.....	Purchase of land and right of way.....	50 00	
M. Webb.....	do do.....	60 00	
D. McDonald.....	Deeds and recording.....	20 00	
E. Chanteloup.....	Lantern, lamps, &c.....	476 29	
M. McDonald.....	Freight, &c., on lantern.....	45 85	
J. W. Hall.....	Purchase of land.....	50 00	
Wm. Kaulback.....	On account of contract.....	475 00	
			1,309 14
<i>Oak Point Pier, Kingsport.</i>			
D. R. Huntley.....	Building tower, &c., as per contract.....		221 50
Carried forward.....			3,275 48

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—Continued.

		\$	cts.	\$	cts.
Brought forward.....				3,275	48
NOVA SCOTIA—Concluded.					
<i>Pease's Island.</i>					
Intercolonial Ry. Co.....	Freight on lantern.....	57	44		
John Overy.....	Cartage do.....	4	00		
Israel Chute.....	Account of contract for building.....	1,495	79		
E. Chanteloup.....	Lantern and lighting apparatus.....	1,559	84	3,117	07
<i>Pictou Custom House.</i>					
Pictou Gas Co.....	Expenses fitting for light.....			36	57
<i>Point Michaud, St. Esprit Island, C.B.</i>					
C. Dwyer & Co.....	Freight on lantern.....	64	17		
E. Chanteloup.....	Cast iron lantern, lighting apparatus, &c.....	1,868	52	1,932	69
<i>Port L'Ebert.</i>					
N. R. Freeman.....	Survey and plan of land.....	13	50		
Mrs. J. McDonald.....	Purchase of site.....	109	00	113	50
<i>Sheet Harbour.</i>					
Intercolonial Railway.....	Freight on lantern.....	71	94		
John Overy.....	Cartage.....	6	00		
E. Chanteloup.....	Lantern, lamps and lighting apparatus.....	1,801	56		
T. B. Siminon.....	Inspecting during building.....	70	00		
Routledge & Drake.....	Building landing.....	105	00		
do.....	Account of contract of building.....	1,750	00	3,804	50
<i>Three Top Island.</i>					
Intercolonial Railway.....	Freight on lantern.....	59	50		
John Overy.....	Cartage.....	3	00		
E. Chanteloup.....	Lantern and lighting apparatus.....	790	71	853	21
<i>Wedge Island.</i>					
Intercolonial Railway.....	Freight on lantern.....	57	43		
John Overy.....	Cartage.....	4	00		
E. Chanteloup.....	Lantern and lighting apparatus.....	1,639	49	1,700	92
GENERAL ACCOUNT.					
H. W. Johnston.....	Travelling expenses.....	23	12		
J. Overy.....	Cartage on lantern.....	1	50		
Chance Bros. & Co.....	Polished plate glass..... £519 10s. 9d.	2,528	41	2,553	03
Total.....				17,386	97

STATEMENT of Expenditure on account of Construction of Lights and Fog-Whistles, etc.—*Continued.*

PRINCE EDWARD ISLAND.		\$	cts.	\$	cts.
GENERAL ACCOUNT.					
L. H. Davies.....	Professional services, drawing deeds, &c.....	71	55		
Prince Edward Island					
Railway Co.....	Freight of material.....	23	80		
Steamer "M. A. Starr" ..	do plate glass.....	1	91		
Patrick Cahill.....	Labour on materials.....	3	00		
Charlottetown Examiner.	Advertising for tenders.....	2	40		
Summerside Progress.....	do	2	80		
					105 46
	<i>Brush Wharf Beacon Light, Orwell.</i>				
Robt. Fennell.....	Contract for building.....				185 00
	<i>Cascumpec Light.</i>				
John Caven	Advertising for tenders	3	25		
Peter McLeod	do	2	28		
Thos Fahy.....	Allowed for extras.....	44	00		
					49 53
	<i>Indian Point Light.</i>				
F. Chanteloup.....	Iron lantern, reflectors, chimneys, &c.....	631	84		
Thos. Beattie.....	Freight and expenses on lantern, &c.....	41	60		
W. Mitchell.....	Paid expenses of locating light.....	7	50		
					680 94
	<i>Murray Harbour Range.</i>				
E. Chanteloup.....	2 lanterns, galleries, reflectors, stands, &c.....				508 83
	<i>St. Peter's Range Light.</i>				
Graves & Co.....	Advertising for tenders in Summerside Journal	2	10		
Jas. Barclay.....	Contract for building.....	550	00		
Wm. Allward.....	Expenses for inspecting	25	00		
E. Chanteloup.....	Lantern and lighting apparatus.....	437	02		
W. W. McGrath.....	Truckage, &c., of lantern and apparatus.....	7	00		
Hy. Williams.....	Levelling ground and blocking up tower.....	10	00		
					1,031 12
	Total				2,560 88

RECAPITULATION.

Construction of Lights, &c., above Montreal	\$11,993 75
do between Quebec and Montreal	1,183 28
do below Quebec.....	2,971 30
do New Brunswick... ..	22,598 14
do Nova Scotia	17,386 97
do Prince Edward Island.....	2,560 88
Total.....	\$58,694 32

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 9.

To the Twelfth Annual Report of Marine and Fisheries, being Statement of Expenditure on account of Dominion Steamers for the Fiscal Year ended 30th June, 1879.

<i>Steamer "Napoleon III."</i>		\$ cts.
Capt. Despres.....	12 months salary as Captain.....	799 92
J. U. Gregory.....	Wages of officers and crew from 1st July, 1878, to 30th June, 1879, as per monthly pay-lists.....	5,321 49
Capt. Despres.....	Paid for provisions, &c., \$334.15; board and ferry-ages, \$34.....	368 15
T. Routier.....	Pay-lists, repairing by joiners, blacksmiths, painters, &c.....	1,445 87
O. Plamondon.....	Harbour dues.....	3 02
Archer & Co.....	Lumber.....	109 80
J. Boivin.....	Hardware.....	112 55
Dawson & Co.....	Stationery.....	12 85
G. Bouchard.....	Provisions.....	624 66
F. Plamondon.....	Fish.....	205 02
J. Davidson.....	Bread.....	174 50
P. F. Renfret.....	Medicine.....	10 00
L. Marois.....	Vegetables.....	527 29
B. Langlois.....	Milk.....	145 98
F. Veina.....	Painting.....	275 05
J. Marmen.....	Cartage.....	129 40
Widow C. Terreau.....	Castings.....	31 65
W. Crawford & Sons.....	Coal.....	948 17
J. Vaudry.....	Mattresses.....	9 00
F. W. Fraser.....	Wharfage and storage.....	4 00
Jos. Eden & Son.....	Provisions, coal and wharfage.....	375 98
Pictou Vale Coal Co.....	322 tons coal, \$1.90.....	611 80
F. Rouillard.....	Washing, \$135; repairing mattresses, \$18.63.....	153 63
Leonard & Ellis.....	Oil.....	25 50
Jones & Burland.....	do.....	44 19
L. Bourget.....	Provisions.....	663 17
J. Levesque.....	Labour at coal.....	128 65
H. S. King & Co.....	Subscription to <i>Nautical Magazine</i>	4 28
L. Tétu.....	47 gallons porpoise oil, 80c.....	37 60
G. T. Phillips.....	Valves, bolts and repairs.....	457 49
C. P. Champion.....	659 tons coal, \$4.....	2,636 00
J. Beliveau.....	Inspecting oil.....	3 40
A. Casgrain.....	161 gallons porpoise oil, \$1.....	164 00
French Manufacturing Co.....	Boiled meats.....	59 14
M. S. Scott & Co.....	Iron.....	18 95
F. Derouin.....	Repairing blocks, \$49.75; butter, &c., \$5.50.....	55 25
V. Belanger & Co.....	Linseed oil and turpentine.....	224 25
T. Parent.....	2 salting tubs.....	10 00
J. M. Tardivel.....	Glass.....	8 80
R. Côté.....	Provisions, washing, watching, &c.....	40 50
Andet & Robitaille.....	Oil skins, rope, canvas, &c.....	282 97
W. Watson.....	Cotton, duck, sails, &c.....	26 00
L. Arel.....	Meat.....	1,614 38
H. Locke.....	do.....	25 00
G. Bissett.....	Turning bolts, piston rod, repairs, &c.....	183 24
E. D. Dion & Co.....	Provisions.....	56 90
Wm. Barbour.....	Allowance for board, \$25; labour, coaling, \$21.50; on account disbursements, \$400.....	446 50
T. Tremblay.....	6 cords wood, \$3 30.....	19 80
Martin & Co.....	Patent anchor.....	226 15
A. H. Murphy.....	25 tons coal, \$6.00, \$150; 9½ chaldron, \$7.50, \$73.75.....	223 75
Carried forward.....		20,078 54

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$ cts.
Brought forward.....		20,078 54
<i>Steamer "Napoléon III."—Continued.</i>		
Meagher & Doherty.....	Provisions, meat	273 01
F. O. Vallerand	Chimneys.....	9 75
Q. & Gulf Port S. S. Co.	Freight	24 01
F. M. Dechene	Clothing, carpeting, towelling, &c.....	229 45
E. Chanteloup	Buttons for officers' uniforms, \$5.50 ; fire bricks, \$19.	24 50
O. Gourdeau.....	33 days as joiner, \$1.20	39 60
Duquet & Co.....	Clock and repairs.....	18 00
N. Fitzhenry.....	Coaling, \$90 ; washing, \$7.35	97 35
H. W. Johnston.....	To pay for 400 tons of coal, \$1.90.....	760 00
J. O'Donohue.....	Repairing compasses, &c.....	9 50
Allans, Rae & Co.....	Freight of anchor	6 68
S. J. Shaw & Co.....	Hardware.....	229 50
Touissant et frère.....	Provisions.....	107 83
Toronto Oil Co.....	Oil	6 75
W. H. Laroche.....	Medicines.....	1 25
C Poston & Co.....	Coal	7 86
Z. Lapierre.....	Oars.....	33 80
G. R. Renfrew & Co.....	Caps and crowns	96 90
J. Blais.....	Wintering steamer	75 00
J. Williamson.....	Watching	87 25
N. Turcot	Rockets	18 00
J. H. Chaloner.....	Lumber.....	92 12
S. Bédard	Tinware, pipes, repairs, &c.....	187 00
J. Shea & Bros.....	Provisions.....	44 32
T. Poliquin.....	Ladders.....	3 85
R. Blakiston	Repairing sails	58 38
Simon Peters.....	Deck planking.....	50 94
J. B. Côté.....	Provisions.....	60 93
L. B. Demers.....	Flour, &c.....	19 50
Chinic & Beaudet.....	Iron and shovels	14 16
F. Lafamme.....	Bread	88 00
J. Cunningham.....	Cork fenders, life buoys and repairing sails.....	84 00
J. Rolph.....	Pay-list, putting up windlass, repairs to boiler, machinery, &c.....	1,387 92
F. Descroiselle.....	Watching.....	40 00
J. Sullivan.....	Windlass, \$356 ; tank, \$40.....	496 00
U. Auclair.....	Deck scrubbers	6 00
J. Racine	Spikes.....	12 00
L. G. Desjardins.....	Printing	6 60
Grand Trunk Railway Co	Freight.....	12 58
Thos. Roy.....	Syrup.....	6 00
C. Prendergast.....	Paint.....	45 00
J. Dunn	Soap.....	12 18
Quebec Customs.....	Duty on oil and brooms	58 10
Queen's Wharf.....	Moorage.....	100 00
T. Berrigan.....	Clearing snow.....	40 00
A. J. Turcotte.....	Provisions.....	555 26
C. Weatherston.....	Covering hose.....	12 69
L. Leclerc.....	Use of jackscrews.....	16 00
John Dery.....	Provisions.....	20 00
J. Couette.....	Labour loading steamer.....	16 00
W. T. Davie.....	Towage	25 00
O. Giguère.....	Pipes, repairing copper piping, &c	67 80
L. Tardif.....	Labour at coals.....	25 46
W. McDonald.....	Painting.....	160 80
W. Lee.....	Making and trimming 10 suits, \$95 ; 12 pairs of pants, \$18.....	113 00
Wm. Carrier.....	Provisions.....	5 75
E. Giroux et frère.....	Medicine	1 20
P. G. Russière.....	Peas.....	0 90
L. Poulin.....	Provisions.....	41 32
L. F. Faffard.....	Fish	4 27
Hamel et frères.....	Clothing.....	163 95
J. J. Gale.....	Pillows.....	12 00
Carried forward		26,401 31

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$	cts.	
	Brought forward.....	26,401	31	
	<i>Steamer "Napoleon III."—Concluded.</i>			
G. Glassford	Charges for fire extinguishers.....	11	00	
D. Davidson.....	Oil, bags, brooms, &c.....	339	62	
G. F. Davie.....	Dockage.....	14	00	
Carrier, Laine & Co.....	Screws, nuts and repairing anchor.....	192	03	
O. E. Holliwell.....	Stationery.....	6	25	
T. Norris.....	Crockery.....	8	90	
				26,973 11
	<i>Steamer "Druid."</i>			
Capt. A. Marmen.....	12 months salary as Captain	\$980	00	
do	do superannuation tax.....	20	00	
		1,000	00	
J. U. Gregory	do pay list of officers and crew.....	4,827	13	
Capt. A. Marmen.....	Expenses during voyages, provisions, vegetables, &c.....	211	85	
J. Boivin	Hardware, white lead, paint, &c.....	102	25	
Dawson & Co.....	Stationery.....	14	00	
F. O. Vallerand.....	Lantern, chimneys and burners.....	11	20	
T. Routier	Repairs, making models, &c.....	466	40	
F. Plamondon.....	Fish.....	135	24	
J. Davidson.....	Bread.....	151	30	
P. F. Rinfret.....	Medicines.....	12	00	
L. Marois.....	Vegetables.....	634	13	
J. Marmen.....	Cartage.....	94	90	
Widow C. Terreau.....	Castings.....	6	48	
D. Langlois.....	Milk.....	113	85	
G. Lapointe.....	Preserved meats.....	67	85	
Adam Watters.....	Groceries.....	763	52	
Mrs. E. Fitzhenry.....	Washing.....	16	02	
Jos. Eden & Son.....	Coal.....	250	00	
J. Lévesque.....	Labour at coal.....	35	70	
P. Rouillard	Repairing mattresses, \$3.50; washing, \$135.....	138	50	
Leonard & Ellis.....	Oil.....	25	50	
Jones & Burland.....	Candles.....	17	10	
L. Bourget.....	Provisions.....	352	42	
L. Tétu	47 gallons of porpoise oil, 80 cts.....	37	60	
G. T. Phillips.....	Rubber and repairs.....	85	95	
L. Arél.....	Meat, vegetables and ice.....	635	36	
L. Fusk	Repairing rigging.....	6	00	
A. Casgrain.....	164 gallons of porpoise oil, \$1.....	164	00	
H. S. Scott & Co.....	Iron.....	10	59	
V. Belanger & Co.....	Linseed oil and turpentine.....	224	25	
Archer & Co.....	Lumber.....	44	02	
J. M. Tardivel.....	Varnish, paint and glass.....	14	05	
Audet & Robitaille.....	Oilskin, rope, canvas, &c.....	310	68	
G. T. Davie.....	Docking.....	132	98	
G. Bouchard.....	Provisions.....	116	09	
T. Tremblay.....	6 cords firewood, at \$3.30.....	19	80	
Martin & Son.....	Patent Anchor.....	114	34	
E. D. Dion & Co.....	Provisions.....	13	20	
F. X. Grenier.....	Groceries.....	22	86	
Chas. P. Champion.....	23 tons coal, at \$4.....	92	00	
Quebec & Gulf Ports Steamship Co.....	Freight.....	2	95	
F. M. Dechene.....	Clothing.....	236	55	
E. Chantaloup.....	Buttons for officers' uniforms.....	5	50	
A. Fraser & Co.....	41 tons coal.....	143	50	
M. McLaughlin.....	Flour.....	14	55	
N. Fitzhenry.....	Labour coaling.....	50	25	
Dom. Telegraph Co.....	Messages.....	2	97	
H. W. Johnston.....	To pay for 252 tons coal, at \$1.90.....	478	80	
Wm. Barbour.....	Paid for coal and cartage, \$89.50; allowance for board, \$25.....	114	50	
Allans, Rae & Co.....	Freight.....	3	77	
	Carried forward.....	12,544	45	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$ cts.	\$ cts.
	Brought forward.....	12,544 45	.....
	<i>Steamer "Druid."—Concluded.</i>		
S. J. Shaw.....	Hardware.....	96 18	
Toussaint et frère.....	Groceries.....	77 35	
H. Dinning & Co.....	Lumber.....	35 21	
A. McCallum.....	Code signal-book.....	5 00	
A. Pelletier.....	Bricks and cement.....	6 00	
C. Poston & Co.....	Coal.....	7 18	
W. Watson.....	Cover for winch.....	11 15	
C. E. Holiwell.....	Stationery.....	10 50	
J. E. Livernois.....	1 doz. photos of officers.....	11 00	
J. Lynch.....	Rope.....	54 53	
Z. Lupierre.....	Bars.....	33 60	
P. Bélanger.....	16 days wages repairing, \$16; pilotage, \$70.....	86 00	
G. R. Renfrew & Co.....	Caps and crowns.....	104 15	
J. Blais.....	Wintering.....	80 00	
J. Lachance.....	Watching.....	84 00	
N. Turcotte.....	Rockets.....	24 00	
S. Bédard.....	Tinware, piping, repairs, &c.....	120 10	
J. Shea & Bro.....	Provisions.....	17 44	
J. O'Donohoe.....	Repairing compasses.....	4 50	
Wm. Crawford.....	Coal.....	420 75	
J. B. Côté.....	Provisions.....	47 53	
J. Parks & Sons.....	Rags.....	3 85	
J. H. Chaloner.....	Lumber.....	7 30	
F. T. Thomas.....	Glassware.....	4 00	
Chinic & Beaudet.....	Iron and shovels.....	4 01	
F. Laflamme.....	Bread.....	66 00	
G. Bissett.....	Repairs and turning.....	94 37	
T. Norris.....	Crockery.....	24 25	
J. LePage.....	Watching.....	13 60	
J. Cunningham.....	Life-buoys, fenders, &c.....	60 00	
S. Carroll.....	Repairing boiler, scraping ship, &c.....	169 72	
Z. Lefebvre.....	Watching.....	34 40	
O. Auclair.....	Deck brushes.....	6 00	
Le. Marcou.....	Washing, 13 dozen, at 60c.....	7 80	
J. Racine.....	Spikes.....	12 00	
Thos. Roy.....	Syrup.....	5 60	
C. Prendergast.....	Paint.....	45 00	
B. Leonard.....	Painting.....	464 79	
Jno. Dunn.....	Soap.....	12 18	
Quebec Customs.....	Duty on oils, brooms and tubes.....	96 07	
Queen's Wharf.....	Moorage.....	99 37	
Carrier, Laine & Co.....	Hawsepipe, repairing boiler, &c.....	46 67	
Tm. Berrigan.....	Clearing snow.....	40 90	
Fullerton & Alexander.....	Mast and spars.....	57 00	
O. Giguère.....	Tinware.....	194 70	
Rich. & Ontario Navigation Co.....	Freight to and from Montreal.....	6 00	
Wm. Lee.....	Making and trimming 13 suits and 14 pants.....	142 00	
Geo. Hall & Co.....	Groceries.....	223 41	
A. W. Glassford & Co.....	Refrigerator.....	24 25	
W. Carrier.....	Provisions.....	2 88	
French Manuf'g Co.....	Preserved meats.....	132 45	
Corporation of Pilots.....	Percentage on Capt. Marmen's salary, 1st May, '79.....	40 00	
E. Giroux et frère.....	Medicine.....	18 50	
P. G. Bussière.....	Peas.....	1 10	
Giblin & Co.....	3¼ chaldrons of coal, at \$5.50.....	191 12	
L. Poulin.....	Provisions.....	31 55	
Wm. Patton.....	Candle brackets, swivels repairs.....	22 15	
Mamel et frère.....	Carpets, oil-cloth, linen, serge, &c.....	968 18	
G. Glassford.....	Charges for fire extinguishers.....	11 00	
D. Davidson.....	Friction tubes, bags, oil and brooms.....	715 59	
L. Tardif.....	Labour at coal.....	50 00	
			17,009 48

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$	cts.
<i>Steamer "Newfield."</i>			
Thomas Nettles.....	Provisions.....	4	55
H. Titus & Bros.....	do	21	40
Mrs. Adams.....	Washing	4	65
Wallace & Balcom	Crockery ware	19	30
C. & W. Anderson	Provisions.....	665	11
H. Van Tassel.....	Ice	5	50
J. N. Purdy	Petty disbursements during voyages, &c.....	152	50
do	Railway ticket to St. John.....	5	00
A. H. Creighton	Stationery, log-books, &c.....	60	62
A. McKay	Smoke pipe	23	90
do	Packing and wire cloth	58	74
do	Contract for smoke-stack, labour, &c.....	410	80
A. H. Chandler.....	Medical attendance.....	5	00
Ellen Shea.....	Washing.....	7	25
Alfred Vail.....	Provisions.....	44	75
R. H. Cogswell.....	Rating chronometer.....	6	00
do	Magnets.....	28	00
G. F. Smith & Co.....	Rope	111	55
Wm. Kennedy	Provisions.....	179	93
Allen Bros.....	Castings	5	60
Alex. Duff	Water	35	00
O. P. Harding & Son	Boards	7	00
W. Cotter & Sons	Provisions.....	491	24
E. Ross.....	Oars	4	60
L. B. Wilbur	Provisions.....	101	46
Warner & Harrison.....	Cutting glass	1	00
Henry O'Neil.....	Provisions.....	33	70
Lawson, Harrington & Co	Towage	30	00
do	Oil	29	60
S. Cunard & Co.....	Peacock paint.....	134	40
Peter Judge	Water	106	40
Moir, Son & Co.....	Bread	153	99
Geo. Adams	Repairs to shaft.....	48	17
Brackett & Duffy.....	Fish	43	00
Emil Vossuack	Plans, specifications, &c., of shaft and propellor.....	35	00
W. & A. Nauffs	Provisions.....	223	20
J. Woodill & Son.....	Beef	166	48
D. C. Stuart.....	Board of Capt. Purdy.....	3	12
T. Moreash.....	Blacksmith work	77	25
Buzzell & Files	Washing.....	49	28
Chebucto Railway Co.....	Slip hire	2,634	00
A McDonald	Survey and report on shaft and propellor.....	15	00
Geo. Rent	Tin ware	9	80
J. Patterson	Repairs to boiler.....	165	48
Thomas Offen.....	Blocks	16	46
Chipman Bros	Ship-chandlery.....	309	21
McIntosh & McInnis.....	Lumber	5	18
James Kelly	Beef, &c.....	109	97
W. & J. Glendenning	Ice	21	00
J. F. Phelan	Masthead lantern.....	20	00
Henry Willis.....	Beef	39	04
D. McArthur.....	Water	40	00
Dawson, Gordon & Co.....	Stove pipes.....	9	18
J. W. Gordon.....	Provisions.....	234	07
J. Ferguson.....	Labour coaling	29	28
J. H. Feltmate	Beef	39	71
W. A. Cook	Pilotage	10	00
Meagher & Doherty.....	Beef	221	27
J. T. Greenwood.....	Rockets and blue lights.....	26	63
J. U. Gregory	To pay for pilotage, provisions, bread, &c., furnished at Quebec.....	246	60
J. Hamil et freres.....	Blankets.....	40	80
Vale Coal & Iron Co.....	325 tons coal, \$1.90.....	617	60
Archibald & Co.....	Provisions	36	48
Carried forward.....		8,490	70

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$	cts.	cts.
	Brought forward	8,490	70	.....
<i>Steamer "Newfield."—Concluded.</i>				
Lordly & Stimpson.....	Provisions.....	911	49	
Irish & Smith.....	Olive oil, rope, hardware, &c.....	675	89	
J. C. Merlin.....	Mouldings.....	3	48	
A. & W. MacKinlay.....	Stationery.....	7	73	
W. S. Symonds & Co.....	Repairs to hull, boiler, engines, tanks, &c.....	3,792	96	
do	..... Tubes for boiler.....	864	08	
G. L. Stone.....	Stone.....	2	00	
M. Phelan.....	Labour coaling.....	146	96	
Macdonald & Co.....	Heating apparatus.....	40	19	
do	..... Rubber valve.....	55	45	
do	..... Machinists' supplies, repairs.....	283	71	
Henry Cook.....	Provisions.....	100	60	
Maurice Downey.....	Painting.....	57	41	
Fred. Meyer.....	Provisions.....	143	78	
W. P. Sullivan.....	Beef.....	270	92	
A. Warner.....	Ferriages.....	2	80	
do	..... Labour in engine room.....	118	49	
W. McFabridge.....	Tinware, block, &c.....	35	45	
J. W. Allan.....	Lumber.....	9	35	
Brookfield Bros.....	Cement.....	31	85	
F. C. Stevens.....	Coals.....	25	00	
White & Simmonds.....	Tinsmiths' supplies, repairs.....	27	50	
John Hunter.....	Boat hooks.....	2	50	
R. A. Nesbet.....	Medicines.....	12	20	
R. Beazley & Co.....	Fish.....	27	30	
J. Hogan & Sons.....	Lumber.....	47	26	
W. N. Wickwire.....	Medical attendance.....	5	00	
Wm. Compton.....	Dockage.....	9	00	
do	..... Storage and wharfage, coal.....	105	83	
J. Findlay.....	Repairing boats.....	54	00	
M. Petitpas.....	Milk.....	1	76	
W. Stars, Son & Morrow.....	Oakum, pitch, rope, paint, &c.....	276	11	
M. O'Brien.....	Repairs, caulking, &c.....	158	74	
Capt. E. O'Brien.....	On account disbursements.....	200	00	
Richard Abbott.....	Blocks.....	43	23	
J. P. Mott.....	Soap and soda.....	6	86	
R. Baxter.....	Matrass, pillows, stools, &c.....	24	50	
J. Sheridan.....	Re-covering ventilator.....	10	00	
Edward Walsh.....	Painting.....	252	36	
John Parker.....	Beef.....	384	85	
Dr. E. Farrell.....	Medical attendance.....	7	00	
Griffin & Morris.....	Blacksmith work.....	27	42	
W. A. Wood & Co.....	Cylinder oil.....	56	16	
F. W. Feshwick.....	Freight of boat.....	5	25	
Theakston & Angevin.....	Scales, weights, measures, &c.....	20	55	
Halifax Co (Limited).....	111 tons coal, \$1.80.....	199	80	
Austin Bros.....	Oil.....	64	58	
Creighton & Marshall.....	Charts.....	5	60	
H. W. Johnston.....	Wages of officers and crew from 1st July 1878, to 30th June, 1879, as per monthly pay-lists.....	10,081	17	
	Total.....			28,186 82
<i>Steamer "Glendon."</i>				
Burrell, Johnson & Co.....	Machinists' repairs.....	184	23	
J. N. Gardner.....	Carpenter work.....	93	47	
N. K. Clements.....	Towage.....	25	00	
E. Allen & Co.....	Provisions.....	56	40	
M. Phelan.....	Coaling.....	78	16	
A. & H. Creighton.....	Charts, &c.....	7	76	
Adam McKay.....	Repairs.....	2	98	
Capt. D. M. Browne.....	Sundry disbursements during voyages.....	386	87	
	Carried forward.....	834	87	.....

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$ cts.	\$ cts.
Brought forward.		834 87	.....
<i>Steamer "Glendon."—Continued.</i>			
S. Townsend.....	Anchor.....	39 15	
Wallace & Balcom	Cabin furniture, crockery ware.....	166 50	
Peter Judge	Water.....	46 00	
Moir, Son & Co.....	Bread.....	166 58	
W. P. Sullivan.....	Beef.....	191 18	
Wier Bros. & Co.....	Hardware, brushes, &c.....	25 83	
Edward Kerr.....	Iron davits.....	73 05	
do	Repairing anchor.....	17 50	
do	Anchor, stock.....	19 25	
M. Pettipas.....	Provisions.....	39 27	
Wm. Roche, Jun.....	50 tons coal, \$3.33.....	166 50	
S. A. White & Co.....	Dockage.....	57 00	
Chipman Bros.....	Olive oil, rubber, rope, hardwood, &c.....	283 95	
Meagher & Doherty.....	Beef.....	41 51	
M. Foster.....	Water.....	3 75	
J. Patterson.....	Ash bucket, \$4; repairs, \$8.44.....	12 44	
C. & W. Anderson.....	Provisions.....	516 06	
Buzzell & Files.....	Washing.....	33 72	
J. E. Wilson.....	Copper piping, repairing stove, oil cans, &c.....	42 45	
W. & A. Nauffs.....	Provisions.....	125 69	
J. E. Butler.....	Oars.....	15 24	
Lawson, Harrington & Co.....	Towages and oil.....	38 50	
J. P. Mott & Co.....	Tallow.....	29 25	
Geo. Adams.....	Repairs to machinery.....	40 46	
J. Jodry.....	Carpenters work.....	53 00	
W. Boak & Son.....	Dockage.....	10 50	
T. Offen.....	Blocks, &c.....	30 82	
Macintosh & McInnes.....	Lumber.....	2 77	
Brackett & Duffy.....	Fish.....	40 65	
T. Moreash.....	Blacksmith work.....	22 50	
H. H. Fuller & Co.....	Ship-chauldery.....	11 32	
J. Woodill & Sons.....	Beef.....	101 73	
James Anderson.....	do.....	211 69	
S. Cunard & Co.....	4½ tons of coal, \$4.....	166 00	
Brookfield Bros.....	Lumber.....	2 72	
S. Mosher.....	Repairing damage to wharf.....	50 00	
J. T. Greenwood.....	Rockets and blue lights.....	26 62	
E. Moseley.....	Copper paint.....	20 00	
W. B. Reynolds & Co.....	Rope and spun yarn.....	31 05	
Lewis Wilson.....	Blacksmith work.....	12 25	
E. A. LeCain.....	Beef.....	127 77	
W. & J. Glendenning.....	Ice.....	14 20	
Fred. Meyer.....	Provisions.....	84 40	
M. Dadey.....	Labour.....	16 55	
Macdonald & Co.....	Repairs to engine, boiler, &c.....	1,018 79	
Henry Cook.....	Provisions.....	71 25	
John Stairs.....	Olive oil, waste, &c.....	73 37	
Wm. McFabridge.....	Ballast, iron, &c.....	320 77	
Griffin & Morris.....	Blacksmith work.....	95 33	
A. Stephen & Son.....	Mattress.....	15 00	
F. C. Stevens.....	Coal.....	4 62	
White & Simmonds.....	Tinsmiths and plumbers supplies, repairs.....	50 35	
R. H. Cogswell.....	Magnets.....	4 00	
James Scott.....	Provisions.....	284 57	
John McLeod.....	Scaling and cleaning boiler.....	75 63	
James Sutherland.....	do do.....	76 25	
Wm. Compton.....	Dockage.....	75 75	
W. S. Symonds & Co.....	Steam dome.....	645 26	
do	Repairs to hull, boiler, &c.....	563 03	
Irish & Smith.....	Hardware, red and white lead, packing, &c.....	190 99	
D. Grant.....	Alterations in cabin.....	45 60	
Pickford & Black.....	Copper paint.....	33 75	
Carried forward.		7,706 55	.....

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$ cts.	\$ cts.
	Brought forward.....	7,706 55	
<i>Steamer "Glendon."—Concluded.</i>			
Edward Pyke.....	Labour on board.....	8 12	
S. McNeil.....	do.....	8 12	
John Findlay.....	Repairing boats.....	30 00	
Chebucto Marine Rail- way Co.....	Slip hire.....	288 09	
G. Flowers & Son.....	Hatch covers.....	28 57	
J. Heenan.....	Coopering water casks.....	6 20	
D. O'Donnell.....	Caulking, carpenters and iron repairs, &c.....	499 08	
J. Hogan & Sons.....	Lumber.....	8 74	
John Parker.....	Beef.....	102 75	
Burns & Murray.....	Towelling.....	7 95	
W. Stairs, Son & Morrow	Rope, hemp, boiled oil, &c.....	74 40	
Acadia Coal Co.....	60 tons of coal, at \$3.12.....	187 20	
Maurice Downey.....	Painting.....	49 20	
W. N. Wickwire.....	Medical attendance.....	5 00	
Joseph Davies.....	Locks, &c.....	3 75	
Creighton & Marshall.....	Log-books and stationery.....	3 50	
D. M. Browne.....	Wages of officers and crew.....	4,812 49	
			13,829 71
<i>Steamer "Sir James Douglas."</i>			
Captain J. Devereux.....	12 months salary as Captain.....	1,399 92	
James Cooper.....	do wages of officers and crew.....	4,538 05	
Cameron & Ross.....	Provisions.....	1,269 50	
Ewen & Wise.....	Fish and cordwood.....	36 50	
J. J. Robinson.....	Making pump for coal punt.....	7 00	
G. W. A. Lange.....	Repairing and cleaning 3 clocks.....	4 50	
A. R. Robinson.....	Legal expenses.....	5 00	
S. L. Kelly & Co.....	Iron, tinware, lead and repairs.....	70 08	
Langley & Co.....	Oil, soap, burners, &c.....	65 90	
Amador Melina.....	Milk, fish and vegetables.....	8 00	
Victoria Waterworks.....	12 months supply of water.....	30 00	
Sam. Ching.....	Washing.....	15 16	
L. H. Wilton.....	Repairing flag.....	4 50	
Dunsmuir, Diggle & Co.	299 tons coal, at \$4.50.....	1,345 50	
E. B. Marvin.....	Nut oil, cotton waste, paint, hardware, &c.....	130 20	
Fellows & Roscoe.....	Wire cloth, &c.....	6 88	
W. P. Sayward.....	Lumber.....	2 32	
T. N. Hibben & Co.....	Stationery.....	7 49	
P. M. McQuade & Son.....	Coal oil, nut oil, hose, paint, packing, &c.....	211 82	
J. Spratt.....	Repairs to machinery, screw, wheelbarrows and furnace bars.....	233 65	
W. D. Higgins.....	Advertising.....	4 00	
			9,395 97
	Amount advanced Capt. Devereux for Port charges while engaged in carrying Her Majesty's Mail to Port Townsend.....		416 50
			9,812 47
<i>Steamer "Northern Light."</i>			
Capt. Finlayson.....	12 months and 17 days salary as Captain, from 14th June, '78, to 30th June, '79, at \$900 per annum	942 50	
William Mitchell.....	Wages of officers and crew, from 14th June, 1878 to 30th June, 1879.....	3,683 11	
do.....	Travelling expenses.....	5 00	
Capt. Finlayson.....	Board, 124 weeks, at \$3.50, \$42.50; washing, \$3.75	46 25	
Mrs. McDonald.....	Board of Captain and Engineer, from 1st May to 5th November, each 26 weeks, at \$3.50 per week....	182 00	
P. R. Bowers.....	Advertising trips in Charlottetown <i>New Era</i>	9 58	
John Caven.....	do do <i>Herald</i>	8 50	
Colin McKenzie.....	Bread.....	17 90	
			4,894 84
	Carried forward.....	4,894 84	

STATEMENT of Expenditure on account of Dominion Steamers, etc.—*Con.*

		\$ cts.	cts.
	Brought forward.....	4,894	84
	<i>Steamer "Northern Light."—Concluded.</i>		
Dodd & Rogers	Olive oil, boiled oil, waste, hardware and packing.	638	48
W. M. Smith.....	Travelling expenses, &c.....	15	00
Charles Owen.....	Rent of warehouse for storing coal, \$112; shipping 24 men, \$12; articles, 25 cts.....	124	25
Jesse Hoyt.....	Coal.....	80	61
J. & J. Yorston.....	Balance for repairs, \$1,021.38; diving and use of apparatus, \$54.95	1,076	33
P. E. Railway Co.	Balance of account, \$376.78; labour supplied and material, \$149.21; passages, \$7.50.....	533	49
McDonald & Westaway...	Removing coal at Georgetown, \$21.75; truckage, labour and provisions, \$705.90.....	727	65
Schooner "Sylvanus Mc- Donald".....	Freight on 136 tons of coal, at \$1 per ton.....	136	00
Prince Edward Island Steam Navigation Co..	Passage of 2 seamen from Pictou to Charlottetown.	9	00
Milton Walsh.....	Repairing ice boats.....	35	75
N. K. McLean	do	18	78
W. S. Symonds & Co.....	Cost of propellor and putting in, \$2,723.57, compass and repairing, \$71.50	2,795	07
Acadia Coal Co.....	295½ tons of coal at \$2.....	591	86
John Crosby.....	209 lbs. of butter, at 18 cts.....	37	62
Stairs, Son & Morrow...	Cordage.....	53	19
Anglo-American Tele- graph Co.	Telegrams.....	33	61
John Quirk.....	Groceries, flour and bread.....	46	67
S. W. Crabbe.....	Olive oil, tallow, waste, soda, rubber hose, &c.....	315	33
Noonan & Davis	Repairs to "Northern Light," provisions, &c.....	3,444	61
Bourke, Son & Co.....	Metal, sheet, rubber, packing, olive oil, &c.....	114	31
A. P. Hobbs	Beef, milk and vegetables.....	188	91
D. Gordon.....	Groceries, oil cloth, stationery, &c.....	112	76
Wm. F. Best.....	Testing bronze of propellor	5	00
Mrs. G. Conley	Washing, 6½ doz., at 60 cts.....	3	80
Jno. D. McPherson.....	Boarding crew.....	11	75
Jas. Begane.....	Milk, 32 galls., at 25 cts.....	8	00
Chas. Stewart.....	Pilot, from 28th January to 6th March, at \$60.....	72	00
J. H. Byrne.....	5 railway tickets, at \$1.35.....	6	75
Robert Bridges.....	Beef.....	7	37
H. McDonald.....	Lumber and carpenters repairs.....	13	18
Peter McCourt.....	Printing	5	50
Blake Bros	Meat.....	87	80
Examiner Printing Co....	Printing, &c.....	5	35
M. Flynn.....	54 lbs. of mutton, at 8 cts.....	4	32
Mrs. Hillman.....	Washing.....	2	00
A. McPharland.....	Advance to pilot	25	25
Jos. Whitman.....	Paid for hauling coal.....	8	36
J. McMillan.....	Chief Engineer's board, 12 weeks 1 day, at \$3.50...	42	50
	Total		16,333 05

RECAPITULATION.

Steamer "Napoleon 3rd".....	\$26,973 11
do "Druid".....	17,999 68
do "Newfield".....	28,186 82
do "Glendon".....	13,829 71
do "Sir James Douglas".....	8,460 68
do "Northern Light".....	16,333 05
Total.....	111,783 05

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 10

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Steamboat Inspection, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
S. Risley	12 months salary as Chairman of Board..	\$1,764	00		
do	do superannuation tax	36	00		
				1,800	00
W. M. Smith	12 months salary as Deputy Chairman of Board and Inspector for N.B. and N.S.....	1,372	00		
do	do superannuation tax	28	00		
				1,400	00
W. J. Meneilley.....	12 months salary as Inspector, Toronto..	1,176	00		
do	do superannuation tax	24	00		
				1,200	00
John Burgess.....	12 months salary as Inspector, Montreal.	1,176	00		
do	do superannuation tax.....	24	00		
				1,200	00
F. X. Befort	12 months salary as Inspector, Three Rivers.....	980	00		
do	do superannuation tax	20	00		
				1,000	00
Jos. Sampson.....	12 months salary as Inspector, Quebec...	980	00		
do	do superannuation tax	20	00		
				1,000	00
Jos. Taylor	12 months salary as Inspector, Kingston	980	00		
do	do superannuation tax	20	00		
				1,000	00
Thos. Westgarth	12 months salary as Inspector, British Columbia....	750	00		
E. R. Abell.....	do do Manitoba.....	100	00		
S. Risley	Travelling and office expenses	918	79		
W. M. Smith	do do	608	80		
W. J. Meneilley.....	do do	293	56		
John Burgess.....	do do	140	91		
F. X. Befort.....	do do	120	21		
Jos. Sampson	do do	77	30		
Jos. Taylor	do do	212	87		
Thos. Westgarth.....	do do	414	94		
E. R. Abell.....	do do	60	82		
W. P. Weir	Balance of account for re-measuring Steamers.....	30	55		
Rolph, Smith & Co.....	Printing 2,000 certificates	60	00		
Harbor Commissioners, Montreal	Rent of Inspector's Office, fifteen months, to 1st May, 1879.....	312	50		
Copp, Clark & Co.....	Printing and binding	141	75		
G. T. Railway Co.....	Refund of dues wrongly collected at Sarnia.....	234	46		
	Total.....			13,076	46
	<i>Receipts.</i>				
	Inspection dues collected by Customs Department.	9,570	16		
	Fees from examination of Engineers collected by Chairman of Inspection Board	2,761	00		
				12,331	16

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

STATEMENT of Expenditure on account of Re-measurement of Steamers in
Inland Waters, for the Fiscal Year ended 30th June, 1879.

		\$ cts.	\$ cts.
W. M. Somerville.....	Balance of account and fees for re-measuring.....	11 50	
John Douglas.....	Fees for re-measuring.....	50 20	
Charles Fraser.....	do and travelling expenses.....	6 00	
James Clark.....	do do.....	13 22	
Total.....			80 92

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 11

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being a Statement of Expenditure in connection with Examination of
Masters and Mates, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
P. A. Scott	11 months salary as Chairman of Board	1,617	00		
do	Travelling expenses	855	17		
D. M. Browne	12 months salary as Clerk	882	00		
Receiver-General	Superannuation tax on P. A. Scott's salary	36	00		
do	do D. M. Browne's salary	18	00		
David Hunter	Examination fees	64	00		
G. A. Mackenzie	do	64	00		
Wm. Thomas	do	72	00		
T. Killam	do	56	00		
H. Lewis	do	56	00		
R. Cameron	do	16	00		
E. D. Ashe	do	28	00		
J. Prichard	do	56	00		
do	Postages, &c.	11	23		
Bank Note Co.	Printing certificates of Masters and Mates	28	50		
Bank of Montreal	To pay for forms, £2 14s.	13	16		
J. & A. McMillan	Stationery	6	75		
G. E. Morton	Subscription to Nautical Magazine	5	00		
A. & H. Creighton	Navigation books, stationery, Inman Tablets	50	60		
A. & W. Mackinley	Stationery	37	68		
Post Office, Halifax	Stamps	48	50		
E. Annand	Printing examination papers	21	38		
Della, Torre & Co.	6 sextants	127	00		
Burland & Desbarats	Engraving certificates	5	00		
H. Jacobs	3 gross pens	7	50		
F. E. Wilmot	Rent of Board room	30	00		
W. Hazelhurst	Stove and stovepipe	25	46		
R. P. & W. F. Starr	Coal	7	86		
T. Campbell	Gas fittings	16	80		
A. J. Lordly & Son	Sink basin, &c.	5	40		
D. McLeod	Clearing Board room	3	00		
J. W. Marling	Book case	14	25		
R. Baxter	Repairing office furniture	6	55		
	Less—Refund to Receiver-General			4,291	79
				41	67
				4,250	12
	Fees received from candidates for examination			1,320	00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 12

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Registry and Survey of
Canadian Shipping, during the Fiscal Year ending 30th June, 1879.

		\$	cts.	\$	cts.
Postmaster, Ottawa	P.O. Order to remit Board of Trade for forms.....	13	39		
Bank of Montreal	Sight bill on London, £7 17s. 0d., one year's sub- scription to <i>Shipping Gazette</i>	38	54		
do	Draft to pay for American Lloyds' Register	15	25		
Thomas H. Sime.....	Subscription to <i>Bureau Veritas</i> , £10 10s. 0d.....	51	10		
				118	28
Queen's Printer.....	Printing forms			40	06
	Total			158	34

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 13

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Expenditure on account of Investigations into Wrecks and
Casualties, for the Fiscal Year ended 30th June, 1879.

		\$ cts.	\$ cts.
E. O'Brien.....	Reporting wrecks, 31 at \$2.00.....	62 00	
James Barber.....	do 113 " 2.00.....	226 00	
H. A. Hood.....	do 40 " 2.00.....	80 00	
J. J. Fox.....	do 5 " 2.00.....	10 00	
James Ross.....	do 1 " 2.00.....	2 00	
George Collins.....	do 8 " 2.00.....	16 00	
C. E. Leonard.....	Expenses investigating loss of brig. "Albert S.".....	20 00	
A. McKay.....	do do bark "Annie Fleming".....	198 96	
Capt. P. A. Scott.....	do do schr. "Mabel Claire".....	96 99	
J. H. Dunlop.....	do do do.....	5 00	
E. D. Freeman.....	Furnishing report of "H. H. McCurdy".....	2 00	
Postmaster, Ottawa.....	P.O. Order for freight on box of forms, £1 3s. 11d.....	6 09	
Quebec Harbour Commissioners.....	To pay expenses investigating loss of Steamships "Lady Head," "Blenheim" & "Lake Megantic".....	966 29	
Total.....			1,691 33

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 14

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Rewards for Saving Life,
purchase, &c., of Lifeboats, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
Canadian Express Co.....	Freight and charges on watches from England.....	30	00		
George Cox.....	Engraving inscriptions.....	144	62		
D. Fortier.....	Rebuilding life-boat house, Port Colborne.....	59	00		
J. Maguire.....	Services rescuing crew of bark "Josephine".....	40	00		
A. O. & W. Maguire.....	do do do.....	40	00		
Robert Diggins.....	do do do.....	20	00		
Wm. Hadley.....	do do do.....	20	00		
John Child.....	do do do.....	20	00		
J. N. McKenzie.....	Labour at life-boat at Long Point.....	10	00		
Don Nicholas Crespote.....	Services rendered crew of "Ocean Lily," N.S.....	20	25		
R. Roddy.....	Annual grant for life-boat in Toronto Harbour.....	75	00		
James Fleming.....	Rescuing crew of bark "Chebucto".....	10	00		
R. Fleming.....	do do.....	10	00		
James Gallagher.....	do do.....	10	00		
Wm. Connors.....	do do.....	10	00		
John Smith.....	do do.....	10	00		
S. Gilkie.....	do do.....	10	00		
James Ross.....	Procuring information respecting drowning of R. McLean.....	10	00		
Ben. Fulker.....	Rescuing Wm. Nagle from drowning.....	10	00		
Chas. & Wm. Fulker.....	do do.....	12	00		
Jas. & Wm. Henneberry.....	do do.....	12	00		
Jas. Smith.....	do crew ex "Bismarck".....	10	00		
Edward Rogers.....	do do.....	8	00		
F. Neilson.....	do do.....	8	00		
Capt. H. Oliver.....	do schooner "C. Bell".....	10	25		
Alven Oliver.....	do do.....	10	25		
H. P. Hausen.....	do "Manomet".....	9	73		
L. Neilson.....	do do.....	9	73		
K. Peterson.....	do "Sissiboo".....	9	73		
E. Norberg.....	do do.....	9	74		
Michael Wall.....	do "T. E. Kenny," £3 sterling.....	14	60		
Bryan Roach.....	do do £3 do.....	14	60		
D. Rowhel and 3 Seamen.....	Assisting abandoned ship "Canada West," £8 10s.....	41	37		
Arthur Thurlow.....	Rescuing crew ex "G. W. Powland".....	10	00		
Lawrence Leblanc.....	do do.....	10	00		
A. T. Hermansen.....	do "F. C. Ebbitt".....	8	00		
P. T. Sivenbury.....	do do.....	8	00		
Sala Hausen.....	do do.....	8	00		
T. E. Lindeth.....	do do.....	8	00		
Seaman, Danish Steamer "Harald".....	do a seaman.....	38	93		
Carl Cattermole.....	do crew ex schooner "Celina E.".....	10	00		
Hendrich Maas.....	do do.....	10	00		
Edward Basuer.....	do do.....	10	00		
S. Heibenger.....	do do.....	10	00		
David Taylor.....	do bark "Vickings".....	12	00		
D. Desmond.....	do do.....	8	00		
James Brown.....	do do.....	8	00		
Geo. Molloy.....	do do.....	8	00		
John Rhodes.....	do do.....	8	00		
Carried forward.....		913	80		

STATEMENT of Expenditure on account of Rewards for Saving Life,
&c.—*Continued.*

		\$	cts.	\$	cts.
	Brought forward.....	913	80		
John Leslie.....	On account of watches, chains, binocular glasses, &c.....	650	00		
T. Deroche.....	Repairs to canoe, Murray Bay.....	18	08		
J. C. Harvey.....	To pay for surf boat and waggon for Port Colborne	255	64		
J. J. Mackenzie.....	Expenses placing life-boat, West end Long Point..	71	00		
Kingston Bros.....	Surf boat for West end of Long Point.....	250	63		
E. R. Kimpton.....	Watches, chains, marine glasses, &c., £135 11s. 11d	659	89		
Imperial Board of Trade, London.....	To pay services assisting crew "Gunhilda.".....	34	06		
	Less—Refund.....			2,853	10
					20 00
				2,833	10

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 15

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure and Receipts on account of Harbour Police, Montreal, and Water Police, Quebec, for the Fiscal Year ended 30th June, 1879.

QUEBEC.		\$	cts.
B. Trudel.....	12 months salary as Chief of Police and Shipping Master.....	\$1,176	00
do	do superannuation tax.....	24	00
do	Arrears of do 1877-78.....		2 00
Wm. Miller.....	12 months salary as Clerk to Chief of Police and Shipping Master.....	980	00
do	do superannuation tax.....	20	00
J. U. Gregory.....	Pay-list of men		13,362 53
do	do for good conduct, 9,025 days, at 10c. per diem.....		902 50
Henry Black.....	Bricks and fire clay.....		6 79
A. W. Glassford.....	Screws.....		15 00
F. O. Vallerand.....	Lamp, chimneys, wicks, lantern, &c.....		13 75
Archer & Co.....	Lumber.....		168 97
T. Routier.....	Repairing and outfitting steamer.....		427 23
Widow C. Terreau.....	Grate, grate bars, castings, &c.....		32 63
Jos. Vaudry.....	Cotton and buttons.....		4 09
G. T. Cary.....	Subscription to <i>Evening Mercury</i>		6 00
J. M. Tardivel.....	Varnish, paint, and painting sign.....		9 70
George Bisset.....	Screw propeller, brasses, &c.....		102 93
Ryan & Keraghan.....	Plumbers' repairs and materials.....		78 80
J. M. Tardif.....	Spars.....		8 00
L. Bourget.....	Soap, castor oil, &c.....		24 94
G. T. Phillips.....	Two quadrants, brasses, tubes, steam gauge, &c.....		59 75
H. S. Scott & Co.....	Hardware.....		97 60
R. Neil.....	Expanding tubes.....		7 50
F. M. Dechêne.....	Clothing, carpeting, &c.....		1,515 72
C. & W. Wurtele.....	Iron.....		4 04
T. Tremblay.....	16 cords of firewood, at \$3.60.....		57 60
Fuchs & Co.....	Clothing.....		235 00
T. A. Gauvreau.....	Cement.....		6 25
Audet & Robitaille.....	Canvas, rope, &c.....		50 55
D. Presho.....	Covering couch.....		3 50
A. Grant.....	Provisions.....		30 24
M. A. Hearn.....	Professional services prosecuting S. Gallagher.....		23 80
J. Boivin.....	Hardware.....		35 27
Paul Lemau.....	One month's instruction in drill.....		18 90
A. H. Murphy.....	51½ chaldrons of coal, at \$6.00.....		308 00
Dr. A. Vallee.....	Attendance on Mrs. Williamson.....		40 00
Fullerton & Alexander.....	12 boat knees, at 25c., \$3.00; plank and scantling, \$25.69.....		28 69
J. Marmen.....	One barrel of coal tar, \$3.40; cartage, \$7.95.....		11 35
L. Arel.....	Tallow, \$59.76; ice, \$10.00.....		69 76
C. E. Holiwell.....	Stationery.....	£15 4s. 9d.	60 95
E. Chanteloup.....	Buttons and anchors for uniforms.....		29 33
Duquet & Co.....	Clock repairs.....		11 00
J. Baldwin.....	Blocks.....		2 80
O. Migner.....	Stove.....		12 50
Dawson & Co.....	Stationery.....		17 45
H. Dinning & Co.....	Lumber.....		14 53
T. Andrews.....	Hardware.....		51 47
Carried forward.....			20,168 51

STATEMENT OF Expenditure and Receipts on account of Harbour Police, Montreal, and Water Police, Quebec, etc.—Continued.

		\$	cts.	\$	cts.
	Brought forward.	20,168	51		
	QUEBEC—Concluded.				
J. Cunningham.....	Making shirts, \$31.50; gratings, painting and re- pairing boiler and boats, \$467.14.....	498	64		
Alley & Moffatt.....	Medical services	2	00		
T. Berrigan.....	Conveyance of seamen and prisoners, \$207.00; clearing snow, \$80 00.....	287	00		
G. R. Renfrew & Co.....	Hats, caps and crowns.....	125	50		
S. J. Shaw & Co.....	Hardware, rubber joints, paint, glass, &c.....	243	27		
J. H. Chaloner.....	Lumber.....	49	21		
S. Bédard.....	Tinware.....	19	00		
Fisher & Blouin.....	Leather belts, &c.....	15	60		
P. Whalen.....	Repairing and cleaning 45 suits of serge, at 50c.....	22	50		
F. T. Thomas.....	Glassware.....	1	75		
Mrs. Doyle.....	Repairing and scouring 45 suits of serge, at 50c.....	22	50		
O. L. Richardson.....	Leather.....	8	07		
Quebec Corporation.....	Water taxes.....	9	60		
C. Prendergast.....	Paint.....	22	50		
A. Morgan & Co.....	Two crowns for Coxswain.....	3	00		
John J. Foote.....	12 months subscription to <i>Morning Chronicle</i>	6	00		
J. McTaggart.....	Brass and piping repairs.....	52	25		
E. H. Cherrier.....	Directory.....	3	00		
Wm. Crawford & Sons.....	Coal.....	32	50		
P. Poulin.....	Firewood.....	43	50		
J. Hamel et Frères.....	Clothing.....	488	96		
Chinic, Beaudet & Co.....	Hardware.....	33	79		
Foley & Co.....	Clothing.....	458	00		
J. Giblin & Co.....	Coal.....	178	50		
B. Leonard.....	Painting.....	4	75		
B. Trudel.....	Paid for 46 pairs of boots, at \$3.00.....	138	00		
do.....	do telegrams, cartages, waggon hire and ex- penses, bringing up steamer from New Liver- pool.....	35	86		
do.....	Allowance for uniform.....	50	00		
				23,023	76
	MONTREAL.				
H. S. A. Ormond.....	12 months salary as Inspector of Police.. \$1,109 15				
Receiver-General.....	do superannuation tax on above.. 11 65				
		1,120	80		
George Murph.....	do as Chief of Police, 365 days, at \$3.....	1,095	00		
H. S. A. Ormond.....	Paid for own uniform, \$75; Chief's, \$40.....	115	00		
do.....	do meals for prisoners, cartages, postages, telegrams, &c.....	166	14		
W. Drysdale & Co.....	Postage stamps, \$26.75; stationery, \$3.....	29	75		
R. & W. Warminton.....	Tin for oatmeal, and plumber's repairs.....	4	50		
J. Eveleigh.....	Ammunition bag.....	4	50		
H. S. Breakell.....	Insect destroyer.....	1	50		
McGibbon & Baird.....	Oatmeal, soap and candles.....	5	75		
John Fox.....	Straw for ticks, and cartage.....	6	20		
E. Chanteloup.....	Grating windows, screens, buttons, &c.....	113	01		
Jas. Brown & Bro.....	Hardware.....	40	61		
Lovell Printing Co.....	Directories.....	15	00		
J. M. O'Laughlin.....	Stationery, binding, stamps, cl arts, &c.....	85	68		
G. & J. Esplin.....	Boards for station.....	10	14		
Montreal Gas Co.....	Gas.....	72	25		
L. H. Henault.....	Ice.....	6	50		
Jane McDonald.....	Washing blankets, \$2; cleaning station, \$11.....	13	00		
Edward Macarthy.....	Grapling irons.....	3	75		
P. S. Ross & Bro.....	Rope for grapling irons, \$6.10; lamp, \$4.50.....	10	60		
Robt. Irwin.....	Waist belts and leather holsters.....	17	50		
Thos. Bonville.....	Repairing station, \$5; making table, \$2.....	7	00		
Lorge & Co.....	do caps.....	2	25		
Militia Store Office.....	Box Snider ball ammunition.....	10	00		
	Carried forward.....	2,956	43		

STATEMENT of Expenditure and Receipts on account of Harbour Police,
Montreal, and Water Police, Quebec, etc—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	2,956 43	.....
MONTREAL—Concluded.			
Ramsay, Drake & Dodds	Paint and oil.....	3 49	
Larivière & Dubé.	30 batons, painting and varnishing.....	12 00	
Wm. Farquharson	Winter clothing.....	244 80	
Gnødegger & Son	Fur caps.....	125 88	
M. Bergin	Repairing coats, making and trimming suits.....	34 00	
John Parslow	Journal.....	0 60	
Thos. Musson	2 mats, \$4; cretonne covering, \$3.41.....	7 41	
James Sutherland	Stationery.....	4 65	
T. & R. White	Printing, \$6; subscription to Montreal Gazette, \$6; advertising for tender, Montreal Gazette, \$6.40	18 40	
Jos. Thibeault	Stove, pipes, repairs, varnishing, &c.....	19 02	
Montreal Post Office	Rent of box.....	3 00	
J. P. Kearney	Bed and bedding for Inspector, \$16; desk, \$6.....	22 00	
George Hart	3 ton coal.....	9 00	
Jos. Spicer	Kindling wood, oil and cartage.....	4 46	
Jos. Loiselle	Stove.....	3 00	
C. Garth & Co	Gas fittings for station.....	15 00	
Montreal Herald Co.	12 months subscription.....	6 90	
D. Bentley & Co.	Binding folio and repairing old one.....	11 25	
G. S. Heritage	Lettering sign notice.....	1 50	
N. Lefebvre	Cleaning clock.....	1 00	
J. Nelson	Sketch and plan of station.....	5 00	
Sergeant Donoghue	Gratuity on account of illness and faithful service.....	50 00	
H. D. Whitney	15 months rent of station.....	625 00	
T. J. Claxton & Co.	Blue serge, linings, stocks, &c.....	229 02	
Montreal Star	Advertising for tenders, clothing.....	5 00	
do Post	do do.....	8 66	
C. B. Lanctot	18 yards of gold cord for Inspectors' uniforms, 30cts	5 40	
W. H. Hope	Picture frame.....	1 50	
G. Murphy	Paid for bunting, cab hire, elastic bands, &c.....	32 87	
New City Gas Co., Montreal	3 months account.....	11 65	
Crown Office	Reference book.....	3 00	
New York Maritime Register	6 months pay.....	7 50	
Young & McGauvren	Boots for men.....	145 50	
O'Brien & Co.	Doeskin pants, \$199.50; Cassimere pants, \$44; boots, \$72; silver cord, \$16.65.....	332 15	
J. C. Thompson & Co.	Hats.....	27 90	
H. S. A. Ormond	Pay-list of men from 1st July, 1878, to 30th June, 1879.....	9,307 00	
do	Pay-list of men for good conduct.....	325 51	
		14,625 55	
	Balance in hand of Agent.....	49 55	
			14,675 10
	LESS—Amount paid by Public Works Department for guarding flour sheds, Lachine Canal.....		1,212 36
			13,462 74
	Total expenditure—Quebec.....	23,023 76	
	do Montreal.....	13,462 74	
			36,486 50
	Receipts at Port of Quebec.....	15,273 51	
	do Montreal.....	6,191 46	
			21,464 97
	Excess of Expenditure over Receipts.....		15,021 53

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 16

To the twelfth Annual Report of the Department of Marine and Fisheries, being Report of the Marine and Immigrant Hospital at Quebec, for the fiscal year ended 30th June, 1879.

To the Honorable
The Minister of Marine and Fisheries,
Ottawa.

SIR,—The Trustees of the Marine and Immigrant Hospital at Quebec have the honor of submitting their report for the fiscal year 1878-79, as well as the report of the Resident Physician, on the admissions, discharges and deaths that have occurred in the Hospital during the same period of time.

A detailed statement of the expenses incurred for the maintenance of the hospital accompanies this report.

By the report of the Resident Physician it appears that 886 patients were treated at the hospital during the course of the year, and the movements of patients have been as follows:—

Remaining in hospital on 30th June, 1878.....	47
Admitted during the year.....	839
	886
Total.....	886
Patients discharged.....	735
Died in hospital.....	58
Patients remaining on 30th June, 1879.....	93
	886
Total.....	886

If from the number of deaths are deducted 8 deaths that occurred within the three days following the patients' admission to the hospital, we have an average of 5.6 per cent, a result highly in favor of the salubrity of the Hospital.

The total number of days' attendance in Hospital was 22,093 days, and the average 25. This number will not seem very large if you take into account the great number of accidents occurring during the season of navigation whose treatment and recovery generally take a long time, and moreover it being almost impossible in a great number of cases to discharge these patients before they are fully recovered.

The Trustees were compelled during the course of the year to have carpentry and plumbing work done for a considerable amount of money. The necessity for these repairs had been felt for a long time previous and the state of things existing compromised the salubrity and security of the hospital. For instance, several of the lead tanks getting their supply of water from the Aqueduct, and made to contain twenty-four hours supply of water, were in a very leaky condition,—the water in its escape had damaged the ceilings, rotting the beams, and the flooring was in risk of swaying down and causing serious accidents. The Trustees have had the tanks replaced by wrought iron ones, that are far lighter; and they took the opportunity offering to have them of a larger capacity than the former ones. The water closets, especially those of the old wing, have for several years past been a constant source

of expense and trouble—notwithstanding the efforts made to have them properly heated, every winter a number of accidents occurred caused by the frost. The numerous repairs this had occasioned had so weakened the pipes that they had to be renewed, and, when this work had once been begun, the Trustees found that the damage was far greater than they had anticipated. As to the carpentry work it was naturally subordinate to the nature and extent of the plumbing work already mentioned, and to the gravity of the damage caused by the water.

By comparing the sum expended in 1878-79 for the Carpenters and Plumbers' work, viz:—

Carpenters' work.....	\$965 65
Plumbers' do	970 11
	<u>\$1,935 76</u>

with that spent in 1877-78 for the same repairs:—

Carpenters' work.....	\$344 84
Plumbers' do	455 20
	<u>\$800 04</u>

we have a surplus difference for 1878-79 of \$1,135.72.

If the expenditure for repairs had not exceeded the ordinary average the Trustees would have reduced the general expenditure as compared with last year by a considerable sum.

In conclusion, the Trustees wish to remark, as they have already had the honor to mention in previous reports, the Hospital, having been constructed quite a number of years ago, the structure is necessarily in want of numerous and constant repairs.

All of which is respectfully submitted.

(Signed)

P. WELLS, M.D.,

Secretary.

Marine Hospital,
Quebec, 20th November, 1879.

APPENDIX No. 17

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of the Marine and Immigrant Hospital, Quebec, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
J. A. Sewell, M.D.....	12 months salary as Chairman of Commissioners ...	400	00		
O. Robitaille, M.D.....	do Commissioner.....	200	00		
P. Wells, M.D.....	do Secretary-Treasurer.....	600	00		
J. E. Laundry, M.D.....	9 do Visiting Physician ..	300	00		
A. Rowand, M.D.....	9 do do ..	300	00		
C. Lemieux, M.D.....	9 do do ..	300	00		
L. Catellier, M.D.....	12 do Resident Physician.....	799	92		
S. Mossman.....	12 do Matron ..	300	00		
Pay Lists.....	For Watchmen, Nurses, Housemaids, Cooks and other servants ..	2,183	94		
S. Mossman.....	Vegetables, fish, butter and sundry disbursements.	1,023	18		
Rev. J. P. Sexton.....	Allowance as Chaplain, 12 months.....	144	00		
Rev. J. S. Sykes.....	do do 3 do ..	36	00		
Rev. M. M. Fothergill ..	do do 9 do ..	108	00		
G. T. Cary ..	Advertising in <i>Daily Mercury</i> for tenders for provisions ..		11 20		
W. Brunet ..	Drugs ..	298	33		
L. Lessard.....	238 cords firewood, and carting and piling..	871	21		
O. Gravel.....	Cutting do ..	136	80		
Quebec Gas Co.....	Gas ..	731	44		
Imperial Fire Ins. Co.....	Premium on \$12,000 from 2nd July, 1878, to 2nd July, 1879.....	100	44		
Royal Insurance Co.....	12 months premium on \$8,000—\$50, and \$6,000—\$60	110	00		
do Canadian Co.....	do do \$10,000.....	62	50		
Ryan & Keraghan	Plumbers' work ..	357	71		
S. Marcotte.....	Printing reports, &c.	13	00		
J. Drolet	Washing, \$771.32; straw, \$23.02 ..	794	34		
Theo. Hudon.....	Cottons, fannel, sheeting, striped linen, &c.....	611	56		
P. Labrie.....	Joiners' work ..	496	14		
N. Picard & Son.....	Iron repairs, piping, tinsmiths' and plumbers' materials and repairs.....	885	95		
Jas. McCone.....	Groceries.....	2,002	72		
F. Laflamme.....	Bread ..	691	54		
Jas. McCorkell	do ..	175	57		
Chas. Poston.....	Goals ..	4	57		
J. E. Burke.....	Drugs ..	53	95		
Thos. Delany.....	Meat and pork ..	2,219	05		
M. Brophy.....	Milk ..	1,340	20		
Corporation of Quebec ..	Water ..	600	00		
Dinning & McNaughton.	Coals ..	222	55		
F. Sullivan.....	Tanks ..	104	00		
T. Routier.....	Labour on repairs.....	8	05		
Jno. Masson & Co.....	Drugs ..	28	40		
Rev. J. P. Sexton.....	Interments ..	36	00		
T. Corneau	Masons' work.....	12	85		
Thos. Norris.....	Crocery ..	62	99		
T. B. Shorry	Deodorising powders.....	30	00		
Thos. Andrews.....	Gasfitters' work, \$27.61; hardware, \$96.10 ..	123	71		
L. Gagnon.....	Ice ..	28	00		
A. Laberge.....	Joiners' work.....	469	55		
J. P. Dery	Stationery.....	10	80		
Geo. Cook	Smiths' work.....	125	45		
A. Coté & Co.....	Advertising.....	11	60		
J. K. Boswell	Bottled ale ..	29	10		
G. Lepine	Funeral expenses (29).....	116	00		
A. Mulholland	Plumbers' work ..	109	50		
	Amount refunded Receiver-General.....			20,791	77
					8 23
	Total			20,800	00

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 18

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Marine Hospitals, Sick
and Disabled Seamen, and Shipwrecked and Distressed Seamen, for the
Fiscal Year ended 30th June, 1879.

PROVINCE OF ONTARIO.

ST. CATHARINE'S HOSPITAL.		\$	cts.	\$	cts.
Treasurer of Hospital.....	Annual Grant for support of sick seamen			500	00
KINGSTON HOSPITAL.					
J. E. Clarke, Secretary....	Annual Grant for support of sick seamen			50	00
				1,000	00

PROVINCE OF QUEBEC.

MONTREAL GENERAL HOSPITAL.					
Thos. Davidson, Treasurer	Maintenance of sick seamen for season ended 30th November, 1878, 1,943 days at 90c			1,748	70
SICK AND DISABLED SEAMEN.					
F. Legallais	Boarding and lodging sick seamen, New Carlisle...	33	40		
Dr. G. O. M. Fiset	Professional attendance, Gaspé.....	130	00		
Dr. J. W. Pelletier.....	do Matane, \$31; Rimouski, \$26.75.	57	75		
E. O. Roy	Boarding sick seamen, Matane.....	12	00		
Dr. J. B. R. Fiset.....	Professional attendance, Rimouski.....	19	00		
Dr. H. Pidgeon.....	do and medicine, Percé.....	155	00		
M. A. Letouzel.....	Attendance on sick seamen, Gaspé.....	47	25		
J. J. Fox.....	Paid for do do Magdalen Islands.....	15	00		
Dr. L. Robitaille.....	Professional attendance, New Carlisle	40	90		
J. M. Cassals	Attendance on sick seamen, ex "Leontine," Three Rivers	5	25		
E. Gervais.....	do do ex "Alpha".....	1	50		
J. E. Badeaux.....	do do ex "Scotia".....	4	00		
Dr. W. A. R. Gilmour.....	Professional attendance, etc., Percé.....	24	25		
Mrs. O. L. Cormick.....	Boarding, etc., sick seamen do	90	00		
Walter Cormick.....	Nursing and watching do do	57	00		
Valpy & LeBas.....	Clothing and passage do Percé to Quebec.....	28	57		
Dr. W. Wakeham.....	Professional attendance, Percé and Gaspé.....	34	00		
Dr. R. G. Blair	do Chicoutimi	15	75		
Dr. L. E. Beauchamp	do do	2	00		
Dr. A. A. Laferriere.....	do New Carlisle	13	23		
Dr. S. Pouliot.....	do Chicoutimi.....	27	50		
Jno Clement.....	Passage, sick seamen, Paspebiac to Quebec.....	10	00		
Harvy Oliver.....	Boarding, etc., sick seamen, ex "C. Bell".....	25	25		
Intercolonial Railway Co	Passage, 2 do Rimouski to Quebec.....	5	50		
E. Briard.....	Expenses do at Paspebiac.....	31	40		
				1,007	52
	Carried forward.....			2,756	22

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF QUEBEC—Continued.

		\$	cts.	\$	cts.
SHIPWRECKED AND DISTRESSED SEAMEN.					
Quebec & Gulf Ports S.S. Co	Passage, 42 wrecked seamen, ex steamer "Lake Megantic"	252	00		
Fark "Romeo"	Passage, 2 wrecked seamen ex "Moero"	30	34		
J. U. Gregory	To pay passage, 4 do Newfoundland to Quebec.	50	00		
					332 34
BOARD OF TRADE, LONDON.					
Accountant, Board of Trade	To re-imburse expenses of wrecked crew, "D. M. Dickie"	27	26		
do	do do "W. Ellis, Charlotte," and "W. E. Duryea."	230	06		
do	do do "Chillianwallah," "Belle," "Sea Lion."	229	73		
do	do do "Resoluda," "J. W. Dean," "Ullalume."	231	84		
do	do do "Pomona," "J. H. Gillespie," "Pathfinder."	356	87		
do	do do "Florence," "Blanche," "W. J. Lewis," etc.	600	65		
do	do do "Thomas Albert."	238	49		
do	do do "Addie," "Nellie," and "N. W. White."	43	29		
do	do do "Cambrian," "Ada Fulton," "Lyra," "Saladin," "Moss Glen," "Ancona," etc.	1,022	89		
					2,981 08

PROVINCE OF NEW BRUNSWICK.

SICK AND DISABLED SEAMEN.					
<i>General Account.</i>					
Small & Hatheway	Passage of sick seamen per Str. "Empress"	13	00		
O. Blais	do do to Montreal	10	00		
do	do do ex "Bell Barbour" from St. John to Hopewell	18	13		
H. W. Chisholm	Passage of seamen, St. John to Baltimore	15	40		
Samuel Wilson	Boarding 5 seamen, "Bell Barbour," 23 meals and lodgings	6	55		
Dr. W. S. Harding	Medical attendance at Musquash	4	00		
					67 10
<i>Buctouche.</i>					
F. E. W. Pouliot, M.D.	Professional attendance and medicine	28	00		
John Hutchinson	Boarding seaman, Wm. Melton	4	50		
Thos. Roberts	do do G. Ring, 8 weeks, at \$2.50	20	00		
do	do do Joseph Morine, 15 days	5	91		
					58 41
	Carried forward				125 51

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

		\$ cts.	\$ cts.
	Brought forward		125 61
SICK AND DISABLED SEAMEN—Continued.			
<i>Bay Verte.</i>			
Chas. A. Black, M.D.....	Professional attendance on D. Murphy and A. Newman	23 60	
W. Prescott	Paid for boarding and conveying do do	13 00	36 60
<i>Caraquet.</i>			
J. G. C. Blackhall	Paid for boarding seamen ex "Brelade"	14 00	
L. Fossard, M.D.....	Professional attendance do do	17 50	31 50
<i>Dalhousie.</i>			
Wm. Desbrow, M.D.....	Professional attendance and medicine.....		33 50
<i>Hillsborough.</i>			
W. J. Lewis, M.D.....	Professional attendance and medicine.....		6 00
<i>Shediac.</i>			
J. A. Leger, M.D... ..	Professional attendance and medicine for 1878.....		319 91
			553 02
MARINE HOSPITALS.			
<i>Bathurst.</i>			
Mrs. Miller.....	Nursing and attendance, 280 days, at 50c.....	140 00	
do	12 months allowance for fuel, to 31st Dec., 1878.....	25 00	
do	Paid for coal, oil and washing	4 10	
G. M. Duncan, M.D	12 months professional attendance, to 31st Dec., '78	40 00	
do	Paid passage of discharged patient to Halifax.....	5 00	
Ferguson, Rankin & Co..	Blankets, cotton, oil, holland, wine, &c.....	20 58	
Wm. Dunn	Cotton, dishes, shoes and socks.....	8 48	
Jno. Ferguson and H. W. Baldwin.....	10 per cent. commission on disbursements.....	24 30	267 46
<i>Kent Hospital, St. John, N.B.</i>			
L. B. Botsford, M.D	Salary as Physician, from 1st July, 1878, to 1st July, 1879	560 00	
W. S. Harding, M.D.....	Salary as Inspecting Physician to Pest House, from 1st July, 1878, to 1st July, 1879.....	100 00	
Chas. Ward	Salary as Secretary, from 1st July, '78, to 1st July, '79	400 00	
Rev. Wm. Armstrong.....	do Chaplain do do	100 00	
Milton Barnes.....	12 months wages as Steward do do	300 00	
do	do allowance for board	73 00	
Mrs. Barnes	do wages as Matron, from 1st July, 1878, to 1st July, 1879.....	80 00	
do	do allowance for board	73 00	
	Carried forward	1,686 00	267 46

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

		\$ cts.	\$ cts.
	Brought forward.	1,686 00	267 46
	MARINE HOSPITAL—Continued.		
	<i>Kent Hospital, St. John—Continued.</i>		
Milton Barnes	Paid 12 months wages to Cook	48 00	
do	Beef, bread, barley, potatoes and sugar	31 25	
		1,765 25	
	Less provisions consumed by Steward	31 63	
		1,733 62	
D. Tennant	9 months wages as Nurse at Kent Hospital	90 00	
do	do allowance for board	141 00	
J. Cain	3 do wages as Nurse at Kent Hospital	30 00	
do	do allowance for board	48 00	
T. Nickerson	11 months and 12 days wages as Nurse	115 04	
do	do do allowance for board	182 96	
Bryden Bros.	Bread account	119 27	
M. Ryan	Butcher's do	188 18	
Jardine & Co.	Grocery do	241 89	
M. Barnes	Milk and potatoes	178 90	
St. John Gas Co.	Gas and meter rent	61 88	
St. John Water Commissioners	12 months supply, \$36; assessment, \$14; sewer permit, \$10	60 00	
Jane Marshall	Washing 120 doz. and 4, at 60c	72 20	
John Chaloner	Drugs and medicines	95 98	
J. Carson	Labour at drain and garden	11 00	
Wm. Elder	Advertising tenders for supplies	11 00	
Ellis, Robertson & Co.	do do	12 50	
Willis & Mott	do do	10 00	
T. W. Anglin	do do	19 33	
H. Maxwell & Sons	Lumber	38 51	
A. W. T. Betts	Glass and glazing	3 60	
F. Beverly	Hardware, glass, locks and putty	35 31	
Kerr & Thorne	Nails and screws	1 73	
Geo. P. De Forest	Paint and oil	36 53	
J. Palmer	Painting	29 00	
T. McAvity & Sons	Lead pipes	2 20	
J. H. T. Doherty	Carpenter work, repairs on Hospital	53 10	
Bowes, Campbell & Ellis	Tin ware, castings and stove pipe	33 58	
J. Jones	One ton of straw	12 00	
J. Gault	do	10 10	
Estey, Alwood & Co.	Bed-pan and air-cushion	5 90	
H. R. Smith	Books for library	20 00	
J. Fleming	Plumbing and gas-fitting	7 82	
St. John Ice Co.	Two months ice	3 00	
J. Anderson	Repairing earth closet	2 00	
D. W. Clark	Contract repairing stone walls and painting west and north sides of Hospital	115 50	
J. Burke	Hearse hire	16 50	
St. John Rural Cemetery	Burial fees and clearing ground	7 60	
D. Rogan	Brick and labour at wall, and whitewashing	35 30	
J. R. Cameron	Oil and wick	3 13	
J. Crawford	7 cords wood, at \$5—\$35; cartage, \$7; housing, \$2 80	44 80	
do	2 cords wood, at \$5—\$10; cartage and housing, \$2	12 00	
R. P. McGivern	Coal	221 65	
Barnes & Co.	Printing blanks, blank book and stationery	53 15	
H. Robertson	Chamber ware and drain-pipe	37 60	
McKenzie Bros.	Cotton and towels	18 83	
	Carried forward	4,286 19	267 46

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

		\$ cts.	\$ cts.
Brought forward.....		4,286 19	267 46
MARINE HOSPITALS—Continued.			
<i>Kent Hospital, St. John—Continued.</i>			
J. Donohoe	Coach hire	4 60	
M. Barnes	Eggs	2 56	
J. T. Magee	Chimney-top.....	5 80	
Geo. Nixon	Glass and putty.....	3 09	
W. Smith	Work at sewer, \$8; night watching, \$2.....	10 00	
W. A. Magee.....	Galvanized guttering.....	14 19	
A. B. L. Street.....	Bourbon whiskey.....	5 16	
North British & Mercantile Insurance Co.....	12 months premium on \$3,200, to March, 1880.....	48 00	
J. Henderson.....	Manure	12 50	
J. Hamilton	Making and fitting flag-pole	3 50	
A. O. Skinner.....	Carpet	57 61	
J. Campbell	Contract, fitting gas-pipe and plumbing	35 00	
A. Connolly.....	Repairing lock and bell.....	1 75	
H. D. Ostermore.....	Mattresses.....	39 60	
			4,528 94
<i>Miramichi.</i>			
Wm. Masson	Cotton, soap, brooms, glass, blinds, &c.....	40 56	
John Thompson, M.D.....	12 months salary as Medical Superintendent.....	400 00	
do	Medicine	9 00	
John Gallagher.....	Wages as Keeper, 13 months and 1 day, at \$9.80	127 75	
do	Boarding patients, 1,570 days, at 40c.....	628 00	
do	Allowance for fuel	60 00	
do	Paid for digging grave, straw, &c.....	11 00	
Lawrence Doyle	Coffin and labour	14 60	
H. Reeves	Whitewashing and plastering	30 00	
James Mitchell.....	On account repairs to hospital.....	100 00	
T. McAvery & Sons.....	4 bbls. cement, at \$5, and cartage 25c.....	20 25	
E. Lawton	Drugs and medicine.....	99 01	
Howard Thompson	Labour, painting and building.....	67 50	
			1,607 07
<i>Richibucto.</i>			
T. B. Barker & Sons.....	Drugs and medicine.....	44 98	
J. W. Doherty, M.D.....	Alcohol, and freight on medicine.....	4 37	
do	21 months salary as Medical Superintendent, from 1st Oct., 1877, to 30th June, 1879.....	225 00	
Bimon Graham.....	Paid Matron, boarding seamen, 23 weeks and 2 days, at \$3 per week	81 85	
do	Paid Matron 12 months wages, at \$6	72 00	
do	Fuel, towelling, repairs to kitchen, lamps, &c.....	96 03	
do	5 per cent. commission on disbursements	12 62	
			539 85
<i>St. Andrews.</i>			
S. T. Gove, M.D.....	12 months salary as Medical Superintendent.....	200 00	
do	Passage of discharged seamen, freight, &c	7 33	
Charlotte Coates.....	12 months salary as Matron	208 00	
do	Boarding seamen 77 weeks and 4 days, at \$1.50.....	116 34	
do	Oil, window blinds, cutting and piling wood, &c.....	12 72	
John Brownrigg	Wood and truckage	13 46	
Robert Ross.....	Coal	63 64	
Beckerton & Brundage...	Wood and truckage.....	5 10	
Carried forward.....		626 59	6,943 32

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	626 59	6,943 32
MARINE HOSPITALS—Continued.			
<i>St. Andrews—Continued.</i>			
J. Harris & Co.....	Grate and freight.....	1 30	
B. Shannou	1 cord wood.....	3 50	
O. Conoio.....	Repairs to roof, zinc, nails, &c.....	13 40	
Hutchings & Co.....	2 iron bedsteads.....	14 00	
Alex. Donald.....	1 cord wood and truckage.....	3 90	
Thomas Rogers.....	Trees.....	3 00	
S. T. Gove, M.D.....	Error in account to 30th June, 1879.....	2 00	
			667 69
<i>Sackville.</i>			
Alex. Fleming, M.D.....	12 months professional attendance and medicine...	312 50	
do	Conveying seamen to hospital, truss, &c.....	6 45	
Isaac Crocker.....	12 months salary as Keeper.....	225 00	
do	Boarding seamen, 40 weeks and $\frac{1}{2}$ day.....	160 25	
			704 20
	Total		8,315 21

RECAPITULATION.

Sick and Disabled Seamen.....	\$ 553 02
Marine Hospitals.....	8,315 21
Total.....	\$ 8,868 23

SHIPWRECKED AND DISTRESSED SEAMEN.

O. Blais	Passage of 4 seamen, ex schooner "Ocean Lily," to New Glasgow.....	15 24
Wm. Wilson.....	Boarding 4 seamen, 5 meals each.....	8 50
Wm. Benson	Passage of seamen, ex "Walton," to St. John.....	22 00
T. S. Lindsay.....	do 4 seamen, ex schooner "Ocean Lily," from New Glasgow to Cape Canso.....	32 00
H. W. Chisholm	Passage of 4 seamen, ex "Belle Barbour," from Eastport to St. John.....	7 50
O. Blais	Passage of wrecked seamen, ex schooner "Lyra".....	14 32
W. C. Calhoun.....	Boarding 4 do do do.....	5 00
Small & Hatheway.....	Passage of 4 seamen, ex "Day Star," to Kentville.....	19 00
P. H. Nugent.....	do do from Quaco to St. John.....	16 00
John Pattinson	Passage of 4 seamen, ex "Day Star".....	6 00
Samuel Wilson.....	do do do.....	3 40
E. Larkin.....	Passage of seamen from Briar Island to St. John.....	2 16
John McAnulty.....	do do Musquash do.....	2 00
O. Blais	do do ex schooner "Rio," from St. John to Hillsborough.....	6 00
John Daley.....	Boarding 5 seamen, ex steamer "Rio".....	6 25
Small & Hatheway.....	Passage of seamen, ex schooner "Rio," from Digby to St. John.....	10 00
O. Blais	Passage of seamen, ex schooner "Ada Fulton," from St. John to Halifax.....	4 00
	Carried forward.....	179 37

STATEMENT of Expenditure on account of Marine Hospitles, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

		\$ cts.	\$ cts.
	Brought forward.....	179 37	.....
SHIPWRECKED AND DISTRESSED SEAMEN—Concluded.			
Small & Hatheway.....	Passage of seamen, ex schooner "Albert," to Digby	7 50	
D. Bridges.....	Boarding 5 seamen, do	12 10	
John Richards.....	do wrecked seamen 1 day	0 75	
Small & Hatheway.....	Passage of seamen to Yarmouth	6 50	
Albert Day.....	do from ship "Vanderman," from Boston to St. John	3 96	
H. W. Chisholm.....	Passage of seamen from St. John to New York	13 00	
C. McLaughlin & Son.....	Subsistence and conveying 22 seamen to St. John	66 24	
John Thompson.....	Passage of seamen to St. John	14 00	
James Doyle.....	Clothing for 2 seamen	25 10	
Oliver Emery.....	Passage of 5 seamen, from St. Michael to St. John, ex ship "Home"	44 16	
H. W. Frecker.....	Clothing for 2 seamen	32 30	
Jacob Small.....	Passage of 15 seamen, ex "Turkish Empire"	15 00	
E. Larkin.....	do seamen to Yarmouth	1 20	
H. W. Chisholm.....	do do New York	8 50	
			429 68

PROVINCE OF NOVA SCOTIA.

	MARINE HOSPITALS, AND SICK AND DISABLED SEAMEN.		
Provincial and City Hospital.....	Board of seamen during fiscal year ending 30th June, 1879 - 578 weeks, 63 days, at \$5	2,894 72	
Dr. R. S. Black.....	22 certificates to sick seamen for admission to Hospital, at \$2	44 00	
Dr. W. N. Wickwire.....	15 do do do	30 00	
Dr. A. H. Woodiil.....	40 do do do	80 00	
Dr. E. Farrell.....	25 do do do	50 00	
Dr. J. F. Black.....	14 do do do	28 00	
Dr. A. Lawson.....	24 do do do	48 00	
Dr. E. Jennings.....	20 do do do	40 00	
Saml. Fleming.....	Board sick seamen	6 10	
Julia Fleming.....	do	13 20	
			3,234 02
Apple River.			
Dr. Sayre.....	Attendance and medicine	11 30	
J. W. Ward.....	Board, 4 weeks at \$3	12 00	
do	Conveyance of seamen	10 00	
do	Travelling expenses	3 00	
			36 30
Arichot.			
Aug. McNeil.....	Board, 3 weeks, at \$4	12 00	
Mary Boudrat.....	do 2 do	8 00	
Dr. H. C. Fixott.....	Attendance and medicine	67 25	
M. Power.....	Board, 4 weeks, at \$4	16 00	
Dr. C. C. L'Esperance.....	Attendance and medicine	201 25	
L. LeVashe.....	Board, 8 weeks, at \$4	32 00	
M. Langlois.....	do 2 do	8 00	
M. Sampson.....	do 2 do	8 00	
B. Pettipas.....	do 5 weeks and 3 days, at \$4	22 00	
			374 50
	Carried forward.....		3,270 32

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	374 50	3,270 32
MARINE HOSPITALS, &c.—Continued.			
<i>Arichat—Concluded.</i>			
D. J. F. McLaughlin.....	Attendance and medicine.....	126 10	
W. Hutchings.....	Board, 8 weeks and 3 days, at \$4.....	34 00	
J. Sutherland.....	Conveyance.....	5 00	
J. Tyrrell.....	Board, 3 weeks, at \$4.....	12 00	
do.....	Conveyance.....	1 00	
Thos. Burge.....	Board, 17 weeks, at \$3.....	51 00	
John Boutin.....	do 6 do and 2 days, at \$4.....	25 14	
H. DeRoche.....	do 1 do 5 do.....	6 86	
			635 60
<i>Annapolis.</i>			
Dr. Robinson.....	Attendance and medicine.....	21 00	
Steamer "Scud".....	Conveyance.....	2 00	
P. Killam.....	Board and attendance, 10 days.....	10 00	
A. M. King.....	do do 1½ weeks.....	4 20	
Wm. Anderson.....	do do 4 days.....	1 75	
			38 95
<i>Bridgewater.</i>			
Dr. Calder.....	Attendance and medicine.....	8 35	
Dr. Croucher.....	do do.....	32 25	
			40 60
<i>Barrington.</i>			
Dr. Schrage.....	Attendance and medicine.....	1 50	
Dr. W. R. French.....	do do.....	13 00	
			14 50
<i>Bridgetown.</i>			
Dr. DeBlois.....	Attendance and medicine.....	5 00	
Dr. Dennison.....	do do.....	3 75	
			8 75
<i>Bear River.</i>			
Dr. Maxwell.....	Attendance and medicine.....	64 50	
Alice Smith.....	Board, 8 weeks, at \$4.00.....	32 00	
J. Viditoe.....	do 4 do 4.00.....	16 00	
John Smith.....	do 1 week.....	2 50	
			115 00
<i>Baddeck.</i>			
Dr. McKeen.....	Attendance and medicine.....		6 50
	Carried forward.....		4,130 22

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$	cts.	\$	cts.
Brought forward.....				4,130	22
MARINE HOSPITALS, &c.—Continued.					
<i>Cornwallis.</i>					
Dr. Burgess.....	Attendance and medicine	27	40		
Judson Kay.....	Board and washing, 4 weeks, at 3.50	14	00		
Dr. Woodworth.....	Attendance and medicine	32	25		
Dr. Borden.....	do do	2	25		
M. E. Gould.....	Board, 26 weeks, at \$2.00	52	00		
Dr. C. O. Hamilton	Attendance and medicine	13	50		
T. R. Pineo.....	Board, 3 weeks, at \$2.50	7	50		
J. Blinkhorn.....	do 3 do 2.50	7	50		
Lydia Loomer	do 12 do 2.00	24	00		
				180	40
<i>Canso.</i>					
Dr. Eustace.....	Attendance and medicine.....	46	30		
John Munroe.....	Board, 3 weeks.....	13	00		
do	do 2 do at \$4.00	8	00		
Mrs. W. Fanning.....	do 3 do 5.00	15	00		
do	do 2 weeks and 4 days, at \$3.50.....	9	50		
J. Jeffery.....	do 3 do	12	00		
				103	80
<i>Cow Bay, C.B.</i>					
Dr. L. Johnston.....	Attendance and medicine.....	154	50		
Joseph Holloway.....	Board, 12 days, at 75cts.....	9	00		
				163	50
<i>Cheverie.</i>					
Dr. F. N. Burgess.....	Attendance and medicine.....	49	25		
Mrs. E. Boyd.....	Board, 12 weeks, at \$3.50	42	00		
Wm. Harvey.....	do 2½ do 3.00	7	50		
Dr. A. Sandford	Attendance and medicine	5	25		
				104	00
<i>Diyby.</i>					
Dr. Maxwell.....	Medical attendance	8	50		
S. Picton.....	Board, 2 weeks, at \$3.00.....	6	00		
Dr. Ellison.....	Attendance and medicine	9	25		
Dr. R. Stephens.....	do do	21	50		
G. Handspiker	Board, 3½ weeks.....	15	00		
Dr. Smith.....	Attendance and medicine	19	50		
E. Peters.....	Board, 6 weeks.....	12	00		
do	Extra nursing.....	3	00		
				94	75
<i>French Cross.</i>					
Emily Dodge.....	Board, 15 weeks, at \$3.00	45	00		
do	do 22 do 2.00.....	44	00		
do	Cod liver oil	7	00		
Dr. B. M. Beckwith.....	Medical attendance	3	00		
J. E. Orpen.....	Travelling expenses.....	1	40		
				100	40
Carried forward.....				4,877	07

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$	cts.	\$	cts.
Brought forward				4,877	87
MARINE HOSPITALS, &C.—Continued.					
<i>Granville.</i>					
J. Johnson.....	Board, 10 weeks, at \$10 00.....	100	00		
do	do 6 do 8.00.....	48	00		
do	do 6½ do 6.00.....	39	00		
do	Dressing materials, &c.....	5	00		
Asa. Porter.....	Services going for doctor.....	2	00		
				194	00
<i>Halifax.</i>					
Dr. James Pitts.....	Medical attendance.....	10	00		
H. W. Fancy.....	Conveyance.....	1	50		
Dr. Fitch.....	Medical attendance.....	6	00		
A. J. Buckley.....	Medicines.....	6	55		
Conlon Bros.....	Conveyance of seamen from train and vessels to hospital.....	5	25		
Dr. W. H. Weeks.....	Medical attendance.....	30	00		
A. R. Corbin.....	Medicines.....	15	61		
Fanny Butler.....	Board, 6 weeks, at \$4.00.....	24	00		
do	Nursing, 4 weeks, at \$5.00.....	20	00		
do	Extras.....	3	90		
				122	84
<i>Harbour au Bouche.</i>					
Dr. McDonald.....	Attendance and medicine.....			9	00
<i>La Have.</i>					
Dr. Barnaby.....	Attendance and medicine.....	343	00		
M. Richards.....	7½ weeks board at \$3 75.....	28	13		
Dr. M. McGregor.....	Attendance and medicine.....	30	00		
R. Smith.....	Board, 5 weeks, at \$2.50.....	12	50		
E. McQuarrie.....	do 1½ do 4 00.....	21	00		
D. W. Ikie.....	do 2 do 2 50.....	5	00		
Dr. Saunders.....	Attendance and medicine.....	110	75		
Ruth Richards.....	Board, 69 weeks, at \$2.25.....	115	25		
				705	62
<i>Lockeport.</i>					
Dr. Burne.....	Attendance and medicine.....	109	75		
Dr. Beckwith.....	do do.....	23	00		
D. McKenzie.....	Board, 67 days.....	53	37		
do	do 5 weeks and 1 day at \$2.....	10	28		
do	Nursing, 49 days at 50c.....	24	50		
do	Washing.....	6	75		
C. Johnson.....	Board, washing and attendance.....	27	40		
W. Hartley.....	Board, 5 weeks and 3 days at \$3.....	16	20		
H. Hamilton.....	do 11 do 5 do 3.....	35	14		
do	Washing.....	4	25		
				310	64
Carried forward.....				6,219	18

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
Brought forward.....			6,219 18
MARINE HOSPITALS, &C. - Continued.			
Lunenburg.			
S. Selig	Board, 2 weeks at \$3	6 00	
Dr. DesBrisay	Attendance and medicine	67 75	
Dr. G. A. Pickles.....	do	59 50	
Sarah Lessef.....	Board, 8 weeks at \$3	24 00	
Dr. C. G. Aitkins.....	Attendance and medicine.....	73 75	
James Nass.....	Conveyance.....	2 00	
W. A. Fredenburg	Board 2 weeks	6 00	
F. Wenacht.....	Conveyance	0 50	
N. Lohues.....	Board, 3 weeks at \$3.....	9 00	
Dr. S. Jacobs.....	Attendance and medicine.....	45 14	
do	Salary, June quarter, 1879.....	37 50	
Anna Crawford.....	Board, 6 weeks at \$3	18 00	
Mary Dowling.....	do 6½ do 3	19 50	
Mary Moreash.....	do 5 do 3	15 00	
Capt. G. Selig	Gratuity for injuries sustained in collision with S.S. "Alhambra."	100 00	
C. Soy	Board, 2 weeks at \$3.....	6 00	
C. Myrer	do 1 do	3 00	
M. A. Hiltz	do 6 do at \$2 50.....	15 00	
S. Jost.....	do 2 do 3.00	6 00	
			513 64
Lingan.			
Dr. Marcus Dodd.....	Medical attendance.....		28 00
Liverpool.			
Dr. H. G. Farish.....	Attendance and medicine	96 25	
S. Head	Board, 14 weeks at \$4	56 00	
Dr. J. J. Forbes.....	Attendance and medicine	85 20	
Thomas Colbert.....	Board, 10 weeks at \$4	40 00	
Annie Miller.....	do 3 do 4.....	12 00	
A. R. Burke	Conveyance.....	0 50	
Lucy Grass.....	Board, 9 weeks at \$2	18 00	
John Fells.....	do 3 do 4	12 00	
F. W. Fishwick.....	Conveyance.....	2 00	
			321 95
Little Glace Bay.			
Dr. Marcus Dodd	Attendance and medicine		4 00
Margaree.			
Dr. A. K. McLean.....	Attendance and medicine.....	98 00	
Ed. Quinn.....	Board and attendance, 17 days	13 50	
M. Webb	Travelling expenses.....	5 00	
C. Accorni	Board and attendance.....	13 00	
James Ross	Travelling expenses	20 00	
William D. Quinn.....	Board, 8 days	8 00	
J. McFarlane.....	do 3 weeks at \$3.....	9 00	
			166 50
Carried forward.....			7,253 27

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
Brought forward.....			7,253 27
MARINE HOSPITALS, &c.—Continued.			
<i>Mahone Bay.</i>			
Dr. Chas. Grey.....	Attendance and medicine.....	47 50	
W. Strum.....	Board and attendance	10 50	
Dr. G. A. Pickles.....	Attendance and medicine	161 25	
Sophia Mason.....	Board, 6 weeks.....	15 00	
			234 25
<i>Mailand.</i>			
Dr. Brown.....	Attendance and medicine.....	58 15	
Jas. Boyd.....	Attendance.....	20 00	
			78 15
<i>North Sydney, C.B.</i>			
Dr. McLarty.....	Attendance and medicine	84 50	
W. Shean.....	Board, 2 days.....	1 50	
Dr. H. B. McPherson.....	Attendance and medicine	8 00	
			94 00
<i>Pictou.</i>			
Intercolonial Railway....	Conveyance.....	9 10	
Chas. Gallant.....	Board, 5 weeks and 1 day at \$6 ..	30 72	
do	do 13 days at \$1.....	13 00	
do	do 8 weeks and 2 days at \$5	41 42	
do	do 4 do	16 00	
D. Stevenson.....	Boarding and nursing, 6 days at \$2.....	12 00	
D. M. Geldert.....	Conveyance to Hospital	4 00	
J. S. McDonald & Co.....	Groceries	10 01	
C. Wilson.....	Burial expenses	7 50	
Dr. W. E. Cooke.....	Medicines	49 40	
do	Horse and carriage hire.....	4 50	
do	Burial expenses	20 00	
do	9 months salary	300 00	
L. Landry.....	Board, 6 days at \$1	6 00	
Janet Munroe	do 3 weeks at \$5.....	15 00	
D. O'Neil.....	do 1 do and 2 days	6 43	
Dr. Kirkwood.....	Attendance and medicine	21 40	
Thos. Davies.....	Board, 14 days	7 00	
Dr. A. McMillan.....	Salary, 1½ months.....	50 00	
			623 48
<i>Parrsboro'.</i>			
Dr. W. D. McKenzie	Attendance and medicine		9 25
<i>Pugwash.</i>			
Dr. R. A. Dakin.....	Attendance and medicine		20 90
<i>Pubnico.</i>			
C. Davison.....	Conveyance of seaman to Hospital.....		2 50
Carried forward.....			8,315 80

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$	cts.	\$	cts.
	Brought forward.....			8,315	80
MARINE HOSPITALS, &c.—Continued.					
<i>Port Mulgrave.</i>					
Dr. P. Macdonald.....	Attendance and medicine	50	75		
Mrs. Power.....	Board, 1 week and 1 day	5	50		
John Ryan.....	do 3 do 4 do	17	00		
				73	25
<i>Port Caledonia.</i>					
Dr. McKay.....	Attendance and medicine	43	00		
A. McLellan.....	Boarding and nursing	51	00		
				94	00
<i>Port Hawkesbury.</i>					
Dr. H. E. Bissett.....	Attendance and medicine	165	00		
Mrs. McDonald.....	Board, 15 days.....	15	00		
	Watching, 10 nights.....	15	00		
John Stapleton.....	Wine	3	00		
Colle Beaton.....	Board and attendance, 24 days.....	24	30		
P. E. I. Navigation Co.....	Conveyance	3	90		
A. Grant.....	do	6	60		
				232	80
<i>Port Hastings.</i>					
J. McFadden.....	Board, 10 days, at \$1	10	00		
do.....	Night attendance	4	00		
Dr. J. McDonald.....	Attendance and medicine	52	00		
D. McIntosh.....	Board, 14 days, at \$1	14	00		
				80	00
<i>Port Meikway.</i>					
Dr. Farish.....	Attendance and medicine	23	00		
Mrs. Fraile.....	Board, 4 weeks, at \$3	12	00		
				35	00
<i>Ratchford's River.</i>					
Dr. D. McKenzie.....	Attendance and medicine.....	10	75		
F. F. Hatfield.....	Board, 2 weeks.....	8	00		
Dr. A. T. Clarke.....	Attendance and medicine	68	50		
D. M. Pettis.....	Board, 4 weeks, at \$3.75	15	00		
				102	25
<i>Shelburne.</i>					
W. W. Atwood.....	Conveyance.....	6	05		
Dr. Burns.....	Attendance and medicine	76	00		
R. G. Juvens.....	Clothing	14	00		
G. A. Cox.....	do	5	85		
A. Dennings.....	Board, 28 weeks.....	125	00		
Wm. Giffin.....	Conveyance	3	00		
J. P. Mack.....	Board, 1½ days.....	1	25		
E. Good.....	Clothing and conveyance.....	1	50		
				232	65
	Carried forward.....			9,165	75

STATEMENT of Expenditure on account of Marine Hospital, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

		\$ cts.	\$ cts.
Brought forward.....			9,165 75
MARINE HOSPITALS, &c.—Continued.			
<i>Sheet Harbour.</i>			
Dr. F. McMillan.....	Attendance and medicine.....	11 50	
Dr. R. Chute.....	do do	3 00	14 50
<i>Sandy Cove.</i>			
Dr. H. A. Ellison.....	Medical attendance		2 00
<i>Sydney Marine Hospital.</i>			
Saml. Muggah.....	Board of sick seamen	558 90	
do	Salary as Keeper.....	250 00	
Copeland & Co.....	Medicines and surgical instruments.....	42 55	
Milledge Oakes.....	Medicines.....	11 62	
R. I. Ingraham.....	Supplies.....	35 73	
Albert Muggah.....	Fitting stretchers.....	3 00	
Jane Muggah.....	Making pillow-slips.....	2 70	
Edw. Liscomb.....	Repairing stretchers.....	2 00	
Dr. A. D. McGillvary.....	12 months salary as Superintendent	400 00	1,306 50
<i>Thorne's Cove.</i>			
Dr. J. A. Coleman.....	Attendance and medicine.....	177 50	
Dr. G. T. Bingay.....	Attendance.....	8 00	185 50
<i>Windsor.</i>			
Dr. B. Fraser.....	Medical attendance		4 75
<i>Weymouth.</i>			
Dr. H. C. Ruggles.....	Attendance and medicine.....		7 00
<i>Wilmot.</i>			
Dr. F. W. Harding.....	Attendance and medicine.....	8 00	
Isaac Smith.....	Board, 2 weeks	8 00	16 00
<i>Yarmouth.</i>			
Robt. Weston.....	Board, 7 weeks, at \$3.50.....	24 50	
Dr. Farish.....	Attendance and medicine.....	80 60	
J. D. Archibald.....	Board for patients, 33 weeks and 1 day, at \$3.....	99 44	
do	Conveyance to Hospital	0 50	
Dr. Perrin.....	Salary, June quarter, 1879.....	25 00	230 04
GENERAL ACCOUNT.			
F. W. Fishwick.....	Conveyance of sick seamen	28 90	
R. L. Weatherbee.....	Professional services in suit of Dr. Campbell.....	15 00	43 90
Total			10,975 94

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

DISTRESSED AND SHIPWRECKED SEAMEN.		\$	cts.
<i>Subsistence and Conveyance.</i>			
Samuel Fleming	1 man ex "Monarch"	3	06
do	Crew ex "Addie Miller"	23	70
Botsford Viéts	do "Hermonides"	55	80
Gilbert Shaw	2 men ex "Robbie Burns"	11	68
do	4 do "Tycoon"	23	36
do	1 man ex "Promenader"	5	84
do	1 do "A. A. Rich"	7	30
do	3 men ex "Francis Hillyard"	6	57
Maxwell Trocks	2 do "Addie Millier"	5	84
F. W. Fishwick	Crew ex "Amelia"	34	90
do	do "N. W. White"	16	80
do	5 men to Yarmouth	15	00
do	Crew ex "Leonie"	34	50
do	1 man ex "Pandora"	13	20
do	Crew ex "Melinda Ann"	26	90
do	1 man ex "J. C. Tupper"	4	30
W. P. McElheney	3 men ex "Addie Millier"	8	76
do	1 man ex "Tyber"	3	65
do	5 men ex "Bismarck"	14	60
J. P. Crocker	Crew ex "Sarah"	28	60
F. J. Woodill	1 man ex "Mina Bell"	6	50
T. S. Bown	Crews ex "E. J. Shanks" and "Sarah Springfield"	104	30
do	Crew ex "Alpha"	189	95
do	do "S. S. Venezia"	178	05
P. S. D. Entremont	1 man ex "Ariel"	3	50
Warren Smith	do "S. Muir"	2	92
A. Cameron	Crew ex "Glad Tidings"	26	00
James Ross	do "C. L. Hammond"	50	50
D. Sargent	2 men ex "E. O. Mullin"	19	10
F. O. L. Patch	1 man ex "L. H. Cole"	7	33
J. H. Black	Crew ex "Mary Jane"	10	00
D. McDonald	do "Swallow"	17	20
A. C. Langinburg	3 men ex "Manltir"	28	95
W. A. Kenny	1 man ex "Tycoon"	7	30
do	do "Samuel Muir"	1	09
P. Taple	Crew ex "Emelio Babin"	35	65
do	1 man ex "A. P. Wheeler"	1	98
do	Crew ex "A. Carcand"	11	31
do	do "Moero"	12	83
do	1 man ex "Henrietta"	5	40
S. Cunard & Co.	4 men ex "Selina"	18	60
do	Crew ex "Emelio Babin"	39	42
C. W. Clements	1 man ex "Moero"	2	19
do	Crew ex "N. W. White"	131	40
do	1 man ex "Pronto"	0	72
do	do "Monarch"	1	86
S. O. Crowell	1 man each ex "Kate," "Equator" and "J. O. Tupper"	4	39
do	Crew ex "Comrade"	17	52
do	1 man ex "Qui Vive"	5	11
do	2 men ex "Ocean Traveller"	13	14
J. Jeffery	Crew ex "Prairie Bird"	43	80
do	do "Four Brothers"	23	43
do	3 men ex "Glendora"	8	00
do	2 do "Conquest"	4	00
Christian Burns	3 men ex "Pioneer"	6	00
do	Crew ex "M. H. Morris"	11	76
Carried forward		1,394	96

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*PROVINCE OF NOVA SCOTIA—*Concluded.*

		\$	cts.	\$	cts.
Brought forward		1,394	96		
DISTRESSED AND SHIPWRECKED SEAMEN—<i>Concluded.</i>					
<i>Subsistence and Conveyance—<i>Concluded.</i></i>					
David Myers	1 man ex	"Carcand"	4	00	
Joseph Creighton	Crew ex	"W. J. Nelson"	28	34	
Angus Morris	1 man ex	"Amos B"	3	28	
B. Rynard	3 men ex	"Elith" and "W. J. Nelson"	7	00	
P. Deegan	1 man ex	"Marcus Corpel"	1	46	
Wm Fanning	do	"Maggie"	8	76	
Charles Mylius	Crew ex	"Sea Bird"	10	95	
do	1 man ex	"H. H. McCurdy"	2	19	
W. W. Atwood	Crew ex	"Qui Vive"	37	01	
do	do	"Leonie"	83	34	
L. R. Manning	1 man ex	"Samuel Muir"	3	75	
Henry Smith	Crew ex	"Mabel Clate"	63	75	
R. Perry	do	"Ro"	116	45	
G. B. Anderson	4 men ex	"Selina"	11	68	
A. Harris	Crew ex	"Melinda Ann"	55	80	
					1,843 72
<i>Subsistence.</i>					
S. Fleming	4 men ex	"Amelia"	2	40	
do	1 man ex	"Miss Bell"	1	50	
D. Sargent	4 men ex	"Amelia"	6	80	
Julia Fleming	Crew ex	"Venezia"	16	20	
P. Taples	2 men ex	"Manitie"	3	60	
do	do	"Shield"	12	60	
do	Crew ex	"Oriental"	39	00	
do	1 man ex	"Pandora"	2	40	
do	3 men ex	"Melinda Ann"	7	20	
Wm. Morris	4 do	"H. H. Raymond"	3	90	
G. Roach	4 do	"Welcome Home"	2	40	
F. Brittain	2 do	"H. H. Raymond"	1	60	
D. Bird	2 do	"Oriental"	10	00	
M. Shean	Crew ex	"Camilla"	25	00	
J. S. Scott	do	"Melinda Ann"	27	00	
					161 60
<i>Conveyance.</i>					
Intercolonial Railway	Crew ex	"Venexia"	114	24	
do	Crew ex	"Welcome Home"	23	61	
P. Taples	1 man ex	"E. J. Shanks"	4	75	
do	Crew ex	"H. H. Raymond"	18	00	
A. McLeod	Crew ex	"Barbara"	20	00	
J. N. Gallant	1 man ex	"Agnes Wilson"	5	00	
					184 60
<i>Clothing.</i>					
P. Grant & Co	Seamen ex	"Mary," "Addie," and "Nellie."	25	25	
C. Geidney	1 man ex	"Confederate"	25	05	
J. Jeffery	1 do	"A. Carcand"	16	00	
Davidson & Creighton	Crew ex	"Conquest"	63	75	
Burns & Murray	do	"Oriental"	78	75	
					209 80
					2,398 72

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—Continued.

PROVINCE OF PRINCE EDWARD ISLAND.

MARINE HOSPITAL.		\$	cts.	\$	cts.
<i>Charlottetown.</i>					
F. P. Taylor, M.D.....	12 months salary as Medical Attendant to [31st December, 1878	300	00		
Margaret Darrach.....	12 months wages as Matron	180	00		
do	Board, 169½ weeks at \$2.50	422	92		
do	Paid for bedstead, hardware, lumber, banking hospital, stove fixing, etc.....	15	98		
Apothecaries' Hall.....	Medicines	79	48		
Patrick Gullen	12 months rent of hospital.....	120	00		
James Houston	Hardware	26	58		
John Newson.....	Furniture	11	70		
David May.....	Passage, sick seamen, to Bermuda.....	15	00		
David Conrod.....	Board and passage, sick seamen, to Halifax.....	7	00		
Henry Robertson, M.D....	Attendance, and medicine, on sick seamen ex "Sunrise".....	60	00		
Hugh Perkins.....	Coal	57	29		
Michael Hennessey	Funeral expenses late G. Brooke	14	00		
Mrs. John Sheenan	Attendance on do	3	00		
Daniel Gordon.....	Removing night-soil.....	7	35		
Anglo-American Tel. Co.	Telegrams	5	24		
Beer & Sons	Groceries, oil, towels, cotton, blankets, etc.....	156	62		
S. W. Dodd.....	Medicines.....	54	61		
				1,536	77
SMALLPOX HOSPITAL.					
<i>Alberton.</i>					
Henry F. Jarvis, M.D.....	Attendance and medicine	30	00		
John Kinch.....	do on patients, and boating materials	39	50		
Edwin Smith.....	Moving and taking charge of hospital... ..	78	00		
Dr. James Bearisto.....	Attendance and medicine.. ..	178	00		
Percy Pope	Rent of house, Savage Island	100	00		
G. W. Howlan	Hardware, groceries, stove, piping, etc.....	35	82		
B. Rogers & Co.....	Cooking stove, blankets, bedding, etc	88	94		
B. D. Reddin.....	Bread, etc	26	40		
B. Cosgrove	Labour, removing and fumigating ships.	6	00		
W. B. Dyer	Drugs, etc	16	54		
W. D. White	Hire of boat and men	70	50		
John Mountain.....	Conveyance	2	25		
T. O. Leavitt	Rent of building	10	00		
James F. White.....	Paid telegrams, etc	2	91		
John D. White.....	Clothing, lumber, etc.....	33	23		
F. W. Strong & Co.....	Clothing	38	63		
C. W. Strong	Paid telegrams, and cash advanced to patients.....	46	41		
				803	13
OUTPORTS, P. E. I.					
C. D. Anderson.....	Piping, bedding, repairs at Souris.....	155	78		
Macdonald & Walker.....	Tinware, brushes, etc do	2	63		
John G. McDonald	12 months salary as Keeper do	200	00		
do	Board, \$184.45; medicine, \$45, at Souris.....	184	95		
Edwin P. Ford, M.D.....	Professional attendance and medicine.....	79	56		
Wm. Kier, M.D	Attendance on 3 sick seamen ex "Ladie," "Cove," and "Rising Dawn	42	22		
P. A. McIntyre.....	Professional attendance and medicine	17	45		
C. W. Strong.....	Medicine and do Summerside	6	50		
Carried forward				689	11

STATEMENT of Expenditure on account of Marine Hospitals, Sick and Disabled Seamen, etc.—*Continued.*

PROVINCE OF PRINCE EDWARD ISLAND—*Concluded.*

		\$ cts.	\$ cts.
Brought forward.....		689 11	
<i>OUTPORTS, P. E. I.—Concluded.</i>			
C. J. Shreve, M.D.....	Professional attendance and medicine, Summerside.	34 75	
J. A. Gourlie & Co.....	Brandy for patients do	6 25	
R. McN. Bearish, M.D.....	Professional attendance do	16 50	
J. B. Shurman	Nursing sick seamen do	30 00	
Martin H. Finlay.....	Board, and attendance on Capt. McPhee.....	18 00	
Jas. M. McNutt.....	Paid for board at Malpeque	90 85	
R. McNeill, M. D.....	Professional attendance and medicine, New London	111 50	
Jas. Warren.....	Boarding and lodging, 3 weeks at \$4 25 do	12 75	
do	Male nurse, \$12; funeral expenses, 16 00 do	28 00	
Henry F. Jarvis, M.D.....	Professional services and medicine, Alberton.....	190 00	
H. W. Robertson	do do do Crapaud.....	87 75	
Laurence Tremaine, M.D.	do do do	11 00	
David Kaye	do do do	7 25	
Daniel Murphy.....	Board, 11 weeks at \$3, \$33; attendance, \$7.....	40 00	
A. H. Beers, M.D.....	Professional attendance and medicine, Cascumpec.	17 60	
Mary Warner.....	Attendance do	10 00	
J. E. Robertson, M.D.....	Professional do do Montague.....	29 49	
			1,430 29
<i>DISTRESSED SEAMEN.</i>			
C. W. Strong.....	Paid for board and passage, shipwrecked seamen ex "Jane Anna".....		38 45

PROVINCE OF BRITISH COLUMBIA.

J. C. Davie, M.D.....	12 months salary as Medical Officer at Victoria, B.C.	300 00	
Thomas Wood.....	do Keeper at Victoria, B.C.	499 92	
do	Maintenance of patients, 230 weeks, at \$5.....	1,150 07	
do	Washing, ferriages, &c.	78 50	
W. W. Walkem, M.D.....	Professional attendance and medicine at Burrard Inlet.....	534 72	
L. R. McInnes, M.D.....	Professional attendance and medicine, to 30th April, 1879, Nanaimo.....	1,023 50	
do	2 months salary from 1st May to 30th June, 1879...	66 66	
W. McNaughton Jones, M.D.....	Professional attendance and medicine, Nanaimo....	24 00	
E. Lawrence.....	Water	58 75	
J. Sehl.....	Oil cloth, chairs and hair mattress	30 75	
Langley & Co.....	Drugs	60 02	
A. & W. Wilson.....	Plumbers' work, repairing pipes.....	76 89	
Henry Saunders.....	Groceries, coal oil, lamp glasses, soap, &c.....	46 99	
M. W. Waitt & Co	Printing and ruling forms	16 50	
A. Rodgers.....	Landing coal	2 00	
Englehardt & Co.....	5 cords wood, at \$7.50.....	37 50	
John McTeigh.....	Drayage of 10 tons coal and labour loading.	12 00	
Thos. Wilson & Co.....	Flannel and damask	15 37	
Thos. Storey.....	Making rollers, table, &c.....	6 50	
P. McQuade & Son.....	Brushes.....	3 75	
Haywood & Jenkinson...	Funeral expenses, \$30; Framework, \$10.....	40 00	
John Weiler.....	9½ yards of oil cloth, \$1.25.....	11 67	
S. L. Kelly & Co.....	Hardware	6 87	
David Green.....	5 dozen towels, \$2.37½	11 87	
Dominion Steamer.....	10 tons coal	45 00	
E. B. Marvin.....	Blocks, white lead, oil, &c.....	7 25	
			4,167 05

STATEMENT of Expenditure on account of Marine Hospitals Sick and Disabled Seamen, etc.—*Continued.*

SUMMARY.

		\$	cts.	\$	cts.
Ontario	St. Catharines Hospital.....	500	00		
do	Kingston do	500	00		
				1,000	00
Quebec.....	Marine and Immigrant Hospital, Quebec.....			20,800	00
do	Montreal General Hospital.....	1,748	70		
do	Sick and Disabled Seamen.....	1,007	52		
do	Shipwrecked and Distressed Seamen.....	332	34		
				3,088	56
New Brunswick.....	Marine Hospitals and Sick Seamen.....	8,868	23		
do	Shipwrecked and Distressed do	429	68		
				9,297	91
Nova Scotia.....	Marine Hospitals and Sick Seamen.....	10,975	94		
do	Shipwrecked and Distressed do	2,398	72		
				13,374	66
Prince Edward Island....	Marine Hospital, Charlottetown.....	1,536	77		
do	Small-pox Hospital, Alberton.....	803	13		
do	Sick Seamen (outports).....	1,430	20		
do	Shipwrecked and Distressed Seamen.....	38	45		
				3,808	55
British Columbia.....	Marine Hospital and Sick Seamen			4,167	05
Board of Trade, London..	To reimburse Imperial Government for expenditure in behalf of Canadian Wrecked Seamen.....			2,981	08
				58,517	81
	Less—Refund, check in favor Capt. Harvey Oliver, amount having been included in accounts paid by Board of Trade	25	00		
	do Balance in hands of Secretary-Treasurer of Marine and Emigrant Hospital, Quebec, at close of fiscal year.....	8	23		
	do Paid by Government of Newfoundland on behalf of Shipwrecked and Distressed Seamen.....	247	24		
				280	47
	Total, Marine Hospitals, Sick and Disabled Seamen, and Shipwrecked and Distressed Seamen			58,237	34

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant

APPENDIX No. 19

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Sick Mariners' Dues collected, for the Fiscal Year
ended 30th June, 1879.

<i>Quebec.</i>		\$ cts.	<i>Nova Scotia.</i>		\$ cts.
Gaspé.....		122 24	Amherst.....		356 21
Magdalen Islands.....		42 00	Annapolis.....		135 68
Montreal.....		2,958 66	Antigonish.....		37 53
New Carlisle.....		171 48	Arichat.....		142 23
Percé.....		18 28	Baddeck.....		77 44
Quebec.....		9,758 60	Barrington.....		16 94
Rimouski.....		181 96	Bridgetown.....		4 00
St. Armand.....		4 66	Cornwallis.....		45 64
St. Johns.....		1,402 90	Digby.....		159 76
Sorel.....		13 80	Guysboro'.....		57 72
Stanstead.....		7 40	Halifax.....		4,013 43
Three Rivers.....		135 84	Liverpool.....		191 72
		14,817 82	Lockeport.....		49 43
Less refunded at Rimouski.....		11 02	Londonderry.....		14 32
Total.....		14,806 80	Lunenburg.....		308 77
			Margaretsville.....		6 34
<i>New Brunswick.</i>			North Sydney.....		928 14
Bathurst.....		257 98	Parrsboro'.....		154 72
Bay Verte.....		41 96	Pictou.....		863 86
Campo Bello.....		18 42	Port Hawkesbury.....		107 44
Caraquet.....		57 94	Port Hood.....		8 74
Chatham.....		1,951 74	Port Medway.....		41 92
Dalhousie.....		279 42	Shelburne.....		531 84
Dorchester.....		52 10	Sydney.....		790 36
Hillsboro'.....		163 32	Weymouth.....		74 74
Moncton.....		4 74	Windsor.....		588 28
Newcastle.....		421 06	Yarmouth.....		298 28
Richibucto.....		429 76	Total.....		10,005 45
Sackville.....		88 48	<i>British Columbia.</i>		
Shediac.....		454 80	Victoria.....		2,865 66
Shippegan.....		4 52	<i>Prince Edward Island.</i>		
St. Andrews.....		54 82	Charlottetown.....		868 42
St. George.....		84 78	Summerside.....		171 92
St. John.....		4,587 20	Total.....		1,040 34
St. Stephens.....		104 00			
West Isles.....		4 38			
Total.....		9,061 32			

RECAPITULATION.

	\$ cts.
Quebec.....	14,806 80
New Brunswick.....	9,061 32
Nova Scotia.....	10,005 45
British Columbia.....	2,865 66
Prince Edward Island.....	1,040 34
Total.....	37,779 57

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

APPENDIX No. 20

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure in connection with the Meteorological
Service, for the Year ended 30th June, 1879.

		<i>Salaries.—Central Office.</i>		\$	cts.	\$	cts.
<i>Officers of the Observatory.</i>	G. T. Kingston,						
	M. A.	12 months salary as Superintendent.....		1,000	00		
	T. Menzies.....	do do Assistant.....		300	00		
	W. A. Stewart...	do do do.....		300	00		
	W. F. Davison...	do do do.....		300	00		
	C. Carpmael, M. A.	do do Deputy Superintendent.....		1,500	00		
	A. Roberts.....	do do Inspector of Stations.....		800	00		
	F. H. Monk.....	do do Corresponding Clerk.....		500	00		
	R. F. Stupart.....	do do Assistant.....		600	00		
	H. V. Payne.....	do do do.....		520	00		
	James Young.....	do do do.....		450	00		
	B. C. Webber.....	do do do.....		375	00		
	C. E. Stewart.....	Salary as occasional Clerk.....		200	00		
	J. Davison.....	do do.....		120	00		
H. P. Blackey.....	12 months salary as Office Messenger.....		128	70			
						7,068	70
		<i>Chief Stations.</i>					
Sydney, C.B.....	Thos. C. Hill, 12 months salary as Superintendent, \$200, and assistance \$100.....			300	00		
Halifax, N.S.....	F. Allison, M.A., from 1st July, 1878, to 30th April, 1879, \$350, and assistance \$258.34.....			608	34		
St. John, N.B.....	G. Murdoch, C.E., 12 months salary as Superin- tendent, \$400, and assistance \$340.....			740	00		
Fredericton, N.B.....	Prof. Harrison.....	340	do	260	600	00	
Montreal, P.Q.....	C. H. McLeod, C.E.....	300	do	200	500	00	
Woodstock, Ont.....	J. Montgomery.....	240	do	160	400	00	
Winnipeg, Man.....	St. John's College.....				800	00	
Spencer Bridge, B.C.....	J. Murray.....				300	00	
						4,218	34
		<i>Telegraph Stations.</i>					
Sydney, C.B.....	Thos. C. Hill, 12 months salary as Superintendent, \$300, and assistance \$132.....			432	00		
Halifax, N.S.....	F. Allison, M.A., 9 do 150 do 75.....			225	00		
do	Augustus Allison, 2 do including assistance.....			136	50		
Chatham, N.B.....	G. A. Blair, 12 do 300, and assistance \$132.....			432	00		
Father Point, P.Q.....	J. McWilliams, 12 do 200 do 60.....			260	00		
Quebec.....	Capt. Ashe, R.N., 12 do.....			250	00		
Rockcliffe.....	W. H. McIntyre, 12 do.....			240	00		
Kingston.....	S. Woods, M.A., Supt., \$300, and assistance \$132.....			432	00		
Port Dover.....	H. Morgan do 300 do 132.....			432	00		
Port Stanley.....	M. Payne do 300 do 132.....			432	00		
Saugeen.....	Mrs. Stewart do 300 do 100.....			400	00		
Parry Sound.....	Rev. R. Mosley do 300 do 96.....			396	00		
Fort Garry.....	Jas. Stewart do 300 do 132.....			432	00		
						4,499	50
		<i>Reserve Telegraph Stations.</i>					
St. Andrews, N.B.....	S. T. Gove, M.D., 12 mos. salary as Superintendent.....			300	00		
Charlottetown.....	H. J. Cundall, C.E. do do.....			300	00		
Brockville.....	W. R. Bigg do do.....			120	00		
Stayner.....	R. J. Cole do do.....			120	00		
						840	00
		Carried forward.....				16,656	54

STATEMENT of Expenditure in connection with the Meteorological Service,
&c.—Continued.

		\$	cts.	\$	cts.
Brought forward					16,656 54
<i>Drum Stations.</i>					
St. John, N.B.....	J. B. Longley, 12 months salary as Agent.....	60	00		
Digby, N.S.....	W. H. Taylor do do	60	00		
Liverpool, N.S.....	J. L. Hemmeon do do	60	00		
Halifax, N.S.....	Sergt. Marshall, R.E. do do	24	00		
Louisburg, C.B.....	W. H. Townsend do do	60	00		
Cow Bay, C.B.....	C. Archibald do do	60	00		
Glace Bay, C.B.....	C. H. Rigby do do	60	00		
Port Hastings, C.B.....	P. Grant do do	60	00		
Pictou, N.S.....	M. Campbell do do	60	00		
Point du Chêne, N.B.....	H. H. Shafer, 9 do do	45	00		
Bathurst, N.B.....	Hon. J. Ferguson, 12 do do	100	00		
Dalhousie, N.B.....	H. A. Johnson, 12 do do	78	00		
Percé, P.Q.....	P. Vibert, 9 do do	45	00		
Gaspé, P.Q.....	J. Eden, 9 do do	45	00		
Quebec (Citadel).....	Lieut. J. B. Donaldson, 12 do do	100	00		
Cobourg.....	F. Reynolds, 9 do do	45	00		
Port Hope.....	Capt. T. F. Janes, 9 do do	45	00		
Toronto (Queen's Wharf).....	Capt. A. Taylor, 9 do do	45	00		
Toronto (Gibraltar Point).....	G. A. Durnan, 9 do do	45	00		
Oakville.....	S. Bell, 6 do do	4	00		
Hamilton.....	George Black, 9 do do	45	00		
Burlington Beach.....	T. Campbell, 9 do do	45	00		
Port Dalhousie.....	E. F. Dwyer, 12 do do	60	00		
Port Colborne.....	D. Hughes, 9 do do	45	00		
Goderich.....	G. N. Macdonald, 12 do do	60	00		
Kincardine.....	Dr. Martyn, 12 do do	100	00		
Saugeen.....	Thos. Davis, 12 do do	60	00		
Presqu'Isle.....	J. McKenzie, 12 do do	60	00		
Collingwood.....	Col. Biigh, 12 do do	78	00		
					1,654 00
<i>Special Station.</i>					
Esquimalt, B.C.....	W. H. Bevis, 12 months salary as Superintendent.....				180 00
<i>Instruments and Apparatus.</i>					
J. Foster.....	Anemometers, &c.....	1,230	25		
G. Tagliabuc.....	Barometer tubes.....	29	94		
A. Kluser.....	Repairing chronometers, &c.....	12	50		
Electric Hardware Co.....	Battery materials.....	10	60		
Thos. Dean.....	Brass castings.....	4	90		
James Green.....	Thermometer.....	2	36		
					1,290 55
<i>Fittings and Repairs at Stations.</i>					
J. Little.....	Fitting anemometers at Truro.....	19	20		
G. Du Tremblay.....	Levelling at Chicoutimi.....	5	00		
E. West.....	Whitewashing at Parry Sound.....	5	00		
R. Law.....	Fitting vane, &c., at Esquimalt.....	8	00		
					37 20
<i>Signal Masts, Drums, &c.</i>					
W. H. Townsend.....	Sundry supplies, Louisburg.....	4	37		
F. W. Cooper.....	do Halifax.....	5	00		
Black Bros.....	do do.....	11	61		
D. Mackay.....	do St. Andrews.....	2	00		
					22 98
Carried forward.....					19,841 27

STATEMENT of Expenditure in connection with the Meteorological Service, &c.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....		19,841 27
	<i>Stationery, Books, &c.</i>		
Hart & Rawlinson.....	Books, &c.....	40 38	
Rolph, Smith & Co.....	Lithographing maps.....	60 00	
F. F. Payne.....	Printing forms.....	351 00	
J. Baddeley.....	One year's subscription to <i>The Electrician</i>	5 55	
W. H. M. Christie.....	do do <i>Observatory</i>	5 40	
L. M. More.....	Envelopes and stationery at Buffalo, &c.....	21 88	
G. Runey.....	Synoptical charts.....	51 60	
R. Wilkinson.....	Postage stamps.....	184 00	
Copp, Clark & Co.....	Printing weather maps, forms, charts, &c.....	643 71	
Trout & Todd.....	do weather reviews, bulletins, &c.....	255 65	
Hunter & Co.....	Photographs.....	30 90	
Brown Bros.....	Writing paper, millboards, stationery, &c.....	128 23	
J. Farthing.....	Ink zincs for pen battery.....	4 50	
J. B. Carter.....	Mounting maps.....	1 45	
Rowell & Hutchinson.....	Postal cards, reports, &c.....	69 00	
W. F. Davison.....	Binding register forms.....	59 30	
Globe Printing Co.....	One year's subscription, 1st January, 1879.....	7 00	
J. J. Stoner.....	Map of Halifax.....	4 00	
A. Miller & Co.....	Binding books.....	1 60	
Toronto Educational Depository.....	Maps.....	6 25	
Charles Potter.....	Tape and drawing pins.....	6 00	
Wright & Taylor.....	City directory.....	2 50	
			1,939 90
	<i>Telegraphy.</i>		
Montreal Telegraph Co.....	Messages, &c.....	3,005 29	
do do	Parry Sound.....	1,116 06	
Dominion Telegraph Co.....	do	3,751 27	
Western Union do.....	do	1,048 64	
Thos. Hope.....	12 months salary as Operator, Central Office.....	480 00	
H. W. Burnett.....	do do do	480 00	
L. M. More.....	9 do services as Agent at Buffalo.....	90 00	
J. L. Barrett.....	do do do New York.....	90 00	
J. Young.....	12 do salary as Asst. Operator, Central Office.....	96 00	
B. C. Webber.....	do do do do	96 00	
H. V. Payne.....	do do do do	96 00	
J. Fitzgerald.....	do do Messenger, Halifax.....	96 00	
T. C. Hill.....	6 do rent of line at Sydney, C.E.....	30 00	
F. Mosely.....	12 do Messenger at Parry Sound.....	60 00	
G. J. Brown.....	Messenger at Sydney.....	12 00	
Chas. Prescott.....	Night and Sunday work at Charlottetown.....	17 00	
T. C. Hill.....	Paid Drum Messenger at Sydney.....	12 00	
M. Payne.....	do do Port Stanley.....	15 00	
J. Fitzgerald.....	do do Halifax.....	18 00	
do do	Night service, Halifax.....	12 00	
F. G. Weeks.....	Drum Messenger, Sydney.....	12 00	
			10,633 26
	<i>Travelling Expenses.</i>		
G. T. Kingston.....	To Chicoutimi, &c.....		68 95
C. Carpmael.....	To Ottawa and return—7 days.....		43 60
	<i>Freight, Cartage and Customs Dues.</i>		
G. T. Kingston.....	Paid for cartage, sundries, &c., Central Office.....	64 61	
Wells, Fargo & Co.....	do freight, &c., dues.....	77 40	
J. Cooper.....	do do.....	2 50	
American Express Co.....	do do.....	88 50	
G. T. Railway Co.....	do do.....	2 16	
	Carried forward.....	235 17	32,526 98

STATEMENT of Expenditure in connection with the Meteorological Service,
&c.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	235 17	32,526 98
	<i>Freight, Cartage and Customs Dues—Concluded.</i>		
B. Robinson.....	Paid on charts.....	7 55	
P. E. Bishop.....	do parcel from England.....	3 70	
C. H. Harrington.....	do box to Sydney.....	1 20	
St. Andrews Express Co.	do box.....	1 10	
Little Current Vickers...	Charges on box.....	1 10	249 82
	<i>Petty Expenses at Stations.</i>		
Central Office.....	G. T. Kingston.....	18 72	
St. John's College, Man.	R. Bourne.....	20 25	
Chatham.....	G. A. Blair.....	20 00	
Port Dover.....	H. Morgan.....	37 50	
Port Stanley.....	M. Payne.....	30 00	
Parry Sound.....	R. Moseley.....	20 00	
Saugeen.....	T. Davis.....	4 25	
Collingwood.....	J. Henderson.....	12 40	
Percé.....	P. Vibert.....	23 61	
Halifax.....	F. Allison.....	11 00	
Port Hope.....	T. F. Jones.....	5 31	
Ottawa.....	A. F. Kemp.....	4 00	
Cranbourne.....	P. Cassidy.....	2 38	
Louisburg.....	W. H. Townsend.....	3 47	
Esquimalt.....	J. McAnslow.....	2 00	
Pt. Dalhousie.....	E. F. Dwyer.....	1 00	
Father Point.....	J. McWilliams.....	1 00	
Quebec.....	J. B. Donaldson.....	2 00	
Oakville.....	S. Bell.....	0 75	
Liverpool.....	J. L. Hanneon.....	0 75	
Sydney, C.B.....	A. E. Hill.....	15 00	
do.....	H. R. Mackenzie.....	5 00	
do.....	S. Peters.....	36 15	
Pt. Hastings.....	Peter Grant.....	11 62	
Digby.....	W. H. Taylor.....	7 40	
Charlottetown.....	H. J. Cundall.....	5 94	
Port Hope.....	J. J. Turner.....	2 66	
Goderich.....	G. N. Macdonald.....	1 70	
Parry Sound.....	G. B. Collis.....	1 00	
Dalhousie.....	C. H. Lloyd.....	1 00	
Presqu'Isle.....	J. Mackenzie.....	9 80	
Moore Fort.....	W. A. Armit.....	3 55	
Quebec.....	A. M. Elvin.....	2 60	
Sydney.....	D. McDonald.....	2 00	
Cobourg.....	F. Reynolds.....	1 30	327 01
	<i>Miscellaneous.</i>		
R. Wilkinson.....	Postage.....	178 00	
W. H. Sparrow.....	Oil, hardware, mats, dark lanterns, &c.....	192 85	
Consumers' Gas Co.....	12 months gas to 27th March, 1879.....	16 20	
A. H. Paul.....	Insurance.....	15 25	
H. Downey.....	Lumber.....	690 23	
W. Mulligan.....	Painting.....	320 83	
W. Menzies.....	Carpenters' work.....	502 10	
A. Neilson.....	do.....	89 10	
M. Menton.....	Labour.....	25 80	
Wm. Moore.....	do.....	16 88	
R. W. Crawford.....	do.....	20 50	
Chas. Mainprice.....	Digging post-holes.....	9 00	
do.....	do.....	24 37	
J. E. Leslie.....	Scroll-work.....	3 00	
G. F. Harris.....	Stove-crocks.....	1 20	
	Carried forward.....	2,105 31	33,103 81

STATEMENT of Expenditure in connection with the Meteorological Service
&c.—Continued.

		\$ cts.	\$ cts.
	Brought forward.....	2,105 31	33,103 81
	<i>Miscellaneous—Continued.</i>		
T. H. Monk.....	Extra services at central office.....	200 00	
B. C. Webber.....	Special night and Sunday service.....	140 00	
H. W. Burnett.....	Wages as packing assistant.....	6 00	
J. Merryfield.....	12 months rent of room at central office.....	24 00	
J. H. Ansley & Slaight.....	Rent of premises at Port Dover.....	15 00	
M. Payne.....	do anemometer ground at Pt. Stanley.....	18 00	
E. J. Palmer.....	Photographic apparatus.....	3 95	
Cooke, Marchmont & Co.....	Removing night soil.....	4 39	
C. Thompson.....	Soap, &c.....	1 85	
J. Ferguson.....	Plastering.....	227 14	
W. J. Hughes.....	Building chimneys, &c.....	161 75	
J. Collier.....	Carpenters' work.....	82 95	
W. H. Shepherd.....	Fire-places and grates.....	63 00	
Thos. Carroll.....	Window-panes, &c.....	199 00	
Rice, Lewis & Son.....	Hardware.....	103 08	
T. A. Lockington.....	Office-desk.....	50 00	
C. J. Whitehead.....	Stoves and repairs.....	49 00	
P. Burns.....	8 tons coal, at \$5.50.....	44 00	
G. T. Kingston.....	Paid for washing, cleaning, postage, &c.....	63 52	
M. Turnbull.....	Large "probability" case.....	15 00	
Mrs. Pullen & Son.....	Twine, brushes, &c.....	4 25	
B. Jackes.....	Chemicals.....	2 55	
E. Tolchard.....	Matches and soap.....	2 15	
Toronto Post-Office.....	Rent of box.....	3 00	
D. S. Keith & Co.....	Plumbing.....	53 78	
A. H. Dickey.....	Occasional services, central office.....	23 00	
J. Catto & Co.....	Holland, Hessian, &c.....	18 02	
A. Peele.....	Copying returns, New Westminster, B.C.....	15 50	
J. P. Wagner.....	Sashes for windows, &c.....	10 48	
R. Walker & Sons.....	Dutch carpet, baize, &c.....	10 30	
Consumers' Gas Co.....	Gas to 27th March, 1879.....	9 40	
A. M. Weston & Co.....	Rubber.....	2 62	
G. Ringham.....	Guttering.....	47 60	
H. J. Mathews & Bros.....	Probability forms.....	39 90	
H. Tollis.....	Digging cistern.....	24 60	
A. Hendrie.....	Carpenters' work.....	21 18	
E. Beckett.....	Window-frame weights.....	15 64	
R. O'Connor.....	Labour.....	10 00	
E. Hooper.....	Chemicals.....	2 28	
	Total.....		3,896 19
			37,000 00

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

APPENDIX No. 21

To the Twelfth Annual Report of the Department of Marine and Fisheries,
 being Statement of Expenditure on account of McGill University
 Observatory, Montreal, for the Fiscal Year ended 30th June, 1879.

		\$ cts.
W. C. Baynes, Secretary	Annual Grant.....	500 00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 22

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Quebec Observatory,
for the Fiscal Year ended 30th June, 1879.

		\$ cts.
E. D. Ashe.....	12 months salary as Director.....	1,374 72
Thos. Heatley.....	do Assistant to Director.....	300 00
W. F. Lemesurier.....	Firewood.....	133 75
I. I. Foote.....	Advertising notice to mariners.....	50 00
W. Crawford & Co.....	Coals.....	37 10
Sampson & Co.....	Making repairs to time ball.....	22 97
J. K. Kane.....	Lamps and tinsmiths' work.....	36 35
Thos. Andrews.....	Hardware.....	23 28
E. D. Ashe.....	Sundry disbursements for Observatory.....	421 83
Total.....		2,400 00

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 23

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of the Observatory St.
John, N.B., for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
Geo. Hutchinson.....	12 months salary as Director....	\$493	72		
do	do superannuation tax.....	6	28		
				500	00
do	Balance of salary, 1877-78	\$10	75		
do	6 months arrears of superannuation tax.	3	14		
				13	89
J. B. Longley.....	12 months salary as keeper of time ball..	\$483	84		
do	do superannuation tax.....	6	12		
				489	96
do	7 months arrears of superannuation tax, 1877-78.....			3	14
					1,006 99

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 24

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure on account of Magnetic Observatory,
Toronto, for the Fiscal Year ended 30th June, 1879.

		\$	cts.	\$	cts.
G. T. Kingston.....	12 months salary as Director.....	1,999	20		
T. Menzies.....	do do Observer.....	533	25		
W. A. Stuart.....	do do do.....	533	25		
W. F. Davison.....	do do do.....	533	25		
Receiver-General.....	Superannuation tax on the above.....		61	05	
J. Merryfield.....	12 months salary as Messenger.....	300	00		
A. Kleiser.....	Instruments and repairs.....		10	00	
Rowell & Hutchison.....	Stationery.....		17	25	
W. F. Davison.....	Binding registers.....		3	00	
Lyman Bros.....	Chemicals.....		61	56	
Consumers' Gas Co.....	Gas for year.....		56	60	
J. Myles.....	Wood and coal.....		41	50	
Howard & Woodrow.....	do.....		144	00	
C. T. Thompson.....	Soap and candles.....		1	00	
H. Downey.....	Lumber.....		13	53	
A. Neilson.....	Carpenters' work.....		28	30	
W. Menzies.....	do.....		16	00	
W. Milligan.....	Painting.....		12	48	
A. M. Brown.....	do.....		59	00	
G. Ringham.....	Tinsmithing.....		9	94	
D. S. Keith.....	Plumbing.....		1	50	
Holtby & Co.....	Repairs to houses.....		197	00	
J. C. Stuart.....	Wall paper.....		38	70	
A. M. Brown.....	Hanging wall paper.....		17	10	
S. W. Marchmont.....	Removing night soil.....		5	25	
Western Insurance Co...	Insurance of Jewellings.....		40	00	
J. Young.....	Night and Sunday attendance.....		40	00	
H. V. Payne.....	Assistance at observations.....		15	00	
G. T. Kingston.....	Miscellaneous.....		10	45	
	Balance in hands of Director.....		84		
					4,800 00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 25

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure of grant to aid in the construction of a
Telegraph Line from Matane to Fox River.

		\$ cts.	\$ cts.
Montreal Telegraph Co...	Grant in aid.....		15,000 00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 26

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Expenditure for the Removal of Obstructions in
Navigable Rivers, for the Fiscal Year ended 30th June, 1879.

		\$ cts.	\$ cts.
Thos. Robertson	Removing obstructions from Charlottetown Harbour.....	17 00	
Thos. Cartier	Removing obstructions from River Thames.....	80 00	
Farquhar McRae	Expenses ascertaining situation of sunken barge "Paragon," Sydenham River, Ontario.....	4 50	
Windsor Review	Advertising for tenders for removal of barge.....	3 12	
Canada Printing Co.....	do do do	2 88	
H. McLean	Removal of the "Paragon," Sydenham River, Ont	195 00	
Chatham Pilot	Advertising do do do	3 36	
Total			305 86

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 27

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement of Amount of Collections and Expenditure on account of Harbour Improvements, collected at the undermentioned Ports at which Tonnage Dues have been imposed by Proclamation, for the Fiscal Year ended 30th June, 1879.

COLLECTIONS.		\$	cts.	\$	cts.
QUEBEC.					
Gaspé		8	20		
Magdalen Islands		110	04		
					118 24
NEW BRUNSWICK.					
Richibucto		721	20		
Bathurst		496	44		
					1,217 64
NOVA SCOTIA.					
Baddeck (Ingonish)		112	25		
Sydney (Cow Bay)		2,204	34		
					2,316 59
Grand Total					3,652 47

EXPENDITURE.

NOVA SCOTIA.		\$	cts.
Cow Bay		999	74
South Ingonish		60	00
Total		1,059	74

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 28

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Revenue derived from Wharves and Piers, paid to credit of
Receiver-General, for the Fiscal Year ended 30th June, 1879.

	\$	cts.
Maitland, N.S.....	11	67
Oak Point.....	105	25
Goderich.....	2,371	42
do rent received from Mr. H. Secord for Lots A, B, C.....	561	00
do do Mr. J. Williams for Lot D.....	150	00
	3,199	34
Less—Post Office order deposited in Bank of Montreal in error, and which will appear in current year's revenue.....	11	67
Total.....	3,187	67

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 29.

SCHEDULE of Fishery Officers in the Provinces of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, British Columbia and Manitoba, appointed under the Fisheries Act (1868), with Districts, Post Office Address, Salary, &c., &c., distinguishing those who, being Fishery Overseers, are instructed to act *ex officio* as Magistrates, from those who act in the capacity of Fishery Wardens, and do not exercise magisterial powers.

Name.	District.	Address.	Overseer or Warden.	Salary.
Samuel Wilmot.....		Newcastle.....	Superintendent fish-breeding establishments in the Dominion.	\$ cts. 2,000 00

PROVINCE OF ONTARIO.

T. McGarity.....	Counties of Stormont and Glengarry.	Cornwall.....	Overseer..	50 00
William Pool.....	Prescott to Rockport.....	Grenadier Island.....	do	50 00
Henry Hunt.....	Larue's Island.....	Rockport.....	Warden	20 00
John Wallace.....	Lindoe Island.....	Lansdowne.....	do	50 00
J. D. McMillan.....	Lake St. Francis, from Cornwall to Côteau du Lac, on the north side, and from St. Régis to Valleyfield, on the south side, including Lake St. Francis and Salmon and La-Guerre Rivers.....	Dundee, P.Q.....	Overseer..	50 00
John Mooney.....	Brockville to Cornwall.....	Prescott.....	do	200 00
Peter Kiel.....	Wolfe and Amherst Islands and waters around down to Brockville, and inland waters, County of Frontenac.....	Wolfe Island.....	do	200 00
Jos. Redmond.....	The County of Prince Edward.....		do	300 00
Charles Gilchrist..	Rice Lake and part of Lake Ontario, fronting on the County of Northumberland.....	Port Hope.....	do	400 00
W. H. Johnston....	Charleston Lake, Gananoque Lake and River.....	Charleston Lake, P.O..	do	50 00
James Greer.....	Gananoque River.....	Warburton.....	do	50 00
A. J. Harrington...	Lake Scugog, including Lindsay or Sengog River to its mouth.....	Port Perry.....	do	50 00
John McAllister ...	do do	Cassara.....	Warden....	50 00
Alfred Knight.....	Lake shore and inland waters, County of Addington.....	Petworth.....	Overseer..	100 00
	Carried forward.....			1,610 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF ONTARIO—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 1,610 00
John A. Cameron	Inland waters of the Townships of Bedford, Ose, Olden, Palmerston, Clarendon and Miller in the County of Addington	Westport	Overseer...	50 00
A. D. Sills	Lake shore and inland waters, County of Lennox	Napanee	do ...	100 00
Charles Wilkins...	Waters of the Bay of Quinté fronting on County of Hastings, and from Carrying Place eastward to Mill Point, in the Co. of Prince Edward.	Belleville.	do ...	200 00
James G. Wilcox..	River Credit, from mouth of river up to Norval.	Port Credit.	do ...	50 00
John W. Kerr.....	Whitby Harbor to Moulton Bay.....	Hamilton.....	do ...	500 00
Henry Lawe.....	Grand River from mouth of Caledonia and that part of Lake Erie extending from South Cayuga to Moulton Bay	Dunnville	do ...	100 00
Chas. L. Bingham.	That part of the Counties of Norfolk and Haldimand fronting on Lake Erie and extending from the division line between the Counties of Elgin and Norfolk to the division line between the Townships of Rainham and South Cayuga.....	Rowan Mills... ..	do ...	250 00
Alex. McBride.....	That part of Lake Erie fronting on the County of Elgin.	Port Burwell.....	do ...	50 00
John McMichael...	Lake Erie frontage, County of Kent..	Rond Eau.....	do ...	50 00
James Cunimins...	Point Pelée Island	Kingsville.....	Warden...	50 00
Wm. Prosser.....	Lake Erie, from mouth Detroit River to Point Pelée	Leamington.....	do ...	30 00
E. Boismier	Baptiste Creek, on Lake St. Clair, to mouth of Detroit River	Sandwich	Overseer...	200 00
Thos. Cartier.....	Mouth of River Thames.....	Tilbury West.....	Warden...	20 00
Timothy McQueen.	Mouth of Thames River to Lewisville.	Chatham.....	Overseer...	50 00
Angus Brady.....	Thames River, from Lewisville to Cashmere	Bothwell.....	do ...	40 00
Peter McCann	Thames River, from Thamesville to London	London.....	do ...	200 00
P. McCarron.....	Sydenham River and tributaries.....	Wallaceburg.....	do ...	100 00
Chas. W. Raymond	Lake St. Clair	Mitchell's Bay.....	do ...	50 00
David McMaster...	Baby's Point, on River St. Clair, to Kettle Point, on Lake Huron.....	Sarnia.....	do ...	200 00
A. C. McKinnon...	Kettle Point to Point Clarke, Lake Huron	Goderich.....	do ...	100 00
James Muir	Point Clarke to Cape Hurd, including adjacent islands	Port Elgin.....	do ...	100 00
Geo. S. Miller	Owen Sound to Cape Hurd	Owen Sound	do ...	100 00
James Patton.....	Collingwood to Point Rich	Collingwood.....	do ...	250 00
Samuel Fraser.....	Point Cockburn to Moose Point	Midland.....	do ...	100 00
Wm. McGown.....	From Moose Deer Point to Byng Inlet, Georgian Bay.....	Parry Sound	Warden...	50 00
Geo. B. Abrey.....	Manitoulin Islands and adjacent islands in Lake Huron.....	Little Current.....	Overseer...	100 00
Jos. Wilson.....	Thessalon River to Slate Island.....	Sault Ste. Marie.....	do ...	100 00
James Dickson.....	Lake Superior, extending from Slate Island to mouth of Pigeon River. ...	Prince Arthur's Land'g	do ...	100 00
Alex. McKenzie....	Lake Simcoe and tributaries	Barrie.....	do ...	50 00
	Carried forward.....			4,950 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF ONTARIO—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 4,950 00
Wm. Hastings.....	Lake Simcoe from Cook's Bay to Beaverton.....	Roach's Point.....	Overseer...	50 00
George Cochrane..	Inland waters, Co. Peterboro', including Pigeon, Deer, Salmon-Trout, Stony, Sturgeon and Chemong Lakes.....	Lakefield.....	do	250 00
Daniel Bowen.....	Upper Division or East Riding, Co. Peterboro', comprising waters of Gull and Burnt Rivers and tributaries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits.....	Haliburton.....	do	100 00
J. R. Graham.....	Inland water, N.R. County Victoria, north of Sturgeon Lake, and above Fenelon Falls.....	Victoria Road.....	do	100 00
James McFadden..	Mississippi River and Lake.....	Carleton Place.....	do	30 00
Andrew Telfer.....	Bonnechère River and Lakes, Co. Renfrew.....	Sand Point.....	do	50 00
W. P. Croome.....	Grand River and its tributaries from Brantford upwards.....	Brantford.....	do	100 00
Wm. E. Foot.....	Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River	Bracebridge.....	do	125 00
Wellington Hull..	The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing.....	Erin.....	do	50 00
W. D. Pollock.....	Twelve and Sixteen Mile Creeks, in the County of Halton.....	Bronté.....	Warden....	30 00
Hugh McPayden..	Head waters of Saugeen River, and tributaries.....	Durham.....	Overseer ..	40 00
Robt. Bell.....	Rideau Lakes.....	Newboro'.....	do	75 00
A. E. Mills.....	Rideau River and Canal.....	Smith's Falls.....	do	50 00
Wm. Hicks.....	Upper and Lower Beverly Lakes.....	Delta.....	do	40 00
John Morrow.....	Upper Madawaska.....	Dacre.....	do	25 00
Jno. R. McDonald.	Madawaska River.....	Clontarf.....	do	50 00
M. L. Russell.....	Bonnechère River.....	Renfrew.....	do	25 00
Thos. McKibbon..	Mink and Doré Lakes, Renfrew.....	Eganville.....	do	25 00
Geo. Douglas.....	Muskrat Lake and Snake River, Renfrew.....	Stafford.....	do	25 00
Arch. Acheson.....	Lower Allumette and Coulonge Lakes	Westmeath.....	do	25 00
John Grant.....	Upper Allumette to Des Joachims, including Petawawa River.....	Forester's Falls.....	do	40 00
Ephraim Deacon..	River Tay, Co. Lanark.....	Bolingbroke.....	do	50 00
	Total.....			6,305 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF QUEBEC.

Name.	District.	Address.	Overseer or Warden.	Salary.
Wm. Wakeham.....	Lower St. Lawrence River and Gulf..	Gaspé Basin (in summer), Quebec (in winter).....	Officer in charge of Gov. st'm-er for pro-tection of Fisheries..	\$ cts. 1,200 00
Clovis Caron.....	Point Lévis to River Onelle	L'Islet.....	Overseer...	200 00
Jules Gauvreau.....	River Ouelle to Point à la Loupe, Green Island	Isle Verte	do ...	100 00
H. Martin.....	Point à la Loupe, Green Island, to Rimouski River (same included)....	Rimouski.....	do ...	100 00
L. E. Grondin	Rimouski to River Blanche.....	do	do ...	100 00
Vital Charest.....	River Blanche to Cape Chatte.....	Matane.....	do ...	100 00
George Gagnon.....	Inland waters, County Témiscouata..	St. Epiphane.....	Warden ...	30 00
Phileas Dubé.....	Lake Témiscouata and neighbouring waters, County Témiscouata.....	Notre Dame du Lac ...	do ...	30 00
Alfred Blais.....	Lake Matapedia and River Matapedia to Causapschal.....	Causapschal.....	Overseer...	100 00
J. J. Letourneau.....	Cape Chatte to River Ste. Anne des Monts	Ste. Anne des Monts ...	do ...	100 00
P. Vibert, jun.....	York, Dartmouth and St. John Rivers, Gaspé Basin, to Point Maquereau....	Gaspé Basin.....	do ...	200 00
John Phelan	Point Maquereau to Paspébiac Point..	Port Daniel.....	do ...	50 00
R. W. H. Dimock..	Paspébiac Point to Maguasha Point..	New Richmond.....	do ...	200 00
John Mowat	That part of the County of Bonaventure extending from Maguasha Point upwards, and including the Rivers Matapedia and Restigouche and their tributaries.	Dee Side, Matapedia ...	do ...	300 00
L. P. Huot.....	Lakes Philippe, Gagné and adjacent Lakes, and the inland of Orleans ...	St. Roch, Quebec.....	Overseer...	100 00
U. Bhéreur.....	River du Gouffre to Canard River, including inland Lakes adjacent to Murray Bay and St. Paul's Bay	Murray Bay.....	do ...	50 00
Etienne Tremblay..	} Lakes in rear of Murray Bay and Bay St. Paul.....	Bay St. Paul.....	Warden ...	30 00
Jos. Simard.....		St. Agnés.....	do ...	40 00
Antoine Filion.....		Bay St. Paul.....	do ...	30 00
Jos. Radford.....	Waters in Counties of Chicoutimi and Saguenay	Tadoussac.....	Overseer...	200 00
Jacques Girard.....	Grand Bay	Grand Bay.....	Warden ...	100 00
Romuald Maltais.....	Lake St. John.....	Alma	do ...	25 00
Chas. Potvin.....	do	Roberval.....	do ...	25 00
Job Bilodeau.....	Lake St. John and tributaries, Upper Saguenay	Metabecheouan.....	do ...	50 00
Joseph Boily.....	Escoumains to Bersimis.....	Mille Vaches.....	do ...	50 00
G. L. Duguay.....	North Shore, from Manicouagan to Point des Monts, including Becsacie, Mistassinis and Godbout Rivers.	Godbout.....	do ...	150 00
J. O. Belanger.....	North Shore River St. Lawrence, from Point des Monts to Baie des Rochers, including Trinity and Pentecost Rivers.....	Montmagny.....	do ...	150 00
G. Mathurin.....	Moisie District, from Point Jambon to Point St. Charles, including Moisie River.....	do	Overseer...	150 00
	Carried forward			3,960 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF QUEBEC—*Concluded.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 3,960 00
D. B. McGie	Esquimaux Point to Sheldrake River..	Port Daniel.....	Overseer...	100 00
W. McLeod.....	Washeecootai Division, comprising the Rivers Kegashca, Musquarro, Washeecootai and Romaine or Olomanosheeboo	L'Islet.....	do ...	100 00
P. C. Gobeil.....	Watsheeshoo District, from Ateepetal Bay West to Little Watsheeshoo River East.....	St. Jean Port Joli.....	Warden ...	150 00
T. Mignault.....	Western Division Natashquan, includ- ing River Agwanus, Nabissippi and Natashquan.....	Montmagny.....	Overseer...	150 00
J. Legouvé.....	St. Augustine Division, from Cape Whittle to Checatica.	Gaspé Basin.....	Warden ...	100 00
W. H. Whitely....	Bonne Espérance Division, from Che- catica to Blanc Sablon.....	Bonne Espérance.....	do ...	100 00
Ant. Chevrier....	Magdalen Islands.....	Amherst.....	Overseer...	100 00
John Morris.....	River St. Lawrence around Island of Montreal.....	St. Lambert.....	do ...	200 00
R. W. Jones	Ottawa River, from Oka to Carillon, North side	St. Andrews.....	do ...	40 00
Jos. I. Lamoureux..	Ottawa River, from Oka to Carillon, South side	Rigaud	do ...	40 00
Jos. Landry	River Jesus and Des Prairies	Terrebonne.....	do ...	100 00
W. C. Willis	Waters in District of St. Francis.....	Sherbrooke.....	do ...	150 00
H. W. Austin.	Richelieu River and tributaries from Sorel to St. John	Chambly.....	do ...	200 00
S. F. Copp.....	Lake Memphremagog, in the Counties of Stanstead and Brome.....	Georgeville.....	do ...	100 00
J. B. Chevalier....	Richelieu River, from St. John to Lake Champlain	Iberville.....	do ...	100 00
Pierre Latraverse..	That part of the River St. Lawrence bordering on the Counties of Riche- lieu, Yamaska and Berthier, in the Province of Quebec, including Sorel and adjoining Islands	Sorel	Warden ...	100 00
Olivier Laféche ...	That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge	River du Loup(en haut)	do ...	40 00
P. E. Luke.....	Mississquoi Bay in Lake Champlain and Pike River.	Phillipsburg.....	Overseer...	50 00
J. B. McDonald....	Lake Megantic.....	Lake Megantic.....	do ...	100 00
J. F. Picotin....	St. Francis River.....	Drummondville.....	Warden ...	25 00
Wm. Clyde.....	Chateauguay River and tributaries ...	Huntingdon	Overseer...	50 00
Andrew Watt.....	River Chateauguay, from mouth to village	Chateauguay Basin....	do ...	50 00
Alexander Beaton.	The inland waters in rear of the County of Argenteuil.	Lost River, P. O., Har- rington.....	do ...	30 00
L. J. Loranger.....	The inland waters of the County of Terrebonne	St. Sauveur.	do ...	150 00
Thomas Evans.....	Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniorie of Mille Isls and Township of Morin, in the County of Terrebonne.	Lakefield.....	do ...	30 00
Jos. Marion.....	County of Ottawa.	Hull.....	do ...	100 00
	Total.....			6,415 00

SCHEDULE of Fishery Officers in the several Provinces, etc—Continued.

PROVINCE OF NOVA SCOTIA.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts
W. H. Rogers	Nova Scotia	Amherst.	Inspector of Fisher- ies.....	1,200 00
	<i>Annapolis County.</i>			
W. T. Carty	Annapolis County	Annapolis.....	Overseer...	120 00
A. F. Morton	Annapolis River	Wilmot	Warden ...	25 00
Geo. Vroom	Bear River (South side).....	Bear River.....	do ...	25 00
Wm. Crosscup.....	Bear River (North side).....	do	do ...	25 00
	<i>Antigonish County.</i>			
John McDonald.....	Antigonish County.....	Antigonish	Overseer...	125 00
Angus McDonald...	From mouth of Harbour to foot of Marsh, thence up Tracadie stream to lake, from Marsh up to Monastery Brook, including French Settle- ment Brook and Tarbits.....	Tracadie.....	Warden ...	25 00
J. R. Aymer.....	From mouth of Harbour to Forks, from thence on the Pomquet River to V. Chisholm's Mills, and from Forks on the Black River to Falls.....	Pomquet Forks, Anti- gonish	do ...	25 00
Albert Randall	From shore to lake	Bayfield, W.O.....	do ...	15 00
Golin Chisholm....	From Antigonish Harbour to McWil- liams or St. Andrew's Bridge.....	Lower South River, Antigonish.....	do ...	25 00
Lechlin Cameron..	From McWilliam's Bridge to Fraser's Bridge, including Big Brook	Upper South River, Antigonish.....	do ...	30 00
John Cumming....	From Fraser's Bridge to County line at head of lake.....	Upper South River, Antigonish.....	do ...	20 00
John Dexter	From Antigonish Harbour (foot of marsh), to Trotter's Mill Brook, thence up said Brook to Trotter's Mill, including both branches of West River and Bailey's Brook.....	Antigonish.....	do ...	30 00
Donald Chisholm..	From Trotter's Mill Brook to W. Thompson's Dam.....	Salt Springs, Antigon- ish.....	do ...	25 00
Alex. Macadam....	From Thompson's Dam to Addington Forks' Bridge	West River, Addington Forks, Antigonish...	do ...	25 00
Hugh Cameron....	From Forks' Bridge to Pinkeytown Bridge, including Jones River and Beaver River	Addington, W.O.....	do ...	25 00
Duncan Fraser....	From Pinkeytown Bridge to Stewart's Mill	Ohio.....	do ...	20 00
James Chisholm..	From Campbell's Rock, on Pomquet River, to V. Chisholm's Mill on the Eastern Branch, and to Alexander McDonald's Mill on the Western Branch	St. Andrews.....	do ...	25 00
James McDougald.	From John McDonald (Bun's) Cove, north side of Cape George, to Creb- bing Head, St. George's Bay.....	McNair's Cove, Cape George.....	do ...	25 00
	Carried forward.....			1,835 00

SCHEDULE of Fishery Officers in the several Provinces, etc—*Continued.*PROVINCE OF NOVA SCOTIA—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ eta.
	Brought forward.....			1,825 00
	<i>Cape Breton County.</i>			
Francis Quinan.....	From Low Point to South Head of Cow Bay, and north side of Mira Bay, including Salmon River and Sydney River.....	Sydney.....	Overseer...	120 00
Anthony Spencer.....	Mira River, Black Brook.....	Mira Gut, W.O.....	Warden...	25 00
Wm. Burke.....	Mira Bridge and Trout Brook .. .	Burke's Bridge, Mira River.....	do ...	25 00
John McEachen.....	Salmon River	Grand Mira, Arichat...	do ...	25 00
Thos. Moore.....	Bell's and Leitch's Creeks	North Sydney.....	do ...	20 00
Donald McDonald.....	Sydney River and Forks.....	Lingan	do ...	20 00
Alex. McLean.....	Mill Brook.....	Mill Brook.....	do ...	20 00
York Barrington.....	North of East Bay to Head of Sydney River, including part of Boularderie Island.....	Sydney Mines.....	Overseer...	120 00
Alex. McDonald	South of East Bay to Salmon River...	East Bay.....	Warden...	120 00
Allan McAdam.....	Ekasoni.....	Ekasoni.....	do ...	25 00
Angus Morrison.....	Marion Bridge, Mira	Marion Bridge, Mira.....	do ...	25 00
Denis Murphy.....	Ponds, Sydney Mines	Ponds, Sydney Mines...	do ...	25 00
H. McLellan.....	Rory Brack's Brook.....	Rory Brack's Brook.....	do ...	25 00
P. Keefe.....	North West Brook, Grand Lake and tributaries	Lingan.....	do ...	25 00
Donald M' Cormack.....	Leitch's Creek and George's River...	Leitch's Creek, W.O..	do ...	25 00
John McNeil	Benecadie River emptying into Bras d'Or Lake.....	Benecadie, W. O.....	do ...	25 00
	<i>Colchester County.</i>			
T. Johnston.....	Salmon River.....	Salmon River.....	Warden ...	25 00
E. J. Pollock.....	Stewiacke River (lower portion).....	Lower Stewiacke.....	Overseer...	75 00
George Fulton.....	do (upper portion).....	Stewiacke River, Brook-		
H. Gass.....	Northern Division, Co. Colchester, comprising Tatamagouche Bay, French and Waugh's Rivers.	field.....	Warden ...	25 00
J. W. Davison	Colchester County, West Division....	Tatamagouche.....	Overseer...	40 00
J. Urquhart.....	Waugh's River.....	Upper Economy.....	do ...	100 00
Robt. R. Fulton.....	De Bert River	Tatamagouche River...	Warden...	50 00
T. Davidson, 2nd.....	Portapique River.....	Londonderry	do ...	25 00
George Moore.....	Economy River.....	Portapique, W.O.....	do ...	25 00
Mat. G. Murray.....	Salmon River.....	Economy	do ...	25 00
William Winton.....	Lower Stewiacke River.	Truro.....	do ...	25 00
Alfred Wright.....	do do	Lower Stewiacke.....	do ...	25 00
Henry Blair.....	Eastern Division, County Colchester.	do	do ...	25 00
		North River.....	Overseer...	100 00
	<i>Cumberland County.</i>			
N. B. Blair.....	Cumberland Co., Eastern Division, embracing all streams emptying into the Straits of Northumberland	Oxford.....	Overseer...	100 00
Oliver Fillmore.....	River Philip, Hanam's Falls, upwards	River Philip.....	Warden...	25 00
John W. Moore.....	do do downwards	do	do ...	25 00
Thos. R. Smith.....	Shinimicas River.....	Shinimicas River.....	do ...	25 00
F. W. Lowther.....	River Philip.....	River Philip.....	do ...	25 00
	Carried forward.....			3,270 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			3,270 00
	<i>Cumberland County—Continued.</i>			
James King.....	Cumberland County, Western Division, including all streams flowing into the Bay of Fundy.....	Amherst.....	Overseer..	100 00
David Corbett.....	Laplance and Nappan Rivers.....	do	Warden...	25 00
Moses Harrison.....	Maccan Rivers	Maccan, W. O.....	do ...	25 00
C. Pugsley.....	River Hebert.....	River Hebert.....	do ...	25 00
Francis L. Jenks.....	Parrsboro' Head.....	Parrsboro'	do ...	25 00
Wm. Murphy.....	Wallace River	Wallace.....	do ...	30 00
Elijah Fowler.....	Diligent, Ramshead and Fox Rivers, including fisheries from Partridge Island to Spencer Island.....	Diligent River, Parrsboro'.....	do ...	30 00
Samuel McPherson	Pugwash River.....	Pugwash River	do ...	25 00
	<i>Digby County.</i>			
J. H. Morehouse....	Digby County.....	Hillsburg.....	Overseer..	120 00
Abraham L. Gaviil	Joggins River.....	Digby.....	Warden...	25 00
Lochlin McKay.....	St. Mary's Bay.....	St. Mary's Bay, W. O.....	do ...	25 00
Robert Journey....	Sissaboo River.....	Weymouth.....	do ...	25 00
	Brier and Long Island.....	Brier Island.....	Overseer..	50 00
	<i>Guysborough County.</i>			
James A. Tory.....	Guysborough County.....	Guysborough.....	Overseer..	150 00
James Cook.....	Salmon River, from mouth to Graham's West Line.....	Salmon River, W.O.....	Warden...	25 00
James McCallum....	From Graham's West Line to foot of Neil's Lake, including North Branch and Lake.....	do	do ...	20 00
Charles Kenny.....	From foot of Neil's Lake to Beaver Dam Lake, inclusive, and all the lakes through which it passes.....	Salmon River, West Branch, Guysboro'...	do ...	15 00
Donald Gunn.....	From mouth of Scott's Place to Country Harbour Lake, including Gunn's Brook, from Main River to Hurley's Lake.....	Cross Roads	do ...	30 00
William Pride.....	From mouth of St. Mary's River to Sinclair's Point, including stream from Wine Harbour to Lake.....	Sherbrooke, St. Mary's	do ...	30 00
Thomas McKeen....	From Forks to County Line, including McQueen's Mill and Brook, to Lake.....	Melrose.....	do ...	30 00
J. L. Smith.....	From Forks to Indian Man's Brook....	West River.....	do ...	25 00
Robert McKay.....	From head of tide to head of Intervale, on the North Branch, and to Cameron's Mill, on the Valley Branch.....	Guysborough, Intervale, W.O.....	do ...	15 00
James R. Bruce....	From mouth of Clam Harbour River to Upper Falls.....	Guysborough.....	do ...	10 00
	Carried forward.....			4,150 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
Brought forward.....				\$ est. 4,150 00
<i>Guyborough County—Continued.</i>				
James Nickerson..	From Beach to Fallc, including North West Brook.....	New Harbour, W.O.....	do ...	15 00
D. A. McDonald ...	St. Mary's River.....	St. Mary's River, Sherbrooke.....	do ...	40 00
Allan McQuarrie..	District of St. Mary's.....	Sherbrooke.....	Overseer..	100 00
Adam Kirk.....	St. Mary's River, extending from Alex. Ross' (above still waters) to Hugh Halters', on the West River.....	Glenelg	Warden....	30 00
Wm. McDonald....	St. Mary's River.....	Stillwater.....	do ...	25 00
D. McC. Sinclair...	From Sinclair's Mill to Headwater....	Goshen	do ...	20 00
Luke Harpell.....	From mouth to head of Indian River.	Indian River, St. Mary's District.....	do ...	15 00
D. Cameron, sen...	West River, St. Mary's, from Wallace Bridge to head of River.....	Upper Caledonia.....	do ...	20 00
Frederick Mattie..	Tracadie River, in Counties of Guysboro' and Antigonish.....	Tracadie, County of Antigonish	do ...	15 00
Angus Cameron....	East River, St. Mary's.....	East River	do ...	25 00
John Jones.....	Mouth of Salmon River.....	Mouth of Salmon River	do ...	25 00
James Henderson..	Isaac Harbour and River.....	Isaac's Harbour.....	do ...	25 00
Samuel Hudson (Lewis' son).....	Country Harbour River, from Bridge at Narrows to mouth	Country Harbour... ..	do ...	25 00
John J. Sangster...	From New Harbour to Isaac Harbour, including harbours, rivers and lakes between these places	Coddell's Harbour.....	do ...	25 00
<i>Halifax County.</i>				
William Anderson.	Halifax County, East Division, Dartmouth to Ecum Secum	Musquodoboit Harbour	Overseer..	150 00
James Blakely.....	From Ship Harbour to Chezzetcook, inclusive	Ship Harbour.....	Warden....	30 00
William Hall	Sheet Harbour	Sheet Harbour.....	do ...	40 00
John Fitzgerald...	Halifax Harbour to Margaret Bay, Portuguese Cove.....	Portuguese Cove.....	Overseer..	150 00
Archibald Kidston	From Peggy's Cove to Terrance Bay, Nine Mile and Prospect Rivers.....	Spryfield.....	Warden....	40 00
Nathaniel Mason...	From Hubert's to Peggy's Cove, Margaret Bay, Ingraham and Ind an Rivers.....	Margaret Bay, Peggy's Cove, W O	do ...	40 00
Daniel Mosher.....	Cow Bay Run.....	Cow Bay, Dartmouth..	do ...	20 00
Donald Mc'leam..	Chezsetcook River	Chezsetcook River	do ...	30 00
Henry Balcan	Salmon River	Salmon River.....	do ...	30 00
John McCurdy.....	Middle Musquodoboit.....	Middle Musquodoboit..	do ...	30 00
James Miller	Tangier River.....	Tangier River.....	do ...	30 00
Hy. A. Shatford...	Pennant River	Hubbard's Cove.....	do ...	40 00
Jas. Gardner	Musquodoboit Harbour	Musquodoboit Harbour	do ...	30 00
John Taylor	Little Musquodoboit River.....	Little Musquodoboit River.....	do ...	30 00
Geo. Parker	Upper Musquodoboit.....	Upper Musquodoboit River.....	do ...	30 00
John Frazer	Moser's River and Ecum Secum and Smith's Brook.....	Moser's River.....	do ...	30 00
Carried forward.....				5,305 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 5,305 00
	<i>Halifax County.—Continued.</i>			
Geo. Keizer.....	Lake Porter and streams.....	Lake Porter.....	do ...	30 00
Wm. Geo. Walker.	Little Salmon River.....	Little Salmon River, Preston Road.....	Warden....	20 00
James Crook.....	Big Salmon River or Lawrencetown River	Lawrencetown.....	do ...	25 00
F. G. Tolson.....	Sackville River.....	Sackville River.....	do ...	40 00
	<i>Hants County.</i>			
P. S. Burnham ..	Hants County, Western Division, from Western County Line to Walton....	Windsor.....	Overseer..	100 00
John B. Colter.....	Shubenacadie River.....	Milford.....	do ...	30 00
James Mosher.....	Rivers Meander and Hebert, from mouth to source.....	Brooklyn.....	Warden ...	30 00
T. B. O'Brien.....	East Division, from Walton to Col- chester Line.....	Maitland.....	Overseer..	100 00
Joseph Mosher.....	Kennetcook River, from mouth to head of tide.....	Newport.....	Warden ...	50 00
James M. O'Brien..	Walton and Kennetcook Rivers.....	Maitland.....	do ...	30 00
	<i>Inverness County.</i>			
Peter Coady.....	Inverness County, East Division.....	S. W. Margaree.....	Overseer..	100 00
David Ross.....	do do.....	N. E. Margaree.....	do ...	100 00
Miles McDaniel.....	From mouth of Margaree River to South-west Chapl.....	Forks, Margaree, W. O.	do ...	25 00
Neil McKay.....	Upper Waters and tributaries, Mar- garee River.....	S. W. Margaree River..	Warden ...	25 00
D. F. McLean.....	Inverness County, Western Division..	Port Hastings.....	Overseer..	100 00
Peter Benvie.....	Mabou River.....	Mabou, Brook Village.	Warden ...	25 00
M. B. McDonald....	River Dennis.....	River Dennis, W. O.....	do ...	25 00
Donald McDonald..	River Inhabitants.....	River Inhabitants, W. O	do ...	25 00
John McLean.....	do	Broad Cove	do ...	25 00
Hugh Cameron.....	do	S. W. Mabou.....	do ...	25 00
Moses Murphy.....	Ainslie Lake.....	N. E. Margaree.....	do ...	25 00
John McKenzie.....	Crowdis Bridge to head of river.....	Big Intervale, Mar- garee, W. O.....	do ...	25 00
Daniel McDermid..	From his own residence to Big Inter- vale.....	N. E. Margaree.....	do ...	25 00
Mark Crowdis.....	From Bridge to Forks, North-east Margaree River.....	do	do ...	25 00
Donald Carmichael (David's Son).....	do do.....	do	do ...	25 00
William Hart, jun.	From Crowdis Bridge to Warden McDermid's residence.....	S. W. Margaree.....	do ...	25 00
Allan McLellan (John's Son).....	Whycomagh Bay.....	River Denis.....	do ...	25 00
Malcolm McKay....	Trout River.....	Lake Ainslie.....	do ...	20 00
Angus McFarlane (Angus' Son).....	Upper South-west Margaree River.....	Upper S. W. Margaree River.....	do ...	25 00
John P. McFarlane	Margaree Harbour.....	Margaree.....	do ...	25 00
Stephen Graham..	Long Point and Judique Rivers.....		do ...	25 00
	Carried forward			6,505 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward			6,505 00
	<i>King's County.</i>			
John E. Starr	King's County	Port William	Overseer	250 00
W. McIntyre	Annapolis River	Kentville	Warden	50 00
	<i>Lunenburg County.</i>			
Geo. Redden	Lunenburg County, East Division Middle, Gold, Martin's and Mushamush Rivers	Chester	Overseer	100 00
Geo. Meland	Eastern River	do	Warden	25 00
Jas. Corkum	Middle River	do Basin	do	25 00
David Lemon	Lower Gold River	Lower Gold River	do	25 00
John Hutt	Middle Gold River	Beech Hill, Chester	do	25 00
Edward Boylan	Gold River, Upper	New Ross	do	25 00
Jas. Langille	Martin's River	Chester	do	25 00
Hy. S. Jost	Lunenburg County, West Division	Lunenburg	Overseer	100 00
Chas. Pernette	From mouth of Lahave River to Wilkie's Cove	do	Warden	25 00
C. E. Goddard	Wilkie's Cove to Henry Koch's	Bridgewater	do	25 00
Jas. Messman	From Henry Koch's to Knock's	Lunenburg	do	25 00
B. Rothenhiser	Knock's to source of Lahave River	Bridgewater	do	25 00
John Andrews	Mushamush River	Mahone Bay	do	25 00
Geo. A. Nesbitt	Petite River, mouth to Wallace Brook	Petite River	do	25 00
Eli Hebb	Petite River, from Wallace Brook to source	Hebb's Cross, West Conquerall	do	25 00
William Croft	East Gold River, from Bongald's Point to Gold River Branch, thence to Clark's, Clinton's and Henry's Lakes	Chester Basin	do	25 00
	<i>Pictou County.</i>			
Duncan G. McDonald	Pictou County, East Division, including Sutherland's, French and Barney's Rivers, Bailey's Brook and Shore Fishery from Pictou Harbour eastward to County Line	Lismore	Overseer	170 00
William Turner	Barney's River	Barney's River, W.O.	Warden	25 00
Donald McDonald	Sutherland River	New Glasgow	do	25 00
Geo. Foote	French River	French River	do	25 00
Donald McLean	Bailey's Brook	Bailey's Brook, W. O.	do	30 00
Charles Henry	Pictou County, West Division, including Middle, East, West, Cariboo, Toney and John Rivers	River John	Overseer	140 00
Wm. McDonald	French River	French River	Warden	25 00
Peter Campbell	East River	New Glasgow	do	25 00
Alex. Douglas	Middle River	Middle River	do	25 00
Arch'd. Portenos	West River	West River	do	25 00
John McRay	River John	River John	do	25 00
George McKenzie	Cariboo River	Cariboo River	do	25 00
John McDonald	Barney's River, from McDonald's Bridge to Head	Barney's River, W.O.	do	25 00
Samuel Fraser	Grant's Factory to East Branch Lake	Bridgeville	do	25 00
	Carried forward			7,970 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA.—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			7,970 00
	<i>Pictou County—Continued.</i>			
Donald Fraser.....	Fork and West Branch Lake.....	Hopewell.....	Warden...	25 00
Wm. McKenzie.....	East River of St. Mary's and Garden Lake.....	Garden of Eden.....	do ...	20 00
Thomas Frazer.....	East River, from Tide Head to Grant's Factory.....	Island Hopewell.....	do ...	25 00
Edward Cameron.....	East Branch Barney's River, from Sutherland's Marshy Hope to Bar- ney's River.....	Barney's River.....	do ...	25 00
A. C. Pritchard.....	Central Pictou County, including Middle, East and West Rivers.	New Glasgow.....	Overseer...	150 00
	<i>Queen's County.</i>			
Saml. T. N. Sellon.....	Queen's County.....	Liverpool.....	Overseer...	225 00
Theodosius Ford.....	Milton Bridge up to Port Liverpool River.....	Milton.....	Warden...	60 00
Henry Hooker.....	Puddingpan Island to Toby's Island, up Port Medway River to Dog Cove	Port Medway.....	do ...	70 00
John Fitzgerald.....	From Steam Mills to Salter's Falls on Port Medway River.....	Mill Village.....	do ...	70 00
Barnabas Miles.....	Salter's Falls to Pawn Hook, on Port Medway River.....	Greenfield, W.O.....	do ...	30 00
	<i>Richmond County.</i>			
Duncan Cameron.....	Eastern Division, from River Bour- geois to East Boundary of County, including said river.....	St. Peters.....	Overseer...	125 00
John Murchison.....	Grand River.....	Grand River, W.O.....	Warden...	30 00
James Marmeau.....	Western Division, from River Bour- geois to West Boundary of County..	Arichat.....	Overseer...	125 00
P. W. Grouchy.....	Decousse River.....	do.....	Warden...	30 00
John Proctor, sen.....	Inhabitants River.....	Port Hawkesbury.....	do ...	20 00
Abraham Sampson.....	Petit Degrat Inlet.....	Petit Degrat.....	do ...	30 00
Justianian Sampson.....	L'Ardoise.....	L'Ardoise.....	do ...	30 00
Charles Grant.....	River Inhabitants.....	River Inhabitants.....	do ...	20 00
Alex. Smith.....	West Bay, Black River.....	West Bay.....	do ...	30 00
Geo. Donahoe.....	River Moulin.....	River Moulin, Gran- digue Ferry, W.O.....	do ...	30 00
Patrick Kyte.....	River Tier.....	River Tier, St. Peters...	do ...	25 00
Felix Gerroir.....	Grand Ruisseau.....	Grand Ruisseau, Ari- chat.....	do ...	25 00
William Kehoe.....	False Bay and Breen's Brook.....	River Bourgeois, W.O...	do ...	25 00
	<i>Shelburne County.</i>			
Wm. John McGill.....	Shelburne County.....	Shelburne.....	Overseer ..	125 00
M. Greenwood.....	Round Bay River and Indian Brook...	Clyde River, W.O.....	Warden...	20 00
George Archer.....	Birchtown River.....	Shelburne.....	do ...	30 00
Geo. Ryer.....	Roseway River.....	do.....	do ...	50 00
G. A. Holden.....	Jordan River.....	do.....	do ...	50 00
Henry Ackerman.....	Green Harbor.....	Ragged Island, Locke's Island, W. O.....	do ...	20 00
P. Crowell.....	Barrington River.....	Barrington.....	do ...	20 00
	Carried forward.....			9,530 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Brought forward.....				9,530 00
<i>Victoria County.</i>				
J. W. Burke.....	Victoria County, North Division, from Smoky Head to Bay St. Lawrence..	Ingonish.....	Overseer...	120 00
Donald McRae, jun	do South Division.....	Baddeck.....	do ...	120 00
John McLellan....	Middle River	Middle River, W.O., Baddeck.....	Warden....	25 00
Jno. McRae (Rory's Son).....	Middle River, Upper Settlement.....	McLeod, W.O.....	do ...	25 00
Donald McQuarrie	do	Baddeck.....	do ...	25 00
Donald McMillan...	Baddeck River.....	do	do ...	25 00
Donald McAuley...	do	do	do ...	25 00
Hector McKenzie...	North River	North River, W.O.....	do ...	15 00
Donald McRae....	Baddeck River and tributaries.....	Baddeck.....	do ...	25 00
Frs. McGregor....	Entrance of Baddeck River.....	Hunters Mountain, W.O	do ...	25 00
Angus McDonald	Washabuck River.....	Washabuck River.....	do ...	30 00
Kenneth Campbell	Indian Brook	Middle River.....	do ...	30 00
Rodrick Beaton...	Hume's River.....	McNaughton's, W.O....	do ...	30 00
William Foyle....	Peter's Brook	Baddeck River.....	do ...	30 00
John McCharles...	Upper Settlement.....	Middle River.....	do ...	30 00
Donald Buchanan	Barachois River.....	Barachois River.....	do ...	30 00
Malcolm Melvor....	Indian Brook	Indian Brook	do ...	30 00
Jos. Guinn.....	North River	North River.....	do ...	30 00
Geo. Burton.....	Salmon River, Bay St. Lawrence	Bay St. Lawrence, W.O	do ...	30 00
Jos. Hellen.....	Cape North.....	Cape North.....	do ...	30 00
<i>Yarmouth County.</i>				
Enos Gardner.....	Yarmouth County.....	Tusket.....	Overseer...	150 00
J. A. Hatfield.....	From Raynard's Falls to Lower Narrows, Tusket River.....	do	Warden....	50 00
William Kavanagh	Gurrill's Bridge to Coldstream.....	do	do ...	25 00
William Prosser...	Branches of River above Raynard's Falls	do	do ...	25 00
Eustace Nickerson	Salmon River.....	Yarmouth.....	do ...	25 00
Edward Perry.....	Little River.....	do	do ...	25 00
Jerome Doucet....	Tusket River.....	Tusket.....	do ...	30 00
Vital Moise.....	Tusket Forks	Tusket Forks.....	do ...	25 00
Joseph M. White...	Eel Lake	Eel Lake.....	do ...	25 00
Wm. Thurston, sen	Chegoggin River.....	Chegoggin River.....	do ...	25 00
J. Ingraham Braud	Pubnico and Argyle.....	W. Pubnico.....	do ...	25 00
Total.....				10,700 00

PROVINCE OF NEW BRUNSWICK.

W. H. Venning.....	New Brunswick.....	St. John, N.B.....	Inspector Fisheries	1,400 00
O. R. Venning.....	.....	do	Clerk	400 00
<i>Albert County.</i>				
Winthrop Akerly..	County of Albert.....	Harvey.....	Overseer..	100 00
Wallace Taylor....	Petitcodiac River.....	Coverdale.....	Warden....	40 00
Carried forward				1,940 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ est. 1,940 00
	<i>Albert County—Continued.</i>			
G. McLatchey.....	Mouth of Petitcodiac River and Dorchester Bay.....	Hillsboro'.....	Warden...	40 00
Jacob Beck.....	Pollet River.....	Elgin.....	do	30 00
J. E. Kinne.....	Germantown Lake and Shepody River.....	Hopewell Corner.....	do	40 00
Bartlet Oliver.....	Rocher Bay.....	Waterside.....	do	40 00
	<i>Carleton County.</i>			
W. B. Mills.....	Miramichi River (S. W.) from Head Waters to Forks.....	Foreston.....	Overseer...	150 00
Geo. R. Burt.....	St. John River and tributaries, from Long's Creek to Tobique River.....	Upper Woodstock.....	do	100 00
J. W. Scott.....	St. John River, from Bel River to Woodstock.....	Canterbury.....	Warden...	30 00
	<i>Charlotte County.</i>			
B. L. Cunningham.....	Inner Bay of Passamaquoddy.....	Chamcook, W.O.....	Overseer...	70 00
James Brown.....	Campo Bello and West Isles, with coasts and streams in Charlotte Co.	Campo Bello.....	do	100 00
Frank Todd.....	St. Croix River and tributaries.....	St. Stephen.....	do	120 00
W. B. McLaughlin.....	Grand Manan Island and spawning grounds.....	Grand Manan.....	do	*240 00
Samuel Dick.....	St. George to Beaver Harbour.....	La Tête, W. O.....	Warden...	30 00
Robert Dixon.....	Seeley's Cove to Lepreaux.....	Lepreaux.....	do	30 00
Leonard Best.....	East District, from La Tête to Lepreaux.....	Beaver Harbour, W. O.....	Overseer...	100 00
J. M. Lord.....	Deer Island.....	Deer Island.....	do	70 00
James Russell.....	From St. Andrews to mouth of St. Croix River.....	St. Andrews.....	Warden...	30 00
Andrew Gilmour.....	Northern Head, Grand Manan.....	Grand Manan.....	do	30 00
Edward Carroll.....	Whitehead Island.....	do	do	30 00
John Thomson.....	West side, Deer Island.....	Deer Island.....	do	30 00
	<i>Gloucester County.</i>			
James Hickson.....	River Nepissiguit and tributaries, with sea coast and streams from Belle-dune River to Grindstone Point.....	Bathurst.....	Overseer...	250 00
William Bateman.....	Nepissiguit River.....	do	Warden...	50 00
Juste Haché.....	Oyster beds in County, Caraquet and Shippegan.....	Caraquet.....	Overseer...	100 00
Justinien Savoy.....	Tracadie.....	Tracadie, W. O.....	Warden...	30 00
John L. Veno.....	Pokemouche.....	Pokemouche.....	do	30 00
Frederic Comeau.....	Petit Rocher, from Belledune to Mill Stream.....	Elm Tree, Madiscon.....	do	40 00
Miles Dempsey.....	Salmon Beach, from Bass River to Grindstone Point.....	Salmon Beach.....	do	30 00
Tim. Coughlan.....	Grindstone Point to Grande Anse.....	Grande Anse.....	do	30 00
	Carried forward.....			3,810 00

*Includes boat hire.

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NEW BRUNSWICK.—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 3,810 00
<i>Gloucester County—Continued.</i>				
Adolphe Haché...	Shippegan	Shippegan	Warden....	30 00
W. Rogers.....	Tête-à-gauche River.....	Tête-à-gauche, Bathurst	do ...	25 00
John Calnan, jun..	That part of River Tête-à-gauche from a mile above the Mill Dam to the source of said River.....	Kinsale.....	do ...	25 00
Alexis Landry, jun	Pokemouche River.....	Pokemouche	Overseer...	50 00
Augustin Cormier.	Caraquet Herring Banks.....	Caraquet.....	do ...	50 00
Joseph Poirier.....	Bay Chaleur, between Grand Anse and Point Mizzenette.....	Grande Anse	do ...	50 00
<i>Kent County.</i>				
Charles Cormier...	Cocagne River.....	Cocagne.....	Overseer...	100 00
J. McD. Sutherland	Richibucto River.....	Richibucto.....	do ...	75 00
F. B. Légaré.....	Little Buctouche River.....	Little Buctouche River	Warden....	30 00
M. A. Girouard.....	Big do	Buctouche	Overseer...	75 00
James Harnett.....	From the mouth of Nicholas River, on the Richibucto, upwards, including Nicholas River.....	Weldford	Warden....	30 00
Lazare Guimon.....	From Kouchibouquacis to Chockfish River.....	Kouchibouquacis.....	do ...	75 00
Nicholas Muzzeroll	From Kouchibouquacis River to Point Sapin.....	do	do ...	50 00
A. L. Collet	Buctouche Bay	Buctouche.....	do ...	30 00
<i>King's County.</i>				
Samuel Gosline ...	From mouth of Smith's Creek upwards.....	Smith's Creek, W.O....	Overseer...	100 00
Samuel F. Ryan...	Mill Stream	Studholm, Apohaqui...	Warden....	30 00
James A. Belyea...	St John River and Belle Isle Bay and streams running thereinto.	Westfield.....	Overseer...	50 00
Samuel Gamblin...	Washademoak Lake and its tributaries in King's and Queen's Counties	English Settlement, Pearson's, W.O.....	Warden....	30 00
<i>Northumberland County.</i>				
Prudent Robichaux	Burnt Church River and tributaries, and Upper Tabusintac.....	Upper Neguac	Overseer...	100 00
John Stymast.....	Lower Tabusintac River.....	Stymast Road, Neguac.	Warden....	50 00
William Wyse	Herring fisheries, Miramichi Bay, and Bass fishing in Napan Bay and Black Rivers.....	Chatham.....	Overseer...	200 00
Chris. Parker.....	Miramichi River and tributaries, from Beaubair's Island to Blackville.....	Newcastle	do ...	160 00
Samuel Holt	From lower line of Blackville to Blissfield .....	.....	do ...	160 00
John Hogan	Miramichi River (N.W.) and tributaries, from Chatham Ferry upwards.....	Newcastle.....	do ...	400 00
Aaron Hovey.....	Miramichi River, (S.W.) and tributaries, from Nelson's to Head of Hovey Island.....	Boiestown.....	Warden....	30 00
	Carried forward.....			5,815 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued*

PROVINCE OF NEW BRUNSWICK—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
Brought forward.....				\$ c's. 5,815 00
<i>Northumberland County—Concluded.</i>				
George Bryanton..	From Elm Tree Brook to Squire Underhill's, on the S. W. Miramichi River.	Derby, W.O.....	Warden ...	30 00
Kenneth Cameron.	Miramichi River (S. W.), from line of Blissfield to the head waters and tributaries.....	Boiestown	Overseer...	100 00
Patrick Bergin.....	From Underhill's to Stephen Mitchell's, on S.W. Miramichi.....	Dumpey, W.O., Parish of Blackville, S.W. Miramichi.....	Warden ...	30 00
Thomas Smith	From lower end of Fingley's Island, on N.W. Miramichi, upwards, and the Big Sevogle.....	North Esk, Red Bank, W.O.....	do ..	30 00
Jared Blackmore...	From lower side of Ox Bow, on the Little South West, upwards.....	do do ..	Overseer...	50 00
Patrick Gillis.....	Little S.W. River and tributaries.....	do do ..	Warden	30 00
Denis Hogan.....	Renous River and tributaries.....	Renous Bridge, W.O.	do	30 00
Michael Donovan...	Renous River.....	Renous Bridge.....	do	18 00
Henry Oldfield.....	Big Sevogle to Square Forks.....	do	do	30 00
F. McDairmaid.....	Napan and Black Rivers and tributaries.....	Napan, W.O., Chatham.....	do	30 00
John Williston.....	Bay du Vin River and Bay, with Parish of Hardwick, Fox and other Islands and Stations on South side of Main Channel Miramichi River.....	Bay du Vin, W.O.	Overseer...	100 00
James Russell.....	Miramichi Bay and Feeders.....	Lower Newcastle.....	do	150 00
Thomas Taylor.....	South West Miramichi, within Parish of Blissfield.....	Blissfield	Warden....	50 00
Samuel Freeze.....	From Doaktown to Hovey Islands, in the Parish of Blissfield, on the South West Miramichi River.....	Doaktown, Miramichi..	Overseer...	100 00
Daniel Mathews.....	From lower side of Ox Bow, on Little South West Miramichi, upwards.....	Little S.W. Miramichi River.....	Warden....	30 00
Nat. Morehouse.....	Arbo Settlement, Parish of Blackville, South West Miramichi.....	Arbo Settlement.....	do	30 00
J. T. Coughlan.....	Coughlan Settlement, Parish of Blackville, South West Miramichi.....	Coughlan Settlement..	do	30 00
John Doyle.....	Tabusintac and Bartibog Rivers.....	Bartibog	do	30 00
Peter Russell.....	Whitney Settlement, N.W. Miramichi	Whitney Settlement....	do	30 00
John Blake.....	Miramichi River and tributaries from Point aux Carr to Middle Island. ...	Black Brook.....	do	70 00
Angus McIntosh...	Miramichi River and tributaries, from Middle Island to Newcastle Ferry...	Chatham Head... ..	do	30 00
Tubal Watling	Black River and tributaries in the Parish of Glenelg.....	Black River.....	do ..	30 00
Samuel Kingston...	Upper waters N.W. Miramichi River, from Rolphs Crossing, upwards.....	.....	do	50 00
Robert Keating.....	N.W. Miramichi River and tributaries, from McKay's Flats to North West Bridge.....	North Esk.....	do	30 00
Jas. Fitzpatrick....	Black River.....	Napan.....	do	30 00
Carried forward.....				6,883 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 6,983 00
	<i>Queen's County.</i>			
Issiah Langan.....	Salmon River.....	Chipman, W.O., Gas- pereaux.....	Warden....	30 00
John Secord.....	Canaan River.....	Longs' Creek, Johnston	do ...	30 00
I. T. Hetherington.	From Cole's Island to foot of Washademoak Lake.....	Jenkins, W.O. Johnston	Overseer...	100 00
Robert Philips.....	Headwaters, Washademoak Lake.....		Warden....	25 00
	<i>Restigouche County.</i>			
E. Ferguson.....	Little Dune River to Morris Rock.....	Dalhousie.....	Overseer...	100 00
A. McPherson, jun	Charlo River.....	Charlo, W.O.....	Warden ...	25 00
J. McMillan.....	Jacquet River.....	River Louison, W.O.....	do ...	25 00
Dugald Carmichael	do from mouth to Kettle Hole	do	do ...	25 00
John Mowat.....	That part of Bay des Chaleurs fronting on the County of Restigouche and extending from Belledune Point upwards to Campbellton; together with the Rivers Restigouche, Upsalquitch, Eel, Charlot, Jacquet and their tributaries.....	Dee Side, P.Q.....	Overseer...	
	<i>Sunbury County.</i>			
G. W. Hoben.....	St. John River, Indiantown, to County line of York.....	Burton, W O.....	Overseer...	100 00
W. E. Taylor.....		Sheffield.....	Warden ...	31 00
	<i>St. John County.</i>			
Joseph O'Brien.....	St. John County.....	Carleton, St. John.....	Overseer...	150 00
Wm. E. Skillen.....	Eastern part of St. John County, from Quaco Head to Goose River.....	St. Martins.....	do ...	100 00
	<i>Victoria County.</i>			
C McClusky.....	County of Victoria.....	Grand Falls.....	Overseer...	100 00
Chas. Roberts.....	Lower Division, Tobique River.....	Andover.....	Warden ...	30 00
Jno. McDougall.....	Three Brooks, branch of Tobique River.....	Rocky Brook, Parish of Lorne.....	do ...	30 00
Jno. C. McGloskey	Salmon River.....	Andover.....	do ...	30 00
Donald Fraser.....	Tobique River.....	Arthurette, W O.....	do ...	30 00
Thos. Edgar.....	Middle Division, Tobique River.....	Three Rivers.....	do ...	30 00
Edward Maloney.....	Upper Division do.....	Tobique River, Parish of Lorne.....	do ...	30 00
	<i>Westmoreland County.</i>			
W. B. Deacon.....	Shediac Harbour and River.....	Shediac.....	Overseer..	100 00
D. T. Cormier.....	Dorchester Bay.....	Gautreau Village.....	do ...	60 00
Hugh Davidson.....	Bay Verte, Port Elgin and Tidnish Rivers.....	Bay Verte.....	do ...	100 00
	Carried forward.....			8,263 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 8,263 00
	<i>York County.</i>			
Robert Orr.....	County of York.....	Fredericton.....	Overseer..	150 00
J. Campbell.....	Grand Pass, on St. John River, upwards from Crock's Point to Lower Line of York County, including Nashwaak River.....	Kingsclear, W.O., Fredericton.....	Warden ...	60 00
Wm. Brown.....	St. John River, from Upper Line of York County to Crock's Point, on River St. John.....	Southampton.....	do ...	60 00
A. Moir.....	From Price's Bend to Burnt Hill, S. W. Miramichi.....	Bloomfield.....	do ...	30 00
	Total.....			8,563 00

PROVINCE OF PRINCE EDWARD ISLAND.

J. Hunter Duvar...	Prince Edward Island.....	Alberton.....	Inspector of Fisheries.....	800 00
	<i>Queen's County.</i>			
Michael Ready.....	Winter River.....		Warden...	30 00
Lionel Garnam.....	do		do ...	30 00
John McMillan.....	Vernon River.....		do ...	30 00
Chas. Stephenson.....	New Glasgow.....		do ...	30 00
James Power.....	Huntley and Wheatley Rivers.....		do ...	30 00
Jonathan Delaney.....	New London.....		do ...	30 00
John Mathieson.....	Bonshaw, from Appin Road to Dog River and from South Wiltshire Road to the Coast.....	West River.....	do ...	30 00
Finlay Mackenzie.....	Lots 60 and 62.....	Pinette River.....	do ...	30 00
Francis Stanley.....	Charlottetown, including East, West and North Rivers.....	Charlottetown.....	do ...	30 00
Wm. Whitehead.....	South West River.....		do ...	30 00
Thomas Murphy.....	Trout River.....		do ...	30 00
	<i>Prince County.</i>			
James T. Reid.....	Miminigash.....	Miminigash.....	Warden...	30 00
James Ramsay.....	Lot 13, Trout River.....	Lot 13.....	do ...	30 00
Hugh McIntosh.....	Lot 14 do	Lot 14.....	do ...	30 00
Abraham Wall.....	Dunk River, Lot 25.....	Lot 25.....	do ...	30 00
Patrick McBride.....	do do	do	do ...	30 00
William Burns.....	do do	do	do ...	30 00
Laurence Phee.....	Nail Pond and Skinner's Pond.....	Nail Pond.....	do ...	30 00
John Beaton.....	Lots 5, 6 and 10.....	Lot 10.....	do ...	30 00
Geo. A. Sharpe.....	Lot 12, on the Narrows.....	Lot 12.....	do ...	30 00
	Carried forward.....			1,400 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF PRINCE EDWARD ISLAND.—*Concluded.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 1,400 00
	<i>Prince County—Concluded.</i>			
Patrick Delaney...	Summerside, including Bedeque Bay and South part of Richmond Bay...		Warden...	30 00
John Chaisson (Chapel).....	Tignish, from line of lot No. 2, northward, to include Little and Big Tignish, and westward to Railway..	Tignish.	do ...	30 00
Peter Aylward.....	Skinner's Pond, southward, from south end of Nail Pond to Black Pond, inclusive, and East to Railway...	do	do ...	30 00
Alex. McDonald ...	Casumpeque Bay and Inlet, from the Narrows to Kildare Capes.....	Alberton.....	do ...	30 00
Thos. Drummond..	Dunk River.....	Freetown.....	do ...	30 00
	<i>King's County.</i>			
Andrew Whelan...	Souris River	Souris River.....	Warden...	30 00
Allan McDonald ...	North Lake.....	North Lake.....	do ...	30 00
Malcolm Mathewson.....	Grand River.....	Grand River.....	do ...	30 00
Edmund Aitken....	Bay Fortune River.....	Bay Fortune River.....	do ...	30 00
John McDonald.....	Naufrage River.....	Naufrage River.....	do ...	30 00
Daniel Reilly.....	Montague, from Georgetown Road to Whim Road, and from County Line to the Coast.....	Montagne River	do ...	30 00
John Lowe.....	Murray Harbour and River, including Lots 63 and 64.....	Murray Harbour	do ...	30 00
Peter Duffy.....	St. Peter's and Morell	do	do ...	30 00
James Mitchell.....	First District of Morell.	Peake's Road.....	do ...	30 00
John O'Brien.....	Second do	Morell River.....	do ...	30 00
Pat McCullough...	Third do	Peake's Road.....	do ...	30 00
J. H. Dingwell.....	Fourth do	Morell River.....	do ...	30 00
	Total			1,910 00

PROVINCE OF BRITISH COLUMBIA.

Alex. C. Anderson	British Columbia.....	Victoria.....	Inspector Fisheries..	600 00
Geo. Pettendreigh	do	New Westminster.....	Overseer...	500 00
	Total.....			1,100 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

RECAPITULATION.

Samuel Wilmot, Superintendent Fish-Breeding Establishments in the Dominion.....	2,000 00
Ontario.....	6,305 00
Quebec.....	6,415 00
Nova Scotia.....	10,700 00
New Brunswick.....	8,563 00
Prince Edward Island.....	1,910 00
British Columbia.....	1,100 00
Total.....	36,993 00

JAMES C. POPE,
Minister of Marine and Fisheries.

(Certified.)

W. F. WHITCHER,
Commissioner of Fisheries.

APPENDIX No. 30.

STATEMENT of Expenditure on account of Fisheries, for the Fiscal Year ended 30th June, 1879.

To whom paid.	Service.	Amount.	Total.
ONTARIO.		\$ cts.	
J. W. Kerr.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	500 00	
Chas. Gilchrist.....	do do.....	400 00	
Chas. L. Bingham.....	do do.....	250 00	
James Patton.....	do do.....	250 00	
George Cochrane.....	do do.....	250 00	
Peter Kiel.....	do do.....	200 00	
E. Boismier.....	do do.....	200 00	
D. McMaster.....	do do.....	200 00	
Chas. Wilkins.....	do do.....	200 00	
John Mooney.....	do do.....	200 00	
P. McCann.....	do do.....	200 00	
Alfred Knight.....	do do.....	150 00	
W. E. Foot.....	do do.....	125 00	
A. C. McKinnon.....	do do.....	100 00	
Jos Wilson.....	do do.....	100 00	
G. S. Miller.....	do do.....	100 00	
G. B. Abrey.....	do do.....	100 00	
James Muir.....	do do.....	100 00	
Henry Lawe.....	do do.....	100 00	
Samuel Frazer.....	do do.....	100 00	
James Dickson.....	do do.....	100 00	
J. Wallace.....	do do.....	50 00	
J. D. McMillan.....	do do.....	50 00	
A. J. Harrington.....	do do.....	50 00	
J. McAllister.....	do do.....	50 00	
J. G. Wileox.....	do do.....	50 00	
Alex. McBride.....	do do.....	50 00	
Andrew Hughson.....	do do.....	50 00	
Alex. McKenzie.....	do do.....	50 00	
Andrew Telfer.....	do do.....	50 00	
Timothy McQueen.....	do do.....	50 00	
James Cummins.....	do do.....	50 00	
William McGown.....	do do.....	50 00	
J. A. Cameron.....	do do.....	50 00	
Wellington Hull.....	do do.....	50 00	
Wm. Hastings.....	do do.....	50 00	
Angus Brady.....	do do.....	40 00	
James McFadden.....	do do.....	30 00	
W. D. Pollock.....	do do.....	30 00	
Wm. Prosser.....	do do.....	30 00	
M. L. Russell.....	do do.....	25 00	
Henry Hunt.....	do do.....	20 00	
Thos. Cartier.....	do do.....	20 00	
Carried forward.....		4,870 00	

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
Brought forward.....		\$ 4,870	cts. 00
ONTARIO—Continued			
F. McRae.....	For 9 months and 9 days salary.....	116	20
J. Sutherland.....	15 do 23 do	131	29
W. Plews.....	9 do 12 do	78	28
D. Conger.....	9 do 12 do	78	28
John Lyon.....	10 do 17 do	67	62
Abraham Welbanks.....	9 do 12 do	58	71
Wesley Hicks.....	9 do 12 do	58	71
J. McGregor.....	9 do 5 do	57	27
D. Hamilton.....	9 do 18 do	39	96
H. Thompson.....	9 do 17 do	39	82
P. Huff.....	9 do 12 do	39	14
J. L. Thompson.....	9 do 17 do	39	58
E. Ketchum.....	9 do 12 do	39	14
J. G. Hicks.....	4 months salary.....	33	33
John McMichael.....	6 do to 31st December, 1878.....	25	00
H. McFayden.....	do do	20	00
D. Bowen.....	do do	50	00
Robt. Watt.....	do do	50	00
J. Morrow.....	do do	12	50
Jos. Redmond.....	3 months salary as Fishery Overseer, to 30th June, 1879.....	75	00
J. R. Graham.....	do do	25	00
Robt. Bell.....	do do	18	75
C. W. Raymond.....	do do	12	50
Wm. Pool.....	do do	12	50
W. H. Johnston.....	do do	12	50
A. E. Mills.....	do do	12	50
E. Deacon.....	do do	12	50
Wm. Hicks.....	do do	10	00
James Greer.....	do do	10	00
P. McCarron.....	2 do do	16	66
J. R. McDonald.....	do do	8	33
Terence McGarrity.....	2 months and 4 days salary.....	8	88
J. S. Webster.....	Salary as Special Fishery Constable.....	368	00
Wm. Fahey.....	do Special Guardian, Constant Bay and Creek	93	00
Archibald Boyd.....	do Special Guardian, Long Island.....	10	00
Thos. Harris.....	do do Credit River.....	20	00
Jas. Moon.....	do do Highland Creek... ..	10	00
Henry Moon.....	do do Rouge Creek.....	25	00
J. Proudfoot.....	do do Lyon Creek.....	20	00
J. Gordon.....	do do Duffin's Creek.....	50	00
W. D. Gordon.....	do do	40	00
C. Gilchrist.....	For 12 months disbursements as Fishery Overseer, to 30th June, 1879	748	60
J. W. Kerr.....	do do	475	58
J. Wilson.....	do do	362	00
Chas. Wilkins.....	do do	317	00
B. Frazer.....	do do	266	65
Jas. Patton.....	do do	248	50
C. L. Bingham.....	do do	178	00
John Mooney.....	do do	115	10
Geo. Cochrane.....	do do	107	30
Peter McCann.....	do do	101	86
A. J. Harrington.....	do do	94	25
Robert Watt.....	do do	91	10
A. C. McKinnon.....	do do	89	50
Carried forward.....		9,971	89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward	9,971 89	
	ONTARIO—Concluded.		
Peter Kiel.....	For 12 months' disbursements as Fishery Overseer, to 30th June, 1879.....	85 50	
E. Boismier.....	do do	85 00	
James Dickson.....	do do	82 50	
W. E. Foot.....	do do	75 34	
D. Hamilton.....	do do	52 40	
F. McRae.....	do do	48 50	
John Wallace.....	do do	45 00	
Alex. McKenzie.....	do do	39 33	
G. S. Miller.....	do do	38 75	
J. L. Thompson.....	do do	37 75	
J. McAllister.....	do do	31 25	
Wesley Hicks.....	do do	27 00	
Wm. Plews.....	do do	24 00	
John McGregor.....	do do	21 75	
H. Lawe.....	do do	21 00	
H. Hunt.....	do do	14 00	
A. Telfer.....	do do	15 20	
T. Cartier.....	do do	13 75	
Jas. Muir.....	do do	12 60	
A. Knight.....	do do	10 25	
J. D. McMillan.....	do do	10 60	
T. McQueen.....	do do	11 00	
P. Huff.....	do do	10 00	
W. Hastings.....	do do	8 80	
E. Ketchum.....	do do	6 00	
M. L. Russell.....	do do	8 40	
D. Bowen.....	do do	2 75	
John Bangs.....	Disbursements as Special Fishery Guardian, to 30th June, 1879.....	335 29	
C. Barbeau.....	do do	131 45	
J. Webster.....	do do	101 25	
J. Grimes.....	do do	97 85	
J. Pearce.....	do do	69 25	
J. Daley.....	do do	35 00	
Jas. Hughes.....	do do	33 90	
W. Fahey.....	do do	43 50	
J. O'Brien.....	do do	28 00	
N. Morrison.....	do do	27 40	
J. Purcell.....	do do	8 00	
D. McRae.....	Repairs to boat.....	20 20	
			11,741 40
	QUEBEC.		
J. Mowat.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	300 00	
C. Caron.....	do do	200 00	
H. W. Austin.....	do do	200 00	
R. W. H. Dimock.....	do do	200 00	
P. Vibert.....	do do	200 00	
W. C. Willis.....	do do	150 00	
J. O. Bélanger.....	do do	150 00	
P. C. Gobeil.....	do do	150 00	
G. Mathurin.....	do do	150 00	
J. B. Couillard.....	do do	150 00	
	Carried forward.....	1,850 00	

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	otal.
		\$ cts.	\$ cts.
	Brought forward.....	1,850 00	
QUÉBEC—Continued.			
Jules Gauvreau.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	100 00	
Vital Charest.....	do do.....	100 00	
Alfred Blais.....	do do.....	100 00	
J. J. Letourneau.....	do do.....	100 00	
L. P. Huot.....	do do.....	100 00	
Jean Legouvé.....	do do.....	100 00	
D. B. McGie.....	do do.....	100 00	
W. H. Whitely.....	do do.....	100 00	
S. F. Copp.....	do do.....	100 00	
J. B. Chevalier.....	do do.....	100 00	
P. Latraverse.....	do do.....	100 00	
M. Laurendeau.....	do do.....	100 00	
L. J. Loranger.....	do do.....	100 00	
Herm. Martin.....	do do.....	100 00	
W. McLeod.....	do do.....	100 00	
L. E. Grondin.....	do do.....	100 00	
John Phelan.....	do do.....	50 00	
J. E. Demeule.....	do do.....	50 00	
Job Bilodeau.....	do do.....	50 00	
J. J. Fox.....	do do.....	50 00	
P. E. Luke.....	do do.....	50 00	
Wm. Clyde.....	do do.....	50 00	
Andrew Watt.....	do do.....	50 00	
Jos. Boily.....	do do.....	50 00	
Jos. Simard.....	do do.....	40 00	
J. B. Gerin Lajoie.....	do do.....	40 00	
Olivier Lefléche.....	do do.....	40 00	
E. Tremblay.....	do do.....	30 00	
Geo. Gagnon.....	do do.....	30 00	
Cyrille Dubé.....	do do.....	30 00	
A. Fillion.....	do do.....	30 00	
Alex. Beaton.....	do do.....	30 00	
Thos. Evans.....	do do.....	30 00	
G. L. Duguay.....	9 months' salary as Fishery Overseer, to 31st March, 1879.....	112 50	
Duncan Dewar.....	do do.....	22 50	
T. E. Saucier.....	6 months' salary as Fishery Overseer, from September, 1878, to March, 1879.....	75 00	
J. Girard.....	do do.....	50 00	
D. Rosa.....	6 months' salary as Fishery Overseer, to 31st December, 1878.....	25 00	
E. Chaurette.....	do do.....	25 00	
John Morris.....	3 months' salary as Fishery Overseer, to 30th June, 1879.....	50 00	
T. Mignault.....	do do.....	37 50	
Jos. Landry.....	do do.....	25 00	
R. W. Jones.....	do do.....	10 00	
J. J. Lafoireux.....	do do.....	10 00	
V. Veiloux.....	do do.....	10 00	
J. B. McDonald.....	2 do do.....	16 66	
Romu and Maltais.....	do do.....	4 16	
Chas. Potvin.....	do do.....	4 16	
J. F. Picotin.....	do do.....	2 08	
D. Bédard.....	Wages as Local Fishery Guardian, Fish Bay.....	85 00	
A. H. N. Bruce.....	do do Lake Megantic.....	70 83	
Thos. Gagnon.....	do do Anticosti.....	60 00	
	Carried forward.....	4,845 39	

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 4,845 39	\$ cts.
QUEBEC—Continued.			
A. Malouin.....	Wages as Local Fishery Guardian, Anticosti..	60 00	
Alex. Wilson.....	do do Clarendon.....	20 00	
Dorilas Tremblay.....	do do Portneuf River...	10 00	
Benjamin Chambers.....	do do St. John River...	180 00	
C. F. Jeune.....	do do Romaine River...	64 00	
E. Doyle.....	do do do	64 00	
Alex. Mowat.....	do do Tide Head, Restigouche River..	150 00	
Robt. Pollock.....	do do Main Rest. Riv...	150 00	
John Campbell.....	do do Kedgewick Riv...	125 00	
Thos. Moors.....	do do Rest. River.....	120 00	
A. Kerr.....	do do Nouvelle River...	50 00	
D. Brown.....	do do Escumeneac Riv...	50 00	
Jos. Simard.....	do as Assistant Guardian, Grand Lac Nairne.....	7 80	
H. G. Patterson.....	do as Guardian, St. John River.....	132 75	
A. Fairbairn.....	do do Gatineau Lakes.....	37 50	
Thos. McCallum.....	do as Local Guardian, Barachois River...	25 00	
John Davis, jun.....	do do St. John River.....	50 00	
Jos. Eden, jun.....	do do South West River..	25 00	
J. S. Webster.....	Salary as Special Fishery Constable.....	362 00	
U. Barbeau.....	Wages as Fishery Guardian, Ottawa River.....	186 00	
P. Stephens.....	do do L. Memphremagog.....	102 00	
E. Vallée.....	do do do	76 50	
Joseph Radford.....	12 months' disbursements as Fishery Overseer, to 30th June, 1879.....	802 06	
John Mowat.....	do do	549 30	
P. Vibert.....	do do	559 84	
S. F. Copp.....	do do	239 00	
W. C. Willis.....	do do	213 70	
F. C. Caron.....	do do	169 25	
L. E. Grondin.....	do do	166 50	
Daniel Rosa.....	do do	153 08	
Jules Gauvreau.....	do do	112 61	
V. Charest.....	do do	106 10	
G. Mathurin.....	do do	127 50	
D. B. McGie.....	do do	119 83	
G. L. Duguay.....	do do	110 50	
P. E. Luke.....	do do	73 09	
Alex. Beaton.....	do do	60 00	
H. W. Austin.....	do do	59 15	
J. B. Chevalier.....	do do	51 75	
Oliver Lafèche.....	do do	50 00	
T. E. Saucier.....	do do	50 00	
Jos. Reily.....	do do	42 00	
John Phelan.....	do do	30 00	
J. O. Bélanger.....	do do	112 35	
Wm. McLeod.....	do do	78 50	
J. B. Couillard.....	do do	97 00	
R. W. H. Dimock.....	do do	92 74	
H. Martin.....	do do	97 50	
J. E. Demeule.....	do do	28 00	
Job Bilodeau.....	do do	26 00	
Jacques Girard.....	do do	100 00	
J. F. Saillant.....	do do	175 82	
And. Watt.....	do do	20 50	
P. Latraverse.....	do do	25 00	
	Carried forward.....	11,591 41	.....

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....	11,591 41	.....
QUEBEC—Concluded.			
John Morris.....	For 12 months' disbursements as Fishery Overseer, to 30th June, 1879.	75 65	
J. J. Letourneau.....	do do	57 67	
J. J. Fox.....	do do	48 00	
Thos. Evans.....	do do	13 15	
P. C. Gobiell.....	do do	144 81	
Jean Legouvé.....	do do	104 00	
Duncan Dewar.....	do do	12 14	
Wm. Clyde.....	do do	16 00	
G. P. Huot.....	do do	9 89	
W. F. Whitcher.....	Disbursements as Commissioner of Fisheries.....	200 00	
S. P. Bauset.....	do Assist. do	60 00	
Cyrille Barbeau.....	Disbursements as Special Fishery Constable, to 30th June, 1879.....	391 74	
A. Fairbairn.....	do do	140 35	
J. S. Webster.....	do do	112 00	
David Bédard.....	do do	70 00	
André Eschemback.....	do do	59 70	
Jas. Pearce.....	do do	54 00	
James Hughes.....	do do	28 00	
G. R. Barbeau.....	do do	25 00	
Pat. Mullin.....	do do	21 00	
C. Laframboise.....	do do	20 00	
Leon Carpentier.....	To pay claims for fishing privileges at Fish Bay.....	110 00	
David Bédard.....	do do	100 00	
Arch. Campbell.....	To pay for leases of lots comprising Government Fish-Breeding Ponds at Campbell's Bay.....	60 00	
Jules Taché.....	Compiling Map of Bay Chaleur Fishing Stations ...	20 00	
E. Roy.....	Professional services in suit for violation of Fishery Laws against P. Vardon	20 00	
J. O. Archambault.....	Drawing an registering deeds, Campbell's Bay.....	15 05	
J. Girard.....	Building shanty for Guardian R. Amars.....	14 50	
A. Fairbairn.....	Cancee for use of Gatineau Fishery Guardian.....	12 00	
	Total.....		13,606 06
NOVA SCOTIA.			
SALARIES OF FISHERY OVERSEERS AND WARDENS.			
<i>County of Annapolis.</i>			
W. T. Carty.....	12 months' salary, to 30th June, 1879.....	120 00	
Thos. Devers.....	do do	25 00	
Miner Clark.....	do do	25 09	
J. H. Pineo.....	do do	25 00	
Chas. Barteau.....	do do	25 00	
J. B. Dobson.....	do do	25 00	
A. F. Morton.....	do do	25 00	
J. H. Parker.....	do do	25 00	
Geo. Vroom.....	2 do do	4 17	
			299 17
	Carried forward.....		299 17

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward			299 17
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
County of Antigonish.			
A. W. McDonald.....	12 months' salary, to 30th June, 1879	125 00	
Angus McDonald.....	do do	25 00	
J. R. Aymer.....	do do	25 00	
Albert Randall.....	do do	15 00	
Colin Chisholm.....	do do	25 00	
Lochlin Cameron.....	do do	30 00	
James Cumming.....	do do	20 00	
John Dexter.....	do do	30 00	
Donald Chisholm.....	do do	25 00	
Alex. McAdam.....	do do	25 00	
Hugh Cameron.....	do do	25 00	
Duncan Frazer.....	do do	20 00	
James Chisholm.....	do do	25 00	
James McDougald.....	do do	25 00	
			440 00
County of Cape Breton.			
Francis Quinan.....	12 months' salary, to 30th June, 1879.....	120 00	
Anthony Spencer.....	do do	25 00	
J. McEachen.....	do do	25 00	
Thomas Moore.....	do do	20 00	
Donald McDonald.....	do do	20 00	
Alex. McLean.....	do do	20 00	
Alex. McDonald.....	do do	120 00	
Angus Morrison.....	do do	25 00	
Denis Murphy.....	do do	25 00	
Donald McDonald.....	do do	25 00	
M. McEellan.....	do do	25 00	
Patrick Keefe.....	do do	25 00	
Donald McCormack.....	do do	25 00	
John McNeil.....	do do	25 00	
Wm. Burke.....	do do	25 00	
Allan McAdam.....	do do	25 00	
York Barrington.....	do do	120 00	
			695 00
County of Colchester.			
Samuel Frame.....	12 months' salary, to 30th June, 1879.....	25 00	
R. J. Pollock.....	do do	75 00	
G. Fulton.....	do do	25 00	
James Bonyman.....	do do	40 00	
J. W. Davidson.....	do do	100 00	
J. Urquhart.....	do do	50 00	
Wm. McElheney.....	do do	25 00	
Henry Urquhart.....	do do	25 00	
Thos. Davidson 2nd.....	do do	25 00	
Carried forward.....		390 00	1,434 17

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.	
		\$ cts.	\$ cts.	
Brought forward.....		390 00	1,434 17	
NOVA SCOTIA—Continued.				
SALARIES, ETC.—Continued.				
County of Colchester—Concluded.				
Geo. Moore	12 months' salary, to 30th June, 1879.....	25 00	633 75	
M. G. Murray.....	do do do	25 00		
Wm. Winton.....	do do do	25 00		
Alfred Wright.....	do do do	25 00		
G. N. Christie.....	6 months' do to 31st December, 1879.....	12 50		
Henry Blair.....	3 months' do to 30th June, 1879	25 00		
Timothy Johnston	do do do	6 25		
County of Cumberland.				
Isaac J. Hingley.....	12 months' salary, to 30th June, 1879.....	100 00	460 00	
Oliver Fillmore.....	do do do	25 00		
J. W. Moore.....	do do do	25 00		
J. Brownell.....	do do do	25 00		
Aaa Fillmore.....	do do do	25 00		
James King	do do do	100 00		
David Corbett.....	do do do	25 00		
Moses Harrison.....	do do do	25 00		
F. L. Jenks	do do do	25 00		
Elijah Fowler.....	do do do	30 00		
Collingwood Pugsiey.....	do do do	25 00		
Henry Fountain.....	do do do	30 00		
County of Digby.				
J. H. Morehouse.....	For 12 months' salary, to 30th June, 1879.....	120 00		370 00
A. L. Gavit	do do do	25 00		
J. M. Devault	do do do	25 00		
Lochlin McKay.....	do do do	25 00		
Robert Journey.....	do do do	25 00		
J. P. Thibodeau.....	do do do	25 00		
H. E. Payson.....	do do do	50 00		
L. A. Melancon.....	do do do	75 00		
County of Guysborough.				
James A. Tory.....	For 12 months' salary, to 30th June, 1879.....	150 00	370 00	
James Cook	do do do	25 00		
James Cabill.....	do do do	20 00		
Charles Kenney.....	do do do	15 00		
Donald Gunn	do do do	30 00		
Wm. Pride.....	do do do	30 00		
Carried forward.....		270 00	2,797 92	

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward,.....	\$ cts. 270 00	\$ cts. 2,797 92
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Guysborough—Concluded.</i>			
Edward Jordan.....	For 12 months' salary, to 30th June, 1879.	30 00	
Robert McKay.....	do do	15 00	
J. R. Bruce.....	do do	10 00	
James Nickerson,	do do	15 00	
Allan McQuarrie,	do do	40 00	
John McDaniel.....	do do	100 00	
Adam Kirk.....	do do	30 00	
Alex. Ross.....	do do	25 00	
D. McC. Sinclair.....	do do	20 00	
Thomas McKeen.....	do do	30 00	
Luke Harpell.....	do do	15 00	
Duncan Cameron.....	do do	20 00	
Fred. Mattie.....	do do	15 00	
			635 00
<i>County of Halifax.</i>			
Wm. Anderson.....	For 12 months' salary, to 30th June, 1879.....	150 00	
James Blakely.....	do do	30 00	
Wm. Hall.....	do do	40 00	
John Fitzgerald.....	do do	150 00	
Arch. Kidston.....	do do	40 00	
Nathaniel Mason.....	do do	40 00	
Donald McClean.....	do do	30 00	
Henry Balcom.....	do do	30 00	
John McGurdy.....	do do	30 00	
Neil McLean.....	do do	40 00	
James Gardner.....	do do	30 00	
John Taylor.....	do do	30 00	
George Parker.....	do do	30 00	
George Keizer.....	do do	30 00	
James Miller.....	do do	30 00	
Daniel Mosher.....	do do	20 00	
W. G. Walker.....	do do	20 00	
James Crook.....	do do	25 00	
F. G. Tolson.....	do do	40 00	
Daniel Cameron.....	do do	30 00	
John Frazer.....	6 months do to 30th June, 1878	15 00	
			880 00
<i>County of Hants.</i>			
P. S. Burnham.....	For 12 months' salary, to 30th June, 1879.....	100 00	
James Mosher.....	do do	30 00	
T. B. O'Brien.....	do do	100 00	
Joseph Mosher.....	do do	50 00	
J. M. O'Brien.....	do do	30 00	
J. B. Colter.....	do do	30 00	
			340 00
	Carried forward.....		4,852 92

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward			4,652 92
NOVA SCOTIA—Continued. ¹			
SALARIES, ETC.—Continued.			
County of Inverness.			
M. A. Ross	For 12 months' salary, to 30th June, 1879.....	100 00	
Hugh Gillies	do do	100 00	
Peter Coady	do do	25 00	
Neil McKay	do do	25 00	
John Cameron	do do	100 00	
John Meagher	do do	25 00	
Kenneth McKenzie	do do	25 00	
Michael McDonald	do do	25 00	
A. McLellan	do do	25 00	
Hugh Cameron	do do	25 00	
James McGarry	do do	25 00	
Malcolm McLeod	do do	25 00	
Mark Crowdis	do do	25 00	
Geo. Ingraham	do do	25 00	
John Carroll	do do	25 00	
Donald McDonald	do do	25 00	
Malcolm McKay	do do	20 00	
Donald McDonald	do do	25 00	
			670 00
County of Kings.			
Adolphus Bishop	For 12 months' salary, to 30th June, 1879.....	125 00	
J. E. Starr	do do	250 00	
W. McIntyre	do do	60 00	
Irish Benjamin	do do	20 00	
John Buchanan	do do	20 00	
Elias Bishop	do do	20 00	
			495 00
County of Lunenburg.			
George Redden	For 12 months' salary, to 30th June, 1879.....	100 00	
Geo. Moland	do do	25 00	
James Corkum	do do	25 00	
Wm. Mosher	do do	25 00	
John Hutt	do do	25 00	
James Lanquille	do do	25 00	
H. S. Jost	do do	100 00	
Charles Pernette	do do	25 00	
James Mossman	do do	25 00	
John Andrews	do do	25 00	
G. A. Nesbitt	do do	25 00	
Eli Hebb	do do	25 00	
Edward Boylan	do do	25 00	
Wm. Croft	do do	25 00	
John Artz	11 do	22 92	
Edward Morgan	do do	22 92	
			545 84
Carried orward			6,363 76

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward.....			6,363 76
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Pictou.</i>			
John McDonald.....	For 12 months' salary, to 30th June, 1879..	170 00	
John McKay	do do	25 00	
Donald Rankin.....	do do	25 00	
Wm. Stewart.....	do do	25 00	
Daniel McLean.....	do do	30 00	
David Marshall.....	do do	140 00	
John Turner.....	do do	25 00	
Wm. Smith.....	do do	25 00	
Robt. Archibald.....	do do	25 00	
David Lanquille.....	do do	25 00	
Geo. McKenzie.....	do do	25 00	
John McDonald.....	do do	25 00	
P. Delaney.....	do do	25 00	
Wm. Frazer.....	do do	25 00	
Donald Frazer.....	do do	25 00	
Donald Miller.....	do do	20 00	
William Evans.....	7 months and 11 days salary	15 33	
Samuel Frazer.....	Arrears of salary, from 1st Jan. to 1st May, 1874	12 36	687 00
<i>County of Queens.</i>			
S. T. N. Sellon.....	For 12 months' salary, to 30th June, 1879.....	190 00	
Stephen Clements.....	do do	25 00	
T. Ford.....	do do	50 00	
Henry Hooker.....	do do	30 00	
John Fitzgerald.....	do do	30 00	
Barnabas Miles.....	do do	20 00	
Stephen Smith.....	do do	20 00	
Jonathan Smith.....	do do	15 00	
James Farquhar.....	do do	30 00	
Solomon Lonas.....	do do	20 00	
Geo. Snadden.....	do do	20 00	460 00
<i>County of Richmond.</i>			
Duncan Cameron.....	For 12 months' salary, to 30th June, 1879.....	125 00	
P. W. Crouchy.....	do do	30 00	
J. Procton, sen.....	do do	20 00	
Abraham Sampson.....	do do	30 00	
Justinien Sampson.....	do do	30 00	
Charles Grant.....	do do	20 00	
Alex. Smith.....	do do	30 00	
Edward Madden.....	do do	30 00	
George Donohoe.....	do do	30 00	
Patrick Kyte.....	do do	25 00	
Felix Gerroir.....	do do	25 00	
Wm. Kehoe.....	do do	25 00	
J. Murchison.....	do do	30 00	
Edward Ballam.....	10 do do	107 61	
Frs. Marmeau.....	2 do do	20 83	578 44
Carried forward.....			8,089 89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To/whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward.....			8,089 89
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
County of Shelburne.			
Samuel Muir	For 12 months salary to 30th June, 1879.....	125 00	
M. Greenwood	do do	20 00	
George Archer	do do	15 00	
Richard McGill	do do	20 00	
James Turner	do do	30 00	
P. Crowell	do do	20 00	
Henry Ackerman	do do	20 00	
Wm. McKay	6 months salary, to 31st December, 1878 ...	10 00	260 00
County of Victoria.			
J. W. Burke	For 12 months salary, to 30th June, 1879.....	120 00	
Donald McRae	do do	120 00	
John McLellan	do do	25 00	
John McDonald	do do	25 00	
Donald McQuarrie	do do	25 00	
Donald McMillan	do do	25 00	
Donald McAulay	do do	25 00	
Hector McKenzie	do do	25 00	
Donald McRae	do do	25 00	
Francis Arnold	do do	25 00	
Angus McDonald	do do	30 00	
Kenneth Campbell	do do	30 00	
Roderick Beaton	do do	30 00	
Wm. Foyle	do do	30 00	
John McCharles	do do	30 00	
Donald Bochaman	do do	30 00	
Malcolm McIver	do do	30 00	
John Guinn	do do	30 00	
George Burton	do do	30 00	
Joseph Hellen	do do	30 00	740 00
County of Yarmouth.			
Enos Gardner	For 12 months salary, to 30th June, 1879.....	150 00	
J. A. Hatfield	do do	50 00	
Wm. Kavanagh	do do	25 00	
Wm. Prosser	do do	25 00	
Eustace Nickerson	do do	25 00	
Edward Perry	do do	25 00	
Jerome Doucette	do do	30 00	
Vital Muis	do do	25 00	
Joseph M. White	do do	25 00	
Wm. Thurston	do do	25 00	
Jas. Brand	do do	25 00	430 00
Carried forward.....			9,519 89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....		9,519 89
NOVA SCOTIA—Continued.			
DISBURSEMENTS OF FISHERY OVERSEERS.			
Enos Gardner.....	For 12 months disbursements, to 31st Dec., 1878...	171 00	
S. T. N. Sellon.....	do do	144 37	
Samuel Muir.....	do do	127 14	
John Cameron.....	do do	82 96	
W. T. Carty.....	do do	75 20	
Wm Anderson.....	do do	74 50	
M. A. Ross.....	do do	65 50	
James A. Tory.....	do do	65 29	
Francis Quinan.....	do do	64 00	
J. E. Starr.....	do do	54 50	
T. B. O'Brien.....	do do	53 45	
George Redden.....	do do	53 00	
D. McRae, jun.....	do do	50 85	
Alex. McDonald.....	do do	50 50	
E. H. Ballam.....	do do	48 50	
John Fitzgerald.....	do do	47 86	
J. W. Davidson.....	do do	45 50	
Peter Coady.....	do do	45 50	
J. H. Morehouse.....	do do	45 25	
Adolphus Bishop.....	do do	44 25	
John McDaniel.....	do do	42 55	
Henry S. Jost.....	do do	40 00	
John McDonald.....	do do	39 00	
P. S. Burnham.....	do do	35 00	
L. A. Melançon.....	do do	33 45	
Yorke Barrington.....	do do	33 00	
James King.....	do do	33 00	
Duncan Cameron.....	do do	31 00	
J. W. Burke.....	do do	30 80	
Alex. McDonald.....	do do	29 24	
Hugh Gillies.....	do do	24 09	
Isaac J. Hingley.....	do do	23 00	
H. E. Payson.....	do do	12 75	
James Bonyman.....	do do	10 00	
			1,825 91
W. H. Rogers.....	12 months salary as Inspector of Fisheries, to 30th June, 1879.... \$979 98		
Receiver-General.....	Superannuation tax on W.H. Rogers' salary..... 20 00		
			999 98
W. H. Wylde.....	6 months salary as Inspector of Fisheries, to 31st Dec., 1878..... \$685 98		
Receiver-General.....	Superannuation tax on W. H. Wylde's salary..... 21 00		
			706 98
W. H. Rogers.....	Disbursements as Inspector of Fisheries.....	1,000 00	
W. H. Wylde.....	do do	200 00	
W. H. Rogers.....	Allowance for office fittings and furniture.....	50 00	
G. B. Vanderwort.....	Map of Dartmouth.....	10 00	
			2,966 96
	Total.....		14,312 76

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
NEW BRUNSWICK.			
SALARIES OF FISHERY OVERSEERS AND WARDENS.			
<i>County of Albert.</i>			
Winthrop Akerley.....	For 12 months salary, to 30th June, 1879.....	100 00	
Wallace Taylor.....	do do.....	40 00	
C. McLatchey.....	do do.....	40 00	
Jacob Beck.....	do do.....	30 00	
J. C. Kinne.....	do do.....	40 00	
B. Oliver.....	do do.....	40 00	
			290 00
<i>County of Carleton.</i>			
George Burt.....	For 12 months salary, to 30th June, 1879.....	30 00	
J. W. Scott.....	do do.....	30 00	
W. Thompson.....	do do.....	30 00	
Hugh Miller.....	6 months salary, to 31st December, 1878.....	15 00	
Hugh Harrison.....	do do.....	16 67	
			121 67
<i>County of Charlotte.</i>			
E. L. Cunningham.....	For 12 months salary, to 30th June, 1879.....	70 00	
James Brown.....	do do.....	100 00	
W. B. McLaughlin.....	do do.....	240 00	
Samuel Dick.....	do do.....	30 00	
Robt. Dixon.....	do do.....	30 00	
Leonard Best.....	do do.....	100 00	
J. M. Lord.....	do do.....	70 00	
James Russell.....	do do.....	30 00	
Andrew Gilmour.....	do do.....	30 00	
Edward Carroll.....	do do.....	30 00	
J. Thompson.....	do do.....	30 00	
Frank Todd.....	9 months salary.....	90 00	
John Oatharan.....	6 do to 31st December, 1878.....	25 00	
			875 00
<i>County of Gloucester.</i>			
James Hickson.....	For 12 months salary, to 30th June, 1879.....	250 00	
Wm. Bateman.....	do do.....	50 00	
Juste Haché.....	do do.....	100 00	
Justinien Savoy.....	do do.....	30 00	
J. L. Veno.....	do do.....	30 00	
Fred. Comeau.....	do do.....	40 00	
Miles Dempsey.....	do do.....	30 00	
Timothy Coughlon.....	do do.....	30 00	
Wm. Rogers.....	do do.....	25 00	
J. Calnan, jun.....	do do.....	25 00	
Alexis Landry.....	do do.....	50 00	
Adolphe Haché.....	do do.....	30 00	
C. Lanteigne.....	14 do do.....	45 00	
			735 00
Carried forward.....			2,021 67

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....		2,021 67
NEW BRUNSWICK—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Kent.</i>			
Chas. Carmier.....	For 12 months salary, to 30th June, 1879.....	100 00	
J. McD. Sutherland.....	do do.....	75 00	
F. B. Legaré.....	do do.....	30 00	
James Harnett.....	do do.....	30 00	
Lazare Guimon.....	do do.....	75 00	
Nicholas Muzzeroll.....	10 months and 13 days salary.....	50 00	
M. A. Girouard.....	2 do do.....	37 50	397 50
<i>County of Kings.</i>			
Samuel Gosline.....	For 12 months salary, to 30th June, 1879.....	100 00	
S. F. Ryan.....	do do.....	30 00	
S. Gamblain.....	do do.....	30 00	
N. H. DeVeber.....	do do.....	43 43	
J. A. Belyea.....	do do.....	8 33	211 76
<i>County of Northumberland.</i>			
Prudent Robichaux.....	For 12 months salary, to 30th June, 1879.....	100 00	
John Hogan.....	do do.....	400 00	
Aaron Hovey.....	do do.....	30 00	
George Bryenton.....	do do.....	30 00	
Kenneth Cameron.....	do do.....	100 00	
Patrick Bergin.....	do do.....	30 00	
Thomas Smith.....	do do.....	30 00	
Patrick Gillis.....	do do.....	30 00	
Denis Hogan.....	do do.....	30 00	
Michael Donovan.....	do do.....	18 00	
Henry Oldfield.....	do do.....	30 00	
Findlay McDairmaid.....	do do.....	30 00	
John Williston.....	do do.....	100 00	
James Russell.....	do do.....	150 00	
Thos. Taylor.....	do do.....	50 00	
John Stymast.....	do do.....	50 00	
Samuel Freeze.....	do do.....	100 00	
Nat. Morehouse.....	do do.....	30 00	
J. T. Coughlan.....	do do.....	30 00	
John Doyle.....	do do.....	30 00	
Peter Russell.....	do do.....	30 00	
Wm. Blake.....	10 months and 16 days salary.....	43 84	
Amos Perley.....	do do.....	87 70	
Wm. Cushman.....	do do.....	140 33	
N. B. T. Underhill.....	do do.....	140 33	
Thos. McKenzie.....	do do.....	28 28	
John Holmes.....	do do.....	43 84	
Jas. A. Somers.....	do do.....	28 28	
Wm. Wyse.....	2 do do.....	33 33	
Daniel Matthews.....	do do.....	5 00	
Chris. Parker.....	do do.....	28 66	
John Blake.....	do do.....	11 66	
Angus McIntosh.....	do do.....	5 00	
	Carried forward.....	2,018 25	2,630 93

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward.....		2,018 25	2,630 93
NEW BRUNSWICK—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Northumberland—Concluded.</i>			
Tubal Watling.....	For 2 months salary, to 30th June, 1879.....	5 00	
Jared Blackmore.....	do do	8 33	
Samuel Holt.....	do do	28 68	
Samuel Kingston.....	do do	8 33	
Patrick Keating.....	do do	5 00	
James Fitzpatrick.....	do do	8 75	
			2,080 32
<i>County of Queens.</i>			
Isaiah Langan.....	For 12 months salary, to 30th June, 1879.....	30 00	
John Secord.....	do do	30 00	
Isaac T. Hetherington.....	do do	100 00	
W. H. Clark.....	do do	25 00	
J. J. Camp.....	do do	30 00	
Robt. McMann.....	do do	25 00	
Robt. Philips.....	do do	25 00	
C. Eastabrook.....	do do	30 00	
Solomon Thorne.....	do do	30 00	
R. P. Yeoman.....	do do	30 00	
Hiram Starkey.....	do do	30 00	
X. T. Hetherington.....	Arrears of increase of salary.....	81 66	
			466 66
<i>County of Restigouche.</i>			
Ebenezer Ferguson.....	For 12 months salary, to 30th June, 1879.....	100 00	
A. McPherson, jun.....	do do	25 00	
J. McMillan.....	do do	25 00	
Dugald Carmichael.....	do do	25 00	
			175 00
<i>County of Sunbury.</i>			
G. W. Hoben.....	For 12 months salary, to 30th June, 1879.....		100 00
<i>County of St. John.</i>			
Joseph O'Brien.....	For 12 months salary, to 30th June, 1879.....	150 00	
W. E. Skillen.....	do do	100 00	
			250 00
<i>County of Victoria.</i>			
Charles McCluskey.....	For 12 months salary, to 30th June, 1879.....	100 00	
Charles Roberts.....	do do	30 00	
Juhn McDougall.....	do do	30 00	
Geo. Bedell.....	do do	30 00	
Donald Frazer.....	do do	30 00	
Thos. Edgar.....	do do	30 00	
Edward Maloney.....	do do	30 00	
			280 00
Carried forward.....			5,982 91

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.	
		\$ cts.	\$ cts.	
	Brought forward.....		5,982 91	
NEW BRUNSWICK—Continued.				
SALARIES, ETC.—Concluded.				
<i>County of Westmoreland.</i>				
W. B. Deacon.....	For 12 months salary, to 30th June, 1879.....	100 00	260 00	
D. T. Cormier.....	do do.....	60 00		
Hugh Davidson.....	do do.....	100 00		
<i>County of York.</i>				
J. Campbell.....	For 12 months salary, to 30th June, 1879.....	60 00	150 00	
William Brown.....	do do.....	60 00		
Alex. Moir.....	do do.....	30 00		
DISBURSEMENTS OF FISHERY OVERSEERS.				
James Hickson.....	For 12 months disbursements, to 31st Dec., 1878....	168 00	6,392 91	
John Hogan.....	do do.....	108 24		
Ebenezer Ferguson.....	do do.....	92 50		
Samuel Gosline.....	do do.....	92 06		
W. B. Deacon.....	do do.....	81 50		
D. T. Cormier.....	do do.....	64 00		
James Russell.....	do do.....	59 70		
John Williston.....	do do.....	58 90		
William Wyse.....	do do.....	57 50		
Jos. O'Brien.....	do do.....	56 50		
J. McD. Sutherland.....	do do.....	54 20		
W. B. McLaughlin.....	do do.....	50 00		
Wm. Cushman.....	do do.....	50 00		
N. B. T. Underhill.....	do do.....	49 20		
Isaac Hetherington.....	do do.....	45 45		
C. McCluskey.....	do do.....	41 55		
B. L. Cunningham.....	do do.....	40 50		
Winthrop Akerley.....	do do.....	38 86		
Thos. Taylor.....	do do.....	39 60		
Hugh Davidson.....	do do.....	38 50		
J. M. Lord.....	do do.....	36 50		
Samuel Freeze.....	do do.....	33 83		
W. E. Skillen.....	do do.....	33 00		
G. W. Hoben.....	do do.....	31 87		
James Brown.....	do do.....	31 75		
Wm. Brown.....	do do.....	30 25		
Amos Perley.....	do do.....	30 86		
Charles Cormier.....	do do.....	30 20		
N. H. DeVeber.....	do do.....	30 00		
Prudent Robichaux.....	do do.....	30 00		
Justinien Savoy.....	do do.....	27 00		
W. L. Bateman.....	do do.....	25 50		
Leonard Best.....	do do.....	20 00		
Wm. Blake.....	do do.....	16 50		
F. McDairmaid.....	do do.....	16 00		
Kenneth Cameron.....	do do.....	12 24		
Juste Haché.....	do do.....	10 60		
John Szymast.....	do do.....	10 35		
Frank Todd.....	do do.....	5 00		
Carried forward.....		1,748 26		6,392 91

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 1,748 26	\$ cts. 6,392 91
	NEW BRUNSWICK—Concluded.		
	DISBURSEMENTS, ETC.—Concluded.		
Alexis Landry.....	For 12 months Disbursements, to 31st Dec., 1879...	4 25	
J. W. Taylor.....	do do	3 60	1,756 11
W. H. Venning.....	12 months salary as Inspector of Fisheries.....	1,371 96	
O. R. Venning.....	do Clerk to Inspector of Fisheries.....	394 92	
Receiver-General.....	Superannuation on above salaries.....	33 00	
W. H. Venning.....	12 months disbursements as Inspector of Fisheries.....	550 00	
O. W. Weldon.....	Law costs.....	160 50	
J. L. McCoskery.....	Postages and stationery.....	67 59	
Hugh Davidson.....	Rent of office.....	62 52	
Roe Bros.....	Copies of maps.....	28 00	
Capt. Nelson.....	Hire of steamboat.....	20 00	
T. Campbell.....	Gas fitting for office.....	8 65	
Wm. Wyse.....	Refund of license money to F. Morrison.....	3 90	
J. & J. D. Howe.....	Repairing office chairs.....	3 50	
Bowes & Ellis.....	Moving and fitting stove.....	3 08	
D. McAlpine.....	Directory.....	2 00	2,709 62
	Total.....		10,858 64
	PRINCE EDWARD ISLAND.		
	SALARIES OF FISHERY OVERSEERS AND WARDENS.		
	<i>County of Kings.</i>		
John Crane.....	For 12 months salary, to 30th June, 1879.....	30 00	
James McInnis.....	do do	30 00	
John McGuire.....	do do	30 00	
James McAulay.....	do do	30 00	
Patrick McInnis.....	do do	30 00	
Wm. R. Dingwell.....	do do	30 00	
John Brian.....	do do	30 00	
Thomas Clay.....	do do	30 00	
D. D. Campbell.....	do do	30 00	
Francis Cook.....	do do	30 00	
Andrew Whelan.....	do do	30 00	
John Fisher.....	do do	25 00	
Martin McInnis.....	10 do do	131 25	
	<i>County of Queens.</i>		486 25
Ewen Clark.....	For 12 months salary, to 30th June, 1879.....	30 00	
Michael Ready.....	do do	30 00	
James Clow.....	do do	30 00	
Lionel Garnum.....	do do	30 00	
Wm. Whitehead.....	do do	30 00	
Thomas Murphey.....	do do	30 00	
Roderick Morrison.....	do do	30 00	
Alex. McRae.....	do do	30 00	
John McMillan.....	do do	30 00	
Isaac Thompson.....	10 do do	131 25	
	Carried forward.....		491 25
			887 50

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts.	\$ cts. 887 50
PRINCE EDWARD ISLAND—Concluded.			
SALARIES, ETC.—Concluded.			
<i>County of Prince.</i>			
J. T. Reid.....	For 12 months salary, to 30th June, 1879.....	30 00	
James Ramsay.....	do do.....	30 00	
Hugh McIntosh.....	do do.....	30 00	
Peter H. Perry.....	do do.....	30 00	
Abraham Wall.....	do do.....	30 00	
Patrick McBride.....	do do.....	30 00	
Wm. Burns.....	do do.....	30 00	
Nathaniel McArthur.....	do do.....	30 00	
Lawrence Phee.....	do do.....	30 00	
John Beaton.....	2 do do.....	2 50	
John Clark.....	10 do to 30th April, 1879.....	131 25	493 75
Wm. Mitchell.....	Paid for postage stamps.....		1,291 25 2 00
	Total.....		1,293 25
<i>British Columbia.</i>			
A. C. Anderson.....	For 12 months salary as Inspector of Fisheries, to 30th June, 1879.....	600 00	
George Pettendreich.....	12 months salary as Fishery Overseer, to 30th June, 1879.....	499 98	
A. C. Anderson.....	12 months disbursements as Inspector of Fisheries, to 30th June, 1879.....	325 00	1,424 98 1 25
	Less refund.....		1,423 73
<i>Manitoba.</i>			
Donald Gunn.....	For 12 months salary as Fishery Overseer, to 30th June, 1878.....		200 00
FISH-BREEDING.			
Samuel Wilmot.....	For 12 months salary as Superintendent of the several Fish-Breeding Establishments in the Dominion, to 30th June, 1879.....	1,959 96	
Receiver-General.....	Superannuation tax on S. Wilmot's salary.....	40 00	
Samuel Wilmot.....	Disbursements in connection with inspection of Fish-Breeding Establishments in Ontario, Quebec, Nova Scotia and New Brunswick, and selection of sites for new hatcheries.....	844 66	2,844 63
	Carried forward.....		2,844 63

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward		2,844 62
	FISH-BREEDING—Continued.		
	<i>Newcastle Establishment, Ontario.</i>		
Wm. Parker.....	For 18 months salary as Caretaker, to 30th June, 1879.....	750 00	
W. H. Barber.....	9 months salary as Assistant Caretaker, to 30th June, 1879.....	210 00	
O. E. Lowe.....	Wages as temporary Assistant Caretaker, to 30th June, 1879.....	33 30	
John Wilmot	Assistant in office.....	50 00	
Wm. Parker	Disbursements collecting ova and distributing fry.....	520 20	
S. Wilmot.....	do do	156 82	
Alex. Berg.....	do do	109 90	
William Hill.....	do do	22 75	
W. H. Barber.....	do do	3 65	
John Wilmot.....	do do	36 25	
Peter Coleman	Wages as Guardian at Darlington and Barber's Creek	128 40	
Geo. Nevin.....	do Baldwin's Creek	53 50	
D. Hinman.....	do Grafton Creek	50 00	
F. O. Gilchrist.....	do Cobourg.....	66 00	
Thomas Gourwell.....	do Wilmot's Creek	46 25	
E. Spencer.....	Labour at dam, &c.....	86 12	
Thos. Gourwell	do	42 50	
Simmons & Jardine.....	Carpenter's work for 1877 and 1878.....	523 94	
John Kelsey	Tending nets	53 00	
Wm. Hooper.....	Stone masonry.....	12 69	
J. R. Barefeldt.....	Hardware.....	27 79	
F. Stilwell.....	do	6 35	
J. Rolfe.....	Painting, glazing, &c	85 41	
T. G. Rice.....	Wire Cloth	16 67	
Montreal Telegraph Co.....	Telegrams	50 91	
Dominion Telegraph Co.....	do	29 83	
Wm. Wagstaff.....	Brooms, pails, glassware, &c.....	30 54	
N. L. Piper & Son	Perforated zinc.....	18 48	
A. M. Weston & Co	Rubber hose.....	17 00	
D. Morrison & Co.....	Specimens of fish.....	8 97	
John Norton	do	6 25	
Livingstone Stone	California salmon ova.....	233 00	
John Douglas.....	Express charges on California salmon ova.....	65 05	
Thomas Douglas	Express charges, &c	115 05	
O. E. Lowe.....	Expenses on fish eggs.....	5 00	
Alfred Bright.....	Picking ova.....	6 40	
M. Gorwell.....	do	5 24	
Wm. McChesney.....	Barrels for carrying fish	9 00	
R. Fothergill.....	Coal oil.....	28 36	
F. Williams.....	Pump logs.....	26 00	
James Wright	Tinware.....	66 34	
Denis Quick	do	40 00	
Di Cornstalk	Lumber.....	20 00	
Wm. Rudge.....	do	8 00	
Lewis Strowger.....	Nets, &c	67 24	
Page & Kidder.....	Varnish for trays.....	8 00	
Fred. Stilwell.....	Iron work.....	15 63	
David Rose.....	Coal.....	75 43	
James Nevin.....	Teaming.....	29 00	
John Otten.....	do	3 75	
	Carried forward.....	4,081 96	2,844 62

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.	
	Brought forward.....	\$ cts. 4,081 96	\$ cts. 2,844 62	
FISH-BREEDING—Continued.				
<i>Newcastle Establishment, Ontario—Concluded.</i>				
S. Wilmot.....	For Rent of grounds for year 1878.....	200 00	4,531 31	
G. M. Clarke.....	Rent of water privilege for 1878.....	100 00		
Brown Bros.....	Copying press.....	12 75		
Wm. Porter.....	Castings.....	13 00		
F. Gourdeau.....	Plans.....	16 00		
S. Wilmot.....	To pay sundry accounts.....	107 60		
<i>Sandwich Establishment, Ontario.</i>				
James Nevin.....	For 9 months salary as Officer in charge.....	450 00	2,571 23	
William Hill.....	12 do Assistant.....	360 00		
Daniel Lemonde.....	Wages as Engineer.....	411 00		
C. Lemonde.....	do Assistant Engineer.....	12 75		
James Nevin.....	Disbursements distributing fry, &c.....	249 24		
Wm. Hill.....	Labour.....	90 00		
Wm. Shields.....	do.....	30 00		
D. Lemonde.....	do.....	21 00		
Benjamin Lees.....	do.....	10 00		
Martin O'Brien.....	do spawning fish.....	50 28		
C. Lemonde.....	do do.....	27 50		
J. Bissonnette.....	do do.....	18 00		
A. Joli.....	do do.....	15 00		
Joseph Paine.....	Cordwood.....	146 55		
J. Taylor.....	Sawing cordwood.....	10 00		
M. O'Brien.....	do.....	11 75		
Henry Brackett.....	do.....	10 15		
Audet & Werry.....	Coal.....	82 50		
G. W. Girdlestone.....	Coal.....	38 18		
Parry Sound Co.....	Lumber.....	49 14		
Perrault & Ouellette.....	do.....	45 26		
W. J. McKee.....	do.....	6 50		
J. B. Gauthier.....	Cedar posts.....	23 75		
Henry Bell.....	Ice.....	7 50		
G. Lacherite.....	Hauling gravel.....	5 00		
Wm. Shields.....	Cleaning ova.....	6 00		
H. Allison.....	Telegrams.....	1 61		
J. B. Gauthier.....	Paint, oil, &c.....	29 15		
J. Deroche.....	Painting engine, &c.....	13 00		
Detroit Metal Co.....	Fixing water pipes.....	27 89		
Wm. Cogger.....	Care of building.....	12 00		
J. McLeod.....	Lamps and chimneys.....	7 80		
H. G. Degens.....	Carrying eggs in boat.....	22 50		
J. P. Donaldson.....	Tubing.....	7 45		
Drake & Joyce.....	Office furniture.....	26 75		
James Nevin.....	Board of men.....	22 00		
J. P. Clark.....	do.....	12 00		
Thos. Flowers & Co.....	Gauges for engine.....	13 00		
Andrew Harvey & Son.....	Oil pump.....	4 93		
R. Pursar & Sons.....	Fish pans.....	58 32		
Jas. Neveaux & Bros.....	Furnishings.....	74 72		
Pequenot & Co.....	Hardware, &c.....	39 14		
Jos. Boismier.....	Blacksmith.....	11 92		
	Carried forward.....			9,947 16

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts.	\$ cts.
			9,947 16
FISH-BREEDING—Continued.			
<i>Tadoussac Establishment, Quebec.</i>			
Joseph Radford.....	For 12 months salary as Officer in charge, to 30th June, 1879.	500 00	
Pierre Plourde.....	12 months salary as Caretaker, to 30th June, 1879	336 00	
Jos. Dion.....	Salary as Assistant Caretaker.....	247 50	
Donald McLaren.....	do do	142 58	
Edward Lacroix	do do	18 00	
Pay-list	Labour at Pointe à Cariole Fishery.....	145 04	
do	Labour with salmon fry, 1878	11 00	
A. Hovington	do do	6 80	
H. Plourde	Labour at fish-house.....	33 15	
P. Goudreau	do do	8 00	
Roger Therrien.....	do do	17 15	
Jos. Morin.....	do do	4 00	
T. Bouliane.....	do do	3 05	
D. McLaren.....	do do	25 00	
Carrie Tremblay.....	do do	2 40	
J. Bouliane	do do	2 38	
Thos. Therrien	do do	2 15	
Andrew Moreau	do do	1 30	
Sophie Tremblay.....	do do	1 20	
Joseph Chamberland	do do	1 00	
Desire Tremblay.....	do do	0 20	
Mars Tremblay.....	do do	0 80	
Geo. Blanchet	do do	0 50	
Henry Tremblay.....	do do	0 40	
Pierre Marquis.....	do do	0 75	
H. Tremblay.....	do do	0 15	
Mary Tremblay.....	do do	0 10	
Emma Plourde.....	do do	0 30	
Louise Tremblay.....	do do	0 40	
Jos. Hovington	Hire of boats with salmon fry.....	27 00	
John Caron.....	do do	44 00	
Ferd. Dufour.....	do do	10 00	
Malcolm Hovington.....	do do	4 00	
Bell Manning	Services as boatman.....	72 00	
Wm. Manning	do	45 20	
Simon Godreault.....	do	20 00	
David Godreault.....	do	19 25	
Henry Plourde	do	10 80	
James Wright.....	Fish cans.....	180 65	
Price Bros. & Co.....	Hardware, &c.....	37 37	
F. Bourgoing	do	33 41	
Chinic & Beaudet.....	do	2 50	
O. Bouliane.....	Nails.....	0 68	
Jules Tremblay.....	Blacksmiths' work.....	8 63	
Narcisse Simard	Attending Petit Isle Fishery.....	20 00	
Richard Morin	do l'Ance à Pilot Fishery.....	18 34	
Str. "St. Lawrence"	Passages with fry, freight, &c.....	43 26	
F. Bourgoing.....	Freight	0 60	
Charles Pentland.....	Towage of salmon fry.....	40 00	
Jos. Dion.....	Board as Special Guardian.....	20 53	
L. Levesque	Board of Guardian Lacroix.....	17 00	
P. Plourde.....	Cotton for packing ova.....	1 75	
E. Lavoie.....	Carpenters' work.....	8 00	
	Carried forward.....	2,196 27	9,947 16

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 2,196 27	\$ cts. 9,947 16
	FISH-BREEDING—Continued.		
	<i>Tadoussac Establishment, Quebec—Concluded.</i>		
Etienne Nicholas.....	For Repairing canoe.....	1 90	
O. Bouliane.....	Glass.....	0 65	
D. McLaren.....	Expenses with ova to River DuLoup.....	6 75	
Walter Ray.....	Parent salmon for spawning.....	119 00	
F. Saillant.....	Wading boots.....	4 50	
J. Caron.....	Carpenters' work.....	1 60	
Henry Hovington.....	Specimens of fish for museum.....	0 50	
F. Bouliane.....	do do.....	1 50	
John Hovington.....	do do.....	0 50	
H. White.....	Lumber.....	2 00	
Jos Radford.....	Expenses to Newcastle.....	44 50	
T. Bouliane.....	Cotton.....	1 44	
X Gagnon.....	Cartage.....	3 40	
Wm. Miller.....	Account books and stationery.....	4 00	
Ohas. Pentland.....	Coal oil.....	3 30	
Thos. Bouillaine.....	Filling in house.....	2 00	
Jos. Caron.....	Carpenters' work.....	1 60	
Mary Tremblay.....	Cleaning fish-house.....	1 45	
Jerry Maher.....	Painting fish-house.....	9 00	
Pierre Plourde.....	Expenses repairing fish tins.....	8 70	
Pierre Marquis.....	Cartage.....	4 25	
Guillaume Tremblay.....	Attending Petit Isle Fishery.....	27 67	
Jos. Radford.....	Postages, telegrams, &c.....	5 00	
			2,445 88
	<i>Gaspé Basin Establishment, Quebec.</i>		
P. Vibert.....	For 9 months salary as Officer in charge, to 31st March, 1879.....	225 00	
Henry Davis.....	Wages as Assistant Caretaker.....	322 25	
P. Vibert.....	Disbursements in connection with Fish-Breed- ing Establishment.....	36 70	
J. S. Davis.....	Tending salmon nets, catching and spawning salmon.....	149 60	
J. Davis, jun.....	do do.....	144 00	
Henry Olsen.....	do do.....	53 75	
P. Coffin.....	do do.....	27 30	
F. R. Coffin.....	do do.....	20 80	
John Davis.....	Distributing salmon fry.....	112 50	
W. C. Davis.....	do do.....	36 05	
Alf. Davis.....	do do.....	35 00	
Robt. Coffin.....	do do.....	33 00	
Wm. Hamilton.....	do do.....	15 60	
Felix Coffin.....	do do.....	14 30	
Peter Miller.....	do do.....	11 25	
John McIsaac.....	do do.....	3 50	
Felix Annett.....	Labour at fish ponds.....	18 85	
W. C. Davis.....	do fish-house.....	40 32	
J. W. Coffin.....	do.....	17 55	
Henry Olsen.....	Work and repairs to upper pond dam.....	13 35	
W. C. Davis.....	do do.....	32 25	
Benjamin Annett.....	do lower dam.....	13 00	
Jos. Cass.....	Work carrying ova.....	24 70	
Widow Coffin.....	Making salmon nets.....	18 00	
	Carried forward.....	1,418 62	12,393 04

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 1,418 62	\$ cts. 12,393 04
FISH-BREEDING—Continued.			
<i>Gaspé Basin Establishment, Quebec—Concluded.</i>			
H. W. Johns & Co.....	For Paint, hardware, glass, &c.	26 40	
J. & E. Collas	do do	24 10	
J. LeBoutillier.....	do do	19 87	
Chinic & Beaudet.....	do do	17 34	
H. S. Veit.....	Coal.....	21 00	
Widow Coffin.....	Wood	7 00	
Baptiste Sanson.....	Canoe.....	18 00	
A. LeMessurier.....	Stove fixings	2 80	
Str. "Beaver".....	Freight, &c.	6 18	
Str. "Miramichi".....	do	0 50	
Str. "City St. John".....	do	1 50	
Quebec and Gulf Ports			
S.S. Co.....	do	1 20	
Jos. Eden.....	Freight.....	1 75	
Valpey & Lebas.....	do	1 00	
M. Stephenson.....	Express charges	1 85	
			1,569 09
<i>Restigouche Establishment, Quebec.</i>			
John Mowat.....	For 9 months salary as Fishery Officer in charge ...	232 50	
Wm. Robertson.....	Salary as caretaker.....	390 00	
John Mowat.....	Disbursements in connection with procuring eggs and distributing fry.....	125 49	
do	Contingent expenses:—Twine for nets, making nets, stove, pipes, lamps, chimnies, &c., &c., during year.....	147 75	
do	Hire of horses and scows, towing cribs and hauling gravel, &c., &c	57 00	
W. Robertson.....	Labour at dam	25 00	
B. K. Merrill.....	do	24 70	
A. Sharp.....	do	7 50	
Noel Swason.....	do	7 50	
Thomas Poel.....	do	7 50	
G. Merrill.....	do	4 12	
Joseph Perry.....	Labour, picking ova, &c.....	165 00	
Max. Mowat.....	do do	32 00	
Wm. Mowat.....	do do	32 00	
John Malcolm.....	do and catching salmon	60 00	
Peter Grey.....	do do	70 00	
Wm. Robertson.....	Assistance, catching and spawning salmon	25 00	
Alex. Mowat.....	do do do	50 00	
Valentine Wheeler.....	do do do	30 00	
John Ferguson.....	Distributing salmon fry.....	37 00	
Thos. Moores.....	do do	30 00	
Alex. Mowat.....	do do	22 00	
O. Arseneault.....	do do	13 10	
John Thomas.....	do do	6 50	
Nathaniel Clearland.....	Making fish-cribs.....	9 00	
Wm. Patterson.....	Stove, freight, &c.....	23 80	
John Ferguson.....	Boats and labour	20 00	
A. J. Girard.....	Freight on salmon cans.....	14 50	
Intercolonial Railway.....	Passage of men and freight on fry.....	26 40	
G. E. Asker.....	Tinware.....	3 80	
	Carried forward.....	1,699 16	13,962 13

STATEMENT of Expenditure on account of Fisheries, etc.—*Continued.*

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 1,699 16	\$ cts. 13,962 13
FISH-BREEDING—Continued.			
<i>Restigouche Establishment, Quebec—Concluded.</i>			
Jas. W. Lee.....	For Spawn cans.....	25 80	
Hall, Kay & Co.....	Perforated Zinc.....	21 47	
John Mowat.....	Postages, telegrams, &c.....	11 50	1,757 93
<i>Bedford Basin Establishment, Nova Scotia.</i>			
A. B. Wilmot.....	For 12 months salary as Officer in charge.....	799 92	
do.....	Disbursements in connection with procuring parent fish and distribution of fry.....	620 50	
F. G. Tolsen.....	Labour as Assistant at Fish-Breeding Establishment.....	207 50	
J. H. Anderson.....	Catching parent salmon.....	232 00	
Oliver Filmore.....	do.....	145 37	
Wm. Beck.....	do.....	75 00	
F. Stephens.....	Coal.....	66 00	
Wm. Willis.....	Hauling coal.....	21 50	
R. Anderson.....	Freight on coal.....	15 00	
Estate E. B. O'Neil.....	Wharfage on coal.....	6 10	
Albert Tolsen.....	Transporting fry.....	18 19	
G. J. Harris.....	Zinc pans, breeding plates, &c.....	43 80	
F. P. Conolly.....	Stationery.....	2 50	
W. Gaul.....	Oil clothing.....	10 40	
R. B. Taylor.....	Rubber boots.....	7 00	
G. W. Boggs.....	Railway charges.....	1 40	
Philip Young.....	Conveyance.....	24 00	
Isaac J. Hingley.....	Night watching.....	87 00	
J. W. Currie.....	Horse hire.....	33 00	
D. M. Geldert.....	do.....	20 00	
Moses Benton.....	do.....	11 60	
Thos. Robinson.....	do.....	11 00	
J. H. Anderson.....	Board and horse feed.....	12 00	
Mary Moore.....	do.....	15 00	
Messrs. McDonald & Co.....	Gravel, hose, &c.....	26 66	
Wm. Wood.....	Rent of land.....	12 00	
Kenneth Forbes.....	do.....	5 00	
O. S. Rood.....	Board.....	15 00	
John McKenzie.....	Making nets.....	3 75	
J. Eastwood.....	Labour.....	22 50	
Oxford Furniture Co.....	Sashes and lumber.....	3 57	
H. H. Fuller & Co.....	Twine.....	4 36	
G. French.....	Ice.....	10 00	
Moir, Son & Co.....	Supplies.....	37 37	
Theaktson & Angevin.....	Hardware, &c.....	10 05	
J. P. Mott & Co.....	Lime.....	4 00	
G. Reeves.....	Building nursing tank.....	10 00	
Wm. Tolsen.....	2 years rent water privileges.....	20 00	
McDonald & Co.....	Rubber hose.....	7 40	2,687 44
<i>Miramichi Establishment, New Brunswick.</i>			
Isaac Sheasgreen.....	For 12 months salary as Officer in charge.....	399 96	
Pat. Hogan.....	Labour procuring salmon.....	121 80	
	Carried forward.....	521 76	18,407 50

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 521 76	\$ cts. 18,407 50
	FISH-BREEDING—Continued.		
	<i>Miramichi Establishment, New Brunswick—Con.</i>		
Thos. Multin.....	For labour procuring salmon.....	107 60	
John Hogan.....	do	83 00	
Pat. Murphey.....	do	57 40	
F. P. Sheasgreen.....	do	31 25	
Isaac Sheasgreen.....	Labour.....	8 50	
Michael Jardine.....	do	11 90	
J. H. Phinney.....	Hardware.....	28 35	
W. & G. Watt.....	do	48 69	
Hamilton & Fish.....	Paint and oil.....	26 33	
Wm. Parker.....	Distributing fry.....	93 85	
J. Tozer.....	Scow hire.....	12 00	
Jas. Hyland.....	Knitting nets.....	10 48	
Thos. McKenzie.....	do	4 20	
Isaac Sheasgreen.....	Horse hire.....	22 00	
Hamilton & Fish.....	Lumber.....	17 69	
Call & Miller.....	Freight on salmon.....	2 00	
R. R. Call.....	Coal.....	36 00	
Isaac Sheasgreen.....	Carting coal.....	16 00	
			1,139 00
	GENERAL DISBURSEMENTS.		
D. Dewar.....	For Building fishway at Isle au Chât.....	30 00	
C. McNab.....	Specimens of fish.....	164 75	
Alex. Begg.....	Expenses carrying live fish from Burlington Bay to Ottawa River.....	50 00	
C. C. Ray.....	Express charges on live bass.....	37 50	
D. W. Archibald.....	Altering fishway, West River, N.S.....	60 00	
			342 25
	FISHERIES PROTECTION STEAMER "LADY HEAD."		19,888 75
Napoleon Lavoie.....	For 7 months salary as Commander, to 31st Jan., 1879.....	816 62	
do	Disbursements.....	413 16	
Pay-list.....	Wages of Sailing Master, Engineers, Mates and crew, as per pay-list.....	1,233 06	
W. Ives & Sons.....	Provisions.....	80 02	
L. Marois.....	do Vegetables.....	64 30	
J. Eden & Son.....	do	37 50	
F. X. Grenier.....	do	33 34	
L. Arel.....	do Meat.....	10 45	
G. Bouchard.....	do	8 62	
J. Davidson.....	do	4 50	
W. Ives & Sons.....	Repairs.....	775 00	
A. Frazer & Co.....	Coal.....	680 00	
W. Gordon.....	do	243 20	
W. Crawford & Son.....	do	9 60	
J. Eden & Son.....	Wharfage of coal.....	100 00	
F. M. Dechéne.....	Clothing and carpets.....	369 50	
L. Leclerc.....	Freight on anchors, chains, &c.....	225 00	
Audett & Robitaille.....	Rope, canvas, &c.....	219 76	
	Carried forward.....	5,323 63	

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 5,323 63	\$ cts.
	FISHERIES PROTECTION STEAMER "LADY HEAD"—Concluded.		
S. J. Shaw.....	For Powder, cartridges, &c.....	68 75	
F. Langelier.....	Professional services in suit, Gore vs. Lavoie...	50 00	
P. Rouillard.....	Washing, mending, &c.....	39 00	
Quebec and Gulf Ports			
S.S. Co.....	Freight.....	28 92	
L. Bourget.....	Oil.....	28 62	
X. Guilmette.....	Pilotage.....	18 00	
C. E. Holiwell.....	Stationery.....	14 95	
J. Boivin.....	Spikes.....	14 25	
A. Boucher.....	Boat hire and cartage.....	14 00	
Whitehead & Turner.....	Tube brushes.....	10 00	
Fisher & Blouin.....	Valise.....	10 00	
N. Lavoie.....	Postages.....	9 55	
G. Renfrew.....	Gold crowns for uniforms.....	7 50	
E. Beaulieu.....	Labour.....	5 63	
F. Berrigan.....	Cartage.....	5 00	
H. S. Scott & Co.....	Iron.....	4 05	
A. T. Beaulieu.....	Services of tug-boat at wreck.....	2,469 00	
G. T. Davis.....	Use of pumps at wreck.....	566 80	
T. Routier.....	Labour at wreck.....	196 55	
O. Tremblay.....	Charter of schooner.....	88 00	
A. Côté & Co.....	Advertising sale of wrecked vessel.....	4 20	
G. T. Carey.....	do do.....	4 80	
J. Carrell.....	do do.....	4 20	
S. Marcotte.....	do do.....	4 48	
J. J. Foote.....	do do.....	4 60	
	Total.....		8,994⁴⁸

RECAPITULATION.

Fisheries, Ontario.....	\$11,741 40
do Quebec.....	13,606 06
do Nova Scotia.....	14,312 76
do New Brunswick.....	10,258 64
do Prince Edward Island.....	1,293 25
do British Columbia.....	1,423 73
do Manitoba.....	200 00
Fish Breeding.....	19,888 75
Fisheries Protection Steamer.....	8,994 48
Total.....	\$82,319 07

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 31

To the Twelfth Annual Report of the Department of Marine and Fisheries, being Statement showing the Names of Members on the Establishment Staff of the Department of Marine and Fisheries, the Rank held by each, and the Salaries they severally received, during the Fiscal Year ended 30th June, 1879.

To whom paid.	Rank.	Salary.	Amount.
			\$ cts.
Hon. Sir A. J. Smith.....	Minister	Salary from 1st July to 16th October 1878	2,051 06
Hon. J. C. Pope	do	Salary from 19th Oct., 1878, to 30th June 1879.	4,911 30
William Smith	Deputy Minister.....	12 months salary	3,260 00
W. F. Whitcher.....	Commissioner of Fisheries.....	do	2,000 00
John Hardie	Chief Clerk	do	2,000 00
Joseph Tomlinson.....	General Superintendent of Lights	do	2,190 00
John Tilton.....	Accountant.....	do	1,800 00
S. P. Bauset.....	1st Class Clerk.....	do	1,650 00
W. L. Magee.....	do	do	1,650 00
F. Gourdeau.....	Senior 2nd Class Clerk.....	do	1,312 50
W. S. Pettegrew.....	do	11 months and 26 days	1,282 48
M. Graburn.....	do	12 months salary.....	1,100 00
W. P. Anderson	Junior 2nd Class Clerk and Assistant Engineer	do	1,000 00
W. H. Alexander	Junior 2nd Class Clerk.....	do	975 00
R. N. Venning.....	do	do	950 00
G. Trudeau	do	do	900 00
John Makinson.....	do	do	850 00
A. Chisholm.....	do	Salary from 3rd Dec., '78, to 30th June, '79, at \$800.462 78	
do	3rd Class Clerk	Salary from 1st July to 2nd Dec., 1878, at \$600.....	253 33
do	Private Secretary.....	do	83 80
Joseph Pope.....	Junior 2nd Class Clerk.....	Salary from 3rd Dec., '78, to 30th June, '79, at \$700.404 55	
do	Private Secretary.....	do	173 39
W. B. Carleton.....	3rd Class Clerk	12 months salary.....	577 94
Jas. B. Halkett.....	do	do	650 00
Jules Morin.....	Messenger.....	do	500 00
James Robertson.....	do	do	300 00
		Total.....	33,610 19

JOHN TILTON,
Accountant.

WM. SMITH,
Deputy Minister of Marine and Fisheries

APPENDIX No. 32

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being Statement of Moneys received and disbursed by the Corporation
of Pilots for the Decayed Pilot Fund of Quebec, during the year, 1879.

RECEIPTS.		\$	cts.	\$	cts.
To Balance of 1878.....		4,119	56		
Percentage on contributions to Pilots.....		7,887	33		
Fines.....			10		
Interest on investments.....		3,276	00		
Interest—Savings Bank, \$181.12 } do On a Note 1.23 }			182		
				15,475	24
EXPENDITURES.					
To Pensions.....		12,551	15		
Relief.....			267		
Salaries.....		500	00		
General expenses.....			8		
Deposits at the Savings Bank.....		2,028	44		
Balance on hand.....			119		
				15,475	24
PILOTS RELIEVED BY THE FUND.					
Wm. Russell.....			72		
Edouard Antil.....			77		
Leandre Raymond.....			53		
Yves Sylvestre.....			34		
Damase Babin.....			30		
				267	22
PENSIONERS AT THE EXPENSE OF THE FUND.					
AMOUNT PAID TO EACH DURING THE YEAR FROM 1ST NOVEMBER, 1878, TO 1ST NOVEMBER, 1879.					
PILOTS.					
<i>Eleven Pilots at \$160 each, reduced to \$130 from 1st May, 1879.</i>					
Paul Blouin.....		130	00		
Frederick Bernier (arrears from 1st September, 1878).....			2		
do		130	00		
J. Bte. Dion.....		130	00		
Laurent Tremblay (pension from 1st January, 1879).....		103	33		
Charles Chouinard (died 28th October, 1879).....		129	33		
Joseph Raymond.....		130	00		
Joseph Langlois.....		130	00		
Frs. Joseph Pouliot.....		130	00		
J. Bte. Bourget.....		130	00		
Alexis Delisle (died 24th May, 1879).....			78		
Vital Chamberland.....		130	00		
				1,377	22
Carried forward.....				1,377	22

STATEMENT of Moneys received and disbursed by the Corporation of Pilots
for the Decayed Pilot Fund of Quebec, etc. —Continued.

	\$ cts.	\$ cts.
Brought forward.....		1,377 32
PENSIONERS AT THE EXPENSE OF THE FUND—Continued.		
PILOTS—Continued.		
<i>Eleven Pilots at \$140 each, reduced to \$110 each.</i>		
Féréol Bourget	117 50	
Cyprien Langlois.....	117 50	
Edouard Demers.....	117 50	
J. Bte. Pâquet.....	117 50	
Amable St. Laurent.....	117 50	
Joseph St. Laurent.....	117 50	
J. Bte. Turgeon.....	117 50	
François Xavier Lachance.....	117 50	
George Laplante, on account.....	62 50	
Olovis Antil.....	117 50	
Jean Frs. Lamarre.....	117 50	
F. X. Lapointe, from \$120 to \$100, on account.....	80 00	
Nicholas Paradis (died 15th December, 1878)	15 00	
		1,332 50
<i>Five Pilots at \$96 each.</i>		
Frs. Côté.....	96 00	
Pierre Gourdeau.....	96 00	
Jean Lavoie.....	96 00	
Louis Lemieux.....	96 00	
Michel Morin.....	96 00	
		480 00
<i>Nine Pilots at \$92 each.</i>		
F. X. Corriveau	93 00	
Frs. Curodeau (died 13th February, 1879).....	26 93	
Charles Dion (died 6th September, 1879).....	76 85	
Michel Fournier.....	93 00	
Joseph Lapointe.....	93 00	
Pierre Pâquet.....	93 00	
Frs. Pelletier.....	93 00	
Gabriel Plante.....	93 00	
Antoine Roussel.....	93 00	
		754 78
<i>Nine Pilots at \$88 each.</i>		
Pierre Charest.....	84 00	
Vital Charest (died 1st November, 1879).....	90 00	
Guillaume Fournier (arrears).....	48 00	
do.....	90 00	
F. X. Menard.....	90 00	
Frs. Nadeau.....	90 00	
Alexis Roy.....	90 00	
Celestin St. Pierre.....	90 00	
Edouard Vaillancourt.....	90 00	
Chas. Vézina (at \$80).....	90 00	
Olivier Vézina (died 18th September, 1879).....	70 00	
J. Leon Roy (at \$80).....	84 00	
Paul Pouliot.....	84 00	
James Forbes (\$48 on account).....	44 00	
Jos. Denis Lapierre (arrears).....	10 00	
do.....	30 00	
Michel Vézina (at \$80).....	87 00	
		1,261 00
Carried forward.....		5,205 60

**STATEMENT of Moneys received and disbursed by the Corporation of Pilots
for the Decayed Pilot Fund of Quebec, etc.—Continued.**

	\$	cts.	\$	cts.
Brought forward			5,205	60
PENSIONERS AT THE EXPENSE OF THE FUND—Continued.				
WIDOWS OF PILOTS.				
<i>Seventy-five Widows from \$80 to \$70 each.</i>				
Widow of C. J. Adam.....		72	50	
do J. B. Asselin.....		72	50	
do Antoine Labrègue (died 18th October, 1879).....		69	96	
do D. (M. L.) Asselin.....		72	50	
do Frs. Baquet.....		72	50	
do Grégoire Bernier.....		72	50	
do Magloire Bouchard.....		72	50	
do Charles Brown.....		72	50	
do Felix Caron (arrears).....		20	00	
do do.....		72	50	
do Germain Caron.....		72	50	
do Ed. Chevalier.....		72	50	
do Firmin Couillard.....		72	50	
do David Cinq-Mars.....		72	50	
do Paul Larochelle.....		72	50	
do Thomas Dick.....		72	50	
do Paschal Dick.....		72	50	
do Jean Dion.....		72	50	
do Augustin Duron.....		72	50	
do Frs. Curodeau (pension from 1st May, 1879).....		49	90	
do Pierre Gourdeau.....		72	50	
do Thos. Dunford (died 19th January, 1879).....		17	55	
do Joseph Dussil.....		72	50	
do Jean Gobeil.....		72	50	
do Alexis Pelletier.....		72	50	
do Louis Cressault.....		72	50	
do Jean Pelletier.....		72	50	
do Denis Glynn (arrears).....		20	00	
do do.....		72	50	
do Pierre Gourdeau.....		72	50	
do J. E. Adam.....		72	50	
do Wm. Irvine.....		72	50	
do C. F. Koenig.....		72	50	
do Ovide Lachance.....		72	50	
do F. Langelier.....		72	50	
do Julien Langlois.....		72	50	
do L. (E. D.) Langlois.....		72	50	
do Pierre Langlois.....		72	50	
do Frs. Lapointe.....		72	50	
do J. B. Laroche.....		72	50	
do A. (L. M.) Lavoie.....		72	50	
do Henri Lavoie.....		72	50	
do L. M. Lavoie.....		72	50	
do Firmin Lévesque.....		72	50	
do Jean Marcoux.....		72	50	
do Joseph Mercier.....		72	50	
do Ant. Michaud.....		72	50	
do Henri Noël.....		72	50	
do Pierre Normand.....		72	50	
do Benoni Normand.....		72	50	
do Thomas Connell.....		72	50	
do Nicholas Paradis (pension from 15th December, 1878).....		62	50	
do Alex. Ouellet.....		72	50	
do Max. Caron.....		72	50	
do J. Bte. Patoine.....		72	50	
do David Pettigrew.....		72	50	
do Benjamin Pineau.....		72	50	
do Paul Pouliot.....		72	50	
Carried forward.....	4,009	91	5,205	60

STATEMENT of Moneys received and disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—Continued.

		\$ cts.	\$ cts.
Brought forward.....		4,009 91	5,205 60
PENSIONERS AT THE EXPENSE OF THE FUND—Continued.			
WIDOWS OF PILOTS—Continued.			
<i>Seventy-five Widows from \$80 to \$70 each—Concluded.</i>			
Widow of	J. M. Plante.....	72 50	
do	Amable Genest.....	72 50	
do	Frs. Rioux.....	72 50	
do	Pierre Gourdeau (A. F.).....	72 50	
do	Eusèbe Thivièrge.....	72 50	
do	Fred. Simpson.....	72 50	
do	John Simpson.....	72 50	
do	Joseph Simpson.....	72 50	
do	George St. Amand.....	72 50	
do	R. C. Simard.....	72 50	
do	Pierre Ross.....	72 50	
do	Robert Demers.....	72 50	
do	Isaac Gourdeau.....	72 50	
do	Joseph Levesque.....	72 50	
do	J. Bte. Caron.....	72 50	
do	Amable Fournier.....	72 50	
do	Pierre Laprise.....	72 50	
do	Thomas Thèberge.....	72 50	
do	Ant. Boucher.....	72 50	
			5,387 41
<i>Eleven Widows from \$64 to \$56 each.</i>			
Widow of	Wm. Amyot.....	58 00	
do	Paul Blouin.....	58 00	
do	Frs. Boissinot.....	58 00	
do	Célestine Côté.....	58 00	
do	P. Desrosiers.....	58 00	
do	F. X. Lachance.....	58 00	
do	P. P. Lachance.....	58 00	
do	F. Leclerc (on account).....	44 00	
do	Michel Pelletier.....	58 00	
do	J. O'Reilly.....	58 00	
do	A. Royer.....	58 00	
			624 00
<i>Eight Widows from \$48 to \$44 each.</i>			
Widow of	J. Dandurand.....	45 00	
do	André Reable.....	45 00	
do	Guillaume Morency.....	45 00	
do	Magloire Rioux (arrears).....	12 00	
do	do (on account).....	33 00	
do	Pierre Rouleau.....	45 00	
do	J. B. Servant.....	45 00	
do	H. Verrault.....	45 00	
do	Alexis Delisle (pension from 24th May, 1879).....	30 36	
			345 36
<i>Fifteen Widows at \$40 each.</i>			
Widow of	Zach. Blanchet.....	40 00	
do	Michel Cavanagh (arrears).....	20 00	
do	do.....	40 00	
do	Tobie Caron.....	40 00	
do	Magloire Côté.....	40 00	
do	R. Côté.....	40 00	
do	Ant. Fortier.....	40 00	
do	L. (A. R.) Langlois.....	40 00	
Carried forward.....		300 00	11,562 37

STATEMENT of Moneys received and disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—Continued

	\$ cts.	\$ cts.
Brought forward.....	300 00	11,562 37
PENSIONERS AT THE EXPENSE OF THE FUND—Concluded.		
WIDOWS OF PILOTS—Concluded.		
<i>Fifteen Widows at \$40 each—Concluded.</i>		
Widow of Pierre Lapointe.....	40 00	
do P. Michaud.....	40 00	
do Thos. McNeil.....	40 00	
do Ed. Nolet.....	40 00	
do George Plante (died 4th March, 1879).....	13 78	
do A. Raymond.....	40 00	
do Louis Thivièrge (on account).....	30 00	
do George Simard (arrears).....	30 00	
do do (on account).....	30 00	
		603 78
CHILDREN OF PILOTS.		
David Charest (sick) 1.....	20 00	
Hil. Couillard do 1 (on account).....	10 00	
Henri Gauthier do 1.....	20 00	
D. Charest, Gervais, do 1 (on account).....	15 00	
W. Petitgrew do 2.....	35 00	
Thomas Boutin do 1.....	20 00	
Pierre Toussaint do 1.....	20 00	
Pierre Paquet do 1.....	20 00	
F. Dupuis do 1.....	20 00	
H. Fortin do 1.....	20 00	
Jos. Johan do 1 (arrears).....	5 00	
do do (on account).....	15 00	
E. Lavoie do 3.....	45 00	
Pierre Garneau 2.....	25 00	
B. Pineau 1 (on account).....	5 00	
Issaac Forbes 2.....	35 00	
H. Gourdeau 1 (arrears).....	15 00	
do do (on account).....	15 00	
Chas. Wm. Chouinard 1 (arrears).....	5 00	
do do.....	20 00	
		385 00
Total.....		12,551 15
RECAPITULATION OF PENSIONS.		
11 Pilots from \$160 to \$120.....	1,377 32	
11 do 140 to 110.....	1,237 50	
2 Pilots at \$100.....	95 00	
5 do 96.....	480 00	
9 Pilots from \$96 to \$92.....	754 78	
13 do 96 to 88.....	1,261 00	
75 Widows from \$80 to \$70.....	5,387 41	
11 do 64 to 58.....	624 00	
8 do 48 to 44.....	345 36	
15 Widows at \$40.....	603 78	
32 Children at divers amounts.....	385 00	
Total.....		12,551 15

STATEMENT of Moneys received and disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, etc.—Continued.

CREDIT.			
<i>Receipts—Detail.</i>		\$ cts.	\$ cts.
To Balance of 1878.....		4,119 56	
Syndics of the Quebec Roads: 1 year's interest on \$22,800, to the 1st July, 1879.....		1,368 00	
The City of Quebec: 1 year's interest on \$9,000, to the 1st July, 1879.....		630 00	
Dominion of Canada: 1 year's interest on \$19,300, to the 1st Oct., 1879.....		1,158 00	
Estate P. Boisseau: 1 year's interest on \$2,000, to 26th January, 1879.....		120 00	
Savings Bank: Interest on deposits.....		181 12	
do do note.....		1 23	
Fines: From Quebec Harbour Commissioners.....		10 00	
Amount received from the Corporation of Pilots.....		7,766 33	
do do Pilots Captains.....		121 00	
			15,475 24
DEBIT.			
<i>Pensions and Relief, &c., paid during the Season of 1879.</i>			
To Relief.....		267 72	
Arrears on pensions on 31st December, 1878.....		214 66	
Amount of the list of pensions for the quarter ending 31st Jan., 1879.....		3,483 88	
do do do 30th April, 1879.....		3,025 61	
do do do 31st July, 1879.....		2,597 67	
do do do 31st Oct., 1879.....		2,819 33	
1 year's salary to Treasurer and Assistant.....		500 00	
General expenses.....		8 00	
Deposits in Savings Bank.....		2,028 44	
Balance on hand.....		119 93	
			15,475 24
STATEMENT OF FUND.			
Moneys invested.....		53,352 71	
Moneys on hand, viz.: In Savings Banks.....		2,028 44	
do In the Treasurer's hands.....		119 93	
To deduct the arrears of pensions due to-day.....		55,501 08	
		138 12	
			55,362 96

F X. DION,
Treasurer

E. E.

QUEBEC, 31st December, 1879.

We, the undersigned, certify to having closely examined the books and accounts of the Decayed Pilot Fund of Quebec, and to having found them correct.

(Signed) J. RUELLAND,
Accountant.

CHARLES H. RAYMOND, }
THÉOPHILE ST. LAURENT, } *Auditors.*

APPENDIX No. 33

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING REPORT ON THE DECAYED PILOT FUND OF MONTREAL FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

HARBOUR COMMISSIONERS OF MONTREAL,
SECRETARY'S OFFICE,
MONTREAL, 12th January, 1880.

SIR,—I have the honour to forward herewith, for the information of the Honourable the Minister of Marine and Fisheries, statements of the receipts and disbursements of the "Montreal Decayed Pilot Fund," for the year ended 31st December 1879; also a statement showing the condition of the Fund.

The condition of the Fund continues to improve, the increase in poundage received being \$348.58, as compared with last year, and the total increase, \$1,689.90.

I have to report that widow August Mathon died on the 27th January, widow Antoine Belcourt on the 13th March, and old Pilot Olivier Boudreau on the 19th October. Old Pilot P. E. Cotté, aged 79, on the superannuated list, was granted an allowance of \$60 per annum.

There are now 23 pensioners on the Fund, viz:—20 women and 3 men, and the total amount paid them during the year was \$2,157.92.

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

H. D. WHITNEY,
Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

CR.

H. D. WHITNEY, Treasurer, in Account with Decayed Pilot Fund.

DR.

1879.	\$	cts.	1879.	\$	cts.
Nov, 25	7,275	59	May	822	50
do 28	60	00	do	11	25
do 29	48	60	do	22	50
Dec. 1	244	87	do	17	50
do 1	1,620	00	do	17	50
do 17	16	24	do	22	50
do	33	62	do	18	75
do 19	9	04	do	22	50
do 31	155	31	do	30	00
			do	30	00
			do	22	50
			Aug.	22	50
			do	22	50
			do	18	75
			do	22	50
			do	18	75
			do	22	50
			do	39	00
			do	15	00
			do	22	50
			do	22	50
			do	22	50
			do	17	50
			do	17	50
			do	22	50
			do	18	75
			do	22	50
			do	18	75
			do	22	50
			do	30	00
			do	30	00
			do	22	50
			do	22	50

 DECAYED PILOT FUND, 1879.

STATEMENT OF FUNDS.		\$	cts.
Montreal Harbour Bonds,	6½ per cent. interest	19,000	00
do	6 do	5,000	00
Montreal Waterworks Bonds,	6 do	2,000	00
Dominion Stock,	5 do	1,600	00
Cash deposited in City and District Savings Bank, at 4 per cent. interest.....	\$5,686 72		
Cash on hand.....	18 63		
		5,705	35
		\$33,305 35	

(Signed)

 H. D. WHITNEY,
Treasurer.

MONTREAL, 31st December, 1879.

I hereby certify that I have examined the statement of receipts and disbursements of the Treasurer of the Decayed Pilot Fund, for the year ended 31st December 1879; also the securities mentioned in the above statement belonging to this Fund and the cash on hand, all of which I find to be correct.

 (Signed) ANDREW ALLAN,
Harbour Commissioner and Chairman of Pilot Committee.

APPENDIX No. 34

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE
AND FISHERIES, BEING THE REPORT ON THE METEOROLOGICAL
SERVICE OF THE DOMINION FOR THE CALENDAR YEAR ENDED 31ST
DECEMBER, 1879.

SIR,—I have the honour to submit herewith my Annual Report for the year ending 31st December, 1879.

A considerable amount of progress has been made during the year, both in the collection of statistics and in the dissemination of information by the extension of the issue of daily probabilities and otherwise.

Reports have been received during the year from the following places for the first time:—

Ladner's Landing, B. C.

Humboldt, N. W. T.

Fort Albany, Ont.

Marten's Falls, "

Huntsville, "

Chatham, "

Strathroy, "

Barnston, P. Q.

Torbay, N. S.

Yarmouth, "

Bay of Islands, Newfoundland.

Two of these new stations, viz., Humboldt and Yarmouth, report twice a day by telegraph; as also do three others, Edmonton, Battleford and Prince Arthur's Landing, which have previously reported by mail only, so that the number of telegraph reporting stations in the Dominion is now 19, as against 14 at the commencement of the year.

The reports from these stations have already proved very useful, but the full benefit will probably not be derived from them for some time to come, as failures in telegraphic communication of considerable duration frequently occur.

The observations at Ingersoll, which have been discontinued for some time, have been resumed by a new Observer.

I regret that the observations at Esquimaux and Little Britain have been discontinued, owing to the death of the Observers.

The observations at Emerson and Sceley have also ceased through the observers having removed from their respective localities.

It is with regret that I have to record the death of Mr. F. Allison, M. A., which took place at Halifax, Nova Scotia, on the 29th of April. Mr. Allison was an energetic and enthusiastic worker in connection with this science, and took great interest in the formation and subsequent progress of the Meteorological Service. The co-operation of a number of observers in Nova Scotia, at the commencement of the service, was obtained through his aid, and he had himself been previously engaged in taking observations for a number of years. After his death, his first assistant, Mr. A. Allison, temporarily continued the observations for telegraphic reports until August, when, with your sanction, he was regularly appointed as Observer at Halifax.

The Chief Signal Officer having suggested that it would be desirable to change the hours for taking the observations, which are reported by telegraph, to others at equal intervals of eight hours, it was decided to alter the hours to 6.50 a.m., 2.50

p.m. and 10.50 p.m., Toronto time. This change took effect, both in the United States and Canada, on the 1st of November.

A list of stations at which observations are now taken is appended.

STORM WARNINGS.

It gives me great satisfaction to be able to report a continued increase in the accuracy of the storm warnings, and also a diminution in the number of telegraphic delays. In the year

1877	the percentage of warnings verified was.....	69.0
1878	“ “ “	78.3
1879	“ “ “	83.0

And the number of warnings which, owing to telegraphic delays, reached their destination too late to be of service, was reduced from 36 in 1878 to 18 in 1879.

TABLE No. 1 gives the Number of Warnings issued in each quarter and to each district during the year, with the number and percentage verified.

TABLE No. 1.

District.	Number Issued.					Number Verified.					Percentage Verified.				
	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.
Lakes.....	.....	57	35	200	292	.....	38	23	186	247	.....	66.6	65.7	93.0	84.6
St. Lawrence River & Gulf	3	33	22	89	147	2	29	12	73	116	66.6	87.9	54.5	82.0	78.9
Ocean.....	92	26	22	133	273	79	21	15	113	228	86.0	80.8	68.2	85.0	83.5
Total.....	95	116	79	422	712	81	88	50	372	591	85.3	75.9	63.3	88.1	83.0

Out of the 591 warnings which were fulfilled, 31 were issued too late to be of service to the shipping. Of these, 10 were for storms approaching the lakes from the north-west, and 9 for storms approaching the Maritime Provinces from the ocean, and the failure to give more timely warning was owing to the absence of information from a sufficient distance in these directions. Although 49 warnings in all, including those delayed in telegraphic transmission, were received late, 24 of these arrived at their destination before the storm reached its height.

TABLE No. 2 is given in order to show the direction from which storms usually approach our Ports.

TABLE No. 2.

Direction.	Lakes.				St. Lawrence River and Gulf.				Ocean.				Total.			
	No. Issued.	No. Verified.	No. not Verified.	Percentage Verified.	No. Issued.	No. Verified.	No. not Verified.	Percentage Verified.	No. Issued.	No. Verified.	No. not Verified.	Percentage Verified.	No. Issued.	No. Verified.	No. not Verified.	Percentage Verified.
North.....	10	5	5	50.0	.....	.....	.....	.....	11	11	.....	100.0	21	16	5	76.2
North-west.....	92	90	2	97.8	7	3	4	42.9	28	26	2	92.9	127	119	8	93.7
West.....	47	44	3	93.6	102	86	16	84.3	112	85	27	75.9	261	215	46	82.4
South-west.....	132	98	34	74.2	35	25	10	71.4	112	98	14	87.5	279	221	58	79.2
South.....	11	10	1	90.9	3	2	1	66.6	10	8	2	80.0	24	20	4	83.3
Total.....	292	247	45	84.6	147	116	31	78.9	273	228	45	83.5	712	591	121	83.0

A list of stations to which storm warnings are issued is appended.

PROBABILITIES.

The total number of weather predictions, other than storm warnings, was 4,089. Although this is an increase of 308 over the number in the previous year, the high percentage of accuracy was fully maintained.

A table is given showing the number of predictions and percentage of fulfilment for each district, in each month and for the whole year.

TABLE showing the Number of Predictions and Percentage of Fulfilment for each District in each Month and for the whole Year.

Month.	Lower Lake Region.					St. Lawrence.					Maritime Provinces.					Total.														
	No. Issued.	Verified.				No. Issued.	No. fully.	No. partly.	No. not.	Percentage fully.	Percentage fully and partly.	No. Issued.	No. fully.	No. partly.	No. not.	Percentage fully.	Percentage fully and partly.	No. Issued.	No. fully.	No. partly.	No. not.	Percentage fully.	Percentage fully and partly.							
		No. fully.	No. partly.	No. not.	Percentage fully.																			Percentage fully and partly.	No. fully.	No. partly.	No. not.	Percentage fully.	Percentage fully and partly.	No. fully.	No. partly.	No. not.	Percentage fully.	Percentage fully and partly.
January	132	104	17	11	78.8	91.7	94	18	11	76.4	91.1	123	94	18	11	76.4	91.1	120	85	20	15	70.8	87.5	283	85	37	75.5	90.1		
February	130	111	15	4	85.4	96.9	113	8	6	89.0	95.3	127	113	8	6	89.0	95.3	112	95	10	7	81.8	93.7	319	83	17	86.4	95.4		
March	134	101	24	9	75.4	93.3	93	14	6	82.6	94.8	116	93	14	6	82.6	94.8	116	88	16	12	75.9	89.7	365	51	27	77.8	92.6		
April	100	75	14	11	75.0	89.0	73	16	14	70.9	86.4	106	73	16	14	70.9	86.4	106	78	14	14	73.6	83.8	309	26	41	39	73.1	87.4	
May	121	103	13	3	85.1	97.5	100	12	4	86.2	96.6	108	100	12	4	86.2	96.6	108	82	11	15	75.9	86.1	345	285	38	22	82.6	95.6	
June	117	103	12	2	88.0	98.3	120	93	21	6	77.5	95.0	100	93	21	6	77.5	95.0	100	84	10	6	84.0	91.0	337	280	43	11	83.1	95.8
July	102	78	22	2	76.5	98.0	102	74	17	11	72.5	89.2	92	75	14	3	81.5	96.7	92	75	14	3	81.5	96.7	296	247	53	16	76.7	94.6
August	110	88	17	5	80.0	95.5	94	69	22	3	73.4	96.8	96	69	22	3	73.4	96.8	96	75	10	11	78.1	88.5	300	232	49	19	77.3	94.7
September	120	100	16	4	83.3	95.6	98	82	15	1	83.7	99.0	95	82	15	1	83.7	99.0	95	76	13	6	80.0	93.7	313	258	44	11	82.4	96.5
October	117	92	17	8	78.6	93.2	96	80	11	5	83.3	94.8	103	85	14	4	82.5	96.1	103	85	14	4	82.5	96.1	316	287	42	17	81.3	94.6
November	134	107	19	8	79.9	94.0	110	88	18	4	80.0	96.4	115	90	17	8	78.3	93.0	115	90	17	8	78.3	93.0	359	285	54	20	79.4	94.4
December	157	125	20	12	79.6	92.4	121	101	14	6	83.5	95.0	127	102	19	6	80.3	93.3	127	102	19	6	80.3	93.3	405	328	53	24	81.0	94.1
Year	1,474	1,187	208	79	80.6	94.6	1,325	1,062	186	77	80.2	94.2	1,290	1,015	163	107	78.7	91.7	4,089	3,264	563	263	79.8	93.6						

The list of Stations to which probabilities are distributed, is appended.

The number of places receiving these probabilities has been increased to about 125, which includes 5 Stations in Prince Edward Island, where I have not been able to send them previously, owing to my inability to make satisfactory arrangements for telegraphic transmission.

Both the probabilities and storm warnings would be improved for the St. Lawrence and Maritime Provinces, if reports were telegraphed at least once a day from Charlottetown, and still more if a suitable station could be established in lieu of Cape Rosier, the observations at which place were discontinued in November 1875.

The continuous growth of the system has necessarily entailed a corresponding increase in the work devolving on the staff at the central office, and it is now with great difficulty that they are able to keep pace with the ordinary routine work of the office, consequently there are many branches of investigation which would be likely to be productive of very beneficial results that are unavoidably neglected.

When it is considered that all the observations taken throughout the Dominion have to be critically examined, and that all calculations for reducing these observations are either for the first time performed, or carefully checked, in the central office, it will be obvious that this branch of the duties of the staff entails the expenditure of a very large amount of time. In addition to this, however, the weather conditions over nearly the whole of the continent are carefully mapped three times a day, weather reports and probabilities are published daily, and storm warnings issued when occasion requires.

It is to be hoped that the advisability of placing the staff on the Civil Service list, and thus giving a permanency to the appointments, will receive favourable consideration. There can be no doubt that such a proceeding would tend greatly to the advancement of the service, as at present the loss at any time of two or three of the staff would throw the work into almost hopeless confusion.

The Monthly Weather Review, containing a brief description of the atmospheric conditions and movements in various parts of the country, as well as a short notice of every storm, has been published regularly.

I have to express my thanks to the volunteer observers for their valuable assistance and co-operation; considering that little if any immediate benefit is obtained by them as a result of their observations, the country is to be congratulated on having so many who sufficiently recognize the importance of the science to devote their service to it gratuitously.

The Chief Signal Officer at Washington, D.C., has continued courteously to interchange reports with this office for the mutual benefit of the two services, and also to furnish us with information, etc., as in former years. For his cordial co-operation he has my hearty thanks.

Before closing this report it may be well to call attention to the natural growth in the public appreciation of the usefulness of the work. The storm warnings are looked for by all interested in shipping, and applications to be furnished with daily probabilities are numerous.

In order that we may be able to some extent to meet this demand for information, I hope shortly to be able to make arrangements which will more than treble the number of probability stations, by having posted a daily weather bulletin at nearly every railway station in Canada. If the weather reports are made public in this way, as well as in the daily newspapers and numerous post offices, as at present, they will be available for practical purposes to by far the greater portion of the people in Canada.

Although, owing to the limited funds placed at my disposal, it is impossible to do all that is desirable in the way of placing information and conclusions regarding the weather immediately before the public, I trust that the efforts already made in this direction will be appreciated.

The great interests which the country has at stake in its shipping has led me in the past to pay as much attention as possible to the prompt issue and publication of storm warnings. There is still, however, much to be accomplished in this branch of

the service. The accuracy of the warnings has, as already stated, gradually increased, and the time has now come when it would be advisable to make this information available at all points of the coast at which there is any shipping. Dr. Fortin's scheme will do much in this direction, but there are still many points which are not reached. Were only two or three vessels saved it would more than pay for the cost of the whole service.

To increase our knowledge of meteorology, and especially of the laws of the formation and progress of storms, it is necessary that we should obtain observations taken at sea. Other countries have paid special attention to the subject of maritime meteorology; but in Canada nothing has been done, the time and energies of the office being taken up in other directions. Considering, however, that the shipping interest occupies such a prominent position among the interests of the country, and now that our storm warnings and probabilities are an assured success, an effort might be made to obtain information from parts of the ocean which few except Canadian vessels traverse; particularly between Nova Scotia and the West Indies. In England there is a special Department of the Meteorological Office presided over by a superintendent who devotes his sole attention to this work, and which in addition to discussing general questions of ocean meteorology, publishes from time to time, instructions for aiding mariners in their navigation, and also for avoiding severe storms.

Charts are also issued showing the prevalent winds in particular parts of the ocean during each month in the year. Similar information is collected by the ships of European and other countries, and also by those of the United States.

Before it was thought possible to predict the weather with any certainty, the agricultural interests received most attention; but in Canada agricultural meteorology has unfortunately fallen somewhat into the background, much reliable information, which would have been of very great value for disseminating among intended immigrants, might have been collected, and would have aided greatly in the settlement of the North-West.

To collect information available for agricultural purposes we require a very large increase in the number of stations at which observations are taken of the rainfall and general weather, and a smaller number at which temperature observations are also taken. The study of the influence of the weather on crops should prove of great interest to the farming population of Canada.

The extensions which I have here indicated would undoubtedly necessitate a small increase to the present appropriation for this service.

I hope that the Government will consider that the results of these investigations will justify the necessary increase in expenditure.

All of which is respectfully submitted.

G. T. KINGSTON,

Superintendent of the Meteorological Service.

METEOROLOGICAL STATIONS in correspondence with the Central Meteorological Office, Toronto.

CHIEF STATIONS.

Province.	Station.	Superintendent.
Nova Scotia.....	Sydney	T. C. Hill.
	Halifax.....	Frederick Allison, M.A. A. Allison (a).
New Brunswick.....	St. John.....	G. Murdoch, C.E.
	Fredericton.....	Professor Harrison, University of New Brunswick.
Quebec..... (3)	Quebec.....	Lieut.-Col. T. B. Strange, R.A.
	Montreal.....	C. H. McLeod, C.E.
Ontario..... (3)	Kingston.....	Lieut.-Col. Irwin, R.A.
	Woodstock.....	Professor J. Montgomery. Professor N. Wolverton, B.A. (b)
Manitoba.....	Winnipeg.....	Officers of St. John's College.
British Columbia.....	Spence's Bridge.....	John Murray.

(a) From April 29th. (b) From October 1st. (3) Chief Stations in a partial sense only.

REPORTING TELEGRAPH STATIONS.

Station.	Observer.	Station.	Observer.
(1) Sydney, C.B., Nova Scotia.....	T. C. Hill.	Kingston, Ontario.....	S. Wood, M.A.
(1) Halifax, Nova Scotia.....	F. Allison.	Toronto do.....	Observatory.
Chatham, New Brunswick.....	G. A. Blair.	Port Dover do.....	H. Morgan.
Father Point, Quebec.....	J. McWilliams.	Port Stanley do.....	M. Payne.
Quebec, Quebec.....	Capt Ashe, R.N.	Saugeen do.....	K. Stewart.
(1) Montreal, Quebec.....	C. H. McLeod, C.E.	Parry Sound do.....	Rev. R. Mosley.
Rockliffe, Ontario.....	W. H. McIntyre.	(2) Fort Garry, Manitoba.....	J. Stewart.

(1) Also Chief Station. (2) Also First Class Ordinary Station.

RESERVE TELEGRAPH STATIONS.

Station.	Observer.	Station.	Observer.
St. Andrews, N.B.....	Dr. Gove.	Stayner, Ontario	R. J. Cole.
(2) Charlottetown, P.E.I.....	H. J. Cundall, C.E.	Brockville do	W. R. Bigg.

(2) Also First Class Ordinary Station.

CAUTIONARY STORM-SIGNAL STATIONS.

Station.	Person in Charge.	Station.	Person in Charge.
(b) St. Andrews, N.B.....	Dr. Gove.	Quebec, Quebec.....	J. B. Donaldson.
(1) St. John, N.B.....	G. Murdoch, C.E.	Montreal do	C. S. Blackman.
(d) Digby, N.S.....	W. H. Taylor.	(a) Kingston, Ontario.....	S. Woods, M.A.
Liverpool, N.S.....	J. L. Hemmeon.	Cobourg do	F. Reynolds.
(1) (a) Halifax, N.S.....	F. Allison, M.A.	Port Hope do	T. F. James.
(e) Cow Bay, N.S.....	C. Archibald.	Queen's Wharf, Toronto.....	A. Taylor.
(d) Little Glace Bay, N.S.....	C. H. Rigby.	Gibraltar Point do	G. Durnan.
(1) (a) Sydney, N.S.....	T. C. Hill.	Oakville, Ontario.....	S. Bell.
(d) Port Hastings, N.S.....	Peter Grant.	Burlington Beach, Ontario...	J. Campbell.
Louisburg, N.S. ...	W. H. Townsend.	Hamilton do ...	G. Black.
(e) Pictou, N.S.....	M. Campbell.	(e) Port Dalhousie do ...	E. F. Dwyer.
(e) (b) Charlottetown, P.E.I.	H. J. Cundall, C.E.	Port Colborne do ...	D. Hughes.
Pointe du Chêne, N.B.....	H. H. Schaefer.	(a) Port Dover do ...	H. Morgan.
(a) Chatham, N.B.....	G. A. Blair.	(a) Port Stanley do ...	M. Payne.
(e) Bathurst, N.B.....	Hon. J. Ferguson.	(e) Goderich do ...	G. N. Macdonald.
(d) Dalhousie, N.B.	H. A. Johnson.	(e) Kincardine do ...	Dr. Martyn.
Percé, Quebec.....	P. Vibert.	Saugeen do ...	Thomas Davis.
Gaspé, do	J. Eden.	(e) Presqu' Ile do ...	J. Mackenzie.
(a) Father Point, Quebec.....	J. McWilliams.	Collingwood do ...	Arthur Bligh.

(1) Chief Station. (a) Reporting Telegraph Station. (b) Reserve Telegraph Station. (c) First Class Ordinary Station. (d) Second Class Ordinary Station. (e) Third Class Ordinary Station.

ORDINARY STATIONS.

Station.	Observer.	Station.	Observer.
NOVA SCOTIA.		NEW BRUNSWICK—Concluded.	
<i>Class I.</i>		<i>Class II.</i>	
Truro, Colchester.	James Little, M.A.	(f) Dalhousie, Restigouche..	H. A. Johnson.
King's College, Windsor.	Prof. J. E. Oram, M.A.	Grindstone Lighthouse.....	James Clark.
(f) Port Hastings, C.B.....	Peter Grant.	Lepreau do	G. Thomas.
Torbay.....	J. Wilson.	Sackville.....	Officers of Mount Allison College.
Yarmouth.....	Lt. E. Wilmott, R.N.		
<i>Class II.</i>		<i>Class III.</i>	
Digby.....	W. H. Taylor.	Dorchester.....	E. V. Tait, M.A.
Baddeck.....	R. Elmsby.		
Cranberry Island Lighthouse	J. Hanlon.	QUEBEC.	
Sand Point Lighthouse	J. Mundell.	<i>Class I.</i>	
<i>Class III.</i>		Huntingdon.....	Dr. Shirriff.
Beaver Bank	James Grove.	Cranbourne.....	P. Cassidy.
Cow Bay.....	C. Archibald.	<i>Class II.</i>	
White Point	J. Challoner.	Lighthouse at { Bird Rocks.....	P. Whalen.
Ramah, Labrador.....	S. Weize.	{ Anticosti, S. W. Pt.....	E. Pope.
NUWFOUNDLAND.		{ Belle Isle.....	M. Colton.
<i>Class I.</i>		{ Amour Point.....	P. Godier.
St. Johns.....	John Delaney.	Chicoutimi.....	Rev. Abbe Huart
Channel.....	N. Smith.	St. Prime.....	Rev. E. St. Hillaire.
Fogo.....	James Fitzgerald.	Richmond.....	Officers of St. Francis College.
<i>Class II.</i>		<i>Class III.</i>	
Bay St. George.....	H. Macdonald.	Danville.....	C. J. Devey.
Hearts Content.....	E. Weedon.	Brome Corners, Brome.....	G. F. Hall.
Placentia.....	G. M. Carson.	Carleton (Convent).....	Ladies in residence.
Bett's Cove.....	A. G. Haney.	Barnston.....	M. J. Chamberlin.
Bay of Islands.....	Capt. Howarth, R.N.	ONTARIO.	
PRINCE EDWARD ISLAND.		<i>Class I.</i>	
<i>Class I.</i>		Little Current, Algoma.....	G. B. Abrey, C.E.
(b) (f) Charlottetown.....	H. J. Cundall, C.E.	Norwood, Peterborough.....	Rev. T. F. Fotheringham, M.A.
<i>Class II.</i>		Granton, Middlesex.....	James Grant.
Georgetown.....	Dr. Kaye.	(f) Kincardine, Bruce.....	Dr. Martyn.
Sonris.....	D. Sutherland.	Windsor, Essex.....	A. Sinclair, M.A.
Kilmahumaig.....	James Hunter.	Simcoe, Norfolk.....	Rev. G. Grant, B.A.
NEW BRUNSWICK.		Hamilton, Wentworth.....	G. Dickson, B.A.
<i>Class I.</i>		Stratford, Perth.....	C. J. Macgregor, M.A.
(f) Bathurst.....	Hon. J. Ferguson.	Goderich, Huron.....	H. J. Strang, B.A.
		Belleville, Hastings.....	R. Dawson, B.A.
		Peterborough, Peterborough.	J. F. Jeffers, M.A.
		Barrie, Simcoe.....	H. B. Spotton, M.A.
		Cornwall, Stormont.....	J. Smith, M.A.
		Pembroke, Renfrew.....	A. Thompson.
		Prince Arthur's Landing, Algoma.....	W. P. Cooke.
		Ottawa.....	Rev. A. F. Kemp, LL.D.
		London.....	W. J. Mackintosh.
		Moose Fort.....	J. R. Nason.

ORDINARY STATIONS—*Concluded.*

Station.	Observer.	Station.	Observer.
<i>ONTARIO—Concluded.</i>		<i>NORTH-WEST TERRITORIES.</i>	
<i>Class II.</i>		<i>Class I.</i>	
Brampton, Peel.....	J. Reynolds.	York Factory.....	W. Wood.
Gravenhurst, Muskoka.....	T. M. Robinson.	Battleford.....	Hospital Steward Price
Beatrice do.....	J. Hollingworth.	Fort Walsh, Cypress Hills....	T. R. Neale.
Fitzroy Harbour, Carleton....	Rev. James Tait.	Fort Macleod.....	Medical Officer.
Welland, Welland.....	H. A. Willet.	Fort Rae.....	A. Flett.
Newmarket.....	J. Morrison, M.A., M.D.		
Galt.....	J. Gordon Mowat.	<i>Class II.</i>	
Point Clark.....	John Young.	Fort Calgary.....	Medical Officer.
Point Pelée.....	James Cummins.	Fort Simpson.....	Rev. W. D. Reeve.
Nottawasaga Island.....	G. Collins.	Qu'Appelle.....	H. Keenan.
Clapperton Island.....	B. Baker.	Shoal Lake.....	Sub-Insp. French.
Owen Sound.....	J. McLean.	Marten's Falls.....	John Clark.
Fort Albany.....	W. K. Broughton.	Humbolt.....	G. Weldon.
Ingolf.....	D. Rodger, C. E.		
Islington.....	Rev. B. Spence.	<i>BRITISH COLUMBIA.</i>	
Chatham.....	W. J. Pruse.	<i>Class I.</i>	
Strathroy.....	E. Nugent, M. D.	Esquimalt.....	W. H. Bevis.
Ingersoll.....	Rev. E. U. Bland.	New Westminster.....	Capt. A. Peele.
		<i>Class II.</i>	
<i>Class III.</i>		Stuart's Lake.....	G. Hamilton.
Georgina, York.....	Capt. Sibbald, R.N.	Ladner's Landing.....	W. H. Ladner, M.D.
Orillia, Simcoe.....	H. A. Fitton.		
(f) Port Dalhousie.....	E. F. Dwyer.	<i>Class III.</i>	
Lakefield.....	H. Lefevre.	Langley.....	James Mackie.
(f) Goderich.....	G. N. Macdonald.	Matsqui.....	John Maclure.
(f) Presqu'île.....	John Mackenzie.	Chilliwack.....	John McCutcheon.
<i>KEEWATIN.</i>		Hope.....	John G. Wirth.
<i>Class I.</i>		Lytton.....	W. H. Wright.
Gimli.....	J. Taylor.	Caché Creek.....	J. Clemitson.
<i>Class II.</i>		Clinton.....	M. O'Connor.
Fort Alexander.....	A. K. McKenzie.	Soda Creek.....	Henry Yeates.
<i>MANITOBA.</i>		Lilloet.....	A. W. Smith.
<i>Class I.</i>		Quesnelle.....	James Stone.
(a) Fort Garry.....	James Stewart.	Kamloops.....	John Usher.
Poplar Height.....	A. C. O'Bierne.	Spalamichin.....	A. L. Fortune.
Manitoba Penitentiary.....	S. L. Bedson.	O'Kanagan Lake.....	A. Postell.
Emerson.....	Rev. M. Jukes.	Dougllass Lake.....	Ronald McRae.
<i>Class III.</i>		Nicola Lake.....	E. Dalley.
Little Britain.....	Hon. D. Gunn.		
Ossowa.....	W. H. Turton.....		
Poplar Height.....	J. Spiers.		

(a) Reporting Telegraph Stations.

(f) Cautionary Storm Signal Stations.

STATIONS from which Special Weekly Reports of Observations made at 7:25 a.m., Toronto Time, are received.

Station.	Observer.	Station.	Observer.
NOVA SCOTIA.		ONTARIO.	
(f) Glace Bay.....	C. H. Rigby.	(c) Cornwall	J. Smith, M.A.
(f) Port Hastings.....	P. Grant.	(1) Woodstock.....	Prof. Montgomery.
(c) King's College, Windsor.	Prof. Oram, M.A.	(c) Norwood	Rev. T. Fotheringham, M.A.
NEW BRUNSWICK.		(c) Granton	J. Grant.
(c) Bathurst.....	Hon. J. Ferguson.	(c) Stratford.....	C. J. Macgregor, M.A.
(d) Dalhousie.....	H. A. Johnson.	(c) Peterboro'.....	J. F. Jeffers, M.A.
(1) Fredericton.....	Prof. Harrison.	(c) Hamilton.....	G. Dickson, B.A.
(1) St. John.....	G. Murdoch, C.E.	NORTH-WEST TERRITORY.	
QUEBEC.		(c) York Factory.....	W. Wood.
(1) Quebec Citadel.....	J. B. Donaldson.		

(1) Also Chief Station; (c) also First-class Ordinary Station; (d) Second-class Ordinary Station
 (f) Cautionary Storm Signal Station.
 At Woodstock, Ont., Fredericton and St. John, N.B., observations are regularly made at the other hours for telegraphic observations.

INSTRUMENTS AND BOOKS have been supplied to the following Stations, but no returns from them have yet been received.

Station.	Observer.	Station.	Observer.
ATHABASCA.		ATHABASCA—Concluded.	
Three Stations.....	Officer in charge.	Class II.—Concluded.	
Class II.		Temiscamingue, Nipissing.....	Rev. J. W. Pian
Fort McPherson Peele's Riv'r.....	J. M. Dougal, C. T.	Anticosti.....	Mr. Tétu.
Rampart House.....	F. Samison.	Lake St. John:]	
Fort Resolution.....	A. McFarlane, C. T.	St. Jérôme.....	Rev. J. B. Vallée.
Great Slave Lake.....	Officer in charge.	St. Louis.....	Rev. A. Girard.
Fort Chippewyah.....	J. Bunn.	BRITISH COLUMBIA.	
Saskatchewan.....	Rev. J. McKay.	Inverness, Skeena River.....	W. M. Neill.
Edmonton.....	Rev. H. Budd.	McLeod Lake.....	J. McKenzie.
Stanley, English River.....			
Devon, Cumberland.....			

PROBABILITY STATIONS.

Agents of the Dominion Telegraph Company.

ONTARIO.

Aurora.	Galt.	Orillia.	Prescott.
Barrie.	Gananoque.	Oshawa.	Sarnia.
Belleville.	Goderich.	Ottawa.	Scaforth.
Berlin.	Guelph.	Owen Sound.	Simcoe.
Bowmanville.	Hamilton.	Paris.	Smith's Falls.
Brampton.	Ingersoll.	Pembroke.	Southampton.
Brantford.	Kingcardine.	Peterboro'.	Stratford.
Brockville.	Kingston.	Perth.	Strathroy.
Caledonia.	Lindsay.	Picton.	St. Catharines.
Chatham.	London.	Port Burwell.	St. Marys.
Clifton.	Meaford.	Port Colborne.	St. Thomas.
Cobourg.	Mount Forest.	Port Dalhousie.	Toronto.
Collingwood.	Napanee.	Port Dover.	Uxbridge.
Cornwall.	Newmarket.	Port Elgin.	Waterloo.
Dundas.	Niagara.	Port Hope.	Wellington.
Elora.	Oakville.	Port Perry.	Whitby.
Fergus.	Orangeville.	Port Stanley.	Woodstock.

QUEBEC.

Aylmer.	Montreal.	Rivière du Loup.	Terrebonne.
Berthier (<i>en haut</i>).	Quebec.	St. John's.	Three Rivers.
Jolietto.			

NEW BRUNSWICK.

Andover.	Memramcook.	Salisbury.	Sussex.
Dorchester.	Moncton.	Sackville.	Woodstock.
Fredericton.	Petitcodiac.	St. John.	

NOVA SCOTIA.

Amherst.	Halifax.	Pugwash.	Tor Bay.
Cape Canso.	Hampton.	River John.	Truro.
Dartmouth.	New Glasgow.	Tatamagouche.	Wallace.
Guysboro'.	Pictou.		

Agents of the Montreal Telegraph Company.

ONTARIO AND QUEBEC.

Belleville.	Kingston.	Peterboro'.	Picton.
Guelph.	Lindsay.	Petrolia.	Port Dalhousie.
Hamilton.			Whitby.

Montreal.

Agents of the Anglo-American Telegraph Company.

PRINCE EDWARD ISLAND.

Alberton.	Georgetown.	Souris.	Summerside.
Charlottetown.			

Agents of the Western Union Telegraph Company.

North Sydney, C.B.

Agents of the Quebec, Ottawa and Occidental Railway.

QUEBEC.

Hochelaga.	Hull.	Lachute.	Mile End
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APPENDIX No. 35.

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING THE REPORT OF THE DIRECTOR OF THE MAGNETIC OBSERVATORY, TORONTO, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

SIR,—In the Report which I had the honour to make to the Department for the year 1874, I gave an outline of the origin and objects of this and the other Colonial Observatories, which were set in operation by the Imperial Government in 1839. I also briefly described the various instruments and their uses; and gave a short summary of the facts connected with magnetism, which have been brought to light by the Toronto Observatory and kindred institutions.

It will, therefore, be sufficient in this Report to enumerate, with greater brevity, the various observations made in this establishment, and to make such remarks in regard to it as may seem expedient.

The observations comprise three general classes:—

- Magnetical;
- Metcorological;
- Astronomical.

Magnetic Observations.

The primary facts to be ascertained are the values and changes in the magnetic elements, which elements are the following:—

The Direction of the Earth's Magnetic Force, defined by two angles; the Declination, and the Inclination or Dip.

The Intensity of the Magnetic Force.

The term Element is applied also to the horizontal and vertical components of the force, named for brevity the horizontal and vertical forces; while the force, to distinguish it from its components, is usually called the total force.

For determining the elements above named, the following apparatus is employed:—

- (1). Declinometer and Azimuth Circle, for the declination;
- (2). Dip Circle and Needles, for the dip;
- (3). Vibration and Deflection Apparatus, for the horizontal force.

The total force may be computed from the horizontal force and the dip; or, it may be determined by an independent instrument.

The Differential Magnetometers, for observing the changes in the values of the elements are:—

- (1). The Differential Declinometer;
- (2). The Bifilar, for measuring changes in the horizontal force;
- (3). The Balance or Vertical Force Magnetometer;
- (4). The Induction Inclinometer.

The above named differential instruments are ordinarily read seven times daily.

Photographic Magnetometers.

In addition to the Differential Magnetometers that are read by the eye, the Observatory is provided with Magnetographs, or self-recording photographic magneto-

meters; the traces obtained from which supply a continuous record of the values of the magnetic elements.

These instruments resemble in their general character those of the Observatory of the Royal Society at Kew.

They are mounted in the underground room, which was constructed in the autumn of 1878 to take the place of the wooden structure which they formerly occupied, and whose gradual decay and destruction by the floods of that season, were referred to in my last Report.

The expense attending the construction of the new circular stone cellar and its approaches, and for which no special grant was allowed, fell so heavily on the small annual allowance for contingencies that I was compelled, most reluctantly, to postpone the starting of these instruments for several months after they had been ready. They are now, however, in satisfactory operation.

Meteorological Observations.

The ordinary meteorological instruments for eye observation are read six times daily. In addition to these, we have had in operation since the early part of 1876, a Thermograph, and a Barograph. The latter has been transferred to the underground room, in order that it may be exempted from the changes of temperature, to which, in its former position, it was exposed. In the spring of 1875, a new Anemograph superseded the old instrument that had been in operation for many years.

All the self-recording instruments are similar to those used at the observatories in connection with the British Meteorological Office.

As stated in my last Report, the Anemograph is mounted above the School of Practical Science adjoining the Observatory inclosure, a platform having been erected for its support through the kindness of the Honourable Adam Crooks, the Minister of Education for Ontario. The height of the cups above the ground is 92.5 feet.

Astronomical Observations.

The only astronomical observations for which this Observatory possesses appliances, are those for the determination of time, which is necessary for the magnetical and meteorological observations. The time, as determined by this Observatory, is also the standard by which all the clocks and watches in Ontario have been regulated for forty years, and for more than eight years the observatory has given time daily to the city by striking all the fire-alarm bells at a fixed instant, 11.55 a. m.

Buildings and Premises.

The residences of the Staff have undergone sundry repairs, at a cost of \$311.80, which has been taken from the allowance for general contingencies, as no special fund for this purpose has been provided.

The residence of the Director is very much out of repair, and needs new shingling and painting throughout.

The expenses of the establishment in the year ending 30th June, 1879, amounted in all to \$4,799.16.

The above is respectfully submitted,

G. T. KINGSTON,

Director.

To the Honourable
The Minister of Marine and Fisheries.

APPENDIX No. 36.

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING THE REPORT ON THE MONTREAL OBSERVATORY FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

McGILL COLLEGE,
MONTREAL, January 10, 1880.

SIR,—I have the honour to present the Annual Report of the McGill College Observatory for the year ending December 31st, 1879:—

The meteorological work done during the year has consisted in the continuation of the tri-hourly series of observations, referred to in former reports; in the transmission, each day, of three telegraphic signals to the Central Meteorological Office, at Toronto; in the publication, through the local press, of daily, monthly and yearly results; and in attending to the inquiries of persons seeking special information. No change has taken place in our equipment of meteorological instruments, since I had the honour to describe them in a previous report.

During the year, the Observatory has been presented with some valuable astronomical instruments by Charles S. Blackman, Esq., B.A., formerly of Montreal, and now a resident of New Haven, Conn. These are as follows:—An Equatorial Telescope; a Transit Instrument; a Mean-Time Astronomical Clock; a two-day Chronometer; a Sidereal Clock; an Electric-Dial; Two Minute Breakers and an adjustable Meridian Mark with Lense.

The Telescope has a focal length of seven feet, and a $6\frac{1}{4}$ in. aperture; it is provided with seven celestial, one terrestrial and one zenith eye-piece. The object glass is by H. G. Fitz, of New York, and the mounting by W. T. Gregg, of the same place. The declination circle is 6 inches in diameter, and is graduated to read to minutes of arc. The right ascension circle is of the same diameter and reads to 6 seconds of time. The motions in declination and R. A. are both fast (friction) and slow (tangent screws with handles). The seeker has an aperture of 2 inches.

To accommodate this instrument the tower of the Observatory was partially rebuilt, and a new pier carried up from seven feet below the surface of the ground to a total height of 31 feet 2 inches. The pier is entirely free from contact with the building, and the telescope is thus protected from the vibrations to which a house is subject. The cylindrical form of dome was adopted for the Equatorial Room; it is rotated on iron balls, rolling between two iron troughs or grooves. The lower portion of the tower is used as a clock and electrical appartus room.

The Mean-time Clock is by Howard, of Boston, with Denison gravity escapement and zinc and steel pendulum compensation. It is provided with electric attachments for minutes and seconds contact.

The Transit Instrument—by Jones & Son, of Charing Cross, London,—is of $3\frac{1}{4}$ inches aperture, and 42 inches focal length. It is mounted on a solid stone pier, and is sheltered by a small wooden structure. The position of this instrument was of course chosen so as to obtain the best possible view of the Meridian. It is situated about seventy feet to the east of the main Observatory building.

The Sidereal Clock is mounted in the Transit House, where are also an electric dial or seconds jumper and a minute breaker, which are in connection with the mean-time clock. A second dial and minute breaker are placed in the equatorial room.

Since the 1st of October, the true mean-time has been given to the city and shipping by the dropping of a ball, placed on the dome of the Harbour Commissioners' building, and by striking all the fire alarm bells at noon, precisely. This latter is not done directly from the Observatory, but through the Fire Department; the error of the clock in the Fire Alarm Office being determined by signals from this Observatory at specified times, between 11.55 a.m. and noon. This service is a continuation of the work done by Mr. Blackman previous to his departure from Montreal; the city having for many years, and—through his very handsome donation to this Observatory—still continuing to be indebted to him for a knowledge of true time.

The mounting of the instruments having only been completed late last fall, no special astronomical work has, as yet, been undertaken.

I have the honor to be, Sir,

Your most obedient servant,

C. H. McLEOD,

Superintendent.

To the Honourable

The Minister of Marine and Fisheries.

APPENDIX No. 37

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING THE REPORT ON THE QUEBEC OBSERVATORY FOR THE CALENDER YEAR ENDED 31ST DECEMBER, 1879.

THE OBSERVATORY,
QUEBEC, 1st January, 1880.

SIR,—I beg to submit the following Report of this Observatory for the year just ended.

The duties of the Observatory principally consist of giving the time during the season of navigation to the shipping of the Port, and then and for the remainder of the year to the city, and by means of the Montreal Telegraph Company, to that section of the Intercolonial and North Shore Railways that use Quebec time, taking part in any outside astronomical work that may require this Observatory as a standard of comparison, and supplying such information as other observatories, scientific institutions, and others may require.

Electric Time Ball and Noon Gun.

The Ball was dropped for the first time during the year on May 13th, and the last time on November 29th (Sundays not being included) the number of failures (with one exception, being out of the control of the Observatory) was 8 per 100, but since the adoption of an improved system and electrical instruments on October 12th, the Ball has not once failed, and I have every reason for believing that in the future this system will give complete satisfaction.

The observations in connection with the time giving consisted of 426 complete transits.

This Observatory took part this year in the determination of the difference of longitude by electric telegraph, between Quebec and Cross Point, in the County of Bonaventure, at the request of the Provincial Government, as well as lending the instruments for the work at that Station (Cross Point).

The instruments belonging to this Observatory, consist of:—

A *Refracting Equatorial Telescope*, by Alvin Clark, of eight inches clear aperture and 14 feet focal length.

A *Transit Instrument*, by Troughton and Simms, of 36 inches focal length and 2½ inches aperture.

A *Portable Transit Instrument* of the same dimensions.

A *42-inch Telescope* with a 3-inch aperture and tripod mounting.

A *Spectroscope*.

A standard *Mean Time Clock* by Moleneux, and a standard *Sidereal Clock*, by Dent.

A *Ship's* and a *Pocket Chronometer*.

A complete set of *Meteorological Instruments*.

The *Equatorial Telescope* has in past years been, amongst its other uses, employed in connection with solar photography, and it is proposed in the future to resume this work, as it is believed that this Observatory has climatic advantages which admit of these results being equal if not superior to those of any other observatory.

The *Transit Instrument* is in use in connection with the determination of the time.

The Portable Transit Instrument is used wherever the work of this Observatory requires a temporary observatory, either for longitude or latitude purposes, and is also lent for this use occasionally.

The 4 inch Telescope and Spectroscope are chiefly used in connection with eclipses, etc.

The Mean and Sidereal Clocks are used for the time-ball, longitude purposes, etc.

The Ships' and Pocket Chronometers are in use; the first at the Citadel to notify the Assistant there of the approach, approximately, of the time when the Ball ought to fall, and also with the pocket chronometer as time keeper at any temporary Observatory.

The Meteorological Instruments are used in connection with the system of weather reports which are forwarded to the Meteorological Office, Toronto.

The Library of this Observatory has now reached important dimensions, containing an unlimited number of exchanges and reports, bound and unbound, of other observatories and societies, together with the principle star catalogues and books of reference in connection with this subject.

I have the honour to be, Sir,

Your obedient servant,

E. D. ASHE,

Director of the Observatory.

The Honourable

The Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 38

TO THE TWELFTH ANNUAL REPORT ON THE DEPARTMENT OF MARINE AND FISHERIES, BEING THE REPORT OF THE KINGSTON OBSERVATORY FOR THE CALENDER YEAR ENDED 31st DECEMBER, 1879.

The Board of Management of the Observatory beg leave to submit for the information of the Minister of Marine and Fisheries, the following Report:

The usual observations were made by the Observer, and opportunities afforded to the public of inspecting the building and instruments. Besides minor repairs, a section of the sliding cover of the slit in the dome having been blown off and broken in a storm during the fall, has been replaced by a new one which is stronger than the former and works very well.

In consequence of the rapid growth of trees around it, and the very exposed position of the Observatory in a public park, the Board are desirous to have the instruments removed to a higher site which has been secured for the purpose, where observations may be carried on with more quietness and a more extended field of view. In order that this may be effected, it is proposed that the corporation of the city purchase the present building to form the residence of the caretaker of the park, and that a new Observatory building be erected out of the purchase money on the site just referred to. Negotiations have been entered upon with this view, and it is hoped that by next year the Board may be able to report that the proposed transfer and building have been completed.

JAMES WILLIAMSON,

Director.

APPENDIX No. 39.

TO THE TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING THE REPORT OF THE WORKING OF THE TIME BALL AT SAINT JOHN, NEW BRUNSWICK, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

St. JOHN, 5th January, 1880.

SIR,—The Time Ball has been regularly dropped every day (Sundays excepted) precisely at 1 o'clock, p. m., affording ship masters an excellent opportunity of testing their Chronometers.

In consequence of the destruction of the Custom House Building by the great fire of June, 1877, I was compelled to get up a temporary Ball, placing it at the Anchor Line Warehouse, this being the most conspicuous place which could be obtained for benefit of the shipping in the harbour.

I am in hopes that the new Custom House Building will be ready in the spring, and the tower which is being built for the Time Ball will be much more conspicuous than the old one, it being at a greater elevation.

I also trust that the Department will comply with a request that I have made, to have a room fitted up as an Observatory, on the top of the Building, where there will be so solid a foundation for a Transit Instrument immediately adjoining the tower on which the Time Ball will be placed.

If permission can be obtained to do so, I will give all the attention necessary to have the pillar for the Transit Instrument properly placed. I propose having it built on the top of one of the vaults, which will be equally as solid as if the pillar was placed on a rock.

An Observatory so placed, belonging to the Department, might be used for other scientific purposes.

I have the honour to be, Sir,

Your obedient servant,

GEO. HUTCHINSON,

Director of Time Ball.

To WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 40.

TO THE TWELTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES, BEING REPORTS ON SUNDRY MARINE HOSPITALS FOR THE FISCAL YEAR ENDED 30TH JUNE, 1879.

BATHURST, N. B.

The Commissioners in charge of this hospital report that on the first day of July 1879, there were no patients in hospital.

During the year seven patients were admitted, remaining there, in the aggregate, eighty nine days. There were no deaths. All the patients were discharged cured or much improved.

The expenses for the year were \$188.27.

The allowance to the Matron is fifty cents per diem for each patient for food and attendance, with apartments free, and \$25 per annum for fuel.

The fixed salary of the medical officer is forty dollars per annum, including medicine. Where a capital or other operation requiring an assistant is necessary an additional allowance is made.

By promptly attending to damage or decay on their first appearance the hospital building has been kept in fair repair at small cost, and the inmates find it yet quite comfortable.

MIRAMICHI, N. B.

Dr. Thomson, the Medical Superintendent, reports that there have been admitted into this hospital during the year ended 30th June last, 32 seamen; 28 have been treated, cured and discharged, and 4 were in the hospital under treatment on 1st July, 1879.

The treatment of the several cases occupied from one week to 120 days.

During the past season the hospital has been thoroughly repaired and new out-houses built, which will be more comfortable for the keeper and convenient for the patients.

RICHIBUCTO.

Five patients from the previous fiscal year remained under treatment in the aggregate 44 days, while 7 others were admitted during the year ended 30th June last, and remained, in the aggregate, 184 days, when all were discharged with the exception of one.

Dr. Doherty, the Medical Superintendent, records no deaths.

SACKVILLE, N. B.

Dr. Fleming, Medical Superintendent, reports 10 admissions to this hospital for the fiscal year ended 30th June 1879, all of whom have been discharged either cured or relieved.

ST. JOHN, N. B.

The Commissioners of the Marine Hospital at the Port of St. John, New Brunswick, in submitting their annual report of the hospital under their charge for the year ending 30th June, 1879, and the medical officer's return of sick and disabled

seamen received in the hospital for the same period, state that there remained in the "Kent" Hospital 12 seamen on the 30th June 1878, under medical treatment, and 145 were subsequently admitted, making 157 under medical treatment during the year, of which number 143 recovered, 3 died, and 11 remained under treatment on the 1st July 1879.

Dr. Botsford, the medical officer, reports that the rate of mortality in the hospital, not exceeding 3 deaths for the past year, fully sustains its efficiency in diet, care and medical treatment.

The quarterly accounts with vouchers and receipts for the Department have been forwarded, amounting to the sum of \$4,439.34 for the year ending 30th June, 1879, the amount required for the quarterly payments being duly received.

The duties required of the officers in charge of the sick wards continue to be performed efficiently. The medical officer reports that all supplies required for the seamen under his care continue of approved quality, and the sick and disabled seamen have all comfort available in the limited wards of the old hospital building, and the spacious grounds for the convalescent are very beneficial.

Dr. Harding, in charge of the pest-house on Partridge Island, reports that the seamen arriving at St. John the past year were free from any infectious disease, and that the post-house has not been required for use.

ST. ANDREW'S.

There have been 11 admissions to this hospital for the fiscal year ended 30th June 1879, and the expenditure has been less by the sum of \$26.22 than previous year,

77 weeks and 4 days' board and nursing seamen were paid the Matron and Keeper.

Dr. Gove, the Medical Superintendent, reports the buildings, fences and grounds in good order.

Account of Expenditure and Receipts.

DR.

Expenditure for quarter ended September, 30, 1878.....	\$123 51
" " " December, 31, 1878	174 79
" " " March 31, 1879.....	146 88
" " " June 30, 1879.....	221 57
	\$666 75

CR.

By receipts, for above year, in quarterly payments, for said respective amount, per J. H. Harding, Esq., Agent of the Department at St. John..	\$666 75
--	----------

SYDNEY, C. B.

The number of patients under treatment in this hospital during the fiscal year ending 30th June 1879, was 22, all of whom recovered.

The Medical Superintendent, Dr. McGillivray, reports that the ward of the hospital was occupied the whole year, winter as well as summer.

CHARLOTTETOWN, P. E. I.

The Marine Hospital at this Port has been doing good work during the past year. In co-operation with the agent of the Department, the Medical Superintendent, Dr. Taylor, has been endeavouring to concentrate at this hospital all the sick sailors of

the Island, so as to save the extra expense of their maintenance and medical treatment at other places, as most of them can be removed when landed to this hospital.

70 patients were admitted during the year, none of whom died. Most of them were cured, and the remainder greatly relieved.

SOURIS, P. E. I.

Since the appointment of Dr. E. P. Ford as medical officer of this hospital on the 6th May last, 4 seamen have been admitted and have been cured or greatly relieved. Nothing has occurred at this hospital calling for special attention.

VICTORIA, B. C.

Dr. Davie, Medical Superintendent of this hospital, reports that for the last fiscal year 45 patients were admitted, one death occurred from consumption, and the remainder were discharged cured or relieved so far as the nature of the cases admitted.

The average stay per patient in the hospital has been 35 days. As stated in former reports, only the more serious cases are sent to the hospital.

The condition of the hospital is all that can be desired.

WM. SMITH,

Deputy Minister of Marine and Fisheries.

APPENDIX No. 41

To the Twelfth Annual Report of the Department of Marine and Fisheries,
being General Summary of Expenditure, for the Fiscal Year ended
30th June, 1879.

Vide Report Page.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
17	Maintenance of Lights above Montreal.....	74,687 78	
18	do between Quebec and Montreal.....	14,917 95	
24	do below Quebec.....	93,178 61	
47	do New Brunswick.....	57,499 02	
66	do Nova Scotia, including Sable Island Humane Establishment.....	120,182 29	
93	do Prince Edward Island.....	12,158 72	
97	do British Columbia.....	15,152 73	387,677 10
100	Construction of Lights above Montreal.....	11,993 75	
101	do between Quebec and Montreal.....	1,183 28	
101	do below Quebec.....	2,971 30	
102	do New Brunswick.....	22,593 14	
104	do Nova Scotia.....	17,386 97	
106	do Prince Edward Island.....	2,560 88	58,694 32
92	Cape Race Light Dues.....		769 04
209	Minister's Salary and Civil Service Staff.....		33,610 19
158	Construction of Telegraph Line between Mataane and Fox River.....		15,000 00
107	Dominion Steamers.....		111,783 05
118	Examination of Masters and Mates.....		4,250 12
120	Investigations into Wrecks and Casualties.....		1,691 33
128	Marine and Immigrant Hospital, Quebec.....		20,791 77
129	Marine Hospitals, Sick and Disabled, Shipwrecked and Distressed Seamen.....		37,445 57
149	Meteorological Observatory.....		37,000 00
154	Observatory, Montreal.....		500 00
156	do New Brunswick.....		1,066 99
155	do Quebec.....		2,400 00
157	do Toronto.....		4,799 14
119	Registration and Survey of Canadian Shipping.....		158 34
117	Remeasurement of Steamers in Inland Waters.....		80 92
159	Removal of Obstructions in Navigable Rivers.....		305 86
121	Rewards for Saving Life, purchase of Life-boats, &c.....		2,833 10
92	Special Payment (Donald McNeill).....		200 00
115	Steamboat Inspection.....		13,076 46
123	Water Police, Quebec.....		23,023 76
124	do Montreal.....		13,462 74
182	Fisheries.....	53,435 84	
200	Fish-breeding.....	19,888 75	
207	Fisheries Protection Steamer.....	8,994 48	82,319 07
	Total Expenditure.....		852,878 87

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

SUPPLEMENT No. 1

TO THE

TWELFTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES
BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 1879.

REPORTS

OF THE

CHAIRMEN OF THE BOARDS OF

STEAMBOAT INSPECTION

AND EXAMINERS OF MASTERS AND MATES,

THE

TORONTO, MONTREAL, QUEBEC AND PICTOU

HARBOUR COMMISSIONERS,

THE PILOTAGE AUTHORITIES,

THE HARBOUR AND SHIPPING MASTERS, THE PORT WARDENS, AND ON THE
HARBOUR POLICE OF MONTREAL AND QUEBEC, TOGETHER WITH
STATEMENT OF WRECKS AND CASUALTIES AND LIST
OF REWARDS FOR SAVING LIFE

CHIEFLY UP TO THE

31ST DAY OF DECEMBER, 1879.

PRINTED BY ORDER OF PARLIAMENT.



OTTAWA:

PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET.

1880.

SUPPLEMENT No. 1.

The Hon. JAMES C. POPE, M.P.,
Minister of Marine.

SIR,—I have the honour to submit herewith Supplement No. 1 to the Twelfth Annual Report of the Department of Marine and Fisheries, being for the year 1879; containing the Reports of the Chairmen of the Boards of Steamboat Inspection and Examiners of Masters and Mates, the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour and Shipping Masters, the Port Wardens, and on the Harbour Police of Montreal and Quebec, together with Statement of Wrecks and Casualties and List of Rewards for Saving Life.

My remarks, on the subjects specified in the above-mentioned Reports, will be found in the Annual Report of this Department, submitted on the 1st January last.

I have the honour to be, Sir,

Your most obedient servant,

WM. SMITH,

Deputy Minister of Marine and Fisheries.

Department of Marine and Fisheries,
Ottawa, 15th May, 1880.

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APPENDIX No. 1

REPORT OF THE CHAIRMAN OF THE BOARD OF STEAMBOAT INSPECTION FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

BOARD OF STEAMBOAT INSPECTION,
CHAIRMAN'S OFFICE,
TORONTO, 1st Jan., 1880.

Honourable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I beg leave to submit herewith my annual report for the year ended 31st December, 1879.

I regret that I have to report a greater loss of life by steamboats, during the past year, than has occurred in Canada in the previous twenty-two years of my connection with the service. For the first time (so far as I am informed) in the history of lake navigation, a steamer has gone down with all on board, leaving no one to tell the story of the disaster and scarcely a vestige of the wreck, to indicate how it happened. I am directed to hold a preliminary enquiry into the wreck of the "Waubuno," the vessel alluded to; it would, therefore, be improper for me to hazard any opinion respecting it. It is to be hoped that sufficient evidence may be got to account for so dreadful a catastrophe.

Albert Bergeron, a fireman on the tug "Dauntless," of Quebec, lost his life by the blowing out of the injector pipe from the boiler of that vessel, owing to its insufficient attachment thereto. A coroner's inquest was held at Montreal, where the accident occurred. The jury in their verdict censured Mr. Samson, Inspector of Quebec, for great negligence and want of judgment in not carrying out the law in respect to the mode of securing the pipe. Mr. Samson, on the other hand, claims that the pipe was deranged from the vessel capsizing, and that, had she been inspected as required by law, after she was capsized the pipe connection would, in all probability, have been examined and the accident prevented.

The passenger propeller "Persia," running between St. Catharines and Montreal, collided with a schooner off Presqu'île, Lake Ontario. The schooner struck her forward on the starboard side, the bowsprit making a clean sweep, on that side, of the upper cabins to the after-gangways. Although passengers were sleeping in the rooms at the time, strange to say, no one was injured.

The passenger steamer "J. W. Steinhoff," of Chatham, Ont., was burned at the wharf, in August, at Detroit. Two passengers, a lady and boy, were lost, being unable to get off the steamer. The captain, Andrew Steinhoff, his wife and child had narrow escapes; he jumped overboard with the child and she on to the dock; the captain and his wife were badly burned, but the child escaped unhurt.

The Inspector at Montreal reports the loss of the tugs "Philip Becker" and "A. O. Thayer," on Lake Ontario, but gives no particulars and makes no reference to having taken any steps to obtain any information of the disaster from the owners. Whether the vessels were of a fleet having dredges in tow, bound for Port Dalhousie, and reported in the newspapers as dispersed in a storm, I am not informed.

The casualty returns furnished by inspectors in the several divisions of the Dominion, have reference chiefly, except those I have alluded to, to accidents not endangering life.

Acting on instructions from the Department, of 24th June and 7th July last, on the subject of over-crowding excursion steamers with passengers, I prepared a rule for regulating the number of persons on such vessels. The rule assumed the length and breadth of a vessel at the water line to be the chief factor in the measurement of her stability and seaworthiness, taking the draught of water in paddle steamers as about the same. The rule had reference to steamers of the best class, rating their capacity at about 900 persons including crew; inferior vessels not so stable or seaworthy were to be rated according to their merits in this respect. Owners of the best boats would, I think, have favoured the rule but some of the other steamers being rated much higher by their owners than the rule allowed no general approval of it could be got, and the matter still remains in abeyance. The grievance appears to have grown out of the cheap fares charged upon these vessels, and can, by the owners of the steamers raising the fares, be at once stopped; it is, therefore, a matter that, I think, may be left with them and the captains they place in charge of their steamers, making both responsible, by Act of Parliament, for the consequences resulting from such cause. The practical enforcement of any regulation in this direction would necessitate providing an officer at each gangway of every steamer, and, even then, much would depend on the master of the vessel to assist in carrying the law out.

The practice among assistant engineers of assuming the place and duties of chief engineer, above the position for which their certificates qualify them, has become so frequent that the Board has deemed it proper to recommend as punishment for the offence that the certificates of several engineers so offending be revoked for three months. One case of drunkenness is also reported, and as it resulted in great damage to the machinery of the steamer of which the person was in charge, and not being the first offence, the revocation of this certificate for 12 months was recommended.

A meeting of the board was convened at Montreal on the 16th October, and at Toronto on the 6th December last. At Montreal the Inspectors from Quebec, Sorel, Maritime Provinces and Montreal attended; at Toronto, the Kingston Inspector, Inspector Meneilley, and myself made a quorum. Besides the usual proceedings, passing engineers' examination papers, and renewing the certificates of qualified engineers, rules for the guidance of Inspectors examining engineers were revised, and in some minor points enlarged. Rules and regulations for the uniform inspection of steamers were also revised, all of which have been submitted for the approval of Council.

RULES AND REGULATIONS FOR THE GUIDANCE OF INSPECTORS INSPECTING STEAM VESSELS.

First. Steamboats not exceeding 200 tons, requiring but one pump as prescribed in sub-section 20, section 21, of the Act: such pump shall be placed aft, unless the space forward is kept free to admit at all times of easy access to the pump and hose, in which case the pump may be placed forward.

Second. In determining the standard of strength of boiler flues, subject to external pressure, the Inspector shall, in conformity with the provisions of section 7 of the Act, assume one-third the pressure allowable as a working pressure for a new boiler, as prescribed in section 2 of the section referred to; and no flue over 16 inches diameter shall be made of less than quarter-inch plate. The spaces between the stays in steam chimnies of boilers measured on the inside of the chimney, shall not exceed twice that of the stays on the flat surface of the boiler.

Third. That, in order to satisfy himself as to the strength and condition of a boiler as required by section 7 of the Act, the Inspector may, if he deems it necessary, order holes to be cut in it, and may also demand that such information be furnished him as to the interior construction of the boiler as will enable him to judge correctly of its strength.

Fourth. The standard of strength of the shell of a boiler, as prescribed by sub-section 2, section 7, of the Act, limits the working pressure to which it may be subjected, to 8,400 pounds to the square inch, but as the braces, stays and pins on the flat sur-

face of the boiler are subject to greater loss of strength from waste, and to more unequal and irregular strain than the shell, 6,000 pounds to the square inch shall be the limit allowable as a working pressure upon those parts. This rule shall also apply to all boilers of steamboats now in use.

Fifth. In compliance with sub-section 5, section 7, of the Act which refers to the safety of pipes in connection with boiler cocks and valves attached to the boiler, such cocks and valves shall be substantially made, and in no case shall they be attached to the boiler by screwing them into the plate, unless as an additional security; flanges to be provided and bolted to the boiler in addition to such attachment.

Sixth. In no case shall a certificate be granted for a boiler, when the plates in it have been strained or weakened by the use of drift pins in bringing the holes in the plates together.

Seventh. In cases where the declaration on oath, by the maker of a boiler, as to the quality of materials and workmanship in it, as required by section 1, 37 Vic., chap. 30, cannot be obtained, owing to the absence of the maker, or from other cause deemed sufficient, the affidavit of a practical boiler-maker, who shall examine the boiler and report on the quality of the materials in it, and the workmanship and strength of it, shall, if satisfactory to the Inspector inspecting the boiler, be deemed sufficient in lieu of the declaration referred to.

Eighth. Inspectors are in future to condemn, as far as possible, the use of upright tubular boilers in steamboats, in which the water-level is maintained below the upper end of the tubes.

Ninth. That space in the shell of the boiler enclosed by the steam drum shall be strengthened by rivetted angle-iron, or otherwise to compensate for the unequal pressure to which that portion of the shell is subjected.

Tenth. That Rule second, for determining the strength of flues in boilers subject to external pressure, shall apply in all cases, except when such flues are less than four feet in length, when the working pressure allowable may be increased inversely as their length in the proportion of two to one, thus: a flue four feet long, the working pressure allowable being fifty pounds, a similar flue two feet long, the working pressure would be 100 pounds.

Eleventh. That, in future, when bars or angle-iron are used for sustaining the crown sheet of the furnace of a boiler, three-fifths of the working pressure allowable upon the crown sheet be sustained by hanging stays from the shell of the furnace to the crown sheet. This rule may not apply to boilers in which the crown sheet of the furnace is less than thirty-six inches wide. The measurement of the crown sheet, in applying the above rule, is to be taken between the sides and ends of the furnace.

Twelfth. Inspectors are to discourage (except in staying cylindrical furnaces) the use of angle-iron in staying furnaces and crown sheets of furnaces in steamboat boilers.

Thirteenth. That donkey-boilers on steamboats are required, under the general provisions of the Steamboat Inspection Act, to be provided with two safety-valves, one of which may be locked up.

Fourteenth. That the Rule of the Board, fixing the area of safety-valves at one-third the width of the boiler in inches, the locked valve being two-fifths and open valve three-fifths, that area shall, in future, be adhered to for new boilers between five and ten feet in width; that in no case shall the area of the open and locked valves together be less than half a square inch for each square foot of grate surface in the boiler.

Fifteenth. Boilers in which the longitudinal seams in cylindrical sheet are single rivetted in place of double rivetted, shall be subject to a reduction in the working pressure allowable for a boiler made in the best manner, as prescribed in sub-section 2, section 7 of the Act, of twenty per cent., the limit of pressure in boilers so made not to exceed eighty pounds to the square inch in place of one hundred pounds as named in the section of the Act above referred to. This rule to apply to all boilers made after this date.

Sixteenth. It shall not be lawful, under the provisions of the Steamboat Inspection Act, for any person to keep watch as engineer on a steamboat who does not hold a certificate from the Board qualifying him for such position.

Seventeenth. It shall not be lawful for any engineer to act in the double capacity of engineer and master on any steamboat.

RULES FOR THE GUIDANCE OF INSPECTORS EXAMINING ENGINEERS.

1st. No person shall be qualified for third or second-class assistant engineer who has not served an apprenticeship of not less than three years in a marine engine shop, or worked at some mechanical employment in a machine shop not less than four years, or served as fireman on steamboats not less than five years. And such person so qualified shall be recommended by his employer, or chief engineer, as a sober, attentive and reliable man; he shall be capable of taking care of the feed water and pumps and valves in connection therewith, he shall know when the boiler is foaming, the cause of its foaming and how it may be stopped, also to find the level of the water when foaming; he should also have some knowledge of the comparative strength of steam boilers in proportion to their diameters, other things being the same in their construction, the chief cause of injury to them, the mode of keeping them clean and of repairing them; he should also know the use and working of the steam safety valves, blow-off valves and water and steam gauges.

2nd. No person shall be qualified for first-class assistant engineers certificate who does not read and write legibly, and possess the qualifications of a second or third-class assistant engineer. He shall have had one season's experience as assistant engineer on a steamboat; he must understand perfectly the construction and working of the feed pumps, the mode of setting the steam valves eccentrics, lining the engine and adjusting its connections, the causes of the engine heating, and the means usually taken to guard against it; he must understand the construction of the steam piston, how to pack his engine and make any joint in any of its parts, the mode of putting a patch on a boiler, also the mode of laying up an engine for the winter.

3rd. A third-class chief engineer shall have the qualifications of a first-class assistant engineer, with not less than two seasons' experience as engineer on steamboats. He must know the rules of arithmetic and be able to calculate the highest working pressure for a boiler of given dimensions and material according to the limit allowed by law.

4th. A second-class chief engineer shall have the qualifications of a third-class chief engineer with not less than three years' experience on steamboats, two of which he shall have had charge as chief, of not less than one hundred tons registry.

5th. A first-class chief engineer shall have the qualifications of a second-class chief engineer with not less than five years' experience on steamboats, three of which he shall have had charge as chief of steamers over three hundred tons registry. He must be competent to calculate the thickness of plate required for a boiler of given dimensions to carry a fixed pressure of steam; also, the dimensions of the boiler and thickness of plate given, the pressure that would be allowed upon it. He must calculate the strength of the stays, and tensile and crushing strength of the materials used in its construction; he must calculate the capacity of the feed-pump, the area of the safety valve for a boiler of given dimensions; the power of an engine from a diagram of its working, and define the position of her crank and eccentrics as indicated by diagrams. He must know the relative volumes of steam and water at different temperatures and pressures; the chemical constituents of coal and their mechanical equivalents, and quantity of air required for their combustion. He must be competent to make a working drawing of any part of an engine, and explain the operation of the engine or any of its parts in connection with the whole.

6th. The temporary certificate, authorized by Section 26 of the Act, shall not be granted unless the qualifications of the applicants are such as in the opinion of the chairman and the inspector making the examination entitle him to a Board certificate of equal grade.

7th. Temporary endorsed certificates, under Sections 32, 33 Vic., chap. 39, may be granted by the Board, or by any inspector with the consent of the chairman, when the above rules may be departed from ; if, upon full consideration, the Boards or any inspector or the chairman, are satisfied that the character, habits of life, knowledge and experience of the applicant in the duties of the position are such as to entitle him to a certificate.

In view of exempting steam pleasure yachts from the operation of the Steamboat Inspection Act, the Board addressed a letter to the Department recommending that such steamers, when not used for hire, be so exempted.

The question as to whether floating grain elevators used in harbours and propelled by steam-power, being submitted, the Board decided that such vessels come under the operation of the Act.

Inspectors when examining engineers for certificates below the grade of third-class chief engineer, may omit questions from 30 to 38, Form No. 3 inclusive, should the applicant be unable to answer them ; but if competent, they should be submitted to him, and the answers entered on the form.

All examinations for first-class chief engineer must be new and separate from former examination papers.

A letter from Mr. Abell, Inspector at Manitoba, was laid before the Board at Toronto, recommending that the working pressure allowable upon steamboats in his division be increased 100 to 120 pounds to the square inch. A numerously-signed petition from E. V. Holcomb, of Winnipeg, accompanied the letter, setting forth the urgent necessity, both in the public interest and the nature of the navigation, the shallow waters in the rivers and strong currents, for the increase. Having travelled on the steamers in August last, the low-water period, I could judge of the difficulties the boats had to overcome ; and although strongly adverse, owing to the danger attending it, of any increase in the present limit of pressure on steamboat-boilers, I was so impressed with the necessity for the increase for these particular craft, that I brought the subject before the Board at Montreal, but it was strongly opposed ; it met also the same reception at Toronto. The Toronto Board, however, recommended that if steel of the best quality be substituted for iron in the manufacture of steamboat boilers, and the holes in sheets drilled instead of punched, the workmanship of the best quality, the Act be amended so as to admit a working-pressure of 125 pounds to the square inch in place of 100 pounds, the present limit allowable upon boilers made of iron plates, as prescribed.

During the year 1879 there have been issued 1,163 certificates to engineers, as follows :—

First, second and third class engineers.....	453
do do assistant engineers.....	658
Limited class	52
Total.....	1,163

The sum of \$2,888 has been received by me in payment of the same, and paid over to the Receiver-General to the credit of the Steamboat Inspection Fund.

TABLE A.

Year.	Gross Tons.	Registered Tons.	Gross Tons.	Registered Tons.	Gross Tons.	Registered Tons.
			Increase.	Increase.	Decrease.	Decrease.
1873.....	92,298	56,457				
1874.....	102,138	62,518	9,840	6,061		
1875.....	117,251	72,851	15,113	10,333		
1876.....	111,953	67,996			5,298	4,851
1877.....	118,588	71,713	6,635	3,717		
1878.....	155,064	94,377	36,476	22,564		
1879.....	155,631	94,686	566	308		

Table B exhibits the gross and registered tonnage of all the steamboats in the Dominion, whether inspected or not inspected, during the year 1879. The amount of dues and fees collected on account of their inspection; also, the amount paid by engineers for certificates during the same period.

TABLE B.

Division.	Gross Tons.	Registered Tons.	Dues and Fee
West Ontario, Huron and Superior.....	52,668.44	34,268.31	\$ cts. 3,257 08
East Ontario.....	17,628.06	10,306.46	1,134 05
Montreal.....	23,438.00	13,010.00	1,563 04
Three Rivers.....	20,387.00	11,990.00	1,069 52
Maritime Provinces.....	14,515.00	9,056.00	1,187 48
Quebec.....	17,365.00	9,126.00	747 40
British Columbia.....	7,462.86	5,449.91	508 15
Manitoba.....	2,166.70	1,479.58	146 62
Engineers' fees.....			2,888 00
Total Revenue.....			12,504 34

NUMBER and Class of Steamers in the Dominion, 1879.

TABLE C.

Division.	Number.	Paddle.	Screw.	Passenger.	Freight.	Tugs.
West Ontario, Huron and Superior.....	217	36	181	90	23	104
East Ontario.....	107	32	75	65	12	30
Montreal.....	135	63	72	52	23	60
Three Rivers.....	55	41	14	32		23
Quebec.....	103	52	51	27	1	75
Maritime Provinces.....	109	45	64	52	1	56
British Columbia.....	37	22	15	30		7
Manitoba.....	12	8	4	6	5	1
Total.....	775	299	476	354	65	356

STEAMERS added to the Dominion during the year 1879.

TABLE D.

Division.	Number.	Gross Tons.	Registered Tons.	Paddle.	Screw.	Passenger.	Freight.	Tugs.
West Ontario, Huron and Superior.....	11	857-08	557-94	.....	11	10	1	.....
East Ontario.....	8	398-62	258-13	1	7	6	1	1
Montreal.....	7	520-00	316-00	1	6	4	1	2
Three Rivers.....	5	778-00	410-00	4	1	5	.....	.....
Quebec.....	3	477-00	278-00	2	1	1	.....	2
Maritime Provinces.....	10	580-00	322-00	4	6	7	.....	3
British Columbia.....	6	980-50	851-17	3	3	2	4	.....
Manitoba.....	3	951-17	643-01	3	.....	3	.....	.....
Total.....	53	5,539-37	3,637-25	18	35	38	7	8

STEAMERS lost, broken up or put out of service, during the year 1879.

TABLE E.

Division.	Number.	Gross Tons.	Registered Tons.	Paddle.	Screw.	Passenger.	Freight.	Tugs.
West Ontario, Huron and Superior.....	7	897-01	571-22	3	4	2	3	2
East Ontario.....	1	10-00	10-00	.....	1	1	.....	.....
Montreal.....	3	127-00	18-00	1	2	3	.....	.....
Three Rivers.....	4	565-00	252-00	4	.....	.....	.....	4
Quebec.....	5	672-00	292-00	4	1	2	.....	3
Maritime Provinces.....	5	438-00	162-00	1	4	1	.....	4
British Columbia.....	1	28-12	19-33	.....	1	.....	.....	1
Manitoba.....	1	25-00	23-00	1	.....	1	.....	.....
Total.....	27	2,762-13	1,347-55	14	13	10	3	14

CASUALTY RETURNS.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Steamer "Northern Belle," of Collingwood, when near Gore Bay, on Georgian Bay, broke her piston and cylinder cover, caused by the breaking of the gib and key of the connecting rod.

Steamer "Scotia," while lying at the dock at Chicago, took fire in the enclosure round the steam chimney of the boiler. It was soon extinguished without much damage.

Tug "Bob Hacket," of Windsor, while towing on Lake Huron, the key securing the screw to the shaft came out, disabling the vessel.

Steamer "Rothesay," of Toronto, running between Niagara and Toronto, broke the cross-head of the engine; a spare one was carried on the steamer, the detention of the vessel was very short. Later in the season this vessel also broke her paddle shaft.

Steamer "City of Toronto," of the Toronto and Niagara route, stranded at Fort Missisqua in a fog; she was got off after several days and taken to Ogdensburg, hauled out and repaired; later in the season the connecting rod gave way, ending in a complete smash-up of the engine.

Propeller "Persia," running between St. Catherines and Montreal, was run into by a schooner off Presqu'Isle, Lake Ontario. The bow of the schooner fetched up at the after-gangway of the steamer, the bowsprit raking and carrying away the upper stateroom along with some of the rigging forward.

Steamer "J. W. Steinhoff," burnt at the dock, Detroit. Two passengers, a lady and boy, lost their lives, being unable, from the rapidity of the fire, to get ashore. The captain, his wife and child, had very narrow escapes, but were saved. The two former were severely burned.

Steamer "City of Montreal," running between Cleveland and Port Stanley, Lake Erie, by the breaking of the top connection of the connecting rod, broke the piston and cylinder cover. The engine at the time was in charge of an unlicensed engineer.

Steamer "Alexander," about four miles from Belle River, Lake St. Clair, took fire and sunk. The crew escaped in the boat.

Steamer "Ontario," of Hamilton, burnt at the dock at Port Lambton.

Tug "M. I. Mills," sunk and abandoned at Fort William, Lake Superior.

Steamer "Waubuno," of Collingwood, 22nd November, while on her way to Parry Sound from Collingwood, in very heavy weather, and in a snow-storm when off Bagley Island, Georgian Bay, is supposed to have struck, the vessel and all hands lost. The direct cause of the disaster is not known; an enquiry is to be instituted, which, it is to be hoped, will bring out the cause of the wreck. Besides the crew of the steamer, in all fifteen persons, there were, so far as known, ten passengers at the time she went down.

Fishing tug, "S. C. Doty," on the north shore of Georgian Bay, in November, was caught in a gale of wind and took shelter behind Mink Island, where she lost her anchor and chain; from there she again took shelter under Christian Island, where she was beached. She was finally taken to Collingwood.

Steam barge "Vanderbilt" when on her way from Midland to Goderich loaded with lumber, when about the middle of the Georgian Bay, was struck by a squall of wind which listed her over to port and shifted the deck load; the sea breaking over the vessel filled the engine room fire hold, putting out the fires, and in a few seconds nearly filling the hold of the vessel. She drifted about until the tug "Prince Alfred" came to her relief and towed her into port.

KINGSTON DIVISION.

Steamer "Magnet" ran into the steam barge "Water Lily" at Kingston dock, owing to the improper handling of the engine by the assistant engineer.

Barge "Kitty Friel" loaded with lumber, took fire from a spark from her chimney. Vessel scuttled and a total loss.

Tug "Frank Perin" by the breaking of the connecting rod strap, broke her piston cylinder cover and flange of the cylinder.

Tug "Jessie Hall" broke her shaft.

No loss of life reported in the division during the year on steamers.

THREE RIVERS DIVISION.

No steamboat accidents or injury to persons reported.

QUEBEC DIVISION.

Steam tug "Progress" went ashore in a fog at the west end of Hare Island on her way down the River St. Lawrence.

Steam barge "Van Allen," of Chatham, while on her way from Montreal to Quebec, the engine cross-head gave way, disabling the engine.

Steamer "Eugenie," while on her way between St. Croix and Quebec, grounded on the rocks and stranded.

Steamer "City of Ottawa," running between St. Croix and Quebec, when making her wharf at St. Nicholas got aground on the rocks and burned to the water's edge.

Tug "Dauntless," on her way from Montreal to Quebec got aground, on the rocks off St. Antoine in a fog; she went over on her beam ends and filled, shifting the boiler and breaking the connection from it to the engine.

MONTREAL DIVISION.

Steamer "Manitoba" broke her shaft and again, later, one of her shaft cranks, which broke the piston and cylinder cover.

Tug "Dauntless," of Quebec, from the injector pipe in the boiler blowing out from imperfect fastening, a fireman, Albert Bergeron, was scalded to death.

Tugs "Philip Becker" and "A. O. Thayer" are reported lost on Lake Ontario during a storm.

MARITIME PROVINCES.

Tug "Geo. W. Johnson," of Yarmouth, N.S., at anchor off Parrsborough, N.S., took fire and sunk. Crew saved.

Tug "Sultan," of Miramichi, N.B., sunk in a snow storm, in November, off Amet Island. Crew saved.

Steamer "Albert," of Pictou, N.S., was driven ashore at the Magdalen Islands, in November. Crew saved. No complaint against engineers.

MANITOBA DIVISION.

No accidents to steamers are reported in this division and no complaints against engineers.

BRITISH COLUMBIA.

Steamer "Woodside," on her way from Victoria to Sooke, broke her shaft about a foot from the screw; the vessel returned to port under sail. No loss of life and few complaints reported.

I am, Sir,

Your most obedient servant,

SAMUEL RISLEY,

Chairman, Board of Steamboat Inspection.

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1879, their Class and Place of Residence, the Year of their First Examination and Number of Renewals, the Name of the Steamer last employ, the Date of the Certificate and the amount of the Fee.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Allison, James L.....	3	.....	1876	3	1	.....	.....	1879	Brockville	Falcon	Board	1879	1 00
Anderson, Wm.....	3	.....	1869	2	8	.....	.....	1879	Port Colborne.....	Lighthouse.....	do	1879	1 00
Abbey, Alex. B.	L.	Ass't. ....	.....	.....	.....	1879	1	1879	Port Dalhousie.....	Alice	Meneilley.....	1879	5 00
Aird, George H.....	L.	.....	.....	.....	.....	1873	4	1879	Kingston	Robt. Anglin.....	Taylor.....	1879	5 00
Brown, James H.....	L.	1	1876	3	1	1879	1	1879	Hamilton.....	Acadia.....	Risley	1879	5 00
Brown, A. J.....	.....	1	1874	3	3	.....	.....	1879	Ottawa.....	.....	Board	1879	1 00
Bothwell, Wm.....	.....	2	1875	2	3	.....	.....	1879	Valleyfield.....	Wood	do	1879	1 00
Bothwell, Geo.....	3	.....	1871	4	5	1870	1	1879	Ormstown.....	do	do	1879	1 00
Bannerman, J. H.....	.....	1	1878	1	1	1877	1	1879	Corning, N.S.	Victoria.....	do	1879	1 00
Barber, Thos.....	L.	.....	.....	.....	.....	1878	1	1878	Toronto.....	do	Meneilley	1878	5 00
Brown, Wm.....	3	.....	1866	1	13	.....	.....	1879	Ottawa	Carillon.....	Board.....	1879	1 00
Buchanan, Jas. B.....	3	.....	1874	2	4	.....	.....	1879	Keene	Arlington	do	1879	1 00
Burns, Henry	3	.....	1869	1	10	.....	.....	1879	Kingston	R. B. Hayes.....	do	1879	1 00
Bartlif, Henry.....	3	.....	1867	1	12	.....	.....	1879	Chatham.....	Steinhoff.....	do	1879	1 00
Blight, Richard.....	L.	.....	.....	.....	.....	1876	4	1879	Victoria, B.C.	Grappler.....	Westgarth.....	1879	5 00

Name	1	1873	3	4	1877	3	1879	Uthabam.	Nil	Board	1879	1 00
Black, David A.								Desmont.	Flight.	Taylor	1879	5 00
Bastille, Fred.	L.	1876	2	2	1877	3	1879	Lauzon.	Sampson	Board.	1879	1 00
Bolduc, Honore	3	1860	1	19			1879	do	Powerful.	do	1879	1 00
Bolduc, J. Baptiste	3	1869	3	8			1879	Quebec.	St. Catharines.	do	1879	1 00
Beaudette, Lazaré.		1874	1	5			1879	Collingwood.	Wales	do	1879	1 00
Brown, Richard		1877	1	2	1876	1	1879	Calumet.	M. Robertson.	do	1879	6 00
Brown, Archibald	2	1867	1	12			1879	Winnipeg.	Chyenne.	Abell	1879	5 00
Bryan, A. Hampton	L.				1879	1	1879	Toronto.	Little Eva	Menelley.	1879	5 00
Barbour, Thos.	L.				1878	2	1879	Port Rowan.	New Era.	do	1879	5 00
Becker, Austin	L.				1879	1	1879	Newboro'	Lake Michigan	Board.	1879	1 00
Bell, Jas.		1876	1	3			1879	Ottawa.	Dandy.	do	1879	1 00
Caulfield, Edward		1873	2	5			1879	Montreal.	Nil	do	1879	1 00
Cockran, George	3	1869	1	10			1879	Collingwood.	City of Toronto.	do	1879	1 00
Cameron, A. J.	2	1866	2	12			1879	P. Edward Island.	Mayflower.	do	1879	1 00
Campbell, Peter		1877	1	2			1879	St. John, N.B.	Nil	do	1879	1 00
Campbell, Mark		1874	1	5			1879	Orillia.	Bella Taylor.	Menelley.	1879	5 00
Coulson, George W.	L.	1879	1		1879	1	1879	St. Jean Baptiste.	St. Helen.	Board.	1879	1 00
Cayen, Jean	2	1860	1	19			1879	St. John, N.B.	Sunbury.	do	1879	1 00
Carrick, John	2	1870	1	9			1879	Lévis.	Fog Alarm.	do	1879	1 00
Couture, Louis		1876	2	2			1879	Tonawanda.	Isaac May	do	1879	2 00
Catline, M. H.	2	1866	2	12			1879	Winnipeg.	Minnesota.	Abell	1879	5 00
Conolly, Thos. L.	L.				1879	1	1879	Nor' Point.	Peterson's Ferry.	Board.	1879	1 00
Cherrier, George		1875	1	4	1877	1	1879	do	do	Taylor.	1879	5 00
Cherrier, George	L.	1875	1	4	1877	2	1879	Port Lambton.	J. Cartier	Board.	1879	1 00
Conbrough, James		1867	2	11			1879					

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Clark, John .....	.....	2	1879	1	.....	1879	1	1879	Sherbrooke.....	Enterprise.....	Befort.....	1879	5 00
Caldwell, Angus.....	L.	2	1879	1	.....	1879	1	1879	Waubanshene.....	S. C. Doty.....	Risley.....	1879	5 00
Chalk, Michael.....	L.	1	1879	1	.....	1878	2	1879	Oakville.....	C. Winnipeg	Meneilley.....	1879	5 00
Oline, George M.....	L.	.....	.....	.....	.....	1878	2	1879	Massena, N.Y.....	Rhoda May.....	Taylor.....	1879	5 00
Uash, James.....	L.	2	1878	1	1	1876	3	1879	New Westminster.....	Glendra.....	Westgarth.....	1879	5 00
Calcott, Wm.....	3	.....	1871	4	4	.....	.....	1879	St. Catharines.....	Argyle.....	Board.....	1879	1 00
Corry, James.....	L.	.....	.....	.....	.....	1879	1	1879	Ottawa.....	Bonita.....	Burgess.....	1879	5 00
Cockburn, John.....	L.	3	1875	1	4	1871	2	1879	Gordon P. O.....	Transfer.....	Risley.....	1879	5 00
Dungan, John.....	2	.....	1862	1	17	.....	.....	1879	Prescott.....	John Egan.....	Board.....	1879	1 00
Derry, William.....	3	.....	1870	3	7	.....	.....	1879	Kingston.....	Maud.....	do.....	1879	1 00
Dewey, Thos.....	.....	2	1874	2	4	.....	.....	1879	St. Catharines.....	Columbia.....	do.....	1879	1 00
Dunn, Henry.....	3	.....	1865	1	14	.....	.....	1879	Chatham.....	Ontario.....	do.....	1879	1 00
Drysdale, James S.....	2	.....	1862	1	17	.....	.....	1879	Montreal.....	Valetta.....	do.....	1879	1 00
Dawson, Joseph.....	.....	3	1876	1	3	1875	1	1879	St. Catharines.....	Dromedary.....	do.....	1879	1 00
Deagardin, Ed.....	.....	3	1877	1	2	.....	.....	1879	Sorel.....	Vermont.....	do.....	1879	1 00
Davy, John.....	.....	3	1875	1	4	1874	4	1879	Parry Sound.....	Mittie Grew.....	do.....	1879	2 00
Dunham, Isaac.....	.....	1	1869	1	10	.....	.....	1879	Warton.....	Nil.....	do.....	1879	2 00

STEAMBOAT ENGINEERS Examinations and Renewals during the Year ended 31st December, 1871—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Board Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cis.
Goyette, Charles.....	.....	1	1862	2	9	.....	.....	1879	Kingston.....	Scotia.....	Board.....	1879	1 00
Génac, Alfred.....	3	.....	1860	1	19	.....	.....	1879	Sorel.....	Mashinonge.....	do	1879	1 00
Glandin, F. X.....	2	.....	1860	1	19	.....	.....	1879	Montreal.....	A. McMahon.....	do	1879	1 00
Galbraith, Wm.....	.....	1	1877	1	2	.....	.....	1879	Victoria, B.U.	Enterprise.....	do	1879	1 00
McGingras, Zosiemme.....	.....	1	1870	3	6	1874	.....	1879	Batiscaan.....	.....	do	1879	1 00
Grier, James.....	.....	2	1877	1	2	1876	.....	1879	French River.....	Rescue.....	do	1879	1 00
Grier, James.....	L.	2	1877	1	2	1876	.....	1879	do	do	Risley.....	1879	5 00
Garneau, Xavier.....	2	.....	1860	1	19	.....	.....	1879	St. Antoine.....	Nil.....	Board	1879	1 00
Gregory, James.....	L.	.....	.....	.....	.....	1875	.....	1879	Belle Ewart.....	Victoria.....	Menelley.....	1879	5 00
Greenlaw, Robert.....	L.	.....	.....	.....	.....	1878	.....	1879	Toronto.....	Starling.....	do	1879	5 00
Gorrell, Charles.....	.....	1	1876	1	3	.....	.....	1879	Morrisburg.....	Falcon.....	Board	1879	2 00
Gowan, John W.....	3	.....	1873	1	6	.....	.....	1879	Windsor.....	Essex.....	do	1879	1 00
Hosker, D. M.....	.....	3	1878	1	1	.....	.....	1879	Goderich.....	Nil.....	do	1879	1 00
Horgan, Thos.....	3	.....	1874	4	2	1874	.....	1879	Weybridge.....	Nil.....	do	1879	1 00
Helferty, Wm.....	.....	2	1876	2	1	.....	.....	1879	Pictou.....	Bob Hackett.....	do	1879	1 00
Hetteraley, Edward.....	1	.....	1876	2	2	1876	.....	1879	Victoria.....	Alexander.....	do	1879	1 00
Hare, Michael.....	L.	.....	.....	.....	.....	1878	.....	1879	do	Woodside.....	Westgarth.....	1879	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Jimason, Isaac	3	.....	1870	2	8	.....	.....	1879	Kingston.....	Elgin.....	Board.....	1879	1 00
Jeffers, L. W	2	.....	1865	1	14	.....	.....	1879	Mill Point.....	Nil.....	do	1879	2 00
Jento, N. T.....	L	2	1878	2	1	1879	1	1879	Brockville.....	Chaffey.....	Taylor.....	1879	5 00
Kennedy, David.....	L	.....	.....	.....	.....	1877	3	1879	Seattle.....	Isabel.....	Westgarth	1879	5 00
Kaney, Terrance.....	.....	1	1870	3	7	.....	.....	1879	Pembroke	Kippewa.....	Board.....	1879	1 00
Kenny, Philip .....	.....	1	1873	2	5	1871	2	1879	Montreal.....	Nil	do	1879	1 00
Kerr, A.	L	1	1873	2	5	1872	2	1879	Orillia.....	Emily May	Menelley	1879	5 00
Kelly, James H.....	2	.....	1864	2	14	.....	.....	1879	Brockville.....	Shop.....	Board.....	1879	2 00
Kenney, John I.....	L.	3	1879	1	.....	1879	1	1879	Jones Falls.....	Adventure	Taylor.....	1879	5 00
Ladonière, Gaspard.....	.....	1	1877	1	2	.....	.....	1879	St. Antoine.	Nymph.....	Board.....	1879	1 00
Lépine, Natile.....	.....	1	1870	2	8	.....	.....	1879	Carillon	Canada	do	1879	5 00
Ladonière, Louis.....	.....	1	1871	2	7	.....	.....	1879	St. Andrews.....	Eclair.....	do	1879	5 00
Leclaire, Joseph.....	.....	2	1876	2	2	.....	.....	1879	Lachine.....	Zealand.....	do	1879	1 00
Leclaire, J. E.....	.....	3	1875	1	4	.....	.....	1879	Valleyfield.....	P. Becker,	do	1879	1 00
Leitch, Alexander.....	1	.....	1866	1	14	.....	.....	1879	Dorval.....	Mattawan.....	do	1879	1 00
Long, John A.....	.....	1	1873	3	4	.....	.....	1879	Ottawa.....	John Henry.....	do	1879	1 00
Larivière, Pierre.....	2	.....	1860	1	19	.....	.....	1879	Montreal.....	National.....	do	1879	1 00

	1863	1	14	1879	do	W. C. Baines.	do	1879	2 00
Lafaire, François	3	1	19	1879	St. Antoine.	St. Croix.	do	1879	1 00
Lafleur, Xavier	2	1	19	1879	St. Antoine.	St. Croix.	do	1879	1 00
Lewis, Edwin H.	3	1	1877	1879	Winnipeg.	Swallow.	do	1879	1 00
Lamotte, Abald	3	1	12	1879	St. Antoine.	Contest.	do	1879	1 00
Lumsden, George	L.			1879	Winnipeg.	Adelaide.	Abell.	1879	5 00
Lovley, Edward	L.	1	1874	1879	Sarnia.	Tecumseh	Risley	1879	5 00
Lemai, Mathias	3	1	1860	1879	St. Antoine.	St. Antoine.	Board	1879	4 00
Lawler, Denis	L.			1879	New Westminster.	W. Slope.	Westgarth	1879	5 00
Leclaire, Wm.	L.	3	1868	1879	Sorel.	St. John.	Befort.	1879	5 00
Logan, Samuel I.	L.			1878	Morrisburg	Kendrick	Taylor	1879	5 00
Menish, George	2	2	11	1879	Montreal.	Elevator.	Board	1879	1 00
Morrison, R. A.	1	3	5	1879	do	St. Louis.	do	1879	1 00
-Marchand, Adolphe	1	3	7	1879	Lakefield.	Gruis.	do	1879	1 00
Murray, John	3	2	1	1876	Victoria, B.C.	Olympia	do	1879	5 00
Morin, Pierre	L.			1878	Silver Islet.	Hattie Vinton.	Risley	1879	1 00
Miller, William	2	2	2	1879	Kingston.	California.	Board	1879	1 00
Mason, William	3	1	3	1879	Halifax, N. S.	M. A. Starr.	do	1879	1 00
Morris, John	1	1	1	1879	Quebec.	Flamborough	do	1879	1 00
Murphy, Thos.	2	2	6	1872	Newborough	J. H. Doyle.	do	1879	1 00
Mowbray, James	1	1	7	1879	St. John, N.B.	Nil	do	1879	1 00
Marriotte, Thos	1	2	8	1870	Aldershot	Nil	do	1879	2 00
Morden, C. H.	2	1	1	1879	Picton	E. of India.	do	1879	1 00
Mays, D. E.	3	2	9	1879	St. John, N.B.	Ada G.	do	1879	1 00
Mason, Robt.	L.			1879	Victoria, B.C.	Alexander	Westgarth	1879	5 00
Moir, Wm.	2	1	1	1879	Sydney, C.B.	W. F. Mason	Board.	1879	1 00

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STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Montgomery, Samuel.....	.....	1	1873	3	4	1875	1	1879	St. Catharines.....	Beauboage.....	Board.....	1879	1 00
Morreau, Louis.....	.....	1	1870	3	7	.....	.....	1879	Lévis.....	Nil.....	do.....	1879	1 00
Munro, George.....	1	.....	1866	1	14	.....	.....	1879	Glencoe.....	Chicora.....	do.....	1879	1 00
Malcomson, S. S.....	2	.....	1861	2	17	.....	.....	1879	St. Catharines.....	America.....	do.....	1879	1 00
Millward, Benj.....	L.	3	1879	1	.....	1878	2	1879	Collingwood.....	Benj. Millward.....	do.....	1879	5 00
Murray, James.....	3	.....	1861	1	18	.....	.....	1879	Kingston.....	Spartan.....	do.....	1879	1 00
McHat, Thos.....	L.	.....	.....	.....	.....	1877	3	1879	Perth.....	Peerless.....	Taylor.....	1879	5 00
Munro, Charles.....	2	.....	1860	1	19	.....	.....	1879	Kingston.....	Active.....	Board.....	1879	3 00
Mitchell, James.....	L.	.....	.....	.....	.....	1879	1	1879	Hamilton.....	D. Bowen.....	Risley.....	1879	5 00
Milne, Thos.....	3	.....	1869	3	8	.....	.....	1879	Quebec.....	Ad. D. Porter.....	Board.....	1879	1 00
Marriott, Thos.....	L.	1	1870	2	8	1870	2	1879	Aldershot.....	St. J. Baptiste.....	Mencilley.....	1879	5 00
Matheson, Robt.....	L.	.....	.....	.....	.....	1879	1	1879	S. R. Bruce.....	S. E. Day.....	do.....	1879	5 00
Munro, Alex.....	3	.....	1870	3	7	1869	1	1879	Glencoe.....	Nil.....	Board.....	1879	1 00
Marchand, Ed.....	2	.....	1864	1	15	.....	.....	1879	Kingston.....	Kincardine.....	do.....	1879	1 00
Morrison, Donald, No. 1.....	.....	1	1875	2	3	1874	1	1879	P. A. Landing.....	A. Neff.....	do.....	1879	1 00
Marshall, Thos.....	L.	1	1874	2	4	1875	2	1879	Orillia.....	Wenonah.....	Mencilley.....	1879	5 00
McCaw, John.....	3	.....	1872	1	7	1872	1	1879	Montreal.....	St. Louis.....	Board.....	1879	2 00

	1872	1873	1874	1875	1876	1877	1878	1879	1879	1879	1879	1879
McPherson, Wm. C.	3								do	C. M. Ritter.	do	1 00
McGill, Jeremiah	2	1878	1	1	1877	1	1879	1879	Nanaimo	Grappler	do	1 00
McCaull, Robert	2	1867	2	11				1879	Kingston	Oswego Belle	do	2 00
McAbeer, Edwd.	1	1869	2	9				1879	St. John, N.B.	Nil	do	1 00
McCarthy, Daniel	L.	2 1876	1	3	1872	2	1879	1879	do	Victor	Smith	5 00
McCallum, John		1 1872	1	7				1879	Gedertich	Nil	Board	2 50
McLeod, John N.	L.							1879	Grandequel, B.	Richmond	Smith	5 00
McInnes, Duncan		2 1871	2	7				1879	Hamilton	Nil	Board	1 00
McAndrews, John	L.							1879	Thorald	Samuel R. Norcross	Risley	5 00
McPherson, Alex.	L.	2 1877	1	2	1879	1	1879	1879	P. Edward Island	Montague	Board	5 00
McEwan, I. F.	3	1871	2	7				1879	Kingston	Nil	do	2 00
McFaul, Mich'l	L.	2 1878	2					1879	Mill Point	Deseronto	Taylor	5 00
McQuade, Henry	L.	2 1875	2	3	1879	1	1879	1879	Silver Islet	Hattie Vinton	Risley	5 00
Norton, James H.		1 1875	3	2				1879	St. Catharines	Calabria	Board	1 00
Nichol, Thos.	L.	3 1877	1	2	1877	3	1879	1879	Chatham	Comet	Risley	5 00
Nichol, Thos.		3 1877	1	2	1877	2	1879	1879	do	do	Board	1 00
Neill, Andrew		1 1870	2	8				1879	Three Rivers	Nil	do	4 00
Neill, Robt	L.							1879	Ottawa	Ripple	Burgess	5 00
O'Brien, Patrick		3 1878	1	1				1879	Pembroke	Pembroke	Board	1 00
Oldrey, Silas F.	L.	Ass't.						1879	Victoria, B.C.	Etta White	Westgarth	5 00
Paquette, Peter		1 1878	1	1				1879	Montreal	Nil	Board	1 00
Patterson, Wm. M.		1 1875	2	3	1874	1	1879	1879	Portsmouth	Nil	do	1 00
Patterson, John	L.							1879	Victoria, B.C.	Alexander	Westgarth	5 00
Penny, Thos.	L.	3 1879	1		1879	1	1879	1879	New Westminster	N. Taylor	do	5 00
Paul, Charles	L.	2 1876	2	2	1879	1	1879	1879	Inlet	Maggie	do	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Price, Alfred E .....	.....	1	1875	2	3	1874	4	1879	St. Catharines	Nil	Board	1879	1 00
Pettigrew, George.....	3	L.	1875	4	1	1874	2	1879	Sarnia.....	Ontario.....	Risley	1879	5 00
Painter, John.....	3	.....	1869	1	10	.....	.....	1879	Kingston	Lady Franklin.....	Board	1879	1 00
Paquette, Jérémie.....	2	.....	1860	1	19	.....	.....	1879	Longueuil.....	Montarville.....	do	1879	1 00
Perkins, Edward.....	.....	1	1872	1	7	.....	.....	1879	St. John, N.B.....	Lincoln.....	do	1879	1 00
Powers, Jeffrey.....	3	.....	1866	1	13	.....	.....	1879	Pembroke	Spray	do	1879	1 00
Polson, Franklin B....	L.	3	1879	1	.....	1879	1	1879	Cobourg.....	Fairy	Taylor.....	1879	5 00
Price, Thomas.....	.....	2	1878	1	1	.....	.....	1879	Montreal	F. B. Maxwell.....	Board	1879	1 00
Poliquin, Thomas....	1	.....	1860	1	19	.....	.....	1879	Levis	Lady Head.....	do	1879	2 00
Pentz, John.....	L.	.....	.....	.....	.....	1879	1	1879	New Westminster..	Brunette	do	1879	5 00
Pritchard, Warrington .....	.....	1	1875	2	3	.....	.....	1879	P. Arthur's Land'g	Three Friends.....	do	1879	1 00
Quimby, Vestris.....	L.	.....	.....	.....	.....	1878	2	1879	Nanaimo	Hyack	Westgarth	1879	5 00
Quigley, James.....	L.	1	1870	1	9	1877	2	1879	Kingston.....	Olive	Taylor	1879	5 00
Roy, Edmund.....	.....	2	1871	2	7	.....	.....	1879	Montreal	Monitor	Board	1879	1 00
Reynolds, Samuel .....	.....	2	1873	2	5	.....	.....	1879	Port Hope	Dredge	do	1879	2 00
Robertson, John.....	3	L.	1876	1	3	1876	4	1879	Victoria, B.C.....	Cariboo Fly	Westgarth.....	1879	5 00
Ray, Thomas.....	3	.....	1876	1	4	.....	.....	1879	St. Stephen.....	Wm. Stroud.....	Board	1879	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Smith, S. W.		1	1872	2	6			1879	Newcastle	New Era	Board	1879	1 00
Sweet, William		1	1876	2	2			1879	Cape Breton	Richmond	do	1879	1 00
Smith, J. Sanbury	2		1877	1	2			1879	Victoria, B.C.	Grappler	do	1879	1 00
Smith, William	L.	2	1875	2	3	1879	1	1879	Port Dalhousie	James Norris	Meneille	1879	5 00
Stufern, John A.	L.					1879	1	1879	Victoria, B.C.	Pilot	Westgarth	1879	5 00
Summerville, Alex.	1		1860	1	19	1873	1	1879	Kingston	Passport	Board	1879	1 00
Shill, Robert	L.					1874	4	1879	Toronto	Princess of Wales	Risley	1879	5 00
Seeley, N. A.		1	1873	1	6	1872	1	1879	St. George, N.B.	Utopia	Board	1879	1 00
Sharpe, James	2		1865	1	14			1879	Wellington Square	Wales	do	1879	1 00
Stevens, David	L.	2	1878	2		1879	1	1879	Newborough	Eliswood	Taylor	1879	5 00
Scott, Robert	L.					1879	1	1879	St. John, N.B.	Rothsay	Smith	1879	5 00
Swales, Wm. E.	2		1863	1	17			1879	Winnipeg	Marquette	Abell	1879	2 00
Strachan, James		1	1874	2	4	1873	1	1879	Wallaceburg	Isaac May	Board	1879	2 00
Stephenson, Patrick	3		1870	2	8	1876	2	1879	Halifax	Prince Arthur	do	1879	1 00
Stephenson, Patrick	3	L.	1870	2	8	1876	3	1879	do	do	do	1879	5 00
Samson, Jean		1	1871	3	6			1879	Levis	Beaver	do	1879	1 00
Stevens, James	L.	2	1877	3	1	1877	3	1879	Bobcaygeon	Sampson	Risley	1879	5 00

	3	1869	4	7	1876	1879	1879	Kingston	Elevator	Board	1879	1 00
Sloan, Robert.....	L				3	1879	1879	Collingwood.....	Sanford Davis.....	Risley.....	1879	5 00
Short, Wm. B.....	L					1879	1879	Kingston.....	Rover.....	Taylor.....	1879	5 00
Smeston, Alex.....	L	2	1			1874	1879	Yorkville.....	Robb.....	Meneilley.....	1879	5 00
Shill, Robert.....	L						1879	St. Catharines.....	Sovereign.....	Board.....	1879	1 00
St. John, O. P.....	2		3	8			1879	Naperville.....	Rover.....	do.....	1879	1 00
St. Michael, O., sea.....	2		1	17			1879	Sarnia.....	Vanderbilt.....	do.....	1879	1 00
Thorburn, John.....		3	1	5	1871	1	1879	Victoria, B.C.....	Alexander.....	Westgarth.....	1879	5 00
Tooley, Thos.....	L				1879	1	1879	do.....	do.....	do.....	1879	5 00
Techner, Herman.....	L						1879	Lévis.....	Saguenay.....	Board.....	1879	1 00
Thériault, J. B.....	1		1	19			1879	Penetanguishene.....	Nil.....	do.....	1879	12 00
Tate, James G.....	2		1	12			1879	Rockland.....	Canada.....	do.....	1879	1 00
Wood, James.....	3		1	14			1879	Goderich.....	Nil.....	do.....	1879	1 00
Williamsen, Andrew.....		1	2	8	1875	1	1879	Victoria, B.C.....	Georgie.....	do.....	1879	1 00
Wallace, James.....	2		1	2	1876	1	1879	Port Hope.....	A. Wright.....	do.....	1879	1 00
Wright, George.....		1	2	8	1874	1	1879	St John, N.B.....	Admiral.....	do.....	1879	1 00
Wilson, Alex, sen.....	1		1	10			1879	Ogdensburg.....	Florence.....	do.....	1879	5 00
Wells, Charles.....	L						1876	Allenburg.....	Addie Carlin.....	do.....	1879	5 00
Wright, Robert.....	L	2	1	5	1872	3	1879	do.....	do.....	do.....	1879	1 00
Wright, Robert.....	L	2	1	6	1872	3	1879	Winnipeg.....	Manitoba.....	Abell.....	1879	5 00
Wybrant, John.....	L				1879	1	1879	Dresden.....	City of Dresden.....	Risley.....	1879	5 00
Wells, Joseph.....	L	1	4	1	1877	1	1879	Napanee.....	Corinthian.....	Board.....	1879	1 00
Wadsworth, Thomas.....	2		1	17			1879	do.....	Newfield.....	do.....	1879	6 00
Weir, Allan.....		1	1	6	1873	1	1879	Dresden.....	Beaver.....	do.....	1879	5 00
Windover, Manley.....	L	2	2		1879	1	1879	do.....	Enterprise.....	Risley.....	1879	5 00
Wilnot, James.....	L	Assist			1879	1	1879					

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1879 — Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts
Wilcox, George	L	2	1876	3	1	1879	1	1879	Port Robinson	C. F. Wadsworth..	Meneilly.....	1879	5 00
Welsh, Henry... ..	L	.....	.....	.....	.....	1879	1	1879	Hamilton	Dromedary	do	1879	5 00
Warner, Christopher.....	.....	3	1877	1	2	.....	.....	1879	Toronto	City of Montreal...	Board.....	1879	1 00
Yates, G. W.....	.....	1	1872	3	4	1876	1	1879	Wallaceburg.....	Jerome.....	do	1879	1 00
Young, James.....	.....	1	1876	1	3	.....	.....	1879	New York	Bermuda	do	1879	3 00
Young, Franklin V	L	.....	.....	.....	.....	1878	2	1879	Lachine	C. M. Riter.....	Burgess.....	1879	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880.

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													\$ cis.
Atkins, Wm.	1	1872	1	8	1871	1	Annapolis, N.S.	Nil	Board	1880	1 00
Aston, J. W.	1	1877	3	Collingwood	Northern Belle	do	1880	5 00
Adams, Thos A.	2	1880	1	Crossland	Cariella	do	1880	5 00
Anderson, Wm.	3	1869	2	10	Fort Colborne	S. Kneeland	do	1880	1 00
Abbey, A. B.	E.	1	1880	1	1879	1	Port Dalhousie	Ada Alice	do	1880	5 00
Abert, Alex	3	1880	1	Morrisburg	Kincardine	do	1880	5 00
Aman, Fred	2	1880	1	Pictou	Alexandra	do	1880	5 00
Allen, Jas.	2	1870	1	10	Garden Island	Traveller	do	1880	1 00
Arnold, John	1	1870	2	9	Kingston	Hastings	do	1880	1 00
Andrews, Jas	1	1877	1	3	1876	1	Bathurst, N.B.	Gipsy	do	1880	1 00
Atherton, Thos. C.	1	1873	2	6	Fredericton	Nil	do	1880	1 00
Atkinson, Wm.	1	1869	1	11	do	Sarah H.	do	1880	1 00
Alexander, Jas.	2	1865	2	14	S. Louis de Gonzague	Pictou	do	1880	1 00
Allison, W. H.	1	1876	2	3	Morrisburg	Artic	do	1880	1 00
Armstrong, John	1	1876	3	2	do	Eureka	do	1880	1 00
Armstrong, Wm.	2	1861	1	19	Ottawa	Mayflower	do	1880	2 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Arpin, Louis, jun.	2	.....	1868	3	10	.....	.....	.....	Montreal	Longueuil	Board	1880	1 00
Arpin, Louis	2	.....	1860	1	20	.....	.....	.....	St. Hughes	Coteneau	do	1880	1 00
Arcand, John	2	.....	1869	4	8	.....	.....	.....	Sorel	Rivières du Loup	do	1880	1 00
Anbain, Michel	2	.....	1860	1	20	.....	.....	.....	St. Nicholas	Sensation	do	1880	1 00
Baudette, Pierre	3	.....	1860	1	20	.....	.....	.....	St. Sauveur	Royal	do	1880	1 00
Alexander, Neil S.	3	.....	1876	1	4	.....	.....	.....	Halifax, N.S.	Bets	do	1880	1 00
Allan, Harmon .....	.....	1	1871	2	8	1876	1	.....	St. John, N.B.	General	do	1880	1 00
Allan, Bradford .....	.....	1	1874	2	5	.....	.....	.....	do	Captain	do	1880	1 00
Anderson, John	3	.....	1869	2	10	.....	.....	.....	Pictou, N.S.	Gipsy	do	1880	1 00
Bury, Albert .....	.....	2	1880	1	.....	.....	.....	.....	Sombra	Colorado	do	1880	5 00
Brown, James H.	3	.....	1878	4	1	1879	1	.....	Hamilton	Acadia	do	1880	5 00
Bradshaw, Wm. ....	.....	2	1879	1	1	.....	.....	.....	Windsor	G. Western	do	1880	1 00
Rice, James	2	.....	1869	1	11	.....	.....	.....	do	Transit	do	1880	1 00
Bogardus, James O. ....	.....	1	1874	2	5	.....	.....	.....	Chippewa	Nil	do	1880	1 00
Buttrough, Charles .....	.....	1	1873	2	6	1872	1	.....	Wallaceburg	Nil	do	1880	1 00
Belson, Wm.	2	.....	1872	5	4	1871	1	.....	Windsor	G. Western	do	1880	5 00
Banks, J. D.	3	.....	1869	1	11	.....	.....	.....	Toronto	Globe Office	do	1880	1 00

Name	1870	1871	1872	1873	1874	1875	Newboro	L. Michigan	1880	5 00
Bell, James	3	3	3	3	3	3	Collingwood	do	1880	5 00
Bute, George James	1	1875	3	3	3	1875	2	Fred Hotchkiss	do	1 00
Braund, Henry	3	1861	1	19	19		Humberstone	Shop	do	1 00
Bampton, William	1	1865	3	13	13		Cornwall	Leslie	do	1 00
Bampton, James	1	1870	3	8	8		Welland	T. R. Secord	do	1 00
Black, R. J.	3	1873	4	4	4	1873	2	Persia	do	1 00
Becker, Austin	E.	1880	1	1	1	1879	1	New Era	do	5 00
Brown, Richard	1	1877	3	1	1	1876	1	Wales	do	5 00
Boyd, George	1	1876	3	2	2		Garden Island	Carillon	do	5 00
Brackenridge, John	2	1875	4	2	1877	1	Collingwood	Metamora	do	5 00
Barlow, Thomas	3	1870	4	7			Kingston	City of Belleville	do	1 00
Brisbin, Samuel	2	1879	2				Pictou	do	do	5 00
Boyd, Isaac	3	1876	4	1	1877	1	Garden Island	A. H. Baldwin	do	1 00
Bonar, John	1	1864	1	16			Belleville	Eliza Bonar	do	1 00
Battelle, Frederick	1	1876	3	2	1877	3	Desmond	Flight	do	5 00
Bennett, Alfred	1	1874	3	4			St. Catharines	Clinton	do	5 00
Brown, John	1	1860	1	20			Kingston	Alexandra	do	1 00
Buchanan, James B.	3	1874	2	5			Keene	Arlington	do	1 00
Boswell, Walter F.	1	1877	2	2			Peterborough	Golden Eye	do	1 00
Bellefeuille, Clovis	1	1879	1	1			Lachine	British America	do	1 00
Bellefeuille, Leon	1	1874	2	5	1874	1	Point Claire	Elevator No. 10	do	5 00
Brown, Abraham I.	1	1874	3	4			Ottawa	Cruizer	do	1 00
Bane, Thomas Henry	1	1880	1				do	Lake of the Woods	do	5 00
Bédard, Edouard	1	1878	3				Carillon	Canada	do	5 00
Burnet, William	1	1873	3				Ottawa	Frances	do	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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													\$ cts.
Brunet, Cyprien	3	1850	1	Rigeaud	Nil	Board.....	1880	5 00
Berard, Pierre.....	3	1865	2	14	Montreal	St. Helen.....	do	1880	1 00
Bothwell, George	3	1871	4	6	1870	1	Ornstown	Wood	do	1880	1 00
Bothwell, William.....	1	1875	3	3	Valleyfield.....	do	do	1880	5 00
Brunette, Honore.....	1	1870	2	9	Lachine.....	Eureka.....	do	1880	2 00
Broule, Henry.....	1	1871	2	8	Sorel.....	Charlemagne.....	do	1880	1 00
Belaire, François	1	1869	1	11	do	Canada	do	1880	1 00
Blette, Pierre	3	1865	1	15	do	Nil	do	1880	1 00
Bourgois, Charles	1	1878	3	St. Engelle.....	Bourgois.....	do	1880	5 00
Beaudette, Noel.....	2	1867	2	12	Sorel	Tom Dowl.....	do	1880	1 00
Brouillard, Michel.....	3	1866	1	14	do	Lady of the Lake.....	do	1880	1 00
Boucher, Alexis	3	1876	1	4	do	Star.....	do	1880	1 00
Beaucauge, Ellie.....	1	1873	2	6	do	Quebec	do	1880	1 00
Berthiaume, Xavier.....	3	1876	1	4	do	Chambly.....	do	1880	1 00
Beaudoin, Napoleon.....	1	1876	3	2	do	John Young.....	do	1880	1 00
Befort, Francis.....	1	1876	2	3	do	Maskinongé.....	do	1880	1 00
Bergeron, Wilse.....	1	1869	1	12	St. Appolinaire.....	Fire Fly.....	do	1880	4 00

Bergon, Honore.	1	1873	2	6	1873	1	do	Victor	1880	5 00
Bolduc, Honore	3	1860	1	20			Village Lauson	Sampson	1880	1 00
Bolduc, Pierre		1879	1	1			Lévis	do	1880	1 00
Brown, James E.	1	1876	3	2	1874	2	New York	Bahama	1880	1 00
Biais, Joseph		1874	3	4	1876	1	Lévis	Flora	1880	1 00
Belanger, Eugene		1876	3	2			St. Rock, Quebec	Napoleon III.	1880	1 00
Bolduc, J. B.	3	1869	3	9			Lévis	Powerful	1880	1 00
Blanchet, Ludger		1880	1				Lothinière	Tiger	1880	5 00
Belanger, Germain		1874	3	4			Quebec	Wannonish	1880	1 00
Belanger, Philiat		1878	3				St. Rock, Quebec	Druid	1880	5 00
Beaudoin, Luc		1875	1	6			Village Lauson	Conqueror	1880	1 00
Bergeron, Louis		1878	2	1			St. Croix	Patrick Murphy	1880	6 00
Beaudoin, Elzéar		1880	3				Village Lauson	Montmagny	1880	5 00
Bruneau, Owen		1880	1				Sillery	Nil	1880	5 00
Boisvert, Edouard		1880	1				St. Croix	Rover	1880	5 00
Barton, Wm. J.	2	1874	5	2			St. John, N.B.	Fawn	1880	5 00
Barry, Wm.	1	1868	4	9			Halifax, N.S.	Alhambra	1880	5 00
Batt, George		1876	3	2			P. E. Island	Hy. Aitkin	1880	6 00
Boon, Jared		1878	2	1			Fredericton, N.B.	Sarah H.	1880	5 00
Bowler, Robt		1878	2	1			do	N. Dominion	1880	5 00
Burrows, George		1873	1	7			Halifax, N.S.	Goliath	1880	1 00
Battler, George		1876	3	2			St. John, N.B.	Empress	1880	1 00
Boutiller, Thos.	1	1875	1	5			Sydney, C. B.	Neptune	1880	1 00
Boutiller, Fredk.		1876	1	4			Halifax, N.S.	Beta	1880	1 00
Bryan, A. Hampton	3	1880	1	1879	1		Cincinnati, U.S.	Cheyenne	1880	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Blackburn, Wm. Albert	.....	2	1880	1	.....	.....	.....	.....	Winnipeg.....	Marquette.....	Board.....	1880	5 00
Brown, George	.....	1	1879	1	1	1878	1	.....	Lower Fort Garry, Colville.....	.....	do.....	1880	1 00
Blee, Wm	3	.....	1878	1	2	.....	.....	.....	Victoria, B.C.....	Emma.....	do.....	1880	1 00
Bramer, Jas. Van	.....	2	1876	1	4	1877	2	.....	Burrard Inlet.....	Leondra.....	do.....	1880	1 00
do	.....	2	1876	1	4	1877	2	.....	do.....	do.....	do.....	1880	5 00
Chater, Thos.	.....	1	1875	2	4	1874	1	.....	Windsor.....	G. Western.....	do.....	1880	1 00
Cunningham, Wm	3	.....	1869	4	8	.....	.....	.....	Hamilton.....	Zealand.....	do.....	1880	1 00
Caldwell, Angus	.....	2	1879	1	1	.....	.....	.....	Nottawa.....	Susan C. Doty.....	do.....	1880	1 00
Cummings, Charles	.....	3	1875	1	5	.....	.....	.....	P. E. Island.....	Winnie.....	do.....	1880	1 00
Cockburn, John	2	E	1875	2	4	1871	2	.....	Gordon, P.O.....	Transfer.....	do.....	1880	5 00
Conbrough, James	3	E	1867	3	11	.....	.....	.....	Port Lambton.....	Coral.....	do.....	1880	5 00
Carr, Patrick J	.....	2	1878	2	1	.....	.....	.....	Port Dalhousie.....	Albion.....	do.....	1880	5 00
Cosford, J. C	3	.....	1872	4	5	1871	2	.....	Dresden.....	Mystic.....	do.....	1880	1 00
Crosland, James	2	.....	1873	4	4	1872	1	.....	Collingwood.....	Northern Belle.....	do.....	1880	1 00
Carroll, Alex	3	.....	1875	3	3	.....	.....	.....	Hamilton.....	Columbia.....	do.....	1880	1 00
Cherry, Elbert	3	.....	1865	1	15	1872	1	.....	Dunnville.....	Wm. Hull.....	do.....	1880	1 00
Carter, DeWitt	.....	1	1878	2	1	.....	.....	.....	Port Colborne.....	Hector.....	do.....	1880	1 00
Cook, Wm	.....	1	1875	3	3	1876	1	.....	do.....	Salty Jack.....	do.....	1880	1 00

	1	1876	2	3	4	5	6	7	1871	1	Port Robinson	A. R. Seacord.	do	1880
Camp, Robert	1	1872	2	7	1871	1	Port Dalhousie	H. Neelon	do	1880	1 00			
Coons, Alfred	1	1871	3	7	1871	1	Dunnville	W. J. Aikens	do	1880	1 00			
Chapman, John	2	1872	5	4	1875	1	St. Catharines	Prussia	do	1880	1 00			
Chesnut, James	2	1879	1	1	1879	1	do	do	do	1880	1 00			
Coveney, John	1	1880	1	1	1880	1	Collingwood	Assyria	do	1880	5 00			
Campbell, Donald	1	1879	2	1879	1	Orillia	Bella Taylor	do	1880	5 00				
Coulson, Geo. W.	2	1879	2	1879	2	Aurora	Northern Belle	do	1880	5 00				
Conrick, Thos.	3	1880	1	1880	1	Smith's Falls	Magnet	do	1880	5 00				
Chapman, Chas. T.	2	1880	1	1879	1	Garden Island	Hiram A. Calvin	do	1880	5 00				
Curran, Robt.	1	1875	2	4	1875	2	Port Perry	Coboconk	do	1880	1 00			
Corrin, Charles	3	1879	1	1	1879	1	Morrisburg	Glide	do	1880	1 00			
Casselman, Henry	1	1872	3	6	1872	3	Montreal	Express	do	1880	1 00			
Charland, Pierre	1	1871	3	7	1871	3	Montreal	Elevator No. 1	do	1880	5 00			
Castonguay, Ernest	1	1869	3	9	1869	3	do	St. Peter	do	1880	1 00			
Champagne, Edouard	1	1874	3	4	1874	3	Renfrew	Jessie Cassels	do	1880	1 00			
Collins, Anthony	E.	1880	1	1879	1	Ottawa	Bonita	do	1880	5 00				
Corry, James	1	1873	2	6	1873	2	Hull	Engineer	do	1880	1 00			
Caulfield, Edouard	1	1879	2	1879	1	Sherbrooke	Enterprise	do	1880	5 00				
Clarke, John	3	1873	4	4	1874	1	St. Avide	Nil	do	1880	1 00			
Charland, Nene	1	1875	3	3	1875	3	St. Celigently	Cantina	do	1880	1 00			
Charland, Herminegall	3	1871	4	6	1871	4	Sorel	Sorel	do	1880	1 00			
Chapdelaine, François	1	1871	1	9	1871	1	do	Cultivateur	do	1880	1 00			
Clement, Charles	1	1877	2	2	1877	2	do	Nil	do	1880	1 00			
Champagne, Joseph	1	1872	2	7	1872	2	do	Nil	do	1880	1 00			
Contois, John	1	1872	2	7	1872	2	do	Nil	do	1880	1 00			

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Oisy, Charles.....	3	1876	3	2	Sorel.....	Dredge.....	Board.....	1880	1 00
Chapdelaine, François	1	1860	1	20	do.....	Quebec.....	do.....	1880	1 00
Clement, Maxime.....	1	1860	2	19	do.....	Hero.....	do.....	1880	1 00
Charland, Victor.....	2	1869	5	7	St. Jean Deschail'n	Champion.....	do.....	1880	1 00
Charland, Eugène....	1	1876	2	3	do.....	do.....	do.....	1880	1 00
Couillard, Alphonse..	3	1875	1	5	Village Bienville..	Druid.....	do.....	1880	1 00
Côté, Germain.....	1	1870	1	10	Lévis.....	Boston.....	do.....	1880	1 00
Cayen, Philippe.....	2	1877	2	2	Portneuf.....	Bienvenu.....	do.....	1880	5 00
Côté, Augustin.....	3	1860	1	20	St. Appolinaire....	James.....	do.....	1880	1 00
Cayen, Joseph.....	1	1872	2	7	Lauzion.....	Rockett.....	do.....	1880	1 00
Carroll, Stephen.....	1	1860	1	20	Quebec.....	Druid.....	do.....	1880	1 00
Cayen, Joseph.....	2	1860	1	20	Portneuf.....	Bienvenu.....	do.....	1880	1 00
Cayen, John.....	2	1860	1	20	Cap St. Ignace.....	Nil.....	do.....	1880	1 00
Charland, Adjudor....	3	1880	1	St. Jean's Challos	Champion 2.....	do.....	1880	5 00
Coté, Adolphe.....	3	1878	1	2	Lévis.....	St. George.....	do.....	1880	1 00
Cayen, Napoleon.....	1	1874	2	5	Ste. Petrouille....	C. H. Curtis.....	do.....	1880	1 00
Cloutier, Joseph.....	3	1879	1	1	Village Lauzun.....	do.....	1880	1 00

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													\$ cts.
Downey, John, No. 1.	3	1	1875	2	4	1872	1	Silver Islet.....	Hattie Vinton.....	Board ..	1880	5 00
Doan, Moses .....	.....	1	1877	3	L'ps'd	.....	.....	.....	Bridgen.....	Saw Mill.....	do	1880	5 00
Downey, John, No. 2.	.....	2	1878	2	.....	.....	.....	.....	P. Edward Island	Huron.....	do	1880	5 00
Davidson, John	3	.....	1874	4	3	1871	1	.....	St. Catharines.....	Celtic.....	do	1880	1 00
Duval, Francis .....	.....	1	1874	3	4	.....	.....	.....	Windsor	Michigan.....	do	1880	1 00
Dunham, Isaac .....	.....	1	1869	1	11	.....	.....	.....	Warton.....	Prince Alfred.....	do	1880	1 00
Daly, William	3	.....	1874	3	4	1878	1	.....	Manitoba.....	Boat building.....	do	1880	1 00
Dowd, John R. ....	.....	1	1875	2	4	1873	3	.....	Welland.....	Dufferin.....	do	1880	1 00
Dagge, James W. ....	.....	3	1878	1	2	.....	.....	.....	Chatham.....	Nil.....	do	1880	1 40
Dillon, Hugh W.	3	.....	1880	1	.....	1878	1	.....	Toronto.....	Nil.....	do	1880	5 00
Dewey, Thos. ....	.....	1	1874	3	4	.....	.....	.....	St. Catharines.....	Canada.....	do	1880	5 00
Dee, John.....	3	.....	1875	4	2	1878	1	.....	Penetanguishene.....	Northern Queen.....	do	1880	5 00
Doran, Wm.....	.....	1	1875	2	4	.....	.....	.....	St. Catharines.....	Persia.....	do	1880	1 00
Doran, John.....	2	.....	1880	3	18	.....	.....	.....	do	Lake Michigan.....	do	1880	1 00
Dunoon, Daniel .....	.....	2	1880	1	.....	.....	.....	.....	Owen Sound	City Owen Sound.....	do	1880	5 00
Donaldson, F. W. ....	.....	2	1880	1	.....	1879	1	.....	Toronto.....	Dean.....	do	1880	5 00
Davidson, Andrew O. ....	.....	1	1878	2	1	1877	1	.....	Pike Bay.....	Mary Ann.....	do	1880	1 00

	3	1879	3	1878	3	1877	3	1876	3	1875	3	1874	3	1873	3	1872	3	1871	3	1870	3	1869	3	1868	3	1867	3	1866	3	1865	3	1864	3	1863	3	1862	3	1861	3	1860	3	1859	3	1858	3	1857	3	1856	3	1855	3	1854	3	1853	3	1852	3	1851	3	1850	3	1849	3	1848	3	1847	3	1846	3	1845	3	1844	3	1843	3	1842	3	1841	3	1840	3	1839	3	1838	3	1837	3	1836	3	1835	3	1834	3	1833	3	1832	3	1831	3	1830	3	1829	3	1828	3	1827	3	1826	3	1825	3	1824	3	1823	3	1822	3	1821	3	1820	3	1819	3	1818	3	1817	3	1816	3	1815	3	1814	3	1813	3	1812	3	1811	3	1810	3	1809	3	1808	3	1807	3	1806	3	1805	3	1804	3	1803	3	1802	3	1801	3	1800	3	1799	3	1798	3	1797	3	1796	3	1795	3	1794	3	1793	3	1792	3	1791	3	1790	3	1789	3	1788	3	1787	3	1786	3	1785	3	1784	3	1783	3	1782	3	1781	3	1780	3	1779	3	1778	3	1777	3	1776	3	1775	3	1774	3	1773	3	1772	3	1771	3	1770	3	1769	3	1768	3	1767	3	1766	3	1765	3	1764	3	1763	3	1762	3	1761	3	1760	3	1759	3	1758	3	1757	3	1756	3	1755	3	1754	3	1753	3	1752	3	1751	3	1750	3	1749	3	1748	3	1747	3	1746	3	1745	3	1744	3	1743	3	1742	3	1741	3	1740	3	1739	3	1738	3	1737	3	1736	3	1735	3	1734	3	1733	3	1732	3	1731	3	1730	3	1729	3	1728	3	1727	3	1726	3	1725	3	1724	3	1723	3	1722	3	1721	3	1720	3	1719	3	1718	3	1717	3	1716	3	1715	3	1714	3	1713	3	1712	3	1711	3	1710	3	1709	3	1708	3	1707	3	1706	3	1705	3	1704	3	1703	3	1702	3	1701	3	1700	3	1699	3	1698	3	1697	3	1696	3	1695	3	1694	3	1693	3	1692	3	1691	3	1690	3	1689	3	1688	3	1687	3	1686	3	1685	3	1684	3	1683	3	1682	3	1681	3	1680	3	1679	3	1678	3	1677	3	1676	3	1675	3	1674	3	1673	3	1672	3	1671	3	1670	3	1669	3	1668	3	1667	3	1666	3	1665	3	1664	3	1663	3	1662	3	1661	3	1660	3	1659	3	1658	3	1657	3	1656	3	1655	3	1654	3	1653	3	1652	3	1651	3	1650	3	1649	3	1648	3	1647	3	1646	3	1645	3	1644	3	1643	3	1642	3	1641	3	1640	3	1639	3	1638	3	1637	3	1636	3	1635	3	1634	3	1633	3	1632	3	1631	3	1630	3	1629	3	1628	3	1627	3	1626	3	1625	3	1624	3	1623	3	1622	3	1621	3	1620	3	1619	3	1618	3	1617	3	1616	3	1615	3	1614	3	1613	3	1612	3	1611	3	1610	3	1609	3	1608	3	1607	3	1606	3	1605	3	1604	3	1603	3	1602	3	1601	3	1600	3	1599	3	1598	3	1597	3	1596	3	1595	3	1594	3	1593	3	1592	3	1591	3	1590	3	1589	3	1588	3	1587	3	1586	3	1585	3	1584	3	1583	3	1582	3	1581	3	1580	3	1579	3	1578	3	1577	3	1576	3	1575	3	1574	3	1573	3	1572	3	1571	3	1570	3	1569	3	1568	3	1567	3	1566	3	1565	3	1564	3	1563	3	1562	3	1561	3	1560	3	1559	3	1558	3	1557	3	1556	3	1555	3	1554	3	1553	3	1552	3	1551	3	1550	3	1549	3	1548	3	1547	3	1546	3	1545	3	1544	3	1543	3	1542	3	1541	3	1540	3	1539	3	1538	3	1537	3	1536	3	1535	3	1534	3	1533	3	1532	3	1531	3	1530	3	1529	3	1528	3	1527	3	1526	3	1525	3	1524	3	1523	3	1522	3	1521	3	1520	3	1519	3	1518	3	1517	3	1516	3	1515	3	1514	3	1513	3	1512	3	1511	3	1510	3	1509	3	1508	3	1507	3	1506	3	1505	3	1504	3	1503	3	1502	3	1501	3	1500	3	1499	3	1498	3	1497	3	1496	3	1495	3	1494	3	1493	3	1492	3	1491	3	1490	3	1489	3	1488	3	1487	3	1486	3	1485	3	1484	3	1483	3	1482	3	1481	3	1480	3	1479	3	1478	3	1477	3	1476	3	1475	3	1474	3	1473	3	1472	3	1471	3	1470	3	1469	3	1468	3	1467	3	1466	3	1465	3	1464	3	1463	3	1462	3	1461	3	1460	3	1459	3	1458	3	1457	3	1456	3	1455	3	1454	3	1453	3	1452	3	1451	3	1450	3	1449	3	1448	3	1447	3	1446	3	1445	3	1444	3	1443	3	1442	3	1441	3	1440	3	1439	3	1438	3	1437	3	1436	3	1435	3	1434	3	1433	3	1432	3	1431	3	1430	3	1429	3	1428	3	1427	3	1426	3	1425	3	1424	3	1423	3	1422	3	1421	3	1420	3	1419	3	1418	3	1417	3	1416	3	1415	3	1414	3	1413	3	1412	3	1411	3	1410	3	1409	3	1408	3	1407	3	1406	3	1405	3	1404	3	1403	3	1402	3	1401	3	1400	3	1399	3	1398	3	1397	3	1396	3	1395	3	1394	3	1393	3	1392	3	1391	3	1390	3	1389	3	1388	3	1387	3	1386	3	1385	3	1384	3	1383	3	1382	3	1381	3	1380	3	1379	3	1378	3	1377	3	1376	3	1375	3	1374	3	1373	3	1372	3	1371	3	1370	3	1369	3	1368	3	1367	3	1366	3	1365	3	1364	3	1363	3	1362	3	1361	3	1360	3	1359	3	1358	3	1357	3	1356	3	1355	3	1354	3	1353	3	1352	3	1351	3	1350	3	1349	3	1348	3	1347	3	1346	3	1345	3	1344	3	1343	3	1342	3	1341	3	1340	3	1339	3	1338	3	1337	3	1336	3	1335	3	1334	3	1333	3	1332	3	1331	3	1330	3	1329	3	1328	3	1327	3	1326	3	1325	3	1324	3	1323	3	1322	3	1321	3	1320	3	1319	3	1318	3	1317	3	1316	3	1315	3	1314	3	1313	3	1312	3	1311	3	1310	3	1309	3	1308	3	1307	3	1306	3	1305	3	1304	3	1303	3	1302	3	1301	3	1300	3	1299	3	1298	3	1297	3	1296	3	1295	3	1294	3	1293	3	1292	3	1291	3	1290	3	1289	3	1288	3	1287	3	1286	3	1285	3	1284	3	1283	3	1282	3	1281	3	1280	3	1279	3	1278	3	1277	3	1276	3	1275	3	1274	3	1273	3	1272	3	1271	3	1270	3	1269	3	1268	3	1267	3	1266	3	1265	3	1264	3	1263	3	1262	3	1261	3	1260	3	1259	3	1258	3	1257	3	1256	3	1255	3	1254	3	1253	3	1252	3	1251	3	1250	3	1249	3	1248	3	1247	3	1246	3	1245	3	1244	3	1243	3	1242	3	1241	3	1240	3	1239	3	1238	3	1237	3	1236	3	1235	3	1234	3	1233	3	1232	3	1231	3	1230	3	1229	3	1228	3	1227	3	1226	3	1225	3	1224	3	1223	3	1222	3	1221	3	1220	3	1219	3	1218	3	1217	3	1216	3	1215	3	1214	3	1213	3	1212	3	1211	3	1210	3	1209	3	1208	3	1207	3	1206	3	1205	3	1204	3	1203	3	1202	3	1201	3	1200	3	1199	3	1198	3	1197	3	1196	3	1195	3	1194	3	1193	3	1192	3	1191	3	1190	3	1189	3	1188	3	1187	3	1186	3	1185	3	1184	3	1183	3	1182	3	1181	3	1180	3	1179	3	1178	3	1177	3	1176	3	1175	3	1174	3	1173	3	1172	3	1171	3	1170	3	1169	3	1168	3	1167	3	1166	3	1165	3	1164	3	1163	3	1162	3</
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STEAMBOAT-ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Denn, Edouard	2	.....	1866	2	13	.....	.....	.....	Sorel.....	Cultivateur.....	Board.....	1880	1 00
Dubord, Norbert. ....	.....	3	1878	1	2	.....	.....	.....	do	Nil.....	do	1880	1 00
Desjardin, Edmond .....	.....	3	1877	1	3	.....	.....	.....	do	Hope.....	do	1880	1 00
Dion, Michel.....	2	.....	1860	2	19	.....	.....	.....	Lévis.....	Tiger.....	do	1880	1 00
Davidson, Wm. James	1	.....	1873	5	3	1872	2	.....	New York.....	Shop.....	do	1880	1 00
Drysdale, Thos.....	1	.....	1869	3	9	.....	.....	.....	Quebec.....	Rimouski.....	do	1880	1 00
Desrocher, Louis	2	.....	1868	4	9	.....	.....	.....	Lévis.....	Lake.....	do	1880	1 00
Dufraine, Etienne.....	.....	3	1880	1	.....	.....	.....	.....	do	Flora.....	do	1880	5 00
Dupéré, Joseph.....	.....	1	1875	2	4	.....	.....	.....	do	Beaver.....	do	1880	2 00
Despre, Alfred.....	.....	1	1879	2	.....	.....	.....	.....	Village Lauzon.....	Miramichi.....	do	1880	5 00
Dobbie, John.....	1	.....	1880	1	.....	.....	.....	.....	Halifax, N.S.	Delta.....	do	1880	5 00
Eldridge, Jesse .....	.....	1	1871	1	9	.....	.....	.....	Pt. Colbourne	M. A. McLaughlin	do	1880	1 00
Erans, Charles L. ....	.....	1	1879	2	.....	1879	1	.....	Brockville.....	Victor.....	do	1880	5 00
Edington, Wm.....	.....	1	1869	1	11	.....	.....	.....	Keene.....	Fairy.....	do	1880	1 00
Ewing, John	1	.....	1877	1	3	.....	.....	.....	Halifax, N.S.	Beta.....	do	1880	1 00
Evans, Wm. B.	2	.....	1877	2	1	.....	.....	.....	St. John, N.B.....	Sultan.....	do	1880	5 00
Ericsson, Martin .....	.....	3	1876	1	4	.....	.....	.....	Newcastle.....	New Era.....	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Fraser, Thos.....	.....	1	1879	2	.....	.....	.....	.....	New Glasgow.....	Dredge.....	Board.....	1880	5 00
Fraser, Cameron.....	.....	2	1880	1	.....	.....	.....	.....	do.....	do.....	do.....	1880	5 00
Foster, Robt.....	.....	1	1879	2	.....	1878	1	.....	Victoria, B.C.....	Otter.....	do.....	1880	5 00
Flewett, Wm. M.....	.....	1	1876	1	4	.....	.....	.....	Nanaimo.....	Nellie.....	do.....	1880	1 00
McGinac, Alfred.....	3	.....	1860	1	20	.....	.....	.....	Sorel.....	New York.....	do.....	1880	1 00
Gray, John.....	.....	1	1877	2	2	.....	.....	.....	Toronto.....	Mystic.....	do.....	1880	1 00
Gillespie, Oliver.....	2	.....	1866	2	13	1878	1	.....	Cornwall.....	F. B. Maxwell.....	do.....	1880	1 00
Grier, James.....	.....	2	1877	1	3	1876	4	.....	Thorabury.....	Rescue.....	do.....	1880	1 00
Grof, Theodore.....	.....	3	1878	1	2	.....	.....	.....	Humberstone.....	Shop.....	do.....	1880	1 00
Good, Thos.....	.....	1	1872	3	6	.....	.....	.....	Port Colborne.....	Maggie.....	do.....	1880	1 00
Green, Freeman.....	.....	1	1872	3	6	.....	.....	.....	Dunnville.....	D. P. Day.....	do.....	1880	1 00
Greenlaw, Robt.....	E.	1	1880	1	.....	.....	.....	.....	Toronto.....	Starling.....	do.....	1880	5 00
Gibson, W. H.....	3	.....	1879	1	1	1875	2	.....	Ogdensburg.....	Forest City.....	do.....	1880	1 00
Gallivan, Jas.....	3	.....	1865	1	15	.....	.....	.....	Kingston.....	Elevator.....	do.....	1880	1 00
Gillie, Jas.....	2	.....	1868	5	8	.....	.....	.....	do.....	Pierpoint.....	do.....	1880	1 00
Guyette, John M.....	2	.....	1874	3	4	1873	1	.....	Montreal.....	Champion.....	do.....	1880	1 00
Glandin, F. X.....	2	.....	1860	1	20	.....	.....	.....	do.....	Messenger.....	do.....	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts
Gill, F. H.	.....	1	1869	1	11	.....	.....	.....	Fredericton, N.B.	Ferry	Board	1880	1 00
Gill, Justus	.....	1	1869	1	11	.....	.....	.....	do	do	do	1880	1 00
Gray, Wm. G.	3	.....	1875	3	3	.....	.....	.....	St. John, N.B.	Victor	do	1880	1 00
Gray, John Henry	.....	1	1878	3	.....	.....	.....	.....	Winnipeg	Victoria	do	1880	5 00
Galbraith, Wm.	.....	1	1877	1	3	.....	.....	.....	Victoria, B.C.	Emma	do	1880	1 00
Grant, Gordon Fraser	3	.....	1879	2	.....	1877	2	.....	do	Grappier	do	1880	5 00
Hunter, Walter	3	.....	1866	1	14	.....	.....	.....	Sarnia	Hiawatha	do	1880	1 00
Horgan, Thos.	3	.....	1874	4	3	1874	3	.....	Wye Bridge	Nil	do	1880	1 00
Hawkins, Luke	3	.....	1875	4	2	1877	1	.....	St. Thomas	Forest City	do	1880	1 00
Hooper, F. T.	.....	1	1877	2	1	.....	.....	.....	Rat Portage	Lapsed	do	1880	5 00
Holmes, T. C.	3	.....	1875	3	3	1873	1	.....	Chatham	D. R. Van Allen	do	1880	1 00
Hickey, Thos.	2	.....	1869	4	8	.....	.....	.....	Collingwood	Canada	do	1880	1 00
Huff, George	.....	1	1877	3	1	1877	3	.....	Penetanguishene	Mary Beck	do	1880	5 00
Holt, Henry	.....	1	1880	1	.....	1877	2	.....	Port Colborne	Louise	do	1880	5 00
Huffs, John	.....	1	1878	3	.....	.....	.....	.....	Allenburgh	C. M. Carter	do	1880	5 00
Heverley, Silas	.....	1	1879	1	1	1878	1	.....	Owen Sound	Wm. Ross	do	1880	1 00
Hugo, T. W.	2	.....	1870	5	6	.....	.....	.....	Owen Sound	City of O. Sound	do	1880	1 00

<i>Hallock, L. D.</i>	<i>E.</i>	<i>1</i>	<i>1877</i>	<i>2</i>	<i>3</i>	<i>1878</i>	<i>3</i>	<i>Despatch.</i>	<i>1880</i>	<i>5 00</i>	
<i>Harrington, John</i>	3	.....	1877	4	.....	1879	1	Toronto..... Jane Miller.....	do	1880	5 00
<i>Bill, J. E.</i>	3	.....	1875	3	.....	1874	3	do..... S. S. Edsall.....	do	1880	1 00
<i>Hart, John</i>	.....	1	1875	3	.....	1877	3	Minneapolis..... Mary Ann.....	do	1880	5 00
<i>Hickey, James</i>	2	.....	1862	1	.....	.....	18	Garden Island..... Traveller.....	do	1880	1 00
<i>Hazlett, John</i>	2	.....	1889	5	.....	.....	7	Kingston..... H. F. Brownson.....	do	1880	1 00
<i>Hazlett, George</i>	.....	3	1879	1	.....	.....	1	do..... do	do	1880	1 00
<i>Hiscock, Edgar</i>	3	.....	1876	3	.....	.....	2	do..... Prince Edward.....	do	1880	5 00
<i>Harrison, John</i>	.....	1	1875	2	.....	1874	3	do..... Adventure.....	do	1880	1 00
<i>Howard, John</i>	2	.....	1868	1	.....	.....	12	Henderson, N.Y..... Magnet.....	do	1880	1 00
<i>Henderson, George</i>	.....	1	1870	3	.....	.....	8	Kingston..... Glide.....	do	1880	1 00
<i>Hebert, Paul</i>	E.	1	1874	2	.....	.....	5	Montreal..... Elevator No. 11.....	do	1880	5 00
<i>Hunault, Pierre</i>	E.	1	1874	2	.....	.....	5	do..... Elevator No. 12.....	do	1880	5 00
<i>Hallada, Robert</i>	.....	1	1870	3	.....	1869	1	Prescott..... Deux Rivières.....	do	1880	1 00
<i>Higgins, James</i>	.....	2	1874	2	.....	.....	5	Pembroke..... C. O. Kelly.....	do	1880	1 00
<i>Harrison, John</i>	2	.....	1877	3	.....	.....	1	do..... Sir John Young.....	do	1880	5 00
<i>Hodgins, George</i>	.....	2	1875	2	.....	.....	4	Como..... Peerless.....	do	1880	1 00
<i>Holland, Wm</i>	2	.....	1868	1	.....	.....	12	Montreal..... Manitoba.....	do	1880	1 00
<i>Hodgins, Joseph</i>	.....	3	1873	2	.....	.....	6	Como..... Prince of Wales.....	do	1880	1 00
<i>Hamelin, Hercule</i>	.....	1	1875	3	.....	.....	3	Champlain..... J. B. A.....	do	1880	1 00
<i>Hamerlin, Zepherin</i>	.....	1	1871	3	.....	.....	7	Montreal..... Messenger.....	do	1880	1 00
<i>Halle, Joseph</i>	3	.....	1874	4	.....	.....	2	do..... Calumet.....	do	1880	1 00
<i>Hunter, James H.</i>	1	.....	1860	1	.....	.....	20	Sorel..... Dredge.....	do	1880	1 00
<i>Hebert, Elie</i>	.....	2	1878	2	.....	.....	1	Contrecoeur..... Hero.....	do	1880	5 00
<i>Hamel, U. bain</i>	3	.....	1875	4	.....	.....	2	Lotbinière..... Nil.....	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Heighton, Peter	.....	1	1878	2	1	.....	.....	.....	New York	Bahama	Board	1880	5 00
Hicks, Henry	.....	1	1874	3	4	.....	.....	.....	Valcartier	Druid	do	1880	1 00
Haince, Ferdinand	.....	1	1876	3	2	.....	.....	.....	Lévis	Champion, 1	do	1880	1 00
Hamilton, Gavin	3	.....	1874	4	3	.....	.....	.....	Quebec	Conqueror, 2	do	1880	1 00
Houde, Eusèbe	3	.....	1869	2	10	.....	.....	.....	Lévis	Union	do	1880	1 00
Hamel, Alfred	.....	1	1874	3	4	.....	.....	.....	St. Croix	St. Lawrence	do	1880	1 00
Hamel, Constant	.....	3	1878	2	1	.....	.....	.....	Lotbinière	Bienvenu	do	1880	1 00
Hetherington, John	.....	2	1880	1	.....	.....	.....	.....	St. Rock, Que.	Nil	do	1880	5 00
Hatter, Charles	.....	3	1880	1	.....	.....	.....	.....	Halifax, N.S.	Nil	do	1880	5 00
Haviland, Thos	.....	1	1872	1	8	.....	.....	.....	Chatham, N.B.	Teaser	do	1880	1 00
Hathaway, H. A.	1	.....	1869	1	11	.....	.....	.....	St. John, N.B.	Empress	do	1880	1 00
Hanrahan, R.	.....	2	1879	1	1	.....	.....	.....	Pictou, N.S.	Dredge	do	1880	1 00
Hume, James	.....	3	1876	1	4	.....	.....	.....	Sydney, C.B.	Dolphin	do	1880	2 00
Hare, Michael	3	.....	1880	1	.....	1878	2	.....	Victoria, B.C.	Woodside	do	1880	5 00
Hattersley, Edward	1	.....	1876	2	3	1876	2	.....	do	Otter	do	1880	1 00
Hickey, Patrick	3	.....	1876	1	3	.....	.....	.....	Burrard Inlet	Etta White	do	1880	1 00
Jameson, Samuel	.....	2	1878	2	1	.....	.....	.....	Owen Sound	America	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
Kinnon, John	3	.....	1879	2	.....	1877	2	.....	Orillia	Carriella	Board	1880	\$ cis 5 00
Kully, Wm	3	.....	1866	2	13	.....	.....	.....	Garden Island	John A. Macdonald	do	1880	1 00
Kenny, Patrick	.....	2	1879	2	.....	.....	.....	.....	Jones' Falls	Olive	do	1880	5 00
Kelly, James H.	2	.....	1864	2	15	.....	.....	.....	Brockville	Ruby	do	1880	1 00
Kenny, John J	.....	2	1879	2	.....	.....	.....	.....	Jones' Falls	Adventure	do	1880	5 00
Kilcawley, Patrick	.....	1	1872	3	6	.....	.....	.....	Kingston	Eleanor	do	1880	1 00
Kenny, Philip	.....	1	1873	2	6	1871	2	.....	Montreal	H. H. Whitney	do	1880	1 00
Kennedy, Wm	2	.....	1874	3	4	.....	.....	.....	St. John, N. B.	May Queen	do	1880	2 00
Kennedy, David	2	.....	1880	1	.....	1877	3	.....	Victoria, B. C.	Isabel	do	1880	5 00
Lovley, Edward	3	.....	1874	4	3	1876	2	.....	Sarnia	Tecumseh	do	1880	5 00
Lawrence, Zacharias	.....	1	1873	2	6	.....	.....	.....	Welland	Kitty Haight	do	1880	2 00
Leetch, Robt.	3	.....	1873	3	5	.....	.....	.....	Welland	Kittie Haight	do	1880	1 00
Leaney, W I er	.....	1	1872	3	6	.....	.....	.....	Port Robinson	D. E. McFarland	do	1880	1 00
Lawrence, Peter	.....	1	1871	3	7	1871	1	.....	Welland	T. H. Naamith	do	1880	1 00
Leetch, Thos	.....	1	1873	3	5	1876	1	.....	do	C. J. G. Munro	do	1880	1 00
Lockerbie, Wm	2	.....	1873	4	4	1872	1	.....	Collingwood	Northern Queen	do	1880	1 00
La Mere, Peter	2	.....	1867	1	13	.....	.....	.....	Prescott	Mill	do	1880	1 00

Name	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
Leclerc, Rogerick	1	1874	2	1880	1	Dundas	R. S. Sperry	do	1 00								
Liddell, James G.	2	1880	1	Kingston	Shop	do	5 00										
Lafoucier, Louis	1	1871	2	1870	1	St. Andrews	Ivanhoe	do	1 00								
Langlois, Zopherin	3	1863	1	17	Montreal	Manxman	do	3 00									
Long, John A.	1	1873	3	5	Ottawa	John Henry	do	1 00									
Lapine, Natlie	1	1870	2	9	Carillon	Canada	do	1 00									
Loyer, Theodore	3	1875	4	2	Gatineau Point	Welchman	do	5 00									
Locke, Jas. Lee	3	1878	2	1	Montreal	Glenlogan	do	5 00									
Leclaire, Joseph	2	1876	2	3	Lachine	Nipigon	do	1 00									
Lefavre, Isadore	3	1867	1	13	Carillon	Matilda	do	2 00									
Lalonde, Alphonse	1	1871	2	8	Rigaud	Nil	do	1 00									
Leclaire, Dominique	1	1874	3	4	1878	1	Lachine	Plover	do	1 00							
Leclaire, Jean B.	3	1875	1	5	Valleyfield	do	do	1 00									
Leclaire, Michel	2	1860	1	20	Sorel	Berthier	do	1 00									
Lafache, Augustin	2	1860	1	20	do	Three Rivers	do	1 00									
Lamotte, Olivier	3	1861	1	16	do	Criquet	do	1 00									
Laerolx, Louis	3	1860	1	20	do	Arthur	do	1 00									
Lacroix, Pierre	3	1860	1	20	do	Nil	do	1 00									
Laclaire, Wm	2	1868	2	11	1879	1	do	City of St. John	do	5 00							
Lusier, Raphael	2	1860	2	19	do	Fire-Fly	do	1 00									
Lamerville, Archil	3	1870	3	8	do	Bourgeois	do	5 00									
Lavalée, Alfred	1	1873	2	1	do	Cultivateur	do	5 00									
Lacombe, Louis	3	1860	1	20	do	Albert	do	1 00									
Ladébouche, Emile	3	1830	1	do	do	Canada	do	5 00									
Lacombe, Alfred	1	1875	2	4	do	Georgiana	do	1 00									

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880 - *Continued.*

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certif. cate.	Fee. \$ cts.
Lapointe, Michel.....	.....	1	1870	1	10	.....	.....	.....	Village Lauzon.....	Conqueror, No. 2... Board	.....	1880	1 00
Lafaire, Hector.....	.....	3	1878	1	2	.....	.....	.....	Deschambault.....	Reindeer.....	do	1880	1 00
Lacroix, Wilbrod.....	2	.....	1860	2	19	.....	.....	.....	Lévis.....	Nil.....	do	1880	1 00
Lamotte, Nazaire.....	3	.....	1870	3	8	.....	.....	.....	St. Antoine.....	Dauntless.....	do	1880	2 00
♣ Lessard, Augustin.....	.....	2	1876	2	3	1874	1	.....	Quebec.....	Lady Dufferin.....	do	1880	2 00
Lamotte, Louis.....	1	.....	1860	3	18	.....	.....	.....	St. Nicholas.....	Express.....	do	1880	5 00
Lamotte, Octave.....	.....	1	1871	3	7	.....	.....	.....	St. Croix.....	Saguenay.....	do	1880	1 00
Lahaye, Francis.....	2	.....	1860	1	20	.....	.....	.....	Lévis.....	St. George.....	do	1880	1 00
Lacroix, Tremé.....	2	.....	1860	1	20	.....	.....	.....	St. Anne.....	Etoile.....	do	1880	1 00
Lard, Joseph Gideon..	3	.....	1876	4	1	.....	.....	.....	Cape St. Ignace....	May Flower.....	do	1880	5 00
Lapointe, Eusèbe.....	.....	1	1873	3	5	.....	.....	.....	Lauzon.....	Mersey.....	do	1880	3 00
Lapointe, Joseph.....	2	.....	1860	1	20	.....	.....	.....	do	Shannon.....	do	1880	1 00
Latulippe, Michel.....	.....	3	1880	1	.....	.....	.....	.....	St. Vallier.....	Champion.....	do	1880	5 00
Léduc, Zotique.....	.....	2	1876	2	3	.....	.....	.....	St. Rock, Que.....	Randolph.....	do	1880	2 00
Lamotte, Ubald.....	3	.....	1867	1	13	.....	.....	.....	St. Antoine.....	Contest.....	do	1880	1 00
Lemieux, Joseph.....	2	.....	1870	4	7	.....	.....	.....	Lévis.....	Prince Edouard.....	do	1880	1 00
Lafleur, Xavier.....	2	.....	1866	1	20	.....	.....	.....	St. Antoine.....	City of Ottawa.....	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cts.
Mephan, William.....	3	.....	1875	4	2	1877	1	.....	Collingwood.....	Magdalen.....	Board.....	1880	5 00
Morrill, Thomas.....	.....	1	1878	3	.....	1879	1	.....	do.....	Minnie Walker.....	do.....	1880	5 00
Miller, William.....	.....	1	1876	3	2	.....	.....	.....	Kingston.....	Columbia.....	do.....	1880	5 00
Main, Thomas.....	.....	1	1879	1	1	1878	1	.....	Welland.....	Mocking Bird.....	do.....	1880	1 00
Mitchell, George.....	3	.....	1869	1	11	.....	.....	.....	Port Colborne.....	Mary.....	do.....	1880	1 00
Munro, Francis.....	1	.....	1862	2	17	.....	.....	.....	Kingston.....	City of St. Catharines.	do.....	1880	5 00
Mills, J. A.....	2	.....	1869	5	7	1873	1	.....	St. Catharines.....	Waterworks.....	do.....	1880	1 00
Morrow, James.....	.....	2	1879	2	.....	.....	.....	.....	Owen Sound.....	Jane Miller.....	do.....	1880	5 00
Meads, Wm.....	.....	1	1879	2	.....	.....	.....	.....	Hamilton.....	Armenia.....	do.....	1880	5 00
Marshall, Irwin.....	.....	2	1879	2	.....	.....	.....	.....	Kingston.....	Francis Smith.....	do.....	1880	5 00
Mills, Thos.....	.....	2	1874	2	5	1873	1	.....	Toronto.....	Niagara.....	do.....	1880	1 00
Moore, John McW.....	.....	3	1880	1	.....	.....	.....	.....	Battersea.....	Robt. Anglin.....	do.....	1880	5 00
Marshall, Robt.....	.....	1	1877	3	1	.....	.....	.....	Kingston.....	Jessie Hall.....	do.....	1880	1 00
Miller, John.....	2	.....	1865	1	15	.....	.....	.....	do.....	Empress of India.....	do.....	1880	1 00
Mathews, Jacob.....	.....	1	1870	2	9	.....	.....	.....	do.....	Marquis of Lorne.....	do.....	1880	1 00
Merriman, Charles.....	.....	1	1875	2	4	1876	1	.....	Mill Point.....	Pilgrim.....	do.....	1880	1 00

	1	1870	3	8	9		St. Louis de Gon- sagen.	do	do	1880	1 00
Murray, James	3	1876	4	1			Chieftain.....	do	do	1880	1 00
Mullin, John	2	1861	1	19			Garden Island.....	do	do	1880	1 00
Murray, James	3	1875	4	2	1874	1	Kingston.....	do	do	1880	5 00
Mulholland, James	3	1876	4	1			do	do	do	1880	5 00
Mouch, Rolla O	3	1875	4	2			Morrisburg.....	do	do	1880	1 00
Murphy, Martin	3	1875	4	2			Elgin.....	do	do	1880	1 00
Milne, William	3	1864	2	15			Kingston.....	do	do	1880	1 00
Morsey, John	3	1879	1	1			Peterborough.....	do	do	1880	1 00
Marchand, Adolph	3	1870	3	8			Lakefield.....	do	do	1880	5 00
Morris, Christopher G.	3	1878	3		1877	1	Montreal.....	do	do	1880	5 00
Marchand, Joseph	E.	1873	3	5			Champlain.....	do	do	1880	5 00
Mussell, James	E.	1880	1				Montreal.....	do	do	1880	1 00
Meanish, George	2	1867	2	11			do	do	do	1880	1 00
Martin, Pierre		1873	1	7	1873	1	do	do	do	1880	1 00
Morin, Demase		1875	3	3	1873	1	do	do	do	1880	1 00
Morrison, Reuben A		1872	3	6			do	do	do	1880	5 00
Mohan, William	3	1880	1				do	do	do	1880	1 00
Martineau, Joseph	2	1865	1	15			do	do	do	1880	1 00
Martineau, Jos, jun		1874	2	5			do	do	do	1880	1 00
Matte, Charles	2	1860	1	20			Sorel.....	do	do	1880	1 00
Mathieu, Thos	2	1860	1	19			do	do	do	1880	1 00
Martin, Asa	1	1860	1	20			do	do	do	1880	1 00
Mallotte, Pierre	3	1861	1	19			do	do	do	1880	1 00
Manderville, François	2	1860	1	20			do	do	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Matte, Jean Baptiste...	3	1866	1	14	Sorel.....	Terrebone.....	Board.....	1880	1 00
Matte, Wm.....	2	1872	3	6	1872	1	do.....	Abernakie... ..	do.....	1880	1 00
Mareau, Flavien.....	2	1873	2	6	St. Antoine.....	Dacey.....	do.....	1880	2 00
Matte, John.....	2	1860	1	20	Sorel.....	Canada.....	do.....	1880	1 00
Marchand, Narcisse.....	1	1873	3	5	Champlain.....	Algerian.....	do.....	1880	1 00
Marchand, Joseph.....	2	1867	1	13	do.....	Elevator.....	do.....	1880	5 00
Martin, Alexis.....	2	1862	2	17	Sorel.....	Star.....	do.....	1880	1 00
Marcotte, Thos.....	3	1874	1	6	do.....	Dredge.....	do.....	1880	1 00
Marchand, Hilaire.....	2	1878	2	1	Champlain.. ..	Princess.....	do.....	1880	1 00
Martin, Joseph.....	1	1873	3	5	Sorel.....	Dredge.....	do.....	1880	1 00
Money, David M. A.	3	1860	1	Halifax, N.S.....	Acadian.....	do.....	1880	5 00
Martin, Ernest.....	2	1876	3	2	1874	2	Lévis.....	Champion.....	do.....	1880	1 00
Michaud, Achille.....	2	1879	2	St. Sauveur.....	Druid.....	do.....	1880	5 00
Mercier, Charles.....	3	1880	1	River Ouelle.....	Resolute.....	do.....	1880	5 00
Marchand, Joseph.....	3	1879	1	1	Champlain.....	Gatineau.....	do.....	1880	1 00
Moreau, Joseph.....	3	1878	1	2	River Ouelle	Gertie.....	do.....	1880	2 00
Marshall, James.....	1	2	6	Sydney, O.B.....	Unicorn.....	do.....	1880	1 00

Names, Christian	1	1878	1	4	1879	1	N. Westminster	Princess Louise	do	1880	1 00
Mason, Robert	2	1880	1	1	1879	1	Victoria, B. C.	Pilot	do	1880	5 00
Ménanteau, August	3	1877	1	3	1878	2	Kamloops	Spallumcheene	do	1880	1 00
Ménanteau, August	L	1877	1	3	1878	3	Kamloops	Spallumcheene	do	1880	5 00
McQuade, Henry	1	1875	3	3	1879	1	Silver Islet	Hattie Vinton	do	1880	5 00
McLaren, Ronald	3	1876	1	4			Sarnia	Trudeau	do	1880	1 00
McMeekin, Wm.	2	1879	2				Hamilton	Eclipse	do	1880	5 00
McDonald, Alex.	2	1870	4	7			Sarnia	Saginaw	do	1880	1 00
McQuade, David	3	1874	4	3	1877	1	Collingwood	Silver Islet	do	1880	1 00
McLoud, David	1	1877	3	1	1877	1	Wallaceburg	Victoria	do	1880	1 00
McGee, Wm.	1	1877	1	3			Collingwood	Mill	do	1880	1 00
McCauley, James	2	1879	2				Collingwood	Mary Ann	do	1880	5 00
McCracken, Theo. Jas.	2	1879	2				Port Robinson	D. E. McFarland	do	1880	5 00
Mason, Wm.	3	1876	1	4			Halifax, N. S.	M. A. Start	do	1880	1 00
Miller, I. C.	1	1877	1	3			Derby, N. B.	Miramichi	do	1880	1 00
Mitchell, Wm.	1	1875	2	4			P. Edward Island	Ferry	do	1880	1 00
Morris, James	1	1873	2	6			St. John, N. B.	Glendon	do	1880	1 00
Morton, Wm.	3	1869	1	11			Halifax, N. S.	Ferry	do	1880	1 00
Miller, J. D.	2	1877	2	2	1871	1	Yarmouth, N. S.	Alida	do	1880	5 00
Morris, Malcom	1	1879	2				St. John, N. B.	Ferry	do	1880	5 00
Moir, Wm.	2	1878	1	2			Halifax, N. S.	May Queen	do	1880	1 00
Mowbray, James	1	1872	1	8			St. John, N. B.	Enterprise	do	1880	1 00
Moir, John	2	1880	1				Halifax, N. S.	Nil	do	1880	5 00
Mays, D. B.	3	1869	2	10			St. John, N. B.	Ada G.	do	1880	1 00
Madigan, Benjamin	2	1876	1	4			Victoria, B. C.	Beaver	do	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee. \$ cts.
Marwick, Jas. H.....	.....	1	1876	1	4	.....	.....	.....	N. Westminster.....	Leviathan.....	Board.....	1880	1 00
McCullock, John.....	.....	1	1872	2	7	1868	1	.....	Port Colbourne.....	C. M. Carter.....	do.....	1880	1 00
McCoppin, James.....	.....	1	1878	3	.....	.....	.....	.....	Port Robinson	M. B. Mitchell.....	do.....	1880	5 00
McKee, John.....	.....	2	1875	2	4	.....	.....	.....	Dunville	H. Neelon	do.....	1880	1 00
McArthur, Alex	3	.....	1872	4	5	1871	1	.....	Pitt's Ferry.....	Nipissing.....	do.....	1880	1 00
McBride, Thos.....	.....	1	1877	3	1	.....	.....	.....	Collingwood.....	Metamora.....	do.....	1880	1 00
McKenzie, John.....	.....	2	1879	2	.....	.....	.....	.....	Gravenhurst.....	Nipissing	do.....	1880	5 00
McGillivray, James.....	.....	1	1878	2	1	1877	2	.....	Washbourne	Robt. Anglin.....	do.....	1880	1 00
McReady, Wm .....	.....	3	1874	1	6	1873	1	.....	Garden Island.....	Empress of India.....	do.....	1880	1 00
McBride, Arch	2	.....	1863	2	16	.....	.....	.....	Kingston	Corsican.....	do.....	1880	1 00
McBride, Robert.....	3	.....	1863	1	17	.....	.....	.....	do.....	Spartan	do.....	1880	1 00
McArdle, Patrick.....	.....	2	1879	2	.....	.....	.....	.....	do.....	Elevator.....	do.....	1880	5 00
McPaul, Michel, sen ..	3	.....	1866	1	15	.....	.....	.....	do.....	H. B. Sherwood.....	do.....	1880	1 00
McEwan, John F.....	3	.....	1871	2	8	.....	.....	.....	do.....	Shop.....	do.....	1880	1 00
McCuaig, Duncan.....	3	.....	1866	1	14	.....	.....	.....	Allan's Corners	Chaudière.....	do.....	1880	1 00
McElroy, Thos.....	.....	1	1867	1	13	.....	.....	.....	Ottawa.....	Mac.....	do.....	1880	1 00
McAllister, James .....	.....	2	1878	1	2	.....	.....	.....	do.....	Nil.....	do.....	1880	2 00

McGowan, Wm.	1	1865	1	15	do	Maude	do	1860	1 00
McRoberts, Alex.	2	1860	1	20	Chateauguay	Peerless	do	1880	1 00
McNeil, John	1	1869	3	9	Ottawa	Resolute	do	1880	2 00
McLean, David	2	1870	2	9	Aylmer	Bohemian	do	1880	1 00
McMillan, Wm.	1	1879	2	.....	Quebec	Alhambra	do	1880	5 00
McDonald, Angus	2	1871	2	8	Pictou, N.S.	Dragon	do	1880	1 00
McDonald, John	3	1873	2	6	Newcastle, N.B.	Andover	do	1880	1 00
McFarlane, D. H.	1	1872	2	7	Pictou, N.S.	Nil	do	1880	1 00
McKenzie, Alan	3	1876	2	3	Sydney, C.B.	Lady of Lake	do	1880	5 00
McKenzie, J. T.	2	1876	4	1	St. John, N.B.	Dredge	do	1880	5 00
McKenzie, D. H.	1	1876	1	4	Sydney, U.B.	L. Boyer	do	1880	1 00
McKenzie, Wm.	3	1874	3	4	St. John, N.B.	Send	do	1880	1 00
McMillan, John	1	1878	1	2	P. Edward Island	N. Light	do	1880	1 00
McPherson, Alex'r.	1	1877	2	2	do	Montague	do	1880	5 00
McPherson, Robert	3	1876	1	4	do	N. Light	do	1880	1 00
McDonald, Stephen	2	1877	2	2	do	Prince of Wales	do	1880	1 00
McCarty, Daniel	1	1876	2	3	St. John, N.B.	Derigo	do	1880	5 00
McGachey, Henry	3	1874	2	5	do	Ferry	do	1880	1 00
McKinnon, A.	1	1875	1	5	do	Hunter	do	1880	1 00
McMurray, Alex'r.	1	1869	2	10	do	Dredge	do	1880	5 00
McMurray, J. F.	1	1869	1	11	do	do	do	1880	3 00
McDonald, Donald	2	1880	1	.....	Pictou, N.S.	Ina	do	1880	5 00
McMurray, J. B.	1	1872	1	8	St. John, N.B.	Dredge	do	1880	2 00
McVicar, Donald	1	1880	1	.....	Glouce Bay, C.B.	E. M. Cotes	do	1880	5 00
McLeod, John	1	1880	1	1879	Grandique, C.B.	Richmond	do	1880	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examine i.	Date of Certificate.	Fee.
													\$ cts.
McFarlane, Charles....	2	.....	1876	1	4	.....	.....	.....	P. Edward Island.	Nil	Board	1880	2 00
McFarlane, Chas., jun	3	.....	1878	2	1	.....	.....	.....	do	Alpha	do	1880	6 00
McDonald, Ronald....	.....	1	1876	2	3	1877	1	.....	Pictou, N.S.	Tiger	do	1880	2 00
McAker, Edward.....	1	.....	1869	2	10	.....	.....	.....	St. John, N.B.	Nil	do	1880	1 00
McCarthy, Charles .....	.....	2	1880	1	.....	.....	.....	.....	do	do	do	1880	5 00
McRobbie, I. R.....	.....	1	1880	1	.....	.....	.....	.....	do	do	do	1880	5 00
McMonegal, Wm.....	.....	1	1880	1	.....	.....	.....	.....	do	Greenland	do	1880	5 00
McArthur, Jas, No. 2.	2	.....	1878	2	1	.....	.....	.....	N. Westminster	Royal City	do	1880	1 00
McIntosh, Eneas John	2	.....	1878	2	1	1877	2	.....	Victoria, B.C.	Georgie	do	1880	1 00
McPherson, Thomas....	.....	2	1879	1	1	1878	1	.....	Winnipeg	Alpha	do	1880	1 00
Neff, Sylvanus.....	3	.....	1875	3	3	1876	1	.....	Pt. Colborne	Salty Jack	do	1880	5 00
Norcross, S. R.....	3	.....	1866	1	20	.....	.....	.....	do	Olivia Gordon	do	1880	1 00
Nisbit, John	3	.....	1876	3	2	1875	1	.....	Owen Sound	City of O. Sound	do	1880	5 00
Norton, F. J .....	.....	1	1875	2	4	1873	3	.....	Penetanguishene	Mary Beck	do	1880	1 00
Newton, J	3	E.	1878	3	.....	1878	1	.....	Ottawa	Agnes McMahon	do	1880	5 00
Noyes, hn O.....	.....	2	1878	2	1	.....	.....	.....	Chatham	Manitoba	do	1880	1 00
Norval, Robert.....	2	.....	1861	1	19	.....	.....	.....	Beaubarnois	St. Francis	do	1880	1 00

<i>Naval, Hygiene, &c.</i>	1	1877	3	1	1	1880	5 00
Nadeau, John	3	1870	2	9	do	1880	5 00
Nichol, John D.	1	1879	2	do	do	1880	5 00
Neil, Henry	1	1877	1	3	do	1880	1 00
Orchard, H.	1	1872	1	8	do	1880	1 00
O'Brian, John N.	1	1871	2	8	do	1880	1 00
O'Neill, Michael J.	1	1877	3	1	do	1880	5 00
O'Reilly, Thos.	2	1865	2	14	do	1880	1 00
Orniston, Wm. A.	2	1879	1	1	do	1880	1 00
O'Neill, James A.	3	1876	4	1	do	1880	5 00
O'Reilly, James	2	1867	4	10	do	1880	5 00
Ostrout, George	1	1863	1	17	do	1880	2 00
O'Brien, Patrick	3	1878	1	2	do	1880	1 00
Ouellet, François	1	1872	3	6	do	1880	3 00
O'Keefe, M.	2	1880	1	do	do	1880	5 00
Patterson, James	1	1879	2	do	do	1880	5 00
Palmer, Isaac W.	1	1878	3	do	do	1880	5 00
Pool, N. S.	2	1878	2	1	do	1880	1 00
Payne, I. G.	3	1879	1	1	do	1880	1 00
Pirie, Alexander	1	1879	2	do	do	1880	5 00
Parent, I. I.	2	1878	2	1	do	1880	5 00
Pettigrew, Geo.	2	1876	5	1	do	1880	5 00
Price, Thos.	1	1878	2	1	do	1880	5 00
Park, James M.	3	1878	1	2	do	1880	1 00
Park, Joseph	2	1865	1	15	do	1880	1 00

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STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Polly, John.....	2	1878	2	1	Picton.....	Board.....	Board.....	1880	1 00
Poor, George.....	1	1873	3	5	Welland.....	Dufferin.....	do.....	1880	1 00
Potts, Fred.....	3	1873	4	4	St. Catharines.....	Shop.....	do.....	1880	1 00
Port, Andrew.....	1	1871	2	8	Collingwood.....	Prince Alfred.....	do.....	1880	1 00
St. Patterson, Joseph.....	3	1874	4	3	1873	1	Toronto.....	Niagara.....	do.....	1880	1 00
Parker, William.....	2	1880	1	Kingston.....	Shop.....	do.....	1880	5 00
Pendergast, James.....	2	1872	2	7	Cornwall.....	Norseman.....	do.....	1880	1 00
Polson, Franklin.....	1	1879	2	1879	1	Cobourg.....	Fairy.....	do.....	1880	5 00
Polson, William.....	1	1876	2	3	do.....	Shop.....	do.....	1880	1 00
Powers, Jeffrey.....	3	1866	1	14	Ottawa.....	C. O. Kelly.....	do.....	1880	1 00
Paquin, Santance.....	3	1880	1	Hull.....	Shickluna.....	do.....	1880	5 00
Pich, Napoleon.....	2	1872	5	4	Montreal.....	Caroline.....	do.....	1880	1 00
Paquin, Treflé.....	1	1870	3	8	Descambault.....	William.....	do.....	1880	1 00
Paquette, Jérémie.....	2	1860	1	20	Longueuil.....	Montarville.....	do.....	1880	1 00
Paquette, Modest.....	3	1865	1	15	Montreal.....	Beauharnois.....	do.....	1880	1 00
Piché, Michel.....	3	1873	4	5	Greeves Point.....	Gatineau.....	do.....	1880	1 00
Polyvin, Jean B.....	1	1874	3	4	Longueuil.....	Bohemian.....	do.....	1880	1 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880 — Continued.

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													\$ cts
Query, Onezime.....	1	1860	1	20	Sorel.....	John Young.....	Board.....	1880	1 00
Quinn, Henry.....	1	1873	3	5	Quebec.....	Dolphin.....	do.....	1880	1 00
Quimby, Vestus.....	1	1880	1	1878	2	Nanaimo.....	Hyack.....	do.....	1880	5 00
Reilly, Robert.....	1	1862	2	17	P. E. Island.....	International.....	do.....	1880	1 00
Reid, Thos. G.	3	1871	1	9	Hamilton.....	Nil.....	do.....	1880	1 00
Reynolds, James F.	2	1870	3	8	1869	2	Dundas.....	California.....	do.....	1880	5 00
Ross, John, No. 1.....	1	1869	1	11	Port Robinson.....	M. R. Mitchell.....	do.....	1880	1 00
Ross, George, No. 1.....	3	1873	1	7	Pt. Robinson.....	M. R. King.....	do.....	1880	1 00
Ross, William.....	1	1869	1	11	do.....	Five Brothers.....	do.....	1880	1 00
Ross, Robert.....	1	1874	3	4	do.....	M. R. King.....	do.....	1880	1 00
Radclyffe, E. D.	1	1878	3	1877	2	St. Catharines.....	R. B. McPherson.....	do.....	1880	5 00
Robinson, Fred.....	E	1	1878	2	1879	1	Keswick.....	Isabella.....	do.....	1880	5 00
Reynolds, Sam'l.....	1	1873	3	5	1879	1	Port Hope.....	A. Wright.....	do.....	1880	5 00
Roy, Francis.....	3	1866	2	13	1875	1	Prescott.....	Transit.....	do.....	1880	1 00
Rochfort, Alex'r.....	1	1869	2	10	Kingston.....	Lily.....	do.....	1880	1 00
Reynolds, George.....	2	1880	1	do.....	Shop.....	do.....	1880	5 00
Rice, John.....	1	1877	3	1	Newboro'.....	McArthur.....	do.....	1880	5 00

	1	1879	3	10	1878	3	Little Britain	Col. Strickland	do	1880	5 00
Bodinus, Joseph	1	1880	2	10			Ottawa	Eddie May	do	1880	2 00
Bodgers, William	2	1860	1	20			Montreal	Nil	do	1880	9 00
Bivât, Leon	3	1879	1	1			do	do	do	1880	1 00
Robinson, James	1	1860	2	19			Lachine	Prince of Wales	do	1880	1 00
Ryan, Thos	3	1863	1	17			Sorel	Zebra	do	1880	1 00
Racicot, Antoine	3	1867	1	13			do	Nil	do	1880	1 00
Robert, Placide	3	1864	1	16			do	Louise	do	1880	1 00
Rondeau, Louis	2	1879	2				Montreal	Caroline	do	1880	5 00
Racette, Moïse	3	1877	1	3			Sorel	Nil	do	1880	1 00
Rondeau, Dieudonné	3	1876	1	4			do	Champlain	do	1880	1 00
Raymond, Onésime	3	1877	3	1			do	St. James	do	1880	5 00
Rapelle, George	3	1873	3	5			do	Elevator	do	1880	1 00
Ritter, Edmund	1	1878	2	1	1877	1	St. Romauld	Margaretta Steven- son	do	1880	5 00
Ryan, Thos, jun	1	1860	2	19			do	Nil	do	1880	3 00
Ryan, Thos, sen	3	1873	3	5			Lévis	Favorite	do	1880	6 00
Roy, Cyrille	1	1866	3	12			Quebec	Napoleon III	do	1880	1 00
Rulph, Josiah	3	1879	1	1			Lévis	South	do	1880	1 00
Roussel, Luc	3	1869	4	8			Lauson	Margaret M	do	1880	5 00
Roy, Alfred	3	1877	2	2			Halifax	Nil	do	1880	2 00
Reynolds, A. J.	3	1880	1				Lévis	Polino	do	1880	5 00
Ruel, Jean	1	1874	3	4			do	Maud	do	1880	1 00
Rouveau, Mederic	3	1875	1	5			St. Stephen, N.B.	Wm. Stroud	do	1880	1 00
Ray, Thomas	1	1876	3	2			Pictou, N.S.	Alpha	do	1880	5 00
Reid, John	1	18 9	2				Halifax, N.S.	Glendon	do	1880	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Riddle, George W.....	1	1872	1	8	Yarmouth, N.S.....	Nil.....	Board.....	1880	1 00
Rowe, Wm. C.....	1	1872	1	8	do.....	Dominion.....	do.....	1880	2 00
Roach, Thos.....	2	1869	2	10	1868	1	Fredericton, N.B.....	Enterprise.....	do.....	1880	1 00
Russel, James.....	2	1880	1	Newcastle, N.B.....	Nil.....	do.....	1880	5 00
Ryan, James W.....	1	1878	3	1877	1	Pictou, N.S.....	Daisy.....	do.....	1880	5 00
Robertson, John.....	3	1876	1	4	Victoria, B.C.....	Cariboo Fly.....	do.....	1880	1 00
Robertson, John.....	3	L	1876	1	4	1880	1	do.....	do.....	do.....	1880	5 00
Stromer, David.....	2	1876	2	3	1877	1	Kincardine.....	Bob Hackett.....	do.....	1880	1 00
Smith, Wm. H.....	1	1880	1	1874	2	Mount Healy.....	Saw Mill.....	do.....	1880	5 00
Scott, Walter.....	2	1880	1	20	Hamilton.....	Celtic.....	do.....	1880	1 00
Sullivan, C. A.....	3	1880	1	Gordon, P.O.....	Transfer.....	do.....	1880	5 00
Sullivan, John W.....	3	1880	1	Windsor.....	Transit.....	do.....	1880	5 00
Smith, James L.....	3	1877	3	1	Collingwood.....	Shop.....	do.....	1880	1 00
Smith, J. H.....	1	1872	3	6	1875	1	Port Colborne.....	W. A. Routh.....	do.....	1880	1 00
Smith, Wm.....	1	1875	3	3	1879	1	Port Dalhousie.....	Jas. Norris.....	do.....	1880	5 00
Smiley, John.....	1	1877	2	2	1877	1	Huntsville.....	Northern.....	do.....	1880	1 00
Swain, Wm. J.....	1	1877	3	1	1877	1	Collingwood.....	City of Winnipeg.....	do.....	1880	5 00

Name	E.	I	1877	3	1	1877	3	1	1877	3	1877	3	1880	5 00
Stevens, James	2	1	1872	2	8	1872	2	8	1872	2	8	1872	2	1 00
Summerville, Francis	3	1	1863	1	18	1863	1	18	1863	1	18	1863	1	1 00
Smith, Thos	3	1	1871	3	7	1871	3	7	1871	3	7	1871	3	5 00
Simons, John	1	1	1869	1	11	1869	1	11	1869	1	11	1869	1	1 00
Sullivan, Wm	2	2	1880	1	1	1880	1	1	1880	1	1	1880	1	5 00
Steen, William	2	2	1879	1	1	1879	1	1	1879	1	1	1879	1	1 00
Smeaton, Alexander	1	1	1874	3	4	1874	3	4	1874	3	4	1874	3	5 00
Simmons, Thos	2	2	1872	3	6	1872	3	6	1872	3	6	1872	3	1 00
Short, Thomas	1	1	1863	3	15	1863	3	15	1863	3	15	1863	3	1 00
Short, Wm. H.	1	1	1876	1	4	1876	1	4	1876	1	4	1876	1	1 00
Short, Alexander	1	1	1876	2	3	1876	2	3	1876	2	3	1876	2	1 00
Short, Uriah	1	1	1880	1	1	1880	1	1	1880	1	1	1880	1	5 00
Sabourin, David	2	2	1872	4	5	1872	4	5	1872	4	5	1872	4	1 00
Scott, Charles	1	1	1871	2	8	1871	2	8	1871	2	8	1871	2	1 00
Segrin, Jean B., jun	2	2	1871	3	7	1871	3	7	1871	3	7	1871	3	5 00
Segrin, Jean B., sen	2	2	1875	1	5	1875	1	5	1875	1	5	1875	1	3 00
St. Michael, Auguste	2	2	1862	1	18	1862	1	18	1862	1	18	1862	1	1 00
St. Michael, Charles	1	1	1871	3	7	1871	3	7	1871	3	7	1871	3	1 00
St. Martin, Felix	1	1	1860	1	20	1860	1	20	1860	1	20	1860	1	1 00
Smith, William	3	3	1873	3	5	1873	3	5	1873	3	5	1873	3	1 00
Stadworthy, Wm	2	2	1877	1	3	1877	1	3	1877	1	3	1877	1	1 00
St. Martin, Narcisse	1	1	1871	2	8	1871	2	8	1871	2	8	1871	2	1 00
Sheriden, Michel	3	3	1871	4	6	1871	4	6	1871	4	6	1871	4	1 00
Spinard, J. Bte	3	3	1867	1	13	1867	1	13	1867	1	13	1867	1	1 00
St. Tarmean, Honore	3	3	1877	1	1	1877	1	1	1877	1	1	1877	1	1 00

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Samson, Ernest	2	1872	5	4	Village Lauzon.....	Pioneer.....	Board.....	1880	1 00
Samson, Alex.....	3	1864	1	16	Lévis.....	Napoleon III.....	do.....	1880	1 00
Steel, William.....	1	1874	1	6	1873	1	New York.....	Canima.....	do.....	1880	1 00
Stewart, Wm. Scott.....	3	1878	2	1	Lachute.....	Miramichi.....	do.....	1880	5 00
Stewart, James.....	1	1878	3	New York	Bermuda.....	do.....	1880	5 00
Samson, Odina.....	3	1880	1	Lévis.....	Express.....	do.....	1880	5 00
Samson, Jean.....	3	1870	4	7	Bienville.....	Beaver.....	do.....	1880	5 00
Scott, William.....	1	1878	2	1	Sydney, C.B.....	Annie.....	do.....	1880	6 00
Seeley, N. A.....	1	1873	1	7	St. George, N.B.....	Fred. Clinch.....	do.....	1880	1 00
Skinner, James.....	2	1879	1	1	Halifax, N.S.....	M. A. Starr.....	do.....	1880	1 00
Stevens, Douglas.....	1	1877	1	3	1876	1	do.....	Delta.....	do.....	1880	1 00
Sweet, James.....	1	1878	3	P. E. Island.....	Jennie B.....	do.....	1880	5 00
Suttie, C. D.....	1	1877	3	1	Yarmouth, N.S.....	Dominion.....	do.....	1880	6 00
Sweeton, Wm.....	1	1869	2	10	Pictou, N.S.....	May Flower.....	do.....	1880	1 00
Smith, S. W.....	1	1872	2	7	Newcastle, N.B.....	New Era.....	do.....	1880	1 00
Smith, D. W.....	1	1880	1	St. John, N.B.....	Alpha.....	do.....	1880	5 00
Baker, Wm. H.....	1	1877	4	Halifax, N.S.....	Goliath.....	do.....	1880	1 00

	1	1874	3	4	1871	3	Winnipeg.....	Wm. Robinson ...	do	1880	1 00
Smith, Jas. Gray.....							Victoria, B.C.....	Pilot	do	1880	5 00
Steel, Wm. Anderson.	1	1876	2	L'ps'd	1879	3	do	Wilson G. Hunt...	do	1880	1 00
Sweeney, Chas. B.....	1	1879	1	1	1878	1	do	Enterprise.....	do	1880	1 00
Stephen, David.....	2	1876	2	2	.....	.....	do	Pilot.....	do	1880	5 00
Suffern, John A.....	2	1880	1	.....	1879	1	Burrard Inlet.....	Lenora.....	do	1880	1 00
Stalker, Hugh.....	.....	1 1876	1	4	.....	.....	Windsor.....	Michigan	do	1880	1 00
Thorp, George.....	.....	1 1874	2	5	.....	.....	do	do	do	1880	5 00
Taylor, William.....	2	1873	4	4	1873	2	Toronto.....	J. H. Doyle.....	do	1880	4 00
Tedman, Eli E.....	.....	1 1872	2	7	1872	2	Collingwood.....	Mary Ann	do	1880	1 00
Thorne, William.....	.....	1 1875	2	4	1874	1	Port Colborne.....	Jane Armstrong...	do	1880	5 00
Thompson, Joseph.....	.....	2 1879	2	.....	.....	.....	Port Colborne.....	Hector.....	do	1880	1 00
Taylor, David.....	.....	2 1878	2	1	.....	.....	Port Dalhousie.....	H. Neelon.....	do	1880	1 00
St. Townsend, Wm.....	3	1861	1	19	.....	.....	St. Catharines.....	Scotia.....	do	1880	1 00
Taylor, Joseph F.....	1	1861	1	19	.....	.....	Owen Sound	Shop	do	1880	5 00
Trotter, Wm. F.....	.....	2 1880	1	.....	.....	.....	Toronto.....	Kincardine.....	do	1880	1 00
Thompson, Wm.....	3	1879	1	1	1877	2	Kingston.....	Francis Smith.....	do	1880	1 00
Therriault, Francis Jun.	.....	1 1877	3	1	.....	.....	Kenntville.....	Gatineau.....	do	1880	5 00
Todd, William.....	.....	3 1880	1	.....	.....	.....	Montreal.....	Swan.....	do	1880	1 00
Tetereau, François.....	3	1870	1	10	.....	.....	Sorel.....	Nil	do	1880	1 00
Trempe, Pierre.....	3	1884	1	16	.....	.....	do	St. Lambert.....	do	1880	1 00
Thibeau, Alexis.....	3	1870	3	8	.....	.....	do	Dredge	do	1880	1 00
Thomson, Andrew.....	2	1873	4	4	.....	.....	Village Bienville.....	.....	do	1880	1 00
Tardif, Napoleon.....	.....	1 1875	3	3	.....	.....	Quebec.....	Nil	do	1880	5 00
Thompson, Hugh F.....	.....	2 1880	1	.....	.....	.....	St. John, N.B.....	Norman	do	1880	5 00
Thom, J. F.....	2	1872	4	5	.....	.....	.....	.....	do	1880	5 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
													\$ cis.
Titus, Charles.....	.....	3	1880	1	.....	.....	.....	.....	Fredericton, N.B.	Forest Queen.....	Board.....	1880	5 00
Tudhope, George.....	1	.....	1873	2	6	.....	.....	.....	Albert, N.B.	Valletta.....	do	1880	6 00
Todoiu, Daniel.....	3	.....	1872	2	7	.....	.....	.....	P. E. Island.....	Heather Belle.....	do	1880	1 00
Turner, James.....	1	.....	1869	1	11	.....	.....	.....	do	St. Lawrence.....	do	1880	1 00
Utter, Wm. C.....	E	1	1880	1	.....	.....	.....	.....	Pictou.....	.....	do	1880	5 00
Vreland, David.....	3	.....	1866	1	14	.....	.....	.....	Point Edward.....	Huron.....	do	1880	1 00
Vanbuskirk, W. H.....	.....	1	1880	1	.....	.....	.....	.....	Yarmouth, N.S.	Nil.....	do	1880	5 00
Wilson, Wm.....	.....	1	1880	1	.....	.....	.....	.....	Hamilton.....	Acadia.....	do	1880	5 00
Wilson, James M.....	.....	3	1879	1	1	.....	.....	.....	Owen Sound.....	Nil.....	do	1880	1 00
Wheeler, Fred E.....	.....	1	1878	2	1	1877	2	.....	Whitby	Niagara.....	do	1880	1 00
Westaway, John.....	2	.....	1865	2	14	.....	.....	.....	Gordon, P. O.....	Transfer.....	do	1880	1 00
Wells, Joseph.....	3	E	1875	5	1	1877	2	.....	Dresden.....	City of Dresden.....	do	1880	5 00
Webster, R. A.....	3	.....	1875	4	2	.....	.....	.....	Florence	D. R. Vanallen	do	1880	5 00
Welch, Wm. M.....	.....	1	1880	1	.....	.....	.....	.....	Windsor.....	Nil.....	do	1880	5 00
West, James.....	3	.....	1875	2	4	1874	2	.....	Gordon.....	Florence.....	do	1880	3 00
Wilson, James.....	.....	3	1880	1	.....	.....	.....	.....	Collingwood.....	Vanderbilt.....	do	1880	5 00
Wilcox, David.....	.....	1	1887	3	11	.....	.....	.....	Port Colborne.....	J. L. McEwards.....	do	1880	00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880 — *Continued.*

Name of Engineer.	Class of Engineer.	Class of Assistant Engineer.	Date of First Board Examination.	Number of Board Examination.	Number of Renewals.	Date of First Local Examination.	Number of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certificate.	Fee.
Walsh, John.....	.....	1	1869	2	10	.....	.....	.....	St. John, N. B.....	Speck.....	Board.....	1880	\$ 1 00
Webb, George.....	.....	2	1878	1	2	.....	.....	.....	Prince Ed. Island..	Prince of Wales..	do.....	1880	1 00
Wiggins, C. M.....	.....	2	1880	1	.....	.....	.....	.....	St. John, N. B.....	Nil.....	do.....	1880	5 00
Warring, Wm. L.....	1	.....	1879	2	.....	1878	1	.....	do.....	Hantbus.....	do.....	1880	5 00
Walker, J. G.....	1	.....	1875	1	5	1874	1	.....	Halifax, N. S.....	Nil.....	do.....	1880	1 00
Wilson, Alex.....	1	.....	1869	1	11	.....	.....	.....	St. John, N. B.....	Admiral.....	do.....	1880	1 00
Waldie, Charles.....	.....	1	1879	2	.....	.....	.....	.....	Halifax, N. S.....	R. Burns.....	do.....	1880	5 00
Wybrant, John.....	3	.....	1880	1	.....	1879	1	.....	Cincinnati, U. S.....	Manitoba.....	do.....	1880	5 00
Young, Francis.....	.....	2	1873	2	6	1872	1	.....	Owen Sound.....	Francis Smith....	do.....	1880	1 00
York, Edward.....	3	.....	1871	1	9	.....	.....	.....	Brockville.....	Shop.....	do.....	1880	1 00
Young, Franklin V.....	.....	1	1880	1	.....	1878	2	.....	Lachine.....	C. M. Riter.....	do.....	1880	5 00
Yale, George.....	.....	2	1880	1	.....	.....	.....	.....	Montreal.....	Nil.....	do.....	1880	5 00

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Annie Craig	6 36	Screw	Wood ...	46-12	31-44	Port Burwell, 1879	Port Rowan and Port Dover, passenger and freight.
Marshall & Murray	4-65	do	do ...	15-80	10 74	Waubushene, 1879	Waubushene and Byng Inlet, yacht.
Jane Miller	18 63	do	do ...	210-10	142-87	Little Current, 1879	Owen Sound and Wiarton and coasting Georgian Bay, passenger and freight.
Ada Alice	3-84	do	do ...	15-43	10-21	Port Dalhousie, 1879	Welland Canal, passenger.
Chicago Belle	26-28	do	do ...	87-54	59-54	Buffalo, 1871	Owen Sound and Wiarton, pass. and freight.
David Scoville	3-12	do	do ...	37-00	25-16	Point Edward	Sarnia and Port Huron ferry.
Enterprise	3-80	do	do ...	17-21	12-52	Port Stanley	River Thames, excursion boat.
Princess Louise	10-32	do	do ...	61-58	38-80	do	do do
Erie Belle	60-00	do	do ...	221-24	111-33	Cleveland, U.S	Windsor and Leamington, passenger and freight.
La Belle	6-39	do	do ...	75-04	57-54	Chatham	Chatham and Detroit, freight barge.
Stanley	25-00	do	do ...	70-02	57-79	Port Stanley	Port Stanley, excursion and towing.
Total, 11 Steamers.....	168-39	.....	.....	857-08	557-94		

W. J. MENEILLEY,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

EAST ONTARIO DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how employed.
John Harris.....	9-19	Screw.....	Wood...	66 77	56-62	Morristown, N Y., 1875.....	Passenger ferry, between Brockville and Morristown.
Princess Louise of Kingston	9-19	do	do	71 80	39-49	Wolfe Island, 1879	Passenger, on River St. Lawrence and Bay of Quinté.
Mary Ethel.....	18-44	Centre-wheel.....	do	98-61	56-13	Trenton, 1 79	Passenger ferry, on Bay of Quinté.
J. H. Whitney.....	1-29	Screw.....	do	3-12	2-12	Augusta, 1879	do on River St. Lawrence.
Edmund.....	9-19	do	do	39-10	22-70	Bedford Mills, 1879	Tug, Rideau Canal and River St. Lawrence.
Deseronto.....	9-19	do	do	55-57	37-79	Mill Point, 1879.....	Passenger, on Bay of Quinté.
Rover.....	1-93	do	do	18-33	12-46	Wolfe Island, 1879	Freight, River St. Lawrence.
Princess Louise, Cornwall..	4-09	do	do	45-32	30-82	Ogdensburg, N. Y., 1879.....	Passenger, Lake St. Francis.
Total, 8 Steamers.....	62-51	.....	.....	398-62	258-13		

JOSEPH TAYLOR,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MONTREAL DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Filgate	75	Side-wheel.....	Iron.....	263	154	Montreal.....	Montreal and Toronto, on excursions.
A. Cantin.....	36	Screw.....	Wood ..	163	101	do	Ottawa to Lake Champlain, freight.
Pipple	8	do	do ...	16	10	Hull.....	About Ottawa on excursions.
Bonito.....	10	do	do ...	17	11	do	do as a tug.
Aylmer	9	do	do ...	26	17	Aylmer.....	Dechene Lake, passengers.
John McDonald.....	4	do	do ...	24	16	Ottawa.....	About Ottawa on excursions.
M. P. Davis	12	do	do ...	11	7	Lachine.....	Lachine Canal, improvements.
Total, 7 Steamers.....	154			520	316		

JOHN BURGESS,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

THREE RIVERS DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Boucherville	8.67	Centre-wheel	Wood	32	24	Charlemagne	Passenger, Boucherville and Long Point.
Mountain Maid	18.71	Side-wheel	do	118	62	Newport	do Newport and Magog.
Newport	1.70	Screw	do	12	8	do	do do do
L'Étoile	38.30	Side-wheel	do	560	316	Sorel	do Quebec and Grondines.
The Valley	4.68	do	do	56	.....	North Hatley	do Hatley and Ash Flats.
Total, 5 Steamers	72.06	.....	.....	778	410	.....	.....

XAVIER BEFORT,
Steamboat Inspector.

STATEMENT of the number of Steam Vessels added to the Dominion, during the Year ended the 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MARITIME PROVINCES.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Zulu.....	15	Tug.....	Wood....	17	10	Miramichi, N.B.....	Screw tug, Miramichi River.
Lorne.....	3	Yacht.....	do ...	6	4	do do	do yacht, do
New City.....	30	Tug.....	do ...	78	53	St. John, N.B.....	do tug, St. John, N.B.
Montague.....	40	Ferry.....	do ...	129	37	Prince Edward Island.....	Paddle ferry, Georgetown, P.E.I.
Florenceville.....	90	Passenger.....	do ...	185	116	Fredericton, N.B.....	Stern wheel, passenger, St. John River.
Forest Queen.....	15	Ferry.....	do ...	115	72	do do	Side wheel, ferry, Fredericton, N.B.
R. H. Lowe.....	25	Tug.....	do ...	27	16	United States.....	Screw tug, Windsor, N.S.
Ina.....	3	Yacht.....	do ...	3	2	Pictou, N.S.....	do yacht, Pictou, N.S.
Bertha.....	10	do	do ...	14	9	Halifax, N.S.....	do do Halifax, N.S.
John Williams.....	3	do	do ...	6	3	St. John, N.B.....	do do St. John, N.B.
Total, 10 steamers.....	234	.....	.....	580	322		

WM. M. SMITH,
Steamboat Inspector.

STATEMENT of the number of Steam Vessels added to the Dominion, during the Year ended the 31st December, 1879; their Class and Horse-power; whether of Wood or Iron, their Gross and Registered Tonnage; where Built, and where and how Employed.

QUEBEC DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Conkon.....	3	Screw propellor. . .	Wood...	6	4	Chicoutimi, 1878	Timber tower in Chicoutimi.
Laurentides	30	Side-wheel.....	do ...	282	165	Lévis, 1879	Passenger, Quebec and Ste. Anne.
Pioneer	51	do	do ...	176	110	Lake St. John	Towing saw-logs on Lake St. John.
Total, 3 Steamers.....	84	.....	.....	474	279		

JOS. SAMSON,
Steamboat Inspector.

STATEMENT of the Number of Vessels added to the Dominion, during the Year ended the 31st December, 1879, their Class and Horse-power; whether of Wood or Iron; their Gross or Registered Tonnage; where Built, and where and how Employed.

BRITISH COLUMBIA DIVISION

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Skidegate.....	5.70	Screw.....	Wood...	37.08	26.44	Victoria, B.C.....	Freight boat, Queen Charlotte Island.
Western Slope.....	86.32	Stern-wheel.....	do...	831.59	725.71	do.....	Passenger and freight, Victoria to Wrangel.
Nellie.....	.68	Screw.....	do...	2.16	1.89	New York.....	Ferry boat, Nanaimo.
Princess Louise.....	3.00	do.....	do...	16.36	13.36	New Westminster.....	Freight boat, New Westminster.
Lady Dufferin.....	10.20	Side-wheel.....	do...	59.73	52.38	Kamloops Lake.....	do Kamloops Lake.
Elevator.....	2.30	do.....	do...	33.58	31.39	Nanaimo.....	do Nanaimo Harbor.
Total, 6 Steamers...	108.20	.....	.....	980.50	851.17		

THOS. WESTGARTH,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where, and how Employed.

MANITOBA DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Manitoba	27 16	Stern-paddle.....	Wood...	308 94	194 61	Fargo, D. T., U. S.....	Passenger & freight, Red River & Tributaries.
Marquette	29 40	do	do ...	354 25	266 47	Morehead, Min., U. S	do do
Minnesota.....	27 16	do	do ...	287 93	181 93	Fargo, D. T., U. S.....	do do
Total, 3 Steamers	83 72	.....	.....	951 17	643 01		

EDWARD R. ABELL,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended the 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

WEST ONTARIO, HURON AND SUPERIOR DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Alexander.....	30-53	Paddle.....	Wood...	85-16	57-91	Sandusky, U.S., 1865.....	Thames River, freight.
A. N. Pike.....	6-36	Screw.....	do ...	34-00	22-00	Chatham, 1874... ..	Thames and Detroit Rivers, freight.
Champion.....	27-84	Paddle.....	do ...	141-69	89-26	Lindsay, 1868.....	Towing on Lindsay Lakes.
Ontario, of Hamilton.....	15-78	Screw.....	do ...	40-00	27-00	Hamilton, 1870.....	do on Sydenham and St. Clair Rivers
P. E. McKerrall.....	18-63	do	do ...	116 00	77 00	Wallaceburg, 1869.....	Coasting, Georgian Bay, freight.
M. J. Mills.....	3-00	do	do ...	15-00	5 00	Cleveland, U.S.....	Coasting, Prince Arthur's Landing, Lake Superior.
Waubuno.....	23-28	Paddle.....	do ...	465-16	293-05	Thorold, 1865.....	Freight and Passenger, Collingwood and Parry Sound.
Total, 7 Steamers.....	125-42	.....	.....	897-01	571-23	.....	.....

W. J. MENEILLEY,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

EAST ONTARIO DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Jenny	4.08	Screw.....	Wood...	10.00	10.00	Alexander Bay, U.S., 1871.	Passenger Steamer on Lake St. Francis.

JOS. TAYLOR,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage, where Built, and where and how Employed.

MONTREAL DIVISION.

Name of Vessel.	Horse Power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Emerald	40	Side-wheel.....	Iron.....	90	56	Aylmer.....	DeChéne Lake, passenger.
Jennie.....	12	Screw.....	Wood...	10	7	United States.....	About Lachine, towing.
Witch of the Wave.....	9	do	do ...	27	18	Kemptrille	DeChéne Lake, passenger.
Total, 3 Steamers...	61	.....	.....	127	81	.....	.....

JOHN BURGESS,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended the 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

THREE RIVERS DIVISION.

Name of Vessel.	Horse-power	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Victoria	59-56	Side Wheel	Wood ...	274	144	Montreal	Tug, Montreal and Chambly.
Ignatius Tyler	73-53	do	do ...	106	21	Rivière du Loup	do Rivière du Loup and Burlington.
Niss	10-14	do	do ...	60	19	Bolton	do Lake Magog.
Richelieu	17-67	do	Iron.....	126	68	Montreal.....	do Buoy and Lights.
Total, 4 Steamers....	160-90	.....	.....	565	252		

XAVIER BEFORT,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion, during the Year ended the 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage, where Built, and where and how Employed.

QUEBEC DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how employed.
Hector	43	Side Wheel.....	Wood ...	97	24	Lévis, 1869	Towing between Quebec and Montreal. Broken up and engine taken out of her.
City of Ottawa.....	27	do	do ...	266	130	Montreal, 1864	Passenger. Quebec and St. Croix. Burned down.
Kate	14	Screw Propeller.....	do ...	24	16	Buffalo, U.S. 1862 ...	Quebec Harbour Tug. Broken up and engine taken out of her.
Etoile	37	Side Wheel.....	do ...	152	96	Point aux Trembles, 1864....	Passenger, Quebec and Grondines. Broken and engine put in new hull.
Providence	30	do	do ...	133	26	Lévis, 1853	Towing, Quebec and Montreal. Broken up and engine put in Str. Laurentides.
Total, 5 Steamers.....	151	.....	.....	672	292		

JOS. SAMSON,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels lost, broken-up, or laid up, as unfit for service, in the Dominion during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how employed or lost.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed or Lcst.
Albert	90	Passenger	Wood ..	174	87	Albert Co., N.B.	Wrecked, Magdalen Island.
Sultan	75	Tug	do ..	50	11	United States.	Sunk in Northumberland Strait.
G. W. Johnston.	150	do	do ..	72	35	Yarmouth, N.S.	Burnt at Farrisborough, N.S.
Tiger	60	do	do ..	105	20	St. John, N.B.	Laid up unfit for use.
Dot'	35	do	do ..	37	9	do	o boiler not in der.
Total 5 Steamers.	410			438	162		

WM. M. SMITH,
Steamboat Inspector

STATEMENT of the Number of Steam Vessels lost, broken up, or laid up, as unfit for service, in the Dominion during the Year ended 31st December, 1879; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Leviathan.....	4-33	Screw	Wood...	28-12	19-33	San Francisco	Fraser River, freight and tug boat.

THOMAS WESTGARTH,
Steamboat Inspector.

MANITOBA DIVISION.

Name of Vessel.	Horse-power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Tonnage.	Where Built.	Where and how Employed.
Keewatin.....	6½	Side-paddle.....	Wood....	25	23	Winnipeg.....	Red River and Tributaries; passengers and freight.

EDWARD R. ABELL,
Steamboat Inspector.

STEAM VESSELS Inspected, for the Year ended 31st December, 1879.
WEST ONTARIO, HURON AND SUPERIOR DIVISIONS.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
City of Dresden.....	Windsor.....	Benson.....	March 28	193	123	7 76	8	March 28	15 76	Passenger steamer, Detroit & Dresden.
Erie Belle.....	do	do	April 17	221	111	8 84	8	April 17	16 84	do Windsor and Leamington.
Eclipse.....	Hamilton.....	Kittson.....	do 26	59	40	2 38	8	May 17	10 38	Excursion steamer, Burlington Bay.
Hiawatha.....	Sarnia.....	Mathewson.....	do 16	162	110	6 48	8	March 20	14 48	Passenger steamer, Dresden and Sarnia
J. C. Clark.....	do	do	do 16	145	98	5 80	8	April 15	13 80	do Wallaceburg do
Manitoba.....	do	do	do 16	979	574	39 20	8	do 16	47 20	do Lake Superior do
Quebec.....	do	do	do 16	1,403	954	56 16	8	do 16	64 16	do do do
Ontario.....	do	do	do 30	1,703	750	53 52	8	do 16	61 52	do do do
Sovereign.....	Windsor.....	Benson.....	do 30	681	425	27 36	8	do 16	35 36	do Lake Superior and Windsor.
Asia.....	do	do	May 30	613	361	24 52	8	do 16	32 52	do do do
Niagara.....	Toronto.....	Smith.....	April 23	347	272	13 92	8	do 23	21 92	Freight propellor, Montreal & Chicago.
Princess of Wales.....	do	do	do 23	113	65	4 56	8	do 23	12 56	Island ferry, Toronto.
Cuba.....	do	do	do 23	496	396	23 08	8	May 2	31 08	Passenger and freight, Toronto and Ogdensburgh.
Harvey Neelon.....	Port Dalhousie.....	Collier.....	do 24	64	47	2 59	5	April 28	7 59	Harbour tug, Port Dalhousie.
Sam Perry.....	do	do	do 24	52	35	1 68	5	do 23	6 68	do do
James Norris.....	do	do	do 24	50	34	1 88	5	do 23	6 88	do do

STEAM VESSELS Inspected for the Year ended 31st December, 1879 - West Ontario, &c., Division--Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
Huron	Point Edward	Mathewson.....	June 18	1,052	688	42 08	8	June 18	50 08	Car ferry, Point Edward and Port Huron.
International	do	do	do 18	850	559	34 04	8	do 18	42 04	do do
Sea Gull.....	do	do	do 18	40	35	2 04	5	do 18	7 04	Passenger ferry, Point Edward and Port Huron.
Great Western	Windsor	Benson	do 10	1,209	744	48 40	8	do 18	56 40	Car ferry, Windsor and Detroit.
Michigan	do	do	do 10	1,463	922	58 56	8	do 18	66 56	do do
Transit.....	do	do	do 11	1,057	719	42 32	8	do 18	50 32	do do
Transfer.....	Amherstburg.....	Anderson	July 15	1,541	971	61 67	8	July 24	69 67	Car ferry between Gordon & Stoney Pt
Hattie Vinton	Silver Islet	Livingston	Aug. 11	55	45	2 21	5	Aug. 8	7 21	Silver Islet Co., steam tender.
Silver Spray.....	do	do	do 28	130	99	5 38	8	do 8	13 32	do do
A. Neff	P. Arthur L'nd'g	Nicholson	do 28	129	74	5 12	8	do 9	13 12	Coasting round Thunder Bay.
Three Friends	do	do	do 28	.....	.....	.....	.....	.....	.....	do do
M. I. Mills.....	do	do	do 28	14	5	0 60	5	do 28	5 60	Ferry, Fort William and Thunder Bay.
Hope	Windsor	Benson	June 11	148	110	7 20	8	June 11	15 20	do Windsor and Detroit.
Stanley	Port Stanley.....	Finlay	April 29	70	57	2 80	5	May 9	7 80	Excursion steamer, Port Stanley.
Messenger.....	Sarnia.....	Mathewson.....	June 18	14	11	0 60	5	June 16	5 60	Towing logs on the St. Clair River.
Henry Smyth.....	do	do	do 17	39	27	2 16	5	do 16	7 16	St. Clair River tug.
David Scoville.....	do	do	do 18	37	25	1 48	5	do 18	6 48	Excursion boat, Sarnia and International Park.

STEAM VESSELS Inspected for the Year ended 31st December, 1879—West Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cis.	\$		\$ cis	
L. Shickluna.....	Toronto.....	Smith.....	April 25	625	393	25 04	5	May 1	30 04	Screw, freight, Montreal and Chicago
City of Montreal.....	Collingwood.....	Watson.....	do	652	409	26 08	8	do 1	34 08	do and passenger, Port Stanley and Cleveland.
City of Winnipeg.....	do	do	do	1,211	823	48 44	8	April 26	56 44	Screw, freight and passenger, Collingwood and Duluth.
Northern Queen.....	do	do	do	619	318	24 76	8	do 26	32 76	Screw, freight and passenger, Georgian Bay Ports.
Northern Belle.....	do	do	do	513	349	20 52	8	do 26	28 52	do
Mary Ann.....	do	do	do	86	57	3 48	5	do 25	8 48	Screw, tug, Georgian Bay Ports.
Magdalena.....	do	do	do	18	12	0 72	5	do 28	5 72	Screw, fishing tug, Killarney.
Ben Millwood.....	do	do	do	10	7	0 44	5	do 28	5 44	Screw, tug, Collingwood and Nattawassaga.
Waubun.....	do	do	do	465	293	18 60	8	May 5	26 60	Paddle, freight and passenger, Collingwood and Farry Sound.
City of Owen Sound.....	Owen Sound.....	Stephens.....	do	898	556	43 72	8	June 20	51 72	Screw, freight and passenger, Collingwood and Duluth.
Wm. Ross.....	do	Smith.....	do	14	9	0 56	5	do 27	5 56	Screw, tug, Owen Sound, dredging.
Prince Alfred.....	do	Stephens.....	do	30	20	1 20	5	May 9	6 20	do and passenger, Owen Sound and Wiarton.
Prussia.....	St. Catharines.....	Collier.....	May 2	710	457	28 40	8	do 1	36 40	Screw, freight and passenger, Chicago and Quebec.
Scotia.....	do	do	do	623	389	24 96	8	April 24	32 96	Screw, freight and passenger, Chicago and Montreal.

STEAM VESSELS Inspected for the Year ended 31st December, 1879—West Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cis.	\$		\$ cis.	
Wales	Collingwood.....	Watson.....	May 8	262	171	10 12	5	May 8	15 12	Screw, tug, Collingwood and Buffalo
S. O. Doby	do	do	do 9	25	17	1 04	5	do 6	6 04	do fishing tug, Wauhaushene and Port Barry.
Chicora	Toronto	Smith	do 9	930	539	37 24	8	do 13	45 24	Paddle, passenger and freight, Toronto, Niagara and Lewiston.
S. S. Edsall	do	do	do 10	150	94	6 00	5	do 10	11 00	Screw, tug, Lake Ontario.
Southern Belle.....	do	do	do 16	427	264	17 12	8	do 20	25 12	Paddle, passenger and freight, Hamilton and Toronto.
Oswego Belle	do	do	do 17	462	378	18 52	8	do 16	26 52	Screw, passenger and freight, Toronto and Oswego.
Rothessy,	do	do	do 17	839	528	33 56	8	do 22	41 56	Paddle, passenger and freight, Toronto, Niagara and Lewiston.
Prince Arthur.....	do	do	do 17	544	343	21 80	8	do 23	29 80	do do Hamilton and Beach and North Shore.
Louis Shickluna	do	do	do 19	15	10	0 64	5	do 19	5 64	Screw, tug, Toronto Harbour, dredging.
City of Toronto.....	Niagara	do	do 21	898	512	35 92	8	June 14	43 92	Paddle, passenger and freight, Toronto, Niagara and Lewiston.
Prowett Beyer.....	Toronto	Collier.....	do 23	10	6	0 40	5	May 21	5 40	Screw, passenger, ferry, Toronto and Island.
Golden City	do	Smith	do 26	35	25	1 40	5	do 28	6 40	do tug, Toronto Harbour.
Alexander.....	Chatham.....	Pennefather	do 27	85	57	3 40	5	do 16	8 40	Paddle, freight, Thames River.

STREAM VESSELS Inspected for the Year ended 31st December, 1879—West Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Mary Beck.....	Waubaushene....	Routledge.....	June 5	15	10	60	5	June 5	5 60	Screw, tug, Penetanguishene Harbour.
Lothair.....	Collingwood.....	Watson.....	do 6	412	280	16 52	5	do 4	21 52	do tug and freight, Chicago and Collingwood.
Vanderbilt.....	do	do	do 6	169	114	6 76	5	do 5	11 76	do do Georgian Bay
Emily May.....	Barrie.....	Smith.....	do 7	362	228	14 48	8	July 18	22 48	Paddle, passenger, Lake Simcoe.
F. B. Maxwell.....	Toronto.....	do	do 9	338	177	13 56	8	June 12	21 56	do do Toronto and Victoria Park.
Samuel Norcross.....	do	do	do 12	22	11	1 05	5	do 12	6 08	Screw, tug, dredging, Toronto Harbour
Isabella.....	Bradford.....	do	do 12	43	29	1 76	5	do 12	6 76	do do Lakes Simcoe and Conchiching.
Mary Ellen.....	Lindsay.....	Browne.....	do 17	81	51	3 24	5	do 11	8 24	Paddle, tug, Lindsay Lakes.
Anglo-Saxon.....	do	do	do 17	47	39	2 76	5	do 12	7 76	do do do
Samson.....	do	do	do 17	129	81	5 18	5	do 15	10 18	do do do
Lady Ida.....	do	do	do 18	27	17	1 10	5	do 18	6 10	do do do
Beaubocage.....	do	do	do 18	129	104	5 16	5	do 15	10 16	do do do
Victoria.....	do	do	do 18	191	120	7 64	5	do 18	12 64	do do do
Coboconk.....	Fenelon Falls...	do	do 18	103	86	4 12	5	do 17	9 12	Paddle, passenger, Fenelon Falls and Coboconk.
Vanderbilt.....	Sturgeon Point..	do	do 19	286	180	11 46	8	do 15	19 46	Paddle, passenger, Lindsay and Bobcaygeon.

STEAM VESSELS inspected for the Year ended 31st December, 1879—West Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Due.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
Marshall & Murray.....	Penetanguishene.....	.....	July 29	15	10	.....	.....	.....	.....	Screw yacht, Georgian Bay.
Jane Miller.....	Collingwood.....	Watson.....	do 30	210	142	8 40	8	July 30	16 40	do freight and passenger, Collingwood and Manitoulin.
America.....	Owen Sound.....	Stephens.....	Aug. 18	555	377	22 20	8	Sept. 4	30 20	do freight and passenger, Ports on Georgian Bay.
Fanny.....	do	do	do 19	4	3	0 20	5	Aug. 27	5 20	do fishing tug, Owen Sound and Fishing Grounds.
Saginaw.....	Windsor.....	Benson.....	do 22	356	242	14 28	8	do 22	22 28	do car ferry, Sarnia and Port Huron.
Niagara	Port Whitby.....	Carson.....	do 26	14	10	0 60	5	do 27	5 60	do tug, Port Whitby Harbour.
J. H. Doyle.....	Toronto.....	Collier.....	Sept. 1	16	10	0 68	5	do 5	5 68	do tug, Toronto Harbour, dredging.
Coral.....	Windsor.....	Benson.....	do 3	118	80	4 76	5	Sept. 3	9 76	do freight, between Lakes Erie and Huron.
Mystic.....	do	do	do 3	59	34	2 40	5	do 3	7 40	do tug do do
Dromedary.....	Hamilton.....	Kittson.....	do 6	460	358	18 43	5	do 6	23 43	do freight, Montreal and Toledo.
Ada Alice.....	Port Dalhousie.....	Collier.....	do 8	15	10	0 60	5	do 9	5 60	do passenger, Welland Canal.
New Era	Port Rowan	Mabee	do 10	19	14	0 76	5	Aug. 14	5 76	do tug, Port Rowan Harbour.
Chicago Belle.....	Owen Sound.....	Stephens.....	do 15	57	59	2 52	5	Sept. 15	8 52	do passenger and freight, Owen Sound and Whitton.

Geo. Lythem.....	Goderich.....	Doyle.....	20	30	40	27	2 08	5 Aug.	8	7 08	do	tug, Goderich Harbour.
W. A. Routh.....	Welland.....	McFarland.....	Oct. 19	51	31	31	2 08	5 Sept.	6	7 08	do	tug, Port Colborne Harbour.
Rescue.....	Collingwood... ..	Watson.....	Nov. 18	20	16	16	0 80	5 Nov.	17	5 80	do	tug, French River Railway Contract.

W. J. MENEILLEY,
Steamboat Inspector.

STEAM VESSELS not inspected in the West Ontario, Huron and Superior Division, for the Year ended 31st December, 1879.

Name of Vessel.	Port of Inspection.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
					\$	\$		\$ cts.	
Georgiana.....	Port Dover.....	Not Inspected.	164	103	4 00	5	Aug 7	9 00	Paddle, passenger, was taken to Penetanguishene and ran a short time.
Minnie Hall.....	Waubaushe.....	do ..	47	28	1 88	5	June 5	6 88	Screw, tug, Midland Mills.
Minnie Morton.....	Believed to be running	do ..	28	18	.....	.....	.....	.....	do Harbour tug.
Minerva.....	Laid up at Port Robinson.....	do ..	27	19	.....	.....	.....	.....	do Canal tug.
Maid of Midland.....	do Coldwater.....	do ..	Not registered	.....	.....	.....	.....	.....	do Harbour tug.
Ada Carter.....	Dredging at Thames River	do ..	25	15	.....	.....	.....	.....	do Canal and dredge tug.
Albert Dymont.....	At Thessalon River Mills.....	do ..	Not registered	.....	.....	.....	.....	.....	do Harbour tug.
Almeda Covell.....	Laid up in Toronto Harbour.....	do ..	9	6	.....	.....	.....	.....	do Dredge tug.
Belle.....	do at Meaford	do ..	7	5	.....	.....	.....	.....	do Fishing tug.
Bouquet.....	do at Toronto.....	do ..	113	67	.....	.....	.....	.....	Paddle, passenger ferry, Toronto Harbour.
Clara.....	do at Barrie.....	do ..	11	7	.....	.....	.....	.....	Screw, passenger, Kemptenfeldt Bay.
Commodore.....	Sunk at Lindsay	do ..	174	109	.....	.....	.....	.....	Paddle, tug, Lindsay waters.
Enterprise.....	Laid up at Port Dalhousie.....	do ..	564	491	.....	.....	.....	.....	Screw, freight, Lake Ontario.
Fairy Queen.....	Run on Manitou Lake, Manitoulin	do ..	10	5	.....	.....	.....	.....	do Fishing tug.
Georgian.....	Laid up at St. Catharines	do ..	448	345	.....	.....	.....	.....	do Freight.

	do	n.....	do	b	s	.....	.....	.....	do	Fishing tug.
Helen.....	do	Port Perry.....	do	80	64	.....	.....	.....	do	Paddle, tug and freight, Lindsay waters.
Ontario, of Fort Hope.....	do	Owen Sound.....	do	11	6	.....	.....	.....	do	Screw, tug.
Tommy Wright.....	do	Fort William.....	do	24	18	.....	.....	.....	do	Dredging.
Lizzie.....	do									

W. J. MENEILLEY,
Steamboat Inspector

STEAM VESSELS Inspected for the Year ended 31st December, 1879.
EAST ONTARIO DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
									\$ cts.	
John Harris.....	Brockville.....	George Easton.....	April 3	66	56	2 68	5	April 1	7 68	Screw, passenger, Brockville and Morristown.
Pierpont.....	Kingston.....	W. R. Mingaye.....	do	251	152	10 08	8	do 8	18 08	Paddle, passenger, between River St. Lawrence and Cape Vincent.
Jessie Hall.....	do	do	do	56	29	2 28	5	do 17	7 26	Screw, tug, St. Lawrence and Lake Ontario.
Hiram A. Calvin.....	Garden Island.....	do	do	299	157	12 00	5	do 21	17 00	Paddle do do
Traveller.....	do	do	do	208	58	8 32	5	do 21	13 32	do do do
Chieftain.....	do	do	do	434	197	17 40	5	do 21	22 40	do do do
John A. Macdonald.....	do	do	do	273	153	10 92	5	do 23	15 92	do do do
Maud.....	Kingston.....	do	do	292	132	11 72	8	do 8	19 72	do Passenger, between Kingston and Cape Vincent.
Hastings.....	do	do	do	638	346	25 52	8	do 24	33 52	do Passenger, Bay of Quinté and River St. Lawrence.
Frank Perew.....	do	do	do	43	23	1 72	5	do 24	6 72	Screw, tug, on River St. Lawrence.
Glide.....	do	do	do	77	37	3 12	5	do 25	8 12	do St. Lawrence and Lake Ontario.
Africa.....	do	do	do	652	403	26 08	8	do 26	36 08	Screw, passenger, Montreal & Chicago.
Norseman.....	Port Hope.....	E. W. J. Burton.....	do	782	493	31 32	8	do 17	39 32	Paddle, do ports on Lake Ontario.
Albert Wright.....	do	do	do	28	21	1 16	5	do 17	6 16	Screw, tug, Port Hope Harbour.

	H. F. Bronson	Kingston	W. R. Mingaye	do	30	137	70	5 48	5	do	25	10 48	do	River St. Lawrence and Lake Ontario.
D. O. West	do	do	do	do	30	59	32	2 40	5	do	30	7 40	do	Screw, passenger, on Rideau Canal.
Algerian	do	do	do	May	1	914	576	36 56	8	do	30	44 56	do	Paddle, passenger, Montreal and Hamilton.
Spartan	do	do	do	do	1	1,169	678	46 76	8	do	30	54 76	do	do do
Alexandra	Pictou	Walter T. Ross	do	do	2	940	549	37 60	8	May	1	45 60	do	On Lake Ontario and Trenton.
Pictou	do	do	do	do	2	801	490	32 04	8	do	1	40 04	do	Ports on Lake Ontario.
Corisican	Kingston	W. R. Mingaye	do	do	2	1,203	711	48 12	8	April	30	56 12	do	Montreal and Hamilton.
Watertown	do	do	do	do	5	266	162	10 68	8	May	5	18 68	do	River St. Lawrence.
Water Lily	do	do	do	do	5	95	53	3 84	5	April	28	8 84	do	Screw, freight, between Rideau Canal and Cape Vincent.
Nile	do	do	do	do	7	96	49	3 84	5	May	7	8 84	do	between Rideau Canal and River.
Active	do	do	do	do	10	345	203	13 81	5	do	6	18 84	do	Screw, tug, between River St. Lawrence and Lake Ontario.
Robert Anglin	do	do	do	do	13	104	57	4 16	5	do	14	9 16	do	Screw, freight, between Rideau Canal and Cape Vincent.
Saxon	do	do	do	do	13	184	118	7 26	5	June	11	12 36	do	between Trenton and Oswego.
Lily	do	do	do	do	13	16	2	0 64	5	May	5	5 64	do	Screw, tug, between Rideau Canal and River St. Lawrence.
Kitty Friel	do	do	do	do	15	84	57	3 40	5	do	15	8 40	do	Screw, freight, between Rideau Canal and River St. Lawrence.
Peerless	do	do	do	do	16	25	14	1 04	5	do	16	6 04	do	Screw, passenger, on Rideau Canal.
McArthur	do	do	do	do	16	169	77	6 76	5	do	15	11 76	do	Screw, tug, between Lake Ontario and St. Lawrence.
Utica	Trenton	Walter T. Ross	do	do	19	49	36	2 08	5	do	20	7 08	do	Screw, passenger, on Bay of Quinté.
City of Belleville	Belleville	Wm. Webster	do	do	20	101	68	4 04	8	do	2	12 04	do	do
Eliza Bonar	do	do	do	do	20	25	12	1 04	5	do	20	6 04	do	Screw, tug

STEAM VESSELS Inspected for the Year ended 31st December, 1879—East Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cis.	\$		\$ cts.	
Empress of India.....	Picton.....	Walter T. Ross.....	May 20	579	335	23 16	8	May 20	31 16	Paddle, passenger, on Lake Ontario.
Armenia.....	do.....	do.....	do 20	109	84	4 36	8	do 20	12 36	Screw, passenger do
Prince Edward.....	Belleville.....	Wm. Webster.....	do 21	97	61	3 88	5	do 9	8 88	Paddle, passenger, between Belleville and Prince Edward.
Peterson's Ferry.....	Peterson's Ferry.....	Walter T. Ross.....	do 21	9	9	0 36	5	do 10	5 36	do on Bay of Quinté.
Pilgrim.....	Mill Point.....	J. Benson.....	do 22	18	15	1 33	5	do 21	6 33	Screw, passenger do
H. B. Sherwood.....	do.....	do.....	do 22	35	21	2 52	5	do 21	7 52	do do
Flight.....	Picton.....	do.....	do 22	37	26	2 59	5	do 6	7 59	do do
Shannon.....	do.....	Walter T. Ross.....	do 22	39	25	1 56	5	April 25	6 56	Paddle, passenger do
Geneva.....	Kingston.....	W. R. Mingaye.....	do 23	96	39	3 88	5	May 23	8 88	Screw, passenger, between ports on St. Lawrence and Cape Vincent.
Princess Louise.....	do.....	do.....	do 23	71	39	2 88	5	do 23	7 88	do between St. Lawrence and Bay of Quinté.
Adventure.....	do.....	do.....	do 30	160	103	6 40	5	do 2	11 40	Screw, freight, on Bay, River St. Lawrence and Rideau Canal.
Annie Gilbert.....	do.....	Wm. Webster.....	June 2	15	12	0 60	5	June 19	5 60	Screw, passenger, Bay of Quinté and Rideau Canal.
Kincardine.....	do.....	do.....	do 5	342	220	15 36	8	May 28	23 36	Screw, passenger, Bay of Quinté and Oswego.
Mary Ethel.....	Rodnerville.....	Walter T. Ross.....	do 10	98	86	2 96	5	July 12	8 96	Paddle, passenger, Bay of Quinté.

Transit	Belleville	Wm. Webster	9	108	68	4 36	8 June	4	12 36	do	do
Emma Munson	Cobourg	Geo. Perry	17	32	13	1 28	5 do	16	6 28	Screw, tug, Lake Ontario.	do
Fairy	Harwood	do	17	23	14	0 92	5 May	30	5 92	Screw, passenger, Rice Lake and Otonabee River.	do
Arlington	do	do	17	33	26	1 32	5 June	5	6 32	do	do
Maggie Sommerville	do	do	17	11	8	0 48	5 May	24	5 48	do	do
Golden Eye	do	J. Stratton	17	61	24	2 48	5 June	16	7 48	Paddle	do
Aln	Peterborough	do	18	35	35	1 40	5 do	18	6 40	do tug	do
Col. Strickland	Lakefield	do	18	57	57	2 32	5 do	17	7 32	do passenger, on Clear and Stony Lakes.	do
Cruiser	do	do	18	31	24	1 24	5 do	2	6 24	Screw	do
Sarah Daly	Trenton	W. R. Mingsaye	20	24	16	1 00	5 do	11	6 00	Screw, tug, Bay of Quinté.	do
Mary Ann	Kingston	Z. Wilson	26	41	31	1 68	5 May	7	6 68	do	do between Kingston and Montreal.
Rose	do	W. R. Mingsaye	5	121	92	4 88	5 do	5	9 88	Screw, freight, Rideau Canal and River St. Lawrence.	do
Magnet	do	do	4	1,029	586	41 16	8 July		49 16	Paddle, passenger, Montreal and Hamilton.	do
Chaffey	Brockville	George Easton	7	42	29	1 72	5 May	8	6 72	Screw, passenger, River St. Lawrence.	do
Ruby	do	do	7	72	44	2 89	5 July	7	7 89	do	do
Victor	do	do	7	1	1	0 08	5 do	7	5 08	do	do
Toiford	do	do	7	3	3	0 16	5 do	7	5 16	do	do
Transit	Prescott	B. D. Jessop	7	140	92	5 60	8 do	7	13 60	do	do
Florence	do	do	7	5	4	0 24	5 do	7	5 24	do	do
Arctic	Morrisburg	H. Carman	8	65	59	2 36	5 do	7	7 36	do	do
Eureka	do	do	8	58	44	1 76	5 do	8	6 76	do	do
R. Kendrick	Corwall	A. V. MacMillan	8	14	12	0 60	5 do	8	5 60	do	do

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STEAM VESSELS Inspected for the Year ended 31st December, 1879—East Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
Lorena.....	Cornwall.....	A. V. MacMillan.....	July 8	8	7	0 32	5	July 8	5 32	Screw, passenger, between ports on River St. Lawrence.
R. S. Sperry.....	do	do	do 9	23	16	0 92	5	do 7	5 92	Screw, passenger, between ports on Lake St. Francis.
J. H. Whitney	Prescott.....	H. D. Jessup.....	do 10	3	2	0 12	5	do 21	5 12	Screw, passenger, between ports on River St. Lawrence.
Lily Nicholson.....	Kingston	George Easton.....	do 15	18	12	0 72	5	do 7	5 72	do do
Elfa.....	do	W. R. Mingaye.....	do 25	108	41	4 32	5	May 23	9 32	Screw, tug, between ports on River St. Lawrence.
Edmund.....	do	do	do 31	39	22	1 56	5	July 17	6 56	Screw, tug, Rideau Canal and River St. Lawrence.
Enterprise.....	Carleton Place.....	Z. Wilson.....	Aug. 5	60	38	2 40	5	do 8	7 40	Paddle, tug, on Mississippi Lake.
Olive.....	Smith's Falls.....	do	do 6	213	123	3 56	5	May 7	8 56	Screw, passenger, Rideau Canal and Ottawa River.
Falcon.....	Brockville.....	George Easton.....	do 6	12	7	0 52	5	Sept. 19	5 52	Screw, passenger, River St. Lawrence.
Elswood.....	Kingston.....	W. R. Mingaye.....	do 8	29	17	1 56	5	Aug. 7	6 56	Screw, tug, Rideau Canal and River St. Lawrence.
Lady Franklin.....	do	do	do 13	32	19	1 32	5	April 19	6 32	Screw, tug, Bay of Quinté and River St. Lawrence.
H. M. Mixer.....	do	do	do 13	21	9	0 84	5	May 31	5 84	do do
Eleanor.....	do	do	do 25	24	7	1 00	5	do 3	6 00	Screw, tug, Rideau Canal.
Dosseronto.....	Mill Point.....	J. Benson.....	do 28	55	31	2 24	5	Aug. 27	7 24	do passenger, Bay of Quinté.

Welsman	Kingston.	Z. Wilson.	Sept.	6	143	85	5 72	5 May	6	10 72	do	freight, Rideau Canal, Ottawa and River St. Lawrence.
City of Kingston	do	W. R. Mingsaye.	do	16	253	175	10 12	8 Sept.	12	18 12	do	Paddle, passenger, Rideau Canal.
Rover	do	do	do	23	18	12	0 72	5 do	12	5 72	do	Screw, freight, River St. Lawrence and Bay of Quinté.
Whistle Wing	Harwood.	J. Stratton.	Oct.	9	87	70	3 52	5 Oct.	8	8 52	do	Paddle, passenger, Rice Lake and Otonabee River.
Princess Louise.	Cornwall.	Jas. B. McMillan	do	24	45	30	1 80	5 do	10	6 80	do	Screw, passenger, Ports on Lake St. Francis.
Isaac Batis	Not running.				239	174					do	Paddle, passenger, Rice Lake and Otonabee River.
Wien	do				71	40					do	Screw, tug, River St. Lawrence.
John Bright	do				30	14					do	Bay of Quinté.
Indian	do				307	162					do	Screw, freight, on the lakes.
Queen	do				87	55					do	Paddle, passenger, River St. Lawrence.
City of Hamilton.	do				224	120					do	tug do
Forest City	do				104	46					do	Paddle, tug, on Rice Lake.
Carlyle	do				128	83					do	Screw, freight, Rideau Canal.
Norman	do				153	96					do	Canal and River.
Grenville	do				21	11					do	Screw, tug, Rideau Canal.
Bay of Quinté	do				283	58					do	Paddle, tug, River St. Lawrence.
Mayflower	do				22	11					do	Screw, passenger, Rideau Canal.
Alert	do				6	1					do	Rice Lake and Otonabee River.
Tiger	do				3	2					do	Clear and S. o. y Lakes.
Crusoe	do				28	15					do	River St. Lawrence.
Clara Louise	do				19	13					do	do

STEAM VESSELS Inspected for the Year ended 31st December, 1879—East Ontario, &c., Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment	Totals.	Remarks.
Cruiser.....	Private yacht....	Inspection not applied for.	.....	55	24	\$ .....	\$ .....	.....	.....	Screw, passenger, River and Gulf of St. Lawrence.
Marquis of Lorne.....	do	do .....	.....	20	10	.....	.....	.....	.....	do River St. Lawrence.

JOSEPH TAYLOR,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1879.

MONTREAL DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.		Inspection Fees.	Date of Payment.	Totals	Remarks.
						\$	cts				
C. Anderson	Valleyfield	W. B. Simpson...	Feb. 19	105	61	4	20	8	Feb. 24	12 20	Screw, ferry, Valleyfield, Coteau Landing.
St. Lambert	Montreal	do	April 21	172	109	6	88	8	May 20	14 88	Centre-wheel, Montreal, St. Lambert.
Hope	Lachine.....	do	do	205	161	12	20	8	do	20 20	Side-wheel, excursion, about Montreal.
Georgiana	Montreal	do	do	53	23	2	12	5	June 11	7 12	Screw, tug, Montreal Harbour.
W. C. Francis	do	do	do	37	13	1	48	5	do	6 48	do
Montarville.....	Longueuil.....	do	do	268	166	10	72	8	May 3	18 72	Side-wheel, ferry, Montreal & Longueuil
L'Assomption.....	do	do	do	366	220	14	64	8	do	22 61	do
Longueuil	do	do	do	317	119	12	68	8	do	20 68	do
St. Peter	Montreal.....	do	May 1	43	29	1	72	5	do	6 72	Screw, tug, Montreal Harbour.
Aurora	Lachine.....	do	do	125	78	5	00	5	June 28	10 00	Side-wheel, tug, Lake of Two Mountains
Grain Elevator, No. 4.....	Montreal.....	do	do	95	.....	3	80	5	May 30	8 80	Elevating grain, Montreal Harbour.
do No. 3.....	do	do	do	95	.....	3	80	5	do	8 80	do
do No. 12.....	do	do	do	100	.....	4	00	5	do	9 00	do
do No. 11.....	do	do	do	100	.....	4	00	5	do	9 00	do
do No. 10.....	do	do	do	100	.....	4	00	5	do	9 00	do
do No. 9.....	do	do	do	100	.....	4	00	5	do	9 00	do

STEAM VESSELS Inspected for the Year ended 31st December, 1879-----Montreal Division---Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
Grain Elevator, No. 6.....	Montreal .	W. B. Simpson.....	May 6	100	.....	4 00	5	May 30	9 00	Elevating grain, Montreal Harbour.
do No. 7.....	do	do	do 6	100	.....	4 00	5	do 30	9 00	do do
do No. 1.....	do	do	do 6	95	.....	3 80	5	do 30	8 80	do do
Fawn	do	Z. Wilson.	do 7	114	56	4 55	5	April 29	9 56	Side-wheel, tug, Lachine & Carillon.
Matilda	do	W. B. Simpson.....	do 8	139	74	5 56	5	May 17	10 56	do do Montreal & Ottawa.
Princess.....	do	do	do 8	579	331	23 16	8	do 15	31 16	do passenger, do & Carillon.
Arctic	do	Z. Wilson.	do 9	85	48	3 40	5	do 1	8 40	Screw, freight, Ottawa and Lake Champlain.
Caroline	do	do	do 10	190	116	7 60	5	do 6	12 60	Screw, freight, Ottawa and Montreal.
A. O. Thayer.....	do	W. B. Simpson.....	do 10	19	12	0 76	5	do 8	5 76	do tug, Canal Improvements.
John Hicken	do	do	do 10	38	26	1 52	5	do 8	6 52	do do do
Philip Becker	do	do	do 10	28	19	1 12	5	do 8	6 12	do do do
G. W. Dennis	do	do	do 10	17	8	0 68	5	do 12	5 63	do do Lachine Canal.
Agnes McMahon	do	Z. Wilson.	do 10	82	47	3 28	5	do 7	8 28	do do Ottawa and Lake Champlain.
Messenger	do	W. B. Simpson.....	do 12	28	18	1 12	5	do 10	6 12	do do Lachine Canal.
St. George	do	do	do 12	40	31	1 96	5	do 10	6 96	do do Ottawa and Lake Champlain.
H. H. Whitney	do	do	do 12	Not measured or registered.	do	.....	.....	do 9	.....	do do On Lake St. Francis.

Mink	do	Z. Wilson	do	12	90	46	3 60	5	do	21	8 60	do	do	Ottawa and Lake Champlain.
St. Francis	do	W. B. Simpson	do	13	803	471	32 12	8	do	10	40 13	do	do	Side-wheel, passenger, Montreal and Cornwall.
Bohemian	do	do	do	13	1,138	690	45 52	8	June	5	53 52	do	do	do
Beauharnois	do	do	do	13	331	178	13 24	8	May	15	21 24	do	do	passenger, Montreal and Beauharnois.
Frigate	do	do	do	14	263	154	10 52	8	do	31	18 52	do	do	pass, excursion steamer.
Plover	do	do	do	14	43	30	1 72	5	June	17	6 72	Screw, tug, Montreal & Lake St. Louis.		
Eureka	do	do	do	14	22	15	0 88	5	do	17	5 88	do	do	do
Valetta	do	do	do	14	655	507	26 20	8	May	15	34 20	do	do	freight, Montreal & Gulf Ports
Tim Doyle	do	do	do	15	20	14	0 80	5	do	14	5 80	do	do	tug, Lachine Canal.
Laprairie	do	do	do	16	523	308	20 92	8	do	17	28 92	do	do	Side-wheel, ferry, Montreal & Laprairie.
C. M. Ritter	do	do	do	19	35	12	1 40	5	do	8	6 40	Screw, tug, Canal Improvements.		
Champion	do	do	do	19	124	88	4 96	5	do	19	9 96	do	do	do Ottawa and Lake Champlain.
Carillon	do	Z. Wilson	do	20	128	61	5 12	5	April	29	10 12	do	do	Side-wheel, tug, Ottawa and Lake Champlain.
Manitoba	do	W. B. Simpson	do	20	355	198	14 20	8	do	22	22 20	do	do	Side-wheel, passenger, Montreal and Carillon.
Grain Elevator, No. 1	do	do	do	21	75	.....	3 00	5	do	23	8 00	Elevating grain, Montreal Harbour.		
Prince of Wales	Lachine	do	do	21	610	344	24 40	8	do	15	32 40	do	do	Side-wheel, passenger, Montreal and Carillon.
William	Montreal	do	do	22	49	31	1 96	5	do	14	6 96	Screw, tug, Montreal and Chambly.		
Zebra	do	do	do	22	30	14	1 20	5	do	14	6 20	do	do	Ottawa.
Como	do	do	do	23	75	47	3 00	5	do	15	8 00	do	do	Side-wheel, passenger. Not employed.
Leslie	Coté St. Paul	H. H. Callier	do	23	11	6	0 44	5	June	19	5 44	Screw, tug, Canal Improvements.		
Grain Elevator, No. 5	Montreal	W. B. Simpson	do	26	95	.....	3 60	5	May	30	8 80	Elevating grain, Montreal Harbour.		

STEAM VESSELS Inspected for the Year ending 31st December, 1879—Montreal & Co., Division—Continued.

Name of Vessel.	Port of Inspection.	Port of Collection.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
									\$ cts.	
Frances	Montreal ..	Z. Wilson.....	May 26	50	30	2 00	5	May 7	7 00	Screw, tug, Ottawa and Lake Champlain.
Port Neuf.....	Lachine	W. B. Simpson...	do 27	218	137	8 72	8	do 31	16 72	Side-wheel, ferry, Lachine and Gaughnawaga.
Louise	Montreal	Z. Wilson.....	do 28	255	140	10 20	5	do 6	15 20	Side-wheel, freight, Montreal and Ottawa.
A. Cantin	do	W. B. Simpson...	do 28	163	101	6 52	5	do 28	11 52	Screw, freight, Ottawa and Lake Champlain.
Rhoda May	do	do	do 30	17	12	0 68	5	do 26	5 68	Screw, ferry, Lancaster and Dantee.
Calumet	do	do	do 30	40	27	1 60	5	June 11	6 60	do tug, Montreal and Sorel.
Grain Elevator, No. 2	do	do	June 2	95	.....	3 80	5	May 30	8 80	Elevating grain, Montreal Harbour.
do No. 8.....	do	do	do 2	132	90	5 28	5	do 30	10 28	do do do
Passport.....	do	do	do 2	1,039	502	41 56	8	June 5	49 56	Side-wheel, passenger, Montreal and Hamilton.
Corinthian.....	do	do	do 2	1,061	614	42 44	8	do 5	50 44	do do do
J. B. A.	do	do	do 6	124	23	4 96	5	do 6	9 96	Side-wheel, tug, Ottawa and Lake Champlain.
British America	do	do	do 6	170	99	6 86	5	do 11	11 80	Side-wheel, tug, Carillon & Lachine.
Milford	do	do	do 7	183	125	7 32	8	do 7	15 32	do do Montreal & Ottawa.
Shickluna	do	Z. Wilson.....	do 7	66	33	2 61	5	May 4	7 61	Screw, tug, Ottawa & Lake Champlain.

Beaver	Longueuil	W. B. Simpson	do	9	405	246	16 20	5	do	3	21 20	Side-wheel, tug, Montreal and Father Point.
Nil Desperandum	Carillon	do	do	17	27	18	1 08	5	June 17	6 08	6 08	Centre-wheel, ferry, Carillon and Point Fortune.
Manxman	Hawkesbury	do	do	18	74	46	2 96	5	do 21	7 96	7 96	do tug, about Hawkesbury.
Cultivateur	L'Original	do	do	18	15	10	0 60	5	July 4	5 60	5 60	do ferry, L'Original & Calumet
Nymph	Hawkesbury	do	do	19	74	43	2 96	5	do 4	7 96	7 96	Side-wheel, ferry, Hawkesbury & Grenville.
Champlain	Ottawa	do	do	19	195	108	7 80	5	June 10	12 80	12 80	do tug, Ottawa & Grenville.
Mac	do	Z. Wilson	do	19	191	112	7 64	5	do 18	12 64	12 64	do do
Rover	do	W. B. Simpson	do	19	202	109	8 08	5	do 10	13 08	13 08	do do
Raftsmen	do	Z. Wilson	do	19	94	52	3 76	5	do 18	8 76	8 76	do ferry, Ottawa & Gatineau Point.
Crusader	Hull	do	do	20	3	2	0 12	5	do 20	5 12	5 12	Screw, passenger, excursion, about Ottawa.
Ripple	do	do	do	20	16	10	0 64	5	Aug. 20	5 04	5 04	do do
Jane	do	do	do	20	110	54	4 40	5	June 20	9 40	9 40	Side-wheel, tug, Ottawa & Grenville.
Spray	Ottawa	do	do	20	42	28	1 68	5	do 20	6 68	6 68	Screw, ferry do Hull.
Swan	do	do	do	20	42	23	1 68	5	May 19	6 69	6 69	do tug do Lake Champlain.
Elie May	do	do	do	20	9	5	0 36	5	July 21	5 36	5 36	do passenger, excursion, about Ottawa.
Maude	do	do	do	21	269	144	10 76	5	do 8	15 76	15 76	Side-wheel, tug, Ottawa & Grenville.
Peerless	do	do	do	21	1,039	571	41 56	8	do 8	49 56	49 56	do passenger do
Queen Victoria	do	do	do	21	23	.....	.....	5	.....	.....	.....	do do
Mayflower	do	do	do	23	.....	15	0 92	5	June 23	5 92	5 92	Screw, passenger, excursion, about Ottawa.
John Heney	do	do	do	23	19	13	0 76	5	May 5	5 76	5 76	Screw, tug, Ottawa and Montreal.
Engineer	do	do	do	23	60	24	2 40	5	April 29	7 40	7 40	do do Grenville.

STREAM VESSELS Inspected for the Year ending 31st December, 1879—Montreal Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
A. H. Baldwin.....	Sand Point.....	Z. Wilson.....	June 24	177	98	7 08	5	7 May	12 08	Screw, tug, Chab Lake.
Alliance.....	do	do	do 24	274	172	10 96	8	do	18 96	Side-wheel, passenger, Chab Lake.
John Egall.....	Pembroke	do	do 24	493	311	19 72	8	do	27 72	do do Pembroke and Joachim.
Empress	Allumette Lake.	do	do 25	188	95	7 52	5	do	12 52	do tug, Allumette Lake.
Sir John Young	Chapeau.....	do	do 25	282	178	11 28	8	do	19 28	do passenger, Bryson and Chapeau.
Pembroke	Pembroke	do	do 25	162	102	6 48	5	do	11 48	do tug, Pembroke and Joachim.
Ripple	do	Joseph Warren...	do 25	14	10	0 56	5	7 July	5 56	Screw, ferry, do Allumette Island.
National	Montreal.....	W. B. Simpson...	July 3	121	76	4 81	8	8 June 30	12 81	Side-wheel, passenger, not employed.
Dagnar.....	do	do	do 4	405	245	16 20	8	8 July 3	24 20	do do do
Joe Mac.....	do	do	do 8	43	29	1 72	5	do 14	6 72	Screw, tug, Montreal and Cornwall.
Canada	do	Z. Wilson.....	do 8	146	68	5 81	5	5 May 2	10 81	Side-wheel, tug, Ottawa and Lake Champlain.
Gatineau.....	do	do	do 8	133	87	5 32	5	5 April 29	10 32	Screw, freight, Montreal and Ottawa.
Express.....	do	W. B. Simpson...	do 9	44	30	1 76	5	5 July 10	6 76	do tug do do
C. J. Brydges.....	do	do	do 23	39	21	1 56	5	do 31	6 53	do do about Montreal.

STEAM VESSELS Inspected for the Year ended 31st December, 1879--Montreal, &c., Division--Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Boston	Côté St. Paul.....	W. B. Simpson.....	Oct. 15	150	72	\$ 6 00	\$ 5	Oct. 22	\$ 11 00	Side-wheel, tug, not employed.
M. P. Davis	Lachine	do ..	do 25	11	7	0 44	5	do 13	5 44	Screw, tug, Lachine Canal Improvements.
Total tonnage inspected.....				22428	12487	.....	.....	.....	.....	.....
Dues not paid on Queen Victoria, not employed.....				652	363	.....	.....	.....	.....	.....
Total tonnage on which dues have been paid.....				21776	12124	871 04	695	.....	1566 01	.....

NOTE.—The H. H. Whitney, or Mollie Clark properly, has never been registered in the Dominion, although running all season with permit after permit from the Department. The sum of \$11.60 was paid into the Custom House by the owner or charterer as a deposit, but not included in the above amount, although the vessel was inspected.

JOHN BURGESS,
Steamboat Inspector.

STEAM VESSELS not inspected in the Montreal Division for the Year ending 31st December, 1879.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues. \$ cts	Inspection Fees.	Date of Payment.	Totals. \$ cts.	Remarks.
Maid of Canada	Not employed....	.....	.....	314	125	Old tonnage.	.....	.....	.....
Beta	Employed for about 2 or 3 weeks..	.....	.....	92	83	.....	.....	.....	.....
Eclair	do but not reported by owners.....	.....	.....	7	1	.....	.....	.....	.....
Julia	do for a short time..	.....	.....	9	6	.....	.....	.....	.....
James Worthington.....	do do	do	.....	31	21	.....	.....	.....	.....
Maggie Bell	Left Ottawa to go to Quebec; now at Three Rivers .....	.....	.....	146	82	.....	.....	.....	.....
Allumette	Not employed .....	.....	.....	22	16	.....	.....	.....	.....
Chain Tug	do .....	.....	.....	136	76	.....	.....	.....	.....
D ndy	do .....	.....	.....	46	15	.....	.....	.....	.....
Wild Goose	do .....	.....	.....	30	20	.....	.....	.....	.....
Valleyfield	do .....	.....	.....	14	9	.....	.....	.....	.....
Wood	do .....	.....	.....	163	89	.....	.....	.....	.....
		Totals .....	.....	1,010	523	.....	.....	.....	.....

JOHN BURGESS,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1879.
THREE RIVERS DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
St. Francis	Sorel	G. Peltier	April 15	55	37	2 20	5	May 8	7 20	Screw, tug, dredge tender.
St. John	do	do	do	55	37	2 20	5	do 8	7 20	do
Delisle	do	do	do	45	17	1 80	5	do 8	6 80	do
Minnie F. Parsons	do	do	do	45	22	1 80	5	do 8	6 80	do
St. Louis	do	do	do	34	23	1 36	5	do 8	6 36	do
John Young	do	do	do	163	103	6 52	8	do 8	14 52	Side-wheel, passenger and tug, buoys and lights.
Sorel	do	do	do	158	89	6 32	8	April 25	14 32	Side-wheel, passenger, Sorel and St. Francis.
Hero	do	do	do	307	177	12 28	8	do 25	20 28	Side-wheel, passenger, Chambly and Montreal.
Terrebonne	do	do	do	601	361	24 04	8	do 25	32 04	Side-wheel, passenger, Terrebonne & Montreal.
Berthier	do	do	do	1,101	671	44 04	8	do 25	52 04	Side-wheel, passenger, Berthier and Montreal.
St. James	do	do	do	91	54	3 64	5	May 8	8 64	Screw, tug, dredge tender.
Chambly	do	do	do	647	394	25 88	8	April 25	33 88	Side-wheel, passenger, Chambly and Montreal.
Trois-Rivières	do	do	do	1,710	1,047	63 40	8	do 25	76 40	Side wheel, passenger, Three Rivers and Montreal.

Montreal	de	do	do	25	2,211	1,279	88 44	8	do	25	96 44	Side-wheel, passenger, Quebec and Montreal.
St. Paul	do	do	do	28	45	27	1 80	5	May	8	6 80	Screw, tug, dredge tender.
Rocket	do	J. Cox	do	28	500	329	23 60	8	April	18	31 60	Side-wheel, passenger and tug, Montreal and Father Point.
L'Assomption	do	G. Peltier	do	29	69	33	2 76	5	do	25	7 76	Centre-wheel, passenger, L'Assomption and Montreal.
Quebec	do	do	do	29	3,068	1,794	122 24	8	do	25	130 24	Side-wheel, passenger, Quebec and Montreal.
Cultivateur	do	do	do	29	694	437	27 76	8	do	25	35 76	Side-wheel, passenger, Three Rivers and Montreal.
John Pratt	do	do	do	May	2	76	2 80	5	May	8	7 80	Screw, tug, dredge tender.
John	do	do	do	do	2	203	8 12	5	do	28	13 12	Side-wheel, tug, Chambly & Montreal.
Star	do	do	do	do	2	386	200	14 64	do	28	22 64	do do do
Albert	do	do	do	do	3	194	7 76	5	May	28	12 76	Side-wheel, tug, Ottawa River.
New York	do	do	do	do	3	311	12 44	8	July	3	20 44	do do Montreal and Quebec.
Vermont	do	do	do	do	3	206	8 24	5	May	28	13 24	do do Ottawa River.
L'Etoile	do	do	do	do	7	560	22 40	8	do	6	30 40	do passenger, Quebec and Grondines.
Canada	do	do	do	do	9	2,009	80 36	8	April	25	88 36	do passenger, Quebec and Montreal.
Mattawan	do	J. Cox	do	10	612	389	24 48	8	May	12	32 48	Screw passenger and freight, Quebec and Chicogo.
Rivière du Loup	do	G. Peltier	do	15	173	97	6 92	8	do	15	14 92	Side-wheel, passenger and freight, Rivière du Loup and Sorel.
Maskinongé	do	do	do	15	51	28	2 04	5	do	15	7 04	Side-wheel, passenger and freight, Maskinongé and Sorel.
John Brown	do	do	do	17	87	59	3 48	5	do	17	8 48	Screw, tug, Dredge Tender.
Abanakis	Pierreville	do	do	19	145	77	5 80	5	do	17	10 80	Centre-wheel, tug, St. Francis and Sorel.

STEAM VESSELS Inspected for the Year ending 31st December, 1879—Three Rivers Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals	Remarks.
						\$ cts.	\$		\$ cts.	
Nipigon	Sorel.....	J. Cox.....	May 20	604	384	24 16	8	July 10	32 16	Screw passenger and freight, Quebec and Chicago.
Fire Fly	do	G. Peltier.....	do 26	214	129	8 56	8	May 27	16 56	Side-wheel, passenger and freight, Sorel and Berthier.
Marie.....	do	do	do 31	30	21	1 20	5	do 31	6 20	Screw, tug, Three Rivers and Chambly.
Enterprise.....	Sherbrooke.....	do	June 17	38	24	1 52	5	Aug. 16	6 52	Side-wheel, passenger, Sherbrooke and Lennoxville.
The Valley.....	North Hatley	do	do 17	56	.....	2 24	5	do 15	7 24	do passenger, Hatley and Aptsis.
Laval	Three Rivers.....	do	do 25	90	66	3 60	5	June 25	8 60	do passenger, Three Rivers and St. Grégoire.
Arthur.....	St. Maurice .....	.....	do 26	33	22	1 32	5	do 26	6 32	do tug, St. Maurice River.
Bourgeois	St. Angèles. . .	G. Peltier.....	do 27	171	99	6 84	8	do 27	14 84	do passenger, Three Rivers and St. Angèle.
Lucie.....	Nicolet.....	do	July 31	24	16	1 00	5	July 3	6 00	Centre-wheel, tug, Nicolet River.
St. Léon.	Rivière du Loup.	do	do 31	25	17	1 00	5	do 31	6 00	do passenger, Rivière du Loup and Sorel.
Charlemagne.....	Charlemagne.....	do	Aug. 5	15	11	0 60	5	Aug. 4	5 60	do tug, Charlemagne and Sorel.
Boucherville.....	do	J. Cox.....	do 5	36	24	1 44	5	do 7	6 44	do passenger, Boucherville and Long Point.
Lady of the Lake	Magog.	C. Chennel.....	do 20	607	309	24 28	8	do 19	32 28	Side-wheel, passenger, Lake Magog.

STREAM VESSELS Inspected for the Year ended 31st December, 1879.

QUEBEC DIVISION.

Name of Vessel	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Beaver.....	Indian Cove, Lévis.	J.W. Dunscomb, Quebec	April 10	146	100	\$ 5 84	\$ 8	April 16	\$ 13 84	Screw, passenger and freight, Quebec and Campbelltown, N.B.
Champion No. 1.....	Lévis.....	do	do 23	185	90	7 40	5	do 23	12 40	Screw, tug, Montreal and Gulf.
Champion No. 2.....	do	do	May 3	323	81	12 92	5	do 23	17 92	Side-wheel, tug do
Miramichi.....	Quebec.....	do	April 30	727	491	29 08	8	May 5	37 08	do passenger, Montreal and Pictou, N.S.
South.....	Lévis.....	do	May 6	265	161	10 20	8	do 8	18 20	do ferry, Quebec and Lévis.
St. George.....	Hall's Boom, Q.....	do	do 9	203	128	8 12	8	do 8	16 12	do do do
Prince Edouard.....	Lévis.....	do	do 11	162	112	6 48	8	do 8	14 48	Screw, winter ferry do
Arctic.....	do	do	do 6	183	104	6 12	8	do 8	14 12	do do
North.....	Hall's Boom, Q.....	do	do 6	379	239	15 16	8	do 8	23 16	Side-wheel, ferry do
James.....	Quebec.....	do	do 12	127	31	5 08	8	do 13	13 08	do Quebec and New Liverpool.
St. Antoine.....	do	do	do 13	159	100	6 36	8	do 20	14 36	Side-wheel, passenger, St. Antoine and Quebec.
City of St. John.....	Lévis.....	do	do 20	709	518	28 36	8	do 21	36 36	Side-wheel, passenger, Gaspé and Campbelltown, N.B.
City of Ottawa.....	Quebec.....	do	do 27	266	130	10 64	8	do 31	18 64	Side-wheel, passenger, St. Croix and Quebec.
Flores.....	do	do	June 5	50	25	2 00	5	June 7	7 00	Screw, Quebec Harbour tug.

	do	...	do	4	182	59	7 28	5	do	7	12 28	
Rhoda	do	...	do	6	59	20	2 36	5	do	14	7 36	Side-wheel, tug, Montreal and Bic.
Rembler	do	...	do	8	24	16	0 96	5	do	14	5 96	Screw, tug, Quebec Harbour.
Kate	do	...	do	23	200	112	8 00	8	do	14	16 00	do
Montmagny	do	...	do	15	119	75	4 76	8	do	18	12 76	Side-wheel, passenger, Berthier and Quebec.
Maid of Orleans	do	...	do	21	170	78	6 80	8	July	8	14 80	Side-wheel, ferry, Quebec and Island of Orleans.
Berthier	do	...	do	10	292	165	11 68	8	do	8	19 68	Side-wheel, ferry, Quebec and New Liverpool.
Laurentides	do	...	do	14	15	7	0 60	5	Aug	9	5 60	Side-wheel, passenger, St. Ann and Quebec.
Hope	do	...	do	8	153	97	6 12	5	July	8	11 12	Screw, tug, Quebec Harbour.
Anglesea	do	...	do	9	49	36	1 96	5	do	10	6 96	Side-wheel, tug, Montreal and Brandy Pots.
Thos. H. Nashmith	do	...	do	11	37	24	1 48	5	do	11	6 48	Screw, Quebec Harbour tug.
O. W. Jones	do	...	do	16	32	19	1 28	5	do	17	6 28	do
Aurelia	do	...	do	5	125	36	5 00	8	do	26	13 00	do
Rival	do	...	do	14	13	7	9 62	5	do	29	5 52	Side-wheel, passenger, Quebec and St. Ann.
Fairy	do	...	do	2	269	41	10 76	5	do	29	15 76	Screw, Quebec Harbour tug.
Margaret M.	do	...	do	5	67	36	2 68	5	do	29	7 68	Screw tug, Montreal and Gulf.
Margaret	do	...	do	14	81	36	3 24	5	do	29	8 24	Screw, Quebec Harbour tug.
Dauntless	do	...	do	19	5	3	0 20	5	do	30	5 20	Screw tug, Montreal and Quebec.
Lady Dufferin	do	...	do	10	141	89	5 64	8	Aug.	2	13 64	Screw, Quebec Harbour tug.
Tiger	do	...	do	10	141	89	5 64	8	Aug.	2	13 64	Side-wheel, passenger, Quebec and Lotbinière.

STEAM VESSELS Inspected for the Year ended 31st December, 1879—Quebec Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues. \$ cts.	Inspection Fees.	Date of Payment.	Totals. \$ cts.	Remarks.
Sensation	Lampson's boom Quebec.	J. W. Dunscumb, Quebec.	Sept. 8	15	4	0 60	5	Sept. 8	5 60	Screw, Quebec Harbour tug.
Express.....	Quebec.....	do	May 14	100	62	4 00	8	do	12 00	Side-wheel, passenger, Quebec and St. Nicholas.
Conqueror, No. 2.	Hall's boom, Quebec.	do	Sept. 4	233	25	9 32	5	do	14 32	Side-wheel, tug, Montreal and Gulf.
Merrimac.....	Quebec.	do	Aug. 25	86	26	3 44	5	do	8 44	Screw, Quebec Harbour tug.
Margaretha Stevenson...	do	do	July 3	113	66	4 52	8	do	12 52	do passenger, Quebec and Moisie.
Rupert.....	Dining boom, Quebec.	do	April 25	250	76	10 00	5	do	15 00	Side-wheel, tug, Montreal and Bic.
Resolute.....	do	do	do	139	40	5 56	5	do	10 56	Screw do do
Reindeer.....	do	do	do	127	64	5 08	5	do	10 08	do do do
Rover.....	do	do	May 15	42	28	1 68	5	do	6 68	do Quebec Harbour tug.
L. N. G.....	Lampson's boom Quebec.	do	do	11	7	0 44	5	do	5 44	do do do
Activity.....	Lévis.....	do	do	15	6	0 60	5	do	5 60	do do do
Robert Stoker	Lampson's Boom, Quebec.	do	do	14	2	0 56	5	Oct. 1	5 56	do do do
William.....	Quebec.....	do	Oct. 7	276	86	11 04	8	do	19 04	Side-wheel, tug and passenger, Quebec and St. Croix.
Maud.....	do	do	do	54	34	2 16	5	do	7 16	Side-wheel, tug, Montreal and Quebec.

STEAM VESSELS Inspected for the Year ended 31st December, 1879—Quebec Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Due.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts	\$		\$ cts.	
Challenger.....	Lévis.....	J. W. Dunscomb, Quebec.	.....	67	36	.....	.....	.....	.....	Screw, tug, Quebec Harbour.
Royal.....	Quebec.....	do	May 9	261	90	.....	.....	.....	.....	Side-wheel, tug, Montreal and Quebec.
Albion.....	.....	do	.....	171	108	.....	.....	.....	.....	do do
Bienvenu.....	Quebec.....	do	May 23	618	374	.....	.....	.....	.....	do passenger, Quebec and St. Jean Deschaillon.
Boston.....	do	do	July 23	177	33	.....	.....	.....	.....	do tug, Montreal and Quebec.
Shannon.....	.....	do	June 16	64	29	.....	.....	.....	.....	Screw, Quebec Harbor tug.
Contest.....	Lampson's Boom, Quebec.	do	Sept. 1	231	90	.....	.....	.....	.....	Side-wheel, tug, Montreal and Gulf.
St. Lawrence.....	Quebec.....	do	May 26	869	459	.....	.....	.....	.....	do passenger, Quebec and Chicoutimi.
Saguennay.....	do	do	June 30	1,077	654	.....	.....	.....	.....	do do
Eclipse.....	do	do	.....	216	33	.....	.....	.....	.....	do tug, Quebec & Montreal.
Gatineau.....	do	do	do 14	175	79	.....	.....	.....	.....	do do
Clyde.....	do	do	May 27	237	149	.....	.....	.....	.....	do passenger, Quebec and Kamouraska.
Helen.....	.....	do	.....	135	85	.....	.....	.....	.....	do tug, Montreal and Quebec
Mersey.....	Quebec.....	do	June 17	60	34	.....	.....	.....	.....	Screw, Quebec Harbor tug.
Progress.....	Lampson's Boom, Quebec.	do	Sept. 3	680	267	.....	.....	.....	.....	do tug, Montreal and Gulf.

Powerful	Lumpson's Boom Quebec	May 26	199	125	Side-wheel, tug, Montreal and Brandy Pots.
Ranger	do	do 26	241	152	do do
Canada	Not inspected; been laid up all summer		144	19	Side-wheel, tug, Montreal and Quebec.
St. Charles	do		117	74	do do
Scotchman	do		89	56	do do
Hero	do		209	131	do do
St. Andrew	do		218	137	do do
Almanda	Lévis	J. W. Dunscomb, April 20	11	3	Screw, tug, Quebec Harbour.
Bee	Not inspected; been laid up all summer		61	32	Side-wheel, tug, Montreal and Quebec.
Conqueror No. 1	do		199	15	do Montreal and Gulf.
Hercules	do		200	125	do Montreal and Brandy Pots.
Hector	do		97	24	do Montreal and Quebec.
Humber	do		13	3	Screw, tug, Quebec Harbour.
L. A. Sénécal	do		69	32	do do
Norwegian	do		131	40	do Montreal and Bic.
Union	do		687	432	Side-wheel, passenger, Quebec and Chicoutimi.
Secret	do		466	293	Side-wheel, passenger, Montreal and Pictou, N.S.
Lucinda	do		42	21	Centre-wheel, tug, Montreal & Quebec.

JOSEPH SAMSON,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1879.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
New City	St. John, N.B.	J. R. Ruel	Jan. 29	78	53	3 12	5	Jan. 30	8 12	Screw, tug, St. John, N.B.
Victor	do	do	Feb. 13	29	8	1 16	5	Feb. 10	6 16	do
Onangondy	do	do	do 18	264	98	11 78	8	do 18	19 76	Harbour Ferry.
Dominion	Yarmonth, N.S.	H. A. Hood	March 14	574	390	22 96	8	March 20	30 96	Coastwise, to Boston, U.S.
St. George	St. John, N.B.	J. R. Ruel	do 17	37	18	1 48	5	do 14	6 48	Screw, tug, St. John, N.B.
St. John	do	do	do 19	47	32	1 88	5	do 10	6 88	do
Norman	do	do	do 25	46	12	1 84	5	do 25	6 84	do
Xanthus	do	do	do 29	64	23	2 56	5	do 29	7 56	do
Richard Doane	do	do	April 2	70	47	2 80	5	do 28	7 80	do
Newfield	Dominion Steamer.									
Goliath	Halifax, N.S.	Wm Ross	do 4	92	65	3 68	5	April 5	8 68	Screw, tug, Halifax, N.S.
Henry Hoover	do	do	do 4	43	23	1 72	5	do 5	6 72	do
Derigo	St. John, N.B.	J. R. Ruel	do 8	57	21	2 28	5	March 7	7 28	do St. John, N.B.
Gladiator	do	do	do 12	70	36	2 80	5	April 8	7 80	do Coastwise, Dominion.
Admiral	do	do	do 9	158	99	6 32	5	do 28	11 32	Paddle, tug, St. John, N.B.
Ada G.	do	do	do 9	102	30	4 08	5	do 28	9 08	do
Lincoln	do	do	do 10	87	32	3 48	5	do 28	8 48	do

STEAM VESSELS Inspected for the Year ending 31st December, 1879—Maritime Provinces Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.		Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$	cts.				
Albert	Picton, N.S.	D. McDonald.....	May 26	174	87	6 96	8	8	Nov. 26	14 96	Screw, passenger, Sea-going.
Daisy	do	do	do 26	10	7	0 40	5	5	do 26	5 40	do tug, Pictou Harbour.
Heather Belle	Charlottetown, P.E.I.	D. Currie.....	do 27	184	95	7 40	8	8	May 28	15 40	Paddle, passenger, Coaswise, P.E.I.
Southport	do	do	do 27	239	186	9 60	8	8	do 27	17 60	do Harbour Ferry, Charlottetown, P.E.I.
Henry Aikins.....	do	do	do 27	38	26	1 52	5	5	do 27	6 52	Screw, tug, Charlottetown, P.E.I.
Elfin.....	do	do	do 28	122	34	4 88	8	8	do 28	12 88	Paddle, ferry do
Montague	Georgetown, P.E.I.	C. Owen.....	June 2	129	37	5 16	8	8	June 28	13 16	do Georgetown Harbour.
Princess of Wales	Charlottetown, P.E.I.	D. Currie.....	May 28	935	685	37 40	8	8	May 28	45 40	Paddle, passenger, between Nova Scotia, New Brunswick and Prince Edward Island.
St. Lawrence.....	Summerside, P.E.I.	do	do 29	845	675	33 80	8	8	do 28	41 80	do do
Jennie B.	do	C. W. Strong....	do 29	20	11	0 80	5	5	do 7	5 80	Paddle, ferry and tug, Summerside, P.E.I.
Andover.....	Newcastle, N.B.	R. B. Haddow....	June 4	185	139	7 40	8	8	June 6	15 40	Stern-wheel, Miramichi River.
New Era	do	do	do 4	54	43	2 16	5	5	do 6	7 16	Paddle, ferry do
Zulu	Chatham, N.B.	D. Ferguson	do 5	17	10	0 72	5	5	do 6	5 72	do tug do
Teaser	do	do	do 5	42	24	1 72	5	5	do 5	6 72	do ferry do

Lorne	Derby, N.B.	R. B. Haddow	do	5	6	4	0 24	5	do	7	5 24	Screw, yacht	do
Grip	do	do	do	6	3	3	0 12	5	do	6	5 12	do	do
Derby	Newcastle, N.B.	do	do	6	11	8	0 44	5	do	6	5 44	Paddle, yacht	do
Sultan	Chatham, N.B.	D. Ferguson	do	6	50	15	2 00	5	do	6	7 00	Screw, tug, Miramichi River and Bay.	do
Lady Dufferin	Newcastle, N.B.	R. B. Haddow	do	7	47	28	1 88	5	do	7	6 88	Paddle, ferry	do
Relief	Chatham, N.B.	D. Ferguson	do	7	76	16	3 04	5	do		8 04	Screw, tug	do and Bay.
East Riding	Dalhousie, N.B.	W. Montgomery	do	9	85	45	3 40	5	do	9	8 40	Paddle, tug, Restigouche River.	do
Gipsy	Bathurst, N.B.	Wm. J. O'Brien	do	10	53	22	2 12	5	do	10	7 12	do	Bathurst Bay.
Laddie	Chatham, N.B.	D. Ferguson	do	11	42	28	1 68	5	do	10	6 68	Screw, tug, Miramichi River and Bay.	do
Alpha	Yarmouth, N.S.	H. A. Hood	do	14	222	149	8 92	5	do	16	13 92	do	and freight, Sea-going.
Alida	do	do	do	16	64	29	2 56	5	do	16	7 56	Screw, passenger, Harbour and Bay.	do
May Queen	Halifax, N.S.	W. Ross	do	19	142	89	5 68	8	do	17	13 68	Ferry and tug, Halifax, N.S.	do
Carrie	do	do	do	20	5	2	0 24	5	do	16	5 24	Screw, yacht	do
Robt. Burns	do	do	do	20	89	81	3 56	5	do	21	8 56	do	ballast boat
St. Patrick	St. John, N.B.	J. R. Ruel	do	24	52	13	2 08	5	do	24	7 08	do	tug, St. John Harbour and Bay.
J. C. Vail	do	do	do	30	28	14	1 12	5	July	3	6 12	Paddle, ferry, Gondola Point.	do
Speck	do	do	July	26	36	7	1 44	5	do	26	6 44	Screw, tug, St. John, N.B.	do
Bertha	Halifax, N.S.	Wm. Ross	do	23	14	9	0 56	5	do	23	5 56	do	yacht, Halifax, N.S.
Earl Dufferin	St. John, N.B.	Townsend	do	28	170	92	6 80	8	do	30	14 80	do	passenger, Minas Basin, N.S.
Robt. H. Lowe	Windsor, N.S.	E. O'Brien	do	29	27	16	1 12	5	do	29	6 12	do	tug, Windsor River, N.S.
Effort	St. John, N.B.	J. R. Ruel	Ang.	2	23	15	0 92	5	Aug.	2	5 92	do	yacht, St. John River.
Western Extension	do	do	do	6	421	196	16 96	8	do	2	24 96	Paddle, St. John Harbour ferry.	do
N-ptune	Sydney, C.B.	E. Leonard	do	12	138	66	5 52	8	do	15	13 52	do	passenger, Bras d'Or Lake, C.B.
Lady of the Lake	do	A. G. Hamilton	do	12	61	32	2 44	5	do	13	7 44	do	ferry, Sydney Harbour, C.B.
Annie	do	do	do	12	13	9	0 52	5	do	16	5 52	Screw, yacht	do

STEAM VESSELS Inspected for the Year ended 31st December, 1879 — Maritime Provinces Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						\$ cts.	\$		\$ cts.	
Unicorn.....	Sydney, C.B.....	A. G. Hamilton.....	Aug. 13	46	20	1 84	5	Aug. 14	6 84	Screw, tug, Sydney Harbour, C. B.
D. P. Ingraham....	Cow Bay, C.B....	Wm. Bown.....	do 14	140	84	5 60	5	Sept. 29	10 60	do do Cow Bay, C. B.
C. M. Gates.....	Glace Bay, C.B..	C. H. Rigby.....	do 14	58	46	3 48	5	Aug. 15	8 48	do do Glace Bay, C. B.
L. Boyer.....	Caledonia, C.B..	D. McKeen.....	do 14	56	49	2 24	5	do 16	7 24	do do Caledonia Bay, C. B.
Dolphin.....	Lingan, C. B.	R. Laffin.....	do 22	72	45	2 88	5	July 24	7 88	Paddle, tug, Lingan Bay, C. B.
Richmond.....	Arichat, C.B.....	J. Flynn.....	do 18	44	33	1 78	5	Aug. 12	6 78	do ferry, Lennox Passage, C. B.
Dragon.....	Pictou, N.S.....	D. McDonald.....	do 19	136	38	5 44	5	May 23	10 44	do tug, sea-going.
Alpha.....	do	do	do 20	36	25	1 44	5	do 25	6 44	Screw, tug, Pictou Harbour.
Ina.....	do	do	do 20	3	2	0 16	5	Aug. 25	5 16	do ferry do
Tiger.....	do	do	do 20	60	28	2 40	5	May 23	7 40	do tug, Sea-going.
Mayflower.....	do	Dominion Steamer.....	.....	.....	.....	.....	.....	.....	.....	Railway ferry, Pictou, N. S.
Winnie.....	Charlottetown, P. E. I.	.....	Aug. 22	12	9	0 68	5	Nov. 27	5 68	Screw, tug, Crapaud Harbour.
Fred Clinch.....	Musquash, N.B....	J. R. Ruel.....	do 29	13	3	0 52	5	June 11	5 52	do do Musquash do
John William.....	St. John, N.B....	do	Sept. 2	6	3	0 24	5	Aug. 22	5 24	do yacht, St. John River.
M. A. Starr.....	Halifax, N.S.....	Wm. Ross.....	do 8	244	166	9 76	8	Sept. 9	17 76	do passenger, Coastwise, N. S.
Edgar Stuart.....	do	do	do 9	246	183	9 84	8	do 9	17 84	do do do do
Lion.....	Wallace, N.S.....	Wm. Macnab.....	do 26	10	4	0 40	5	do 27	5 40	do tug, Wallace Harbour.

STEAM VESSELS Inspected for the Year ended 31st December, 1879.

BRITISH COLUMBIA DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection.	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Maude	Victoria, B.C.....	Wymond Hamley	Jan. 16	213	156	\$ 8 66	\$ 8	20 Jan.	\$ cts. 18 66	Passenger and freight, Victoria to Nanaimo.
Grappler	do	do	Feb. 22	185	128	7 44	8	27 Feb.	15 44	Passenger and freight, Victoria to Wrangle.
Etta White.....	do	do	March 8	97	82	3 92	5	11 March	8 92	Tug boat.
Enterprise.	do	do	do 28	380	302	15 24	8	31 do	23 24	Passenger and freight, Victoria to New Westminster.
Gertrude	do	do	April 23	301	178	12 08	8	24 April	20 08	Passenger and freight, Shiokeen River.
Skidegate.	do	do	do 28	37	26	1 48	5	28 do	6 48	Freight boat.
Wilson G. Hunt	do	do	do 28	467	350	18 72	8	1 May	26 72	Passenger and freight, Victoria to New Westminster.
Western Slope	do	do	May 17	831	725	33 28	8	23 do	41 28	Passenger and freight, Victoria to Wrangle.
Cariboo Fly	do	do	do 22	301	231	12 08	8	26 do	20 08	Passenger and freight, Victoria to Nanaimo.
Emma	do	do	do 23	35	25	1 40	5	30 do	6 40	Tug boat.
Flyack	Nanaimo	T. Peck	June 3	33	31	1 36	5	5 June	6 36	Freight boat.
Nellie	do	do	do 3	2	1	0 08	5	5 do	5 08	Ferry boat, Nanaimo.
Alexander	Victoria, B.C.....	Wymond Hamley	do 9	331	191	13 28	8	11 do	21 28	Tug boat.
Princess Louise	New Westminster.....	John S. Clute.....	do 10	16	13	0 66	5	16 do	5 66	Freight boat.

STEAM VESSELS not Inspected for the Year ended 31st December, 1879—British Columbia Division.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage	Tonnage Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Marten.....	Kamloops	Wymond Hamley .....	.....	375	282	\$ cts. ....	\$ .....	.....	\$ cts.	Laid up at Kamloops.
Elevator.....	Nanaimo.....	T. Peck .....	.....	33	31	.....	.....	.....	.....	New freight boat for Nanaimo Harbour.

THOS. WESTGARTH,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1879---Continued.

MANITOBA DIVISION.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Tonnage.	Tonnage Dues.	Inspection Fees.	Date of Payment.		Totals.	Remarks.
								\$	cts.		
Manitoba.....	Winnipeg	Geo. B. Spencer.	April 23	308	194	12 35	5	April 24	17 35	17 35	Stern-paddle, passenger and freight, Red River and tributaries.
Alpha.....	do	do	do 24	180	113	7 22	5	do 25	12 22	12 22	do
Adelaide.....	do	do	do 24	84	76	3 36	5	do 30	8 36	8 36	Side-paddle, ferry, City of Winnipeg and St. Boniface.
Lady Ellen.....	Lower Fort Garry	do	do 25	18	12	0 74	5	May 1	5 74	5 74	Screw, freight and tug, Red River and Lake Winnipeg.
St. Marquette	Winnipeg	do	do 29	354	266	14 17	5	do 1	19 17	19 17	Stern-paddle, passenger and freight, Red River and tributaries.
Minnesota.....	do	do	do 30	287	181	11 52	5	do 1	16 52	16 52	do
Swallow	do	do	May 13	38	33	1 52	5	do 13	6 52	6 52	Stern-paddle, freight and tug, Red River and tributaries.
Victoria.....	Lower Fort Garry	do	do 22	22	15	0 91	5	do 31	5 91	5 91	Screw, freight and tug, Red River and Lake Winnipeg.
Cheyenne.....	do	do	June 2	135	85	5 43	5	June 2	10 43	10 43	Side-paddle, passenger and freight, Red River and tributaries.
Colville.....	do	do	do 4	164	134	6 56	5	April 30	11 56	11 56	win-screw, freight, Lake Winnipeg.
Northcote	Grand Rapids ...	do	do 24	461	290	18 44	5	do 30	23 44	23 44	Stern-paddle, freight, Saskatchewan River, N.W.T.
Wm. Robinson.....	Lower Fort Garry	do	Oct. 1	110	74	4 40	5	June 5	9 40	9 40	Twin-screw, tug, Red River and Winnipeg River.

EDWARD R. ABELL,
Steamboat Inspector.

APPENDIX No. 3.

STATEMENT of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels in Canadian waters, and to Canadian Sea-going Vessels in other waters, from 1st January, 1879, to 31st December, 1879.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Jan. 1	Annie Brown..	6	Windsor, N.S.	Schooner.....	132	Cornwallis, N.S., to New York.	Mussel Ledge, Me., U.S.	Stranded.....	Stress of weather.	.....	Partial..	\$ 300
do 14	Alert.....	8	Digby, N.S.	do ..	157	Barbadoes to Digby, N.S.	Lat. 40° N, Lon. 60 W.	Abandoned at sea.	do ..	.....	Total....	4,000
do 9	Alice Cooper..	6	Windsor, N.S.	Barque.....	854	Dublin to Baltimore.	Lat. 47° 53' N, Lon. 12° 48' W.	Damaged at sea.	do ..	1	Partial..	1,000
Feb. 9	Alpheus Marshall.	6	Digby, N.S.	do ..	822	New York to London	Atherfield Ledge, Isle of Wight, G B	Stranded.....	Error of judgment.	1	Total....	37,000 cargo
Jan. 5	A. Seaman.....	4	Chatham, N.B.	Schooner.....	77	Halifax, N.S., to Providence, R.I.	Lat. 40° N, Lon. 68° 30' W.	Foundered....	.....	.....	do ..	1,800 cargo
do 7	Anna A. Rich.	7	Pictou, N.S.	Barque.....	581	Baltimore to Traler Island.	Atlantic Ocean.....	Vessel disabled.	Stress of weather.	.....	Partial..	13,000
Feb. 10	Algeria	8	St John, N.B.	do ..	620	Savannah to Amsterdam.	near Amsterd.	Stranded.....	Not known.....	.....	do ..	200
Jan. 22	Ada R.....	2	Charlottetown P.E.I.	Schooner.....	123	Souris, P.E.I., to Queenstown.	Bear Island, Gut of Canso.	do ..	Ice .....	.....	do ..	500
do 26	Andrew Lovitt	10	Yarmouth, N.S.	Ship.....	836	Baltimore to Rouen..	Lat. 47° N, Lon. 41° W.	Abandoned at sea.	.....	.....	Total....	19,000 cargo

Month	Ship Name	Origin	Destination	Cause of Loss	Condition	Value
Feb.	1 Addie Benson	6 Digby, N.S.	Brigantine	337 Glasgow to Demers-British Channel	Disasted	Partial
Jan.	22 Annie Cotter	5 St. John, N.B.	Schooner	145 Porto Rico to New York	During the voyage Lost & split sails	50
do	21 Asiana	13 do	Ship	1182 New York to Liverpool	River Mersey, G. B. Collision	50
Feb.	22 Adriatic	9 do	do	1436 Graveline's Point, France	Stranded	55 000 Partial cargo 15,000
do	21 Argo	10 Digby, N.S.	Schooner	91 At wharf at Digby, N.S.	Disasted & other damaged	150
Mar.	17 Aura	10 Windsor, N.S.	Brig	260 Wilmington to New-castle, G. B.	Atlantic Ocean	Loss of spars &c.
do	31 Annie Currier	12 St. John, N.B.	Schooner	104 St. John, N.B., to New York	Off Nantucket Shoal	Loss of sail
May	17 Armada	13 Digby, N.S.	do	131 Bear River, N.S., to Boston, U.S.	Briar Island, Bay of Fundy	Collision
do	1 Alpha	10 Quebec	do	221 Port Caledonia, C.B., to Quebec	Off Sydney Harbour	Ice
Unk'n	Adeline	3 Halifax, N.S.	Barkentine	298 Cardiff, G. B., to Sagua la Grande	Lat. 43° 12' N.	Stress of weather
May	25 Atilla	20 Newcastle, G. B.	Ship	1146 Savona to Quebec	Lat. 46° 25' N., Lon. 59° 25' W.	Fog
do	30 Angus Grant	8 Shelburne, N.S.	Schooner	70 Jordan Bay to Fish-ling Banks	Jordan Bay	Stranded
June	4 Alexandra	25 Norwegian	Barque	405 At Betsiamis, R. St. Lawrence	Betsiamis	Stress of weather
do	17 Annie Laurie	32 Arichat, C.B.	Schooner	44 St. Peters, C.B., on fishery voyage	Amherst Harbour, Magdalen Isles	do
July	6 Albert	7 Charlottetown P.E.I.	Brigantine	193 Not known	15 miles from St. Ubes, Portugal	Foundered

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Aug. 19 Advance.....		1	Amberst, N.S.	Schooner	54	St. Peters, C.B., to Wallace, N.S.	Wallace Harbour.	Stranded....	Stress of weather.	.....	Partial..	\$ 600
June 24 Annie Murchie		9	St. John, N.B.	Brigantine..	217	Cardenas to N. York	Lat. 30° 19' N.; Lon. 75° 12' W.	Foundered...	do	.....	Total....	8,000
Aug. 19 Alfred ..		1	Yarmouth, N.S.	Schooner	46	Pictou, N.S., to Green Cove.	Black Point, N.S.	Stranded....	Parted chains.	.....	Partial..	500 Cargo 50
Oct. 13 Arathusa.....		14	Belfast.	Barque.	320	Dunkirk to Quebec...	Entry Island, Magdalen Island.	Loss of anchors and chains.	Stress of weather.	.....	do	500
do 18 Annie.....		1	Whitby, G.B.	Steamer	1247	Montreal to Liverpool	St. Antoine, R. St. Lawrence.	Stranded....	Fog	.....	do	Trifling.
Sept. 22 Alpha		2	Charlottetown, P.E.I.	Brig	299	Holyhead, G.B., to Charlottetown.	13 miles N.W. from Tuscar.	Loss of sails	Stress of weather.	.....	do	150
April 27 Ada Barton....		7	St. John, N.B.	Barque.....	608	St. John, N.B., to Panarath Roads.	Lat. 40° 30' N.; Lon. 69° 10' W.	Abandoned	Sprung a leak	.....	Total....	24,000
Oct. 5 A. C. Major....		13	Shelburne, N.S.	Schooner	89	Cape Canso to Halifax.	Whitehaven, N.S.	Stranded....	Stress of weather.	.....	Partial..	Trifling.
do 19 Atalia.....		21	Halifax.....	do	34	Liscomb, N.S., to Charlottetown.	Cape Jack, N.S.	do	do	.....	Total....	1,000
Nov. 6 Agenoria.....		9	Aberystwith, G.B.	Brigantine...	206	Chatham, N.B., to Aberystwith.	Miramichi River...	Cut by ice...	Ice.....	.....	Partial .	350
do 20 Albert		7	St. John, N.B.	Steamer.....	87	Pictou, N.S., to Magdalen Island.	Amberst Island....	Stranded....	Stress of weather.	.....	Total....	8,000

Oct. 26	Anna A. Rich.	5	Pictou, N.S.	Barque	584	Marseilles to Monte Video.	Foundered	do	do	24,000
Aug. 19	Alaric.	9	Liverpool, N.S.	Brigantine	210	Barbados to Liverpool. Lat. 18° 10' N; Lon. 63° 40' W.	Struck by waterspout,	do	Partial	2,700
Oct. 29	Active	32	Arichat, C.B.	Schooner	40	Margaree, C.B., to Arichat, C.B.	to Big Judique, C.B., Stranded	Stress of weather.	do	300
Notkn'n	Alpha	18	Quebec	do	221	Cow Bay, C.B., to Quebec	to Not known	Missing	Total	5,000 Cargo 500
Dec. 3	A. E. Dater	13	Yarmouth, N.S.	do	45	Sydney, C.B., to Halifax	to Main-à-Dieu, C.B., Stranded	Error of judgment.	do	1,200 Cargo 240
Nov. 28	Annie Cotter	5	St. John, N.B.	do	145	Port Depaix, Hayti, to New York.	Hogsty Reef, Bahamas.	do	do	4,000
Jan. 4	Blue Bird	8	Windsor, N.S.	Barque	393	Ogen, France, to New York.	to New Lat. 32° N; 21° W.	Loss of spars and sails.	Partial	700
do	Blue Bucco	13	St. John, N.B.	Schooner	145	St. John, N.B., to Philadelphia.	to Juniper Point, Sealern Harbor.	do	do	900
March 6	Batavia	2	Quebec	Ship	1110	New York to Shanghae.	Inaccessible Island	Fog	Total	44,000 Cargo 60,000
Notkn'n	Boadicea	11	Yarmouth, N.S.	Schooner	79	Yarmouth to Mar-tinique.	to Mar. Not known.	Missing	do	6,000 Cargo 3,500
May 7	Brothers Pride	13	St. John, N.B.	Barque	442	Cardenas to New York.	to St. Domingo Coast	Abandoned	do	12,000
June 28	Bucco	13	do	Schooner	145	St. John, N.F., to Sydney, C.B.	to Scatterie Island	Stranded	Partial	.....
July 19	B. Wier	12	Quebec	do	56	Newfoundland to Halifax.	to St. Andrews Island	do	Total	1,600
do	Bucherlass Ambassador	15	Liverpool, G.B.	Ship	1376	Shanghai to Victoria, B.C.	6 miles from Cape Beale.	Fog	do	25,000
Oct. 27	Bellerophon	6	American	Schooner	85	Banks to Gloucester, U.S.	to Seal Island	Dismasted	Partial	350
do	Blue Ware	21	Sydney, C.B.	do	61	Main-à-Dieu to Halifax.	to Whitehaven, N.S.	Stranded	Total	2,000 Cargo 500
Sept. 11	Blanco	4	St. John, N.B.	Brigantine	354	Bilboa, Spain, to New York.	to New York.	Loss of sails.	Partial	228

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Nov. 20	Britain.....	14	St. John, N.B.	Schooner.....	61	Harvey, N.B., to St. John, N.B.	Griffin Beach, near Quaco, N.B.	Stranded.....	Dragged anchors.	.....	Total.....	\$ 400
Oct. 21	Boxwood.....	5	Windsor, N.S.	do	40	Canning, N.S., to John, N.B.	Isle Haute, Bay of Fundy.	Disasted.....	Squall.....	.....	Partial..	240
June 30	Barnard Castle	2	North Shields.	Steamer.....	1090	Montreal to London.	Lake St. Peter, R. St. Lawrence.	Stranded.....	Lowness of water.	.....	do ..	Trifling.
31	Cyprus.....	new	Yarmouth, N.S.	Ship.....	1392	Savannah to Liverpool.	Lough Foyle, Ireland.	Collision.....	.....	.....	do ..	3,000
Feb. 14	Canada West.	24	St. John, N.B.	Barque.....	727	St. John, N.B., to Barcelona.	Lat. 40° 8' N; Lon. 59° 36' W.	Abandoned.....	Sprung a leak.	.....	Total.....	10,000 cargo 4,672
do	Columbo.....	6	London.....	Steamer.....	1259	New York to Barcelona.	Lat. 39° 45' N; Lon. 61° 30' W.	Damaged at sea.	Stress of weather.	.....	Partial..	5,000 cargo 9,000
Jan. 16	Cuba.....	9	St. John, N.B.	Schooner....	143	Arribo to New York.	Long Beach, New Jersey.	Stranded.....	Error of judgment.	.....	Total.....	3,000
Notkn'n	Coila.....	3	do	Barque.....	557	Baltimore to Ireland.	Newry, Not known.	Missing.....	Not known.....	11	do	24,000 cargo 29,000
April 26	Camilla.....	5	Quebec.....	Schooner....	126	St. Johns, Newfound-land to Sydney, C.B.	Bird Rock, C.B.....	Stranded.....	Ice .....	.....	do	5,000 cargo 600
Feb. 20	China.....	12	Liverpool, N.S.	Brigantine..	201	Arribo, P.R., to New York.	Lat. 38° N; Lon. 71° 20' W.	Sprung leak.	Stress of weather.	.....	Partial..	2,500 cargo 2,000
June 20	Colina.....	6	Glasgow.....	Steamer.....	1296	Quebec to Montreal.	Off Cape Charles, R. St. Lawrence.	Stranded.....	Error of judgment.	.....	do	Not known.

July 2	Oyprus.....	1	Yarmouth, S. Ship.....	1323	Quebec to Liverpool. 20 miles from S.W. point, Anticosti.	do	.....	do	.....	6,000
May 23	C. R. C.	8	Jersey.....	248	Jersey to Arichat, Arichat Harbour... C.B.	do	.....	do	.....	.....
March 27	Champion.....	9	Yarmouth, N.S. Barque.....	799	Dunkirk, France, to 20 miles S.W. from Delaware Break. Delaware Break. water.	do	.....	do	.....	11,000
April 30	Cybele.....	5	Glasgow.....	1278	Glasgow to Montreal Hare Island Reef, R. St. Lawrence.	do	.....	do	.....	.....
Aug. 24	Constantia.....	27	Norwegian... ..	684	Limerick to Quebec. 7 miles below Escomins, R. St. Lawrence.	do	.....	do	.....	16,000
June 17	Carrick.....	2	St. John, N.B. Brigantine..	314	New York to Bay. Bayonne..... onne, France.	do	.....	do	.....	2,500
Oct. 1	Cato.....	8	Montreal.....	113	At Montreal.....	Collision.....	.....	do	.....	975 cargo 375
June 8	Canon Harrison.	3	St. John, N.B. Ship.....	1190	Newcastle, N.S.W., Torres Straits..... to Bombay.	Stranded.....	.....	do	.....	1,700
Oct. 4	Craftsman.....	13	Miramichi.....	Schooner....	24	Dalhousie, N.B., to Off Shippegan, N.B. Pictou, N.S.	Foundered..	.....	Total ..	700
May 17	Charley.....	5	Windsor, N.S. Barque.....	770	Colombo, Ceylon, to Lat. 8° 20' N; Lon. 77° 58' E. New York.	Stranded.....	.....	do	.....	50,000
Jan. 18	Don Pedro.....	10	St. John, N.B. Schooner....	61	St. John, N.B., to 15 miles from Cape Elizabeth, U.S. Boston.	Loss of main boom.	.....	do	.....	35
do	Delta.....	13	Halifax, N.S. Brigantine..	127	Demerara to Halifax, During the voyage. N.S.	Sprung a leak.	.....	do	.....	2,000
Feb. 21	Dottie.....	6	do	do	Montego Bay, Ja., to Lat. 49° 19' N; Halifax, N.S. Lon. 64° 19' W.	Dismasted....	.....	do	.....	2,300
do	Dunsyre.....	1	Yarmouth, N.S. Ship.....	1083	New York to Havre. Lat. 40° N; Lon. 44° W.	Abandoned.	.....	do	.....	45,000
Mar.	D. F. Brown...	6	Liverpool, N.S. Brigantine...	157	Arricibo, P.R., to Lat. 35° 20' N; New York. Lon. 71° 40' W. &c.	Loss of sails, &c.	.....	do	.....	500 cargo 400

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Notkn'n	Dartmouth	6	Yarmouth, N.S.	Barque.....	873	Liverpool, G.B., to Delaware Break-water.	to Not known.....	Missing.....	Not known.....	17	Total ...	\$ 30,000
May 17	Diamond	16	St. John, N.B.	Schooner....	39	Margaretsville, N.S. to St. John, N.B.	Foul ground, St. John Harbour.	Stranded.....	Fog .....	.....	Partial..	100
Notkn'n	Dreadnot	8	Yarmouth, N.S.	do	104	Antigua, W.I., to Yarmouth, N.S.	to Not known	Missing	Not known.....	7	Total ...	2,400 cargo 3,500
May 25	Deodate	24	Norwegian.....	Barque.....	322	London, G.B., to Ladousac, P.Q.	to Lat. 46° 29' N; Lon. 57° 48' W.	Loss of spars	Ship rolling in heavy sea.	.....	Partial..	1,700
June 19	De Salaberry	24	South Shields..	do	833	Carthagena to Quebec.	Quebec Harbour ...	Collision	SS. "Nettlesworth."	.....	do ...	3,000
July 23	Dagmar.....	.....	Norwegian	do .....	.....	Shediac, N.B., to Liverpool.	Shediac Harbour....	Stranded.....	Not known .....	.....	do ...	500
April 1	Daniel Norton jun.	10	Digby, N.S.....	Schooner ...	127	Digby, N.S., to Trinidad, W.I.	to Lat. 39° 29' N; Lat. 61° 41' W.	Dismasted & abandoned.	Stress of weather.	.....	Total ...	3,000
Sept. 15	Delina	15	Quebec	do	147	Rimouski to Quebec.	Brandy Pats, R. St. Lawrence.	Collision with S.S. Harcworth.	.....	.....	Partial..	125
Oct. 28	Defiance.....	34	Halifax, N.S....	do	25	Cardigan, P.E.I., to Halifax, N.S.	to Bear Island, Little Dover, N.S.	Stranded....	Stress of weather.	.....	Total ...	1,000
do 29	Delina	15	Quebec	do	147	River Blanche to Quebec.	Barnaby Island, R. St. Lawrence.	do ...	do ..	.....	do ...	3,500 cargo 5,000
18	Dauntless	7	do	Steamer	38	Montreal to Quebec.	St. Antoine, R. St. Lawrence.	do ..	Fog .....	.....	Partial..	125

do	29	Daddy	.....	Miramichi, N.B.	Schooner	.....	56	Pictou, N.S., to Chatham, N.B.	Richibucto	Beauvoir, N.B.	do	.....	Stress of weather.	.....	Total	.....	1,500
																	88
																	cargo
Jan.	26	Effie Young	1	Annapolis, N.S.	do	.....	119	Annapolis, N.S., to Digby Harbour, N.S.	Barbadoes.	Collision	.....	do	.....	Partial	.....	80	
do	6	Estella	2	Yarmouth, N.S.	do	.....	45	Yarmouth to Annapolis, N.S.	Not known	.....	do	.....	do	.....	3	3,000	
do	30	Empire	5	American	.....	Steamer	732	Nanaimo, B.C., to Belle Chain Reef, B.C.	San Francisco.	Stranded	.....	do	.....	Partial	.....	Not known.	cargo 1,500
do	17	Exile	6	St. John, N.B.	Barque	.....	934	Annapolis to Delaware Breakwater.	Lat. 55° N.; Lon. 23° W.	Damaged at sea.	.....	do	.....	do	.....	10,000	
April	1	Emma	18	do	.....	Schooner	120	South Amboy, N.J., to St. John, N.B.	Nantucket Island.	Stranded	.....	do	.....	Total	.....	2,000	
Jan.	21	Ellida	.....	Chatham N.B.	Brig	.....	256	Troon to Belfast	Whitehead, Ireland	do	.....	do	.....	Partial	.....	560	cargo 45
May	14	Eliza B. Beard	9	St. John, N.B.	Schooner	.....	101	St. John, N.B., to 1 mile S.W. of Chatham Head.	Halifax, N.S.	do	.....	do	.....	Total	.....	2,500	
Nov	15	Edward Albro	15	Pictou, N.S.	Barque	.....	394	Nasau, N.P., to New York.	Not known	.....	Missing	.....	do	.....	do	.....	10,000
April	29	Exeter	24	St. John, N.B.	Woodboat, Schooner	.....	77	Joggins, N.S., to St. John, N.B.	11 miles S.E. of St. John, N.B.	Stranded	.....	do	.....	Partial	.....	60	
March	31	Emma	1	Lunenburg, N.S.	Brigantine	.....	167	Chenouegues to Stephens, N.B.	Lat. 35° 25' N; Lon. 61° 6' W.	Collision	.....	do	.....	do	.....	3,000	
June	15	Elite	7	Quebec	.....	Brigantine	121	Harbour Grace, Nfld., to Montreal.	Bathewan Harbor, Labrador.	Stranded	.....	do	.....	Partial	.....	3,500	
April	24	Eliza Christie	6	Sydney, C.B.	Schooner	.....	114	At Arricibo, Porto Rico.	Arricibo	do	.....	do	.....	Total	.....	3,500	
do	18	Enterprise	11	St. John, N.B.	do	.....	42	Chatham Harbor to Halifax, N.S.	Off Sheatin Island, N.S.	Collision	.....	do	.....	do	.....	500	
Aug.	5	Eleonor	20	Belfast	.....	Barque	899	Belfast to Miramichi.	Lat 46° 50' N; Lon. 68° 30' W.	do	.....	do	.....	Partial	.....	4,000	
Sept	3	Eliza A. Kennedy	12	St. John, N.B.	Ship	.....	1080	Chatham, N.B., to Havre.	Miramichi Bar	Stranded	.....	do	.....	do	.....	100	cargo

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Aug. 26	E. Goodwin....	6	Shelburne, N.S.	Schooner....	82	Yarmouth, N.S., to Sydney, C.B.	Jedore Ledges, N.S.	Stranded....	Error of judgment.	.....	Total....	\$ 3,500
do	Enchantress ...	18	Yarmouth, N.S.	do	35	Yarmouth, on fishing voyage.	Orif Island, Tusket Islands.	do	Stress of weather.	.....	Partial.	500 cargo 400
do	Edith Troop...	7	St. John, N.B.	Ship.....	1233	Baltimore to Belfast.	Ballyquintin, Ireland.	do	Fog.....	.....	do	Not known.
Oct. 29	Emelia B.....	6	Port Hawkesbury, C.B.	Schooner....	29	Halifax, N.S., to Shelburne, N.S.	McNutt's Island, Shelburne Hbr.	do	Parted chains..	.....	Total....	1,000 cargo 10
Nov. 3	Emma G.....	1	St. John, N.B.	do	82	Fredricton to John, N.B.	Small Cranberry Island.	do	Snow storm....	.....	Partial.	200
Sept. 8	Eugenie.....	15	Quebec.....	Steamer.....	87	St. Antoine to Quebec.	St. Nicholas, River St. Lawrence.	do	Fog.....	.....	do	1,000
Nov. 10	Ecliptic	18	St. John's, Newfoundland.	Brigantine...	149	St. John's, Nfld., to Sydney, C.B.	Cranberry Head, C.B.	do	Mistook Pt. Light.	.....	Total....	2,000
do	Elizabeth Ann	13	Halifax, N.S....	do	173	Bayfield, N.S., to John's, Nfld.	St. Bayfield, N.S.	do	Stress of weather.	.....	do	5,000
do	Eliza	4	Charlottetown P. E. I.	do	199	Charlottetown to Mulpeque.	Carter's Cove, N.S.	do	Snow storm....	.....	.....	Not known.
Sept. 3	Evienne.....	1	Glasgow.....	Steamer.....	1317	Montreal to Glasgow	Red Bay, Labrador	do	Fog .....	.....	Total....	150,000 c'go. 120,000
Nov. 29	Erviva.....	.....	Norway	Barque.....	490	New York to Queens-town.	Lat. 41° N., Lon. 63° W.	Damaged at sea.	Stress of weather.	.....	Partial.	12,000

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Nov. 1	Flora Ann.....	8	Charlottetown P.E.I.	Schooner.....	12	Margaree, C.B., to Margaree Halifax, N.S.	Beach, Stranded C.B.		Stress of weather.	.....	Partial..	\$ 150
Oct. 28	Fama.....	2	Halifax, N.S....	do ...	43	Pictou to Halifax ...	Yankee Point, N.S	do	do	.....	do ...	1,800
July 8	Florida.....	17	Quebec.....	do ...	52	Quebec to Perce, P.Q.	Pabos River, P.Q..	do	Fault of pilot.	.....	do ...	Trifling.
Jan. 3	G. W. Powsland.	2	Lunenburg, N.S.	do ...	107	Barbadoes to Lunen- burg.	Lat. 40° 20' N., Lon. 65° 30' W.	do	Stress of weather.	.....	Total....	7,500
Feb. 20	Genoa.....	4	Windsor, N.S.	Brigantine...	462	Dunkirk to New York.	15 miles from Bar- negat Lighthouse	do	Error of judgment.	.....	Partial..	150
Notkn'n	G. T. Windsor	13	Yarmouth, N.S	do ...	98	Turk's Island to Yar- mouth.	.....	do	.....	.....	Total....	3,500 cargo 750
Jan. 9	Gunhilda.....	8	Pictou, N.S....	Barque.....	699	Baltimore to Bor- deaux.	Bordeaux Bar.....	do	Error of judgment.	.....	do ...	20,000 cargo 25,000
Mar. ...	G. F. Day.....	8	Parrsboro', N.S	Schooner....	146	Annapolis to Trini- dad.	During the voyage	do	Stress of weather.	.....	Partial..	100
April 3	G. W. John- son.	10	Yarmouth, N.S	Steamer.....	72	Parrsboro', N.S., to Wolfville.	Partridge Island, Minas Basin.	do	.....	.....	Total....	10,000
Aug. ...	Gulow.....	18	Norwegian.....	Barque.....	754	At Northport, N.S...	Northport.....	do	Parted chains.	.....	Partial..	Not known.
Aug. 19	Gladovia.....	2	Parrsboro', N.S	do	657	Quebec to Liverpool.	Quebec Harbour ...	do	Collision.....	.....	Trifling	
July 29	George.....	7	Halifax, N.S...	do	942	Three Rivers to Monte Video.	do	do	Took fire.....	.....	Partial..	15,000 cargo 10,000

Date	Name	Tonnage	Origin	Destination	Incident	Loss	Value
Sept. 19	Golden West	15	Lunenburg, N.S.	St. Esprit, C.B.	Stranded	Stress of weather	do
Oct. 27	Granville Belle	5	Annapolis, N.S.	Hamburg to New York	Loss of spars	do	do
Jan. 6	Herbert H. Raymond	5	Weymouth, N.S.	St. Eustatius, W.I. to Weymouth, N.S.	Foundered	do	8,000
do	Hop Vine	new	St. John, N.B.	Off Lepreaux, Bay of Fundy	Loss of spars	do	100
do	Harmony	7	Windsor, N.S.	Long Island Sound, U.S.	Loss of spars	do	3,500
Feb. 1	H. D. Holsted	4	St. John, N.B.	Neck Island, Me., U.S.	Stranded	Unknown ledge	6,000
Jan. 26	Henry M. Clark	...	American	Off Sheet Harbour, N.S.	Loss of spars	Stress of weather	cargo 3,828
Jan. 7	Hirsha	4	Charlottetown, P.E.I.	Lat. 38° 4' N.; Lon. 67° 3' W.	Foundered	Stress of weather	20,000
35 Feb. 16	Home	18	Yarmouth, N.S.	Antwerp to Philadelphia	Abandoned	Stress of weather	20,000
March 9	Hattie Gosdy	5	do	Philadelphia to River Seine, France	Stranded	Error of judgment	23,000
do	H. H. McCurdy	6	Halifax, N.S.	St. Johns, Newfoundland	do	Fog	3,500
do	3-4 Herb't J. Olive	6	St. John, N.B.	Delaware Breakwater to Boston, Mass.	Loss of sails	Stress of weather	cargo 5,000
.....	Hazelhurst	3	Annapolis, N.S.	do	Loss of spars	do	1,000
July 17	Harmonie	21	Norwegian	St. Thomas, River St. Lawrence	Stranded	Foul anchor	do
Oct. 12	Hero	3	Halifax	Halifax Harbour	Collision	SS. "Alhambra"	700 cargo 300
.....	Harrist Upham	5	Londonderry, N.S.	St. Marys, Florida, to Rio Platte	Stranded	Stress of weather	do

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessels.	Age.	Part of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Oct. 29	H. C.	12	Halifax, N.S.	Schooner	34	House Harbour, Magdalen Islands, to Halifax, N.S.	Glasgow Harbour, N.S.	Stranded	Stress of weather.	Partial.	Partial.	\$ 1,800
July 23	Harmonie	21	Norwegian	Barque	410	Quebec to London	Gulf of St. Lawrence.	Collision	Fog	do	do	Not known.
Aug. 15	Henry Buschman.	6	Parreboro', N.S.	Schooner	229	Glace Bay, C.B., to St. John, N.B.	at Schooner Pond.	Stranded	Want of wind	do	do	2,500 cargo 78
Jan. 13	Industry	16	Victoria, B.C.	do	32	Nanaimo to Victoria	Between Trial and Discovery Rocks	Foundered	Unseaworthy	Total	Total	700 cargo 257
t 19	Ida	11	Halifax, N.S.	Brigantine	165	Rio Grande to Pernambuco	30 miles from Hapcaven, Brazil.	do	Sprung a leak	do	do	6,000
Oct. 1	Indus	2	London	Steamer	1236	At Montreal	Montreal	Collision	SS "Francis"	Partial	Partial	Not known.
Nov. 15	Ida	24	St. Johns, Nfld	Brigantine	149	St. Johns, Nfld. to Sydney, C.B.	to Black Rock, C.B.	Stranded	Snow storm	Total	Total	1,200
Feb. 16	Janie R.	6	Liverpool, N.S.	Schooner	44	Shelburne, N.S., to Boston, Mass.	Shelburne Harbour	do	Snow squall	Total	Total	3,000 cargo 900
Jan. 1	James H. Myrick.	2	Charlottetown, P.E.I.	Barque	399	Tignish, P.E.I., to Queenstown.	to Lat. 48° 24' N.; Lon. 22° 14' W.	Foundered	Stress of weather.	do	do	15,000 cargo 10,000
Notkn'n	Jessie McLeod	2	do	Brigantine	148	Charlottetown to Queenstown.	to Not known	Capsized	Not known	8	do	8,000 cargo 4,233
Mar. 19	Jno. F. Robert-son.	4	do	Barque	432	Philadelphia to Oporto.	25 miles off Cape Henry.	Collision	Collision with the "Sam Shephard."	Partial	Partial	3,000 cargo 800

Date	Name	Origin	Destination	Cause	Value	Notes
April 18	Julia Clinch	14 St. Andrews, N.B.	to Boston, Maine, U.S.	Ledge, Stranded	2,500	Total
Feb. 10	J. S. Wright	3 Yarmouth, N.S.	Ship to London Lat. 43° 37' N.; Lon. 41° 2' W.	Damaged by sea	3,000	Partial
Aug. 24	Joseph Milbury	do	do	Stranded	43,000	Total
do	23 J. Savard	4 Quebec	do	Collision	265	Partial
April 24	Jessie	8 Charlottetown P.E.I.	do	Stranded	1,500	Total
Aug. 1	J. P. Blake	4 Parrsboro', N.S.	do	do	1,000	do
Sept. 10	Jane Wright	7 St. John, N.B.	do	do	10,000	Partial
Oct. 9	Juvenile	Yarmouth, N.S.	do	do	1,700 cargo	Total
Sept 27	J. Walter Seamell	7 St. John, N.B.	do	Loss of rudder	250	Partial
.....	Joseph H. C. man.	2 Dorchester, N.B.	do	Collision	30,000	Total
.....	J. B. Newcomb	4 do	do	Loss of sails and yards	800	Partial
Oct. 20	Jane McKay	5 Charlottetown P.E.I.	do	Stranded	2,000 cargo	Total
Sept. 7	Jehu	23 Aberdeen	do	Collision	620	Partial
Feb. 24	John Ellis	13 St. John, N.B.	do	Loss of sails	1,000	do
Oct. 29	John Louis	new Pictou, N.S.	do	Collision	300	do

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Oct. 19	Jas. Peake.....	6	Charlottetown P.E.I.	Barque.....	649	Sydney, C.B., to Charlottetown.	Off Cape George, N.S.	Thrown on beam ends	Stress of weather.	.....	Partial..	Not known.
.....	J. W. Oliver...	6	Annapolis, N.S.	do	752	Rouen, France, to New York.	Atlantic Ocean....	Loss of sails	do .....	.....	do ..	
April 1	Katie.....	3	Charlottetown P.E.I.	Schooner.....	99	Barbadoes to Boston.	Lat. 39° N., Lon. 68° 28' W.	Abandoned..	Dismasted.....	.....	Total....	3,000
.....	King of Algeria.	23	Quebec.....	Ship.....	1522	Philadelphia to Antwerp.	Not known.....	Missing.....	Not known.....	18	do ..	30,000
Nov. 28	King's County	8	Windsor, N.S.	Barque.....	858	New York to Rouen, France.	Rouen Harbour....	Collis'n with the S.S. "Jubilee."	do .....	.....	Partial..	1,600
Sept. 1	Lottie Stewart	6	St. John, N.B.	do	742	Liverpool, G.E., to Baltimore.	Near Cape Henry, U.S.	Collision....	Error of judgment.	.....	do ..	1,000
Mar. 16	LuednaDurkee	4	Yarmouth, N.S.	do	576	New York to Bordeaux.	Lat. 46° 10' N., Lon. 38° 14' W.	Abandoned.	Stress of weather.	.....	Total....	20,000 cargo
April 15	Leonie.....	1	Charlottetown P.E.I.	Brig.....	296	Liverpool, G.B., to Charlottetown.	Lat. 46° 30' N., Lon. 28° 40' W.	do ..	Sprung a leak.	.....	do ..	15,000
Not known	Lake Michigan	9	Montreal.....	Ship.....	880	Portland, Me., to London.	Not known.....	Missing.....	Not known.....	28	do ..	53,000
April 1	Lorne.....	8	St. John, N.B.	Schooner ...	87	St. John, N.B., to New York.	Off Nantucket Is., land.	Stern stove in by boat	Stress of weather.	.....	Partial..	500 cargo
Mar. 31	L. H. DeVeber	8	do ..	Barque.....	615	Cette, France, to Boston, U.S.	During the voyage	Loss of sails	do .....	.....	do ..	200

.....	<i>Lizzie M. Ste-</i>	20	Yarmouth, N.S. Schooner...	76	Yarmouth, N.S., to Not known.....	Missing.....	(Not known.....)	6	Total....	1,500	
May	17	Lotus.....	39	Quebec.....	Barque.....	Quebec.....	829	Rochester, G.B., to Shag Island, New- foundland.	Stranded... Fog.....	do ... do ...	10,000
June	3	Labrador....	20	Greenock.....	Ship.....	Quebec.....	1171	Portsmouth, G.B., to Off Crane Island, Riv. St. Lawrence	do Error of judg- ment.	Trifling.	4,000
July	17	Leura.....	3	Maitland, N.S..	Brig.....	N.S.....	457	St. Nazaire to Pictou, Canso, N.S.	Stranded..... Fog.....	Partial..	8,000
Feb.		Lophema.....	11	Halifax, N.S..	Brigantine...	Pensecola.	337	Liverpool, G.B., to During the voyage	Damaged by sea.	1	Total...
June	4	Laura.....	22	Norwegian.....	Barque.....	Quebec.....	387	Quebec to Bristol....	Collision..... Drifting down with tide.	Partial..	400
Jan.	25	Lady Bird.....	7	Quebec.....	Brigantine...	Quebec.....	173	St. Johns, Nfld., to Lat 42° N.; Lon. 48° W.	Dismasted... Hurricane.....	do ... do ...	6,000 cargo 7,000
July	24	Lily.....	8	Windsor, N.S..	do	Penambuco.	368	New York to Hants- Schoolie Is. near Mount Desert.	Stranded..... Fog.....	do ... do ...	1,500
Aug.	19	Lyra.....	7	do	Ship.....	Hook.	1089	Dublin to Sandy Lat. 42° N.; Lon. 62° W.	Loss of spars and sails.	do ...	200
July	4	Lessie.....	7	Charlottetown	Schooner....	P.E.I.	40	Pictou, N.S., to Char- One mile west of Pictou Harbour.	Foundered... do ...	Total....	400 cargo 140
April	27	Lalia W.....	9	Annapolis, N.S.	Barque.....	Quebec.....	561	New York to Mar- Atlantic Ocean....	do ... do ...	do ... do ...	23,009
Sept.	4	Laura.....	2	Barrington, N.S.	Brigantine...	Quebec.....	147	Demerara to Beny- Western Group Aves Islands.	Stranded..... Error of chro- nometer.	do ... do ...	9,000
Oct.	29	Laura Bell....	13	Halifax, N.S..	Schooner....	Quebec.....	74	Main-à-Dieu to Hal- Whitehaven, N.S.. fax.	do ... Stress of wea- ther.	Partial..	800 cargo 150
July	20	Leaping Water	20	Glasgow.....	Barque.....	Quebec.....	1098	Barrow, G.B., to During the voyage	Damaged at sea.	do ... do ...	800
Dec.	10	Lizzie Gillespie	8	St. John, N.B.	do	Quebec.....	429	Sydney, C.B., to St. Walkers Reef, Cape Island, N.S.	Stranded..... Error of judg- ment.	Total....	17,000
Nov.	20	Lydia.....	26	Maryport, G.B	do	Quebec.....	638	Quebec to Bowling, Manicouagan Shoal R. St. Lawrence.	do ... Snow and fog.....	do ... do ...	15,000 cargo 10,000
Oct.	3	Lizzie Ross....	6	Windsor, N.S..	Ship.....	Quebec.....	1150	Barrow, G.B., to De- Lat. 47° 30' N.; Laware Breakwater Lon. 98° W.	Loss of sails, Stress of wea- ther.	Partial..	250

STATEMENT of Wrecks and Casualties to Sea-going Vessels — Continued.

Date of Casualty.	Name of Vessel.	Age	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Jan. 22	Maggie.....	4	Liverpool, N.S.	Brigantine...	266	Lunenburg, N.S., to Liverpool, N.S.	Neal's Ledge, N.S.	Stranded....	Stress of weather.	.....	Total....	\$ 15,000 cargo 450
do	Marius Colpel.	3	Digby, N.S.	do	358	Charleston, S.C., to Beaufort, S.C.	Stone Breaker, U.S.	do	Fog.....	.....	do	10,000
do	May.....	5	Lunenburg....	do	148	Turks Island to Lunenburg.	Lat. 38° 30' N.; Lon. 67° 40' W.	Loss of spars and sails.	Stress of weather.	.....	Partial..	2,000 cargo 400
do	Maroon.....	1	Shelburne, N.S.	Schooner....	77	Lockeport to Barba- does.	Lat. 13° 16' N.; Lon. 60° 5' W.	Capsized....	Squall.....	.....	Total....	7,000 cargo 5,100
do	Marometh.....	34	Yarmouth, N.S.	do	58	Yarmouth to Antigua, W.I.	Lat. 32° 25' W.; Lon. 61° 50' W.	do	Stress of weather.	.....	do	1,500
Unkn'n.	Madura.....	3	Quebec.....	Barque.....	970	Javis Island to Europe.	Not known.....	Leaky.....	do	.....	do	Not known.
Feb. 6	M. P. Harrington.	5	Liverpool, N.S.	Brigantine...	315	Month of Danube to Falmouth, G.B.	Black Sea or Dan- danelles.	Leaky and stranded.	do	.....	Partial..	3,700
Mar. 30	M. A. Doran....	3	Windsor, N.S.	Brigantine...	315	Cardenas to New York.	Lat. 30° N., Lon. 73° W.	Loss of sails	Stress of weather.	.....	Trifling.	
Feb. 18	Maud & Bessie	7	St. John, N.B.	Schooner....	75	New York to St. John, N.B.	St. Provincetown, U.S.	Stranded....	Driven ashore by ice.	.....	do	
April 19	Malaga.....	8	do	Brigantine...	268	Boston to St. John, N.B.	Off Boston Light.	Loss of spars	Stress of weather.	.....	Partial..	2,000
June 7	Marie Luce....	20	Not registered	Schooner....	50	Rimouski, P.Q., to Metis, P.Q.	Rimouski, P.Q.	Stranded....	do	.....	Total....	200

do	6 Melinda Ann...	8 Lunenburg, N.S.	do	53 Halifax, N.S., to Green Point Shoal, N.S. Labrador.	do	Fog	Partial.	600
Unkn'n.	Monarch...	2 Halifax, N.S.	Ship	1187 New York to Antwerp. Dungeness, G.B.	Collision	Error of judgment.	do	250
May	5 Maggie	5 Liverpool, N.S.	Brigantine	270 Port Medway to Havana. Moselle Shoal, Bahamas.	Stranded	Fog	do	3,000 400 cargo
Aug.	19 Mary Mc	16 Halifax, N.S.	Schooner	31 Pictou, N.S., on fishing voyage. Richibucto, N.B.	Loss of sails	Stress of weather.	do	180
do	31 Mars Hill	30 Ellsworth, U.S.	do	123 Sackville, N.B., to New York. Allen's Creek, N.B.	Stranded	Error of judgment.	Total	800 200 cargo
do	24 Milton	24 Newcastle, G.B.	Ship	1250 Bristol to Quebec. 3 miles off Grand Etang, River St. Lawrence.	do	Fog	do	25,000
Dec.	... Medina	6 Annapolis, N.S.	Brigantine	342 Bayonne to York. New Lat. 40° 20' N., Lon. 73° 0' W.	Damaged by sea.	Stress of weather.	Partial	170
Sept.	26 Mary, Star of the Sea	14 Quebec	Schooner	80 Harbour Grace, Nfld to Montreal. 65 miles from St. Pierre, Miquelon.	Foundered	do	Total	1,600 7,000 cargo
Aug.	... Melia	12 Parrsboro, N.S.	do	70 Hantsport, N.S., to St. John, N.B. Spencer Island, N.S.	Stranded	Stress of weather; vessel old and rotten, and gear bad.	do	500
Oct.	7 Marie Eleanor	8 Quebec	do	72 Harbour Breton to Quebec. Byron Island, one of the Magdalen Islands.	do	Error of judgment.	do	3,200 200 cargo
do	10 Marie Emma	13 Charlottetown P. E. I.	do	65 Pictou, N.S., to Digby, N.S. High Island, near Beaver Harbour.	do	Stress of weather.	do	600 233 cargo
do	29 Mildred	new	Whitby, G.B.	882 Montreal to London. Near St. Pierre, Riv. St. Lawrence.	do	Error of judgment on part of pilot.	Partial	6,000
do	29 Mary Alice	18 Halifax, N.S.	Schooner	58 Halifax to Charlotte-McNair's Point, Gut of Oanso.	do	Chains parted.	do	100
do	29 Mountaineer	10 Not registered	do	12 Magdalen Islands to Margaree, U.B. Cheticamp, C.B.	do	Stress of weather.	do	100

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Tons.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Oct. 29	Muskat	9	Arichat, C.B.	Schooner.....	9	Margaree, C.B., to Halifax, N.S.	West side of Margaree Harbour.	Stranded.....	Stress of weather.	.....	Partial.	200 cargo 1,000
Nov. 9	Marie Anne.....	1	Quebec.....	do	76	Newfoundland to Sydney, C.B.	6 miles from Cape George, N.S.	Collision.....	Error of judgment.	.....	do ..	100
1-Oct. 29	Merit	11	Miramichi.....	do	18	Chatham, N.B., to Shippegan.	Chatham Harbour.	Damaged by wharf.	Stress of weather.	.....	do ..	50 cargo 85
do	Marie	3	Pictou, N.S.	Barquentine.....	323	Buenos Ayres to Pictou, N.S.	Lat. 40° 30', N, Lon. 63° 25', W.	do	do .....	.....	do ..	1,600
do	Mary, Queen of the Seas.	7	Quebec.....	Schooner.....	108	Newfoundland.	St. Antoine, River St. Lawrence.	Stranded.....	Fog.....	.....	do ..	800 cargo 1,700
do	Mary	17	Port Hawkesbury, N.S.	do	43	New Campbellton to Halifax, N.S.	do	do	Stress of weather.	.....	Total....	900
do	Mathilde Octavia.	13	Quebec.....	Barque.....	539	Montreal to Monte Video.	St. Antoine, River St. Lawrence.	do	Fog.....	.....	Partial..	800
do	Maggie.....	14	Arichat, C.B.	Schooner.....	118	Pictou, N.S., to Halifax, N.S.	do	do	Stress of weather.	.....	Total....	1,800 cargo 206
do	Marie	3	Quebec.....	do	58	St. Fidèle, P.Q., to Quebec.	do	Collision.....	Current .....	.....	Partial..	80
Feb. 20	Norman.....	22	St. John, N.B.	Steamer	12	St. John, N.B., to Indianatown.	Indianatown Wharf.	Sprung a leak.	Struck an anchor.	.....	Trifling.....	.....
Mar. 10	Nelle Moody....	6	Yarmouth, N.S.	Barque.....	746	Baltimore to Belfast.	Baltimore.....	Leaky.....	Stem started.....	.....	Partial....	870

June 7 Notre de la Victoria.	19	Quebec.	Schooner.....	55 Equimaux to Gaspé, Cape Rosin Cove.	Stranded.....	Stress of weather.	Total.....	2,000
do 26 Nelson.....	20	St. Andrews, N.B.	Ship	942 Greenock to Quebec, St. Thomas Bank, R. St. Lawrence	do	Fault of Pilot.	Partial..	1,200
do 19 Nettlesworth..	1	London	Steamer.....	917 Montreal to Pictou, Quebec Harbour ... N.S.	Collision.....	Error of judgment.	do ...	150
Unkn'n. Nora Mathilde		Portuguese.....	Brigantine...	150 Halifax, N. S., to McDonald Rock, Sheet Harbour, N.S.	Stranded.....	Not known.....	Total...	2,000
Oct. 19 Nancy	20	Shelburne, N.S.	Schooner.....	63 Richibucto to Pictou, N.S.	Capsized & afterwards stranded.	Stress of weather.	do ...	700 cargo
Sept. 8 Ned	13	Quebec	do	26 Bic to Quebec	Grane Island, Riv'r Stranded & capsized.	do	do ...	600 cargo
Oct. 15 New Zealand ..	27	do	do	112 Matane to Quebec.....	Collision.....	Unknown.....	Partial..	50
..... Natrons	2	do	Barque.....	293 Ivigtut, Greenland, to Philadelphia.	Foundered ..	Not known.....	Total ...	20,000
Jan. ... Oliver Emery.	6	St. John, N.B.	do	623 Barrow-in-Furness to Sandy Hook.	During the voyage Split sails, &c.	Stress of weather.	Partial..	260
Mar. 15 Ocean Belle...	9	do	Schooner ...	104 In St. John Harbour. At St. John, N. B.	Collision	Not known.....	do	200
do 31 Oriental.....	1	Quebec	Barque.....	1056 Philadelphia to Cork, S. E. side of Sable Island.	Stranded	Dense fog.....	Total ...	45,000 cargo
June 7 Orleans.....	4	do	Brigantine...	207 Glace Bay, C.B., to Quebec.	do	do	Partial..	6,000 cargo
April 19 Opera.....	6	St. John, N.B.	Schooner ...	82 St. John, N.B., to Moosepaic, N.N.W. 8 miles.	Loss of sails.	Stress of weather.	do	600
Nov. 18 Ocean Gem....	20	Port Hawkesbury, C.B.	do	51 Cape Canso to Halifax, N.S.	Stranded	Show storm.....	Total ...	1,600 cargo
May 17 Ocean Phantom.	19	Liverpool	G.B. Ship..	689 Liverpool to St. Anne des Monts.	do	Fog.....	do	16,000
Jan. 26 P. Blake	9	Parraboro', N.S.	Schooner ...	83 St. John, N.B., to Digby Harbour, N.S.	Collision	Stress of weather.	Partial..	200 cargo

STATEMENT OF Wrecks and Casualties to Sea-going Vessels — Continued.

Date of Casualty.	Name of Vessel.	Tons	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. — Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost	Total or Partial Loss.	Amount.
Jan. 20	Promenada	8	Windsor, N.S.	Schooner	93	Sugna, W.I., to Halifax, N.S.	Hal-Gulf Stream	Loss of sails.	Stress of weather.	.....	Partial	\$ 500
do	Prairie Bird	11	do	do	128	Havana to Halifax, N.S.	Lat. 40° N.; Lon. 68° 25' W.	do	do	.....	do	4,000
Feb. 21	P. Blake	9	Parrsbor', N.S.	do	83	St. John, N.B., to Cardenas.	Digby Harbour, N.S.	Stranded	do	.....	Total	1,500 cargo
April 20	Promenada	8	Windsor, N.S.	do	93	Bermuda to Halifax, N.S.	Lat. 38° N.; Lon. 60° W.	Sprung a plank & lost sails	do	.....	Partial	1,400
May 12	Progress	5	Quebec	Steamer	267	Quebec to Bic Island	S.W. point Hare Island.	Stranded	Error of compass.	.....	do	1,000
June 24	Perseverance	30	South Shields	Barque	552	Quebec to Sunderland.	Amherst Island, Magdalen island's	Stranded	Waterlogged .....	.....	Total	20,000 cargo
May 25	Pomona	12	Glasgow	Ship	1199	Dundee to Montreal.	Lat. 46° 42' N., Lon. 59° 18' W.	Collision	Fog .....	.....	Partial	12,500
June 19	Playfair	2	Windsor, N.S.	Schooner	114	Newport, R.I., to Halifax, N.S.	Lat. 40° 30' N., Lon. 68° 50' W.	do	With the S.S. "Bristol."	.....	do	766
July 13	Polino	9	Sunderland	Steamer	524	Montreal to Sydney, C.B.	St. Paul's Island, Gulf St. Law.	Stranded	Dense fog .....	.....	Trifling	
Aug. 11	Prince Louis	6	St. John, N.B.	Ship	1329	Liverpool to New York.	During the voyage	Loss of top masts and sails.	Stress of weather.	.....	Partial	2,000
Oct. 13	Pohono	7	Sydney, C.B.	Barque	441	Not known	Sandy Key, Bahamas.	Stranded	Unknown .....	.....	Total	13,500

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
May 10	Ranger	12	St. John, N.B.	Schooner.....	69	St. John, N.B., to Fredericton.	1/2 mile from Manager's Island.	Collision.....	Error of judgment.	.....	Total.....	\$ 2,500 cargo 2,500
April 20	Rozella Smith.	6	Windsor, N.S.	Brigantine...	508	New York to Rouen.	Near Scilly Island, G.B.	do	Collision with "Gallert."	.....	Partial.	5,000
do ...	Ruth Palmer...	4	Dorchester, N.B.	Barque.....	934	Halifax to Baltimore.	During the voyage	do	Fog.....	.....	do ...	140
May 9	Robert A. Chapman.	5	do ...	do	982	At New York.....	New York	do	Collision with Snow.	.....	do ...	500
do ...	Rival	23	Liverpool, N.S.	Schooner.....	74	Liverpool, N.S., to Coffin Island.	Coffin Island, N.S.	Stranded....	Error of judgment.	.....	do ...	200 cargo 300
Aug 14	Rowena	7	Charlottetown, P.E.I.	Brigantine...	199	Swansea, G.B., to Cascumpec, P.E.I.	East Point Reef, P.E.I.	do	do .....	.....	.....	Trifling.
Oct. 14	R. Munn	9	do ...	Schooner ...	26	Charlottetown to Pictou, N.S.	Toney River, N.S.	do	Chains parted.	.....	Partial..	400
Dec. 4	Rothsny,	11	St. John, N.B.	do	60	St. John, N.B., to Joggins, N.S.	Misape Bay, N.B. ...	do	Loss of rudder	.....	Total.....	1,000
Jan. 5	Sissiboo.....	1	Weymouth, N.S.	Schooner.....	173	St. Domingo to Boston, U.S.	Lat. 37° N., Lon. 70° W.	Abandoned..	Stress of weather.	.....	Total.....	8,000
do 19	Snow Bird	10	St. John, N.B.	do ...	99	Hoboken to St. John, N.B.	Chatham Bar, Mass.	Stranded....	do .....	.....	do ...	3,000 cargo 469
Feb. 3	Sea Bird	3	Digby, N.S.	do ...	75	Bear River, N.S., to St. Kitts, W.I.	Lat. 37° 20' N., Lon. 61° 10' W.	Dismasted ...	Fore stay parted.	.....	do ...	3,500 cargo 1,150

Date	Ship Name	Origin	Destination	Loss of bow-sprit	Stress of weather	Partial	Value
Jan. 17	Sea Crest	St. John, N.B.	Barque	669 Havre to New York	During the voyage	Loss of bow-sprit	180
Feb. 19	Staghound	Liverpool, G.B.	do	972 Esquimaux to Burrard Inlet	Entrance to Burrard Inlet	Stranded	70
do	Susie Prescott	St. John, N.B.	Schooner	99 St. John, N.B., to Buckle Island, Me. New York	do	Dragged anchor	Trifling
Unkn'n.	Selina E.	Annapolis, N.S.	do	42 Bear River, N.S., to Barbadoes	Lat. 39° N, Lon. 67° 30' W.	Capsized	3,000 cargo 600
Jan. 16	Silas H. Morse	Amherst, N.S.	do	114 Ardrossan to Cardenas	Atlantic Ocean	Loss of sails	2,000
Unkn'n.	S. T. A. Frost	Yarmouth, N.S.	do	102 Ponce, P.R., to Yarmouth, N.S.	Not known	Missing	7 Total 4,000 cargo 4,500
Feb.	Syringa	St. John, N.B.	Barque	604 New York to Rouen, France	During the voyage	Loss of yards and sails	1,000
Mar. 4	Summerville	Liverpool, N.S.	Schooner	129 Cienfuegos to Delaware Breakwater	Not known	Loss of spars and rudder	2,000
May 15	Shakespeare	Norwegian	Barque	636 Hull, G.B., to Quebec	Off Bellechasse, Riv. St. Lawrence	Collision with ship "Quoin"	202
do	Silas Alward	St. John, N.B.	Brigantine	219 Cardenas to Boston	Lat. 32° 39' N, Lon. 79° 13' W.	Abandoned	7,000
July 12	State of Virginia	Glasgow	Steamer	2473 New York to Glasgow	Sable Island	Stranded	225,000 cargo 400,000
Feb. 14	S. D. James	St. John, N.B.	Schooner	51 Halifax, N.S., to Portland, Me.	Gulf Stream	Not known	3,000
April 14	Scots Bay	Windsor, N.S.	Barque	992 Falmouth, G.B., to Dunkirk, France	Lat. 49° N, Lon. 7° W.	Damaged by sea	10,200
July 21	St. Barnards	Yarmouth, N.S.	Ship	1561 New York to Antwerp	W. Cappella Bank, near Flushing	Stranded	45,000 cargo 75,000
Oct. 1	St. Peter	Montreal	Tug	29 Employed in Montreal Harbour	Mon. Montreal	Collision	200
Sept. 11	St. Andrew	St. John, N.B.	Barque	782 New York to Dunkirk	During the voyage	Cargo shifted	300 cargo 100

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from.— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Oct. 29	Sir John A.....		new Guysboro', N.S.	Schooner.....	25	Guysboro', N.S.	At Guysboro'	Stranded.....	Stress of weather.	.....	Partial.	\$ 400
Aug. 15	Sirian Star.....	14	Yarmouth, N.S.	Barque.....	610	Yarmouth, G.R., to Delaware Break-water.	Lat. 42° N.; Lon. 68° W.	Loss of sails	do	.....	do	880
Nov. 11	Sultan.....	27	St. John, N.B.	Steamer.....	11	Charlottetown to Wallace, N.S.	5 miles N. of Malaga Point, N.S.	Foundered...	do	.....	Total....	8,000
Oct. 4	St. Croix.....	.....	Quebec.....	do	130	St. Croix to Quebec.	St. Nicholas, River St. Lawrence.	Burnt.....	Fire .....	.....	do	6,000 cargo 1,000
do	Snipe.....	10	Arichat, C.B.	Schooner.....	53	North Sydney to Halifax, N.S.	Petite de Grat, N.S.	Stranded.....	Stress of weather.	.....	do	1,200 cargo
do	Sorata.....	3	Picou, N.S.	3-masted Schooner..	360	Hawkesbury to Fall River.	Bear Island, N.S.	do	do	.....	Partial..	6,000 cargo 500
Nov. 13	Sea Breeze.....	1	Digby, N.S.	Brigantine...	189	Sydney, C.B., to Digby, N.S.	Bell Rock, Halifax Harbour.	do	Error of judgment.	.....	do	1,500
Oct. 27	Sparkling Wave.	2	Port Medway N.S.	Schooner.....	38	Louisburg to Halifax	Gunning R'ks near Louisburg, C.B.	do	Fog .....	.....	Total....	2,200 cargo 100
do	St. Louis.....	4	Quebec.....	Brigantine...	195	Glasgow to Trinidad	Ballycotton, Ireland.	Irre-Foundered...	Sprung a leak	.....	do	13,000
do	Squaw .....	.....	Not registered	Sloop.....	28	Rimouski, P.Q., to Cork Cove, P.Q.	Cork Cove.....	Stranded.....	Stress of weather.	.....	do	200 cargo 50
do	Silas H. Morse.	2	Amherst, N.S.	Schooner.....	114	Penguin Island, Labrador, to Waterford	Narrows, Penguin Harbour.	do	Fog known.....	.....	do	5,000 cargo 1,000

Date	Ship	Origin	Destination	Incident	Result	Loss	Notes
Feb. 17	Yildi Figlia	Italian	Barque	Fire in provi- sion room	do	30,000 cargo	15,000
March 7	Turkish Em- pire	London	Ship	Vessel on beam ends	7	30,000 cargo	10,221
March 15	Teal	St. John, N.B.	Schooner	Error of judg- ment	Partial	Trifling	
Jan. 31	Traveller	Yarmouth, N.S.	Barque	Cut by ice	do	900 cargo	400
Various	Thiova	Pictou, N.S.	Ship	Stress of wea- ther	do	290	
May 22	Thistle	Halifax, N.S.	Schooner	Stranded	Trifling		
June 4	Trenton	Christiane, Norway	Ship	Collision	do	Not known	
Jan. 13	Tancook	Yarmouth, N.S.	Barque	do	Partial	10,000	
Aug. 9	Two Brothers	Halifax, N.S.	Schooner	Stranded	do	Not known	
Aug. ...	Two Sisters	Arichat, C.B.	do	Calm and heavy swell	Total	1,000 cargo	200
May 1	Unity	Chatham, N.B.	Barque	Collision	Partial	2,000	
Jan. 27	Volant	Montreal	Schooner	Fog	do	1,300 cargo	2,000
April 6	Village Bell	St. John, N.B.	do	Calm and cur- rent	do	100	
Feb. 3	Vandiemens	Yarmouth, N.S.	Ship	Collision	18 Total	52,000	
Nov. 4	Violet	St. John, N.B.	Schooner	Stress of wea- ther	do	400 cargo	500

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. ——— Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Losses.	Amount.
Sept.	7 Victory	24	Newcastle, G. B. Ship.	.....	752	London to Quebec ...	Green Island, River St. Lawrence.	Collision	Mistayed .....	.....	Partial ..	Not known.
Oct.	29 Venus	7	Miramichi	Schooner.	...	18 Pilot Schooner cruising.	Niquat, N. B.	Stranded	Stress of weather.	.....	Total ..	800
do	29 Velocity	36	Halifax, N.S.	do	...	Charlottetown Richibucto.	Buctouche, N.B.	do	do	.....	do	300
do	29 Volunteer	18	do	do	...	Sydney, C. E., Halifax, N.S.	do	do	do	.....	do	100
Jan.	1 Wellington	13	Windsor, N.S. Ship.	.....	1005	London to New York	Off Sandy Hook ...	Loss of spars and sails.	Stress of weather.	.....	Partial ..	150
do	19 Washington Libbey.	23	American	do	...	Nanaimo, B. C., to San Francisco.	60 miles south-west of Cape Flattery	Sprung a leak.	do	.....	do	Not known.
do	15 Wesley and Seymour.	8	Parrsboro', N.S.	Brigantine	357	Charleston to Dublin	Lat. 49° 44' N., Lon. 16° 27' W.	Foundered ...	Sprung a leak.	.....	Total ..	6,000
Various.	William	3	Charlottetown P. E. I.	do	...	Georgetown, P. E. I., to Queenstown.	Coast of Ireland ...	Loss of spars and sails.	Stress of weather.	.....	Partial ..	14,090
Feb.	19 Wapiti	6	Shelburne, N.S.	do	...	Inagna, W. I., Halifax, N.S.	During the voyage	Rudder case started.	do	.....	do	1,200
Mar.	19 Wide Awake	6	Yarmouth, N.S.	Schooner	...	Martinique to Yarmouth.	Chebogue Ledge, N.S.	Stranded	Fog .....	.....	do	300
April 11	Wily	2	Lunenburg, N.S.	do	...	Mahone Bay to Lunenburg.	Cross Island, N.S.	do	Snow storm .....	.....	do	500 cargo 100

Month	Ship Name	Origin	Destination	Company	Incident	Loss	Notes
May 19	White Crest	26 London	1061 Shields to Quebec	St. Michael's Shoal R. St. Lawrence	do	do	Partial. Unknown.
July 21	Wm. Jenkins	6 Yarmouth, N.S.	120 Yarmouth, N.S., to Antigua, W.I.	Gannet Rk Ledge, Tusket Island.	do	Fog	do ... 2,200 cargo 5,000
Aug. 4	William G. Putman	17 Liverpool, G.B.	771 Quebec to Marseilles.	Off Cape Egmont, C.B.	Sprung a leak.	Stress of weather.	Total... 15,000
July 16	W. T. Harward	7 Yarmouth, N.S.	667 Baltimore to Londerry.	Lon-Tory Island	Stranded	Fog	Partial... 4,000
Sept. ...	Whitehall	14 Parraboro' N.S.	422 Kempt, N.S., to New York.	Off Boston, Mass.	Sprung a leak.	Stress of weather.	do ... 600
do 27	Westminster	12 Quebec	1435 Quebec to Bristol	Traverse, River St. Lawrence.	Stranded	Error of judgment.	do ... Not known.
May 4	Zinga	2 Charlottetown, P.E.I.	298 Liverpool, G.B., to Charlottetown.	Cape Hogan, C.B.	do	Fog	do ... do
Mar. 13	Ziba	5 Liverpool, N.S.	425 Buenos Ayres to Natal.	Natal Bar, C.G.H.	do	Not known	Total... 16,000
Oct. 29	Zambezie	18 Shelburne, N.S.	30 Canso to Charlotte town.	Miller's Cove, N.S.	do	Stress of weather.	Partial... 50
Sept. 11	Zulu	new Barrington, N.S.	145 West Indies to Halifax.	Horse Shoe Shoal, Halifax.	do	Error of judgment.	do ... 260

APPENDIX No. 4.

STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada, from the 1st January, 1879, to the 31st December, 1879.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Oct. 4	Alexander	14	Montreal	Steamer	57	Chatham, Ont., to Detroit, U.S.	4 miles from Belle River, Lake St. Clair.	Burnt	Supposed bursting of a lamp.	.....	Total	\$ 500 cargo 600
Sept. 21	Albion	3	St. Catharines, Ont.	do	250	Toledo, U.S., to Montreal.	Lachine, P.Q.	Stranded	Passed too close to No. 1 Light Vessel.	.....	Partial	1,200 cargo 5,000
Nov. 5	Argo	9	Port Dover, Ont.	Schooner	118	Saugeen, Ont., to Detroit, U.S.	Near Chantry Island.	do	Steering gear out of order.	.....	do	.....
Oct. 22	Arabia	25	Montreal	Barque	309	Chicago to Kingston, Ont.	Off Hammond's Bay, Lake Huron	Dismasted	Stress of weather.	.....	do	5,500 cargo 200
Aug. 12	Bismarck	8	Kingston, Ont.	Schooner	302	Garden Island to Toledo, U.S.	Near Presqu'Isle, Ont.	Collis'n with S.S. Persia	Error of judgment.	.....	do	300
June 3	Corisande	6	Port Hope, Ont.	Barge	287	Chicago, U.S., to Collingwood.	Near Collingwood Breakwater.	Stranded	do	.....	do	150
Sept. 25	Christina Neilson.	7	Chicago, U.S.	Schooner	311	Collingwood to Alpinia, U.S.	6 miles E.S.E. from Cape Rich, Lake Huron.	Collision	do	.....	do	600
Aug. 18	City of St. Catharines.	5	St. Catharines, Ont.	Steamer	516	Montreal to Chicago.	North Shore Reef, Lachine, P.Q.	Stranded	do	.....	do	.....

July 26 City of Toronto.	To-15 Niagara, Ont.	do	512 Toronto to Niagara..Niagara River.....	do	Fog.....	do	535
Sept. 15 D	11 Montreal.....	Barge.....	196 Kingston to Montreal Dickinson's Land- ing.	do	Obstruction at mouth Cor- wall Canal.	do	75
Oct. 9 Dominion	11 St. Catharines, Ont.	Steamer.....	316 Montreal to Toronto, False Ducks, Lake Ontario.	do	Fog.....	do	.....
do	2 Dromedary.....	do	358 Montreal to Detroit, Welland Canal... U.S.	do	Bad steering..	do	612
Aug. 14 E. Hall.....	15 Darlington, Ont.	Schooner....	108 Sodus, U.S., to Gan- Lake Ontario..... anoque, Ont.	Foundered..	Stress of wea- ther.	Total....	2,800 cargo 700
Nov. 22 Ed. Blake.....	7 Port Burwell..	do	328 Kingston, Ont., to Presqui'sle Bay, Chicago, U.S. Ont.	Stranded.....	Stippe l an- chors.	Partial..	12,000 cargo 3,000
Oct. 24 Henry Rooney	10 Kingston, Ont.	Brigantine...	294 Kingston, Ont., to 2 1/2 miles from Char- lotte, U.S.	Foundered....	Stress of wea- ther.	Total....	9,000
May 7 Jane McLeod..	10 St. Catharines, Ont.	Schooner....	218 At Collingwood, Ont. Collingwood.....	Collision with "Read Case."	Not known	Partial.	150
Aug. 14 J. W. Steinboff	5 Chatham, Ont.	Steamer.....	208 At Detroit, U.S.....	Burnt.....	do	do	2,000
do	25 Jessie Drummond.	15 Montreal.....	291 Amherstburg to Port Off Pelée Island, Colborne. Lake Erie.	Collision with "Hel- vetia."	Error of judg- ment.	do	4,000
Oct. 9 John Bright..	10 do	Steamer.....	30 At Belleville.....	Burnt.....	Not known.....	Total....	6,000
Aug. 18 Kitty Friel.....	10 Kingston, Ont.	do	58 Ottawa to Kingston.. Rideau Canal.....	do	Spark from funnel.	do	2,500 cargo 800
June 3 Lothair.....	7 Port Hope, Ont	do	280 Chicago to Colling- Collingwood Breakwater. wood.	Stranded....	Error of judg- ment.	Partial.	200
Sept. 15 Lion.....	16 Montreal.....	Barge.....	203 Kingston to Montreal Dickinson's Land- ing, River St. Lawrence.	do	Cornwall Ca- nal obstruct- ed by barges	do	73 cargo 1,600
do	15 Mountaineer...	6 Owen Sound, Ont.	43 Collingwood to Owen 1/4 mile S.E. of Pres- qu'Isle. Sound.	Collision with "Jane Miller."	Not known....	do	50

STATEMENT OF WRECKS and Casualties reported as has having occurred on the Inland Waters of Canada—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
July 20	Magnet.....	32	Montreal.	Steamer.....	586	At Kingston.....	Kingston	Collision.....	Disobedience of 2nd Engineer.	.....	Partial.....	\$
Sept. ...	Manzanilla	6	St. Catharines, Ont.	Schooner	370	Kingston to Port Dalhousie.	Amherst Island	Stranded.....	Stress of weather.	.....	do	4,600
do	Manitoba.....	4	Winnipeg, Man.	Steamer	191	Emerson to Winnipeg.	Red River	do	Boulders.....	.....	do	3,500
Nov. 20	Maggie .....	.....	Toledo, U.S.	Schooner	45	Toledo to Detroit.....	Near River Thames Lighthouse, Ont.	do	Out by ice .....	.....	do	180
Sept. ...	Niagara.....	2	St. Catharines	Steamer	273	Toledo to Montreal.....	Near Light Vessel No. 1, Lachine Canal.	Stranded	Not known.....	.....	do .....	.....
Oct. 20	Northern Belle	11	Collingwood, Ont.	do	219	Spanish River to Sault St. Marie.	1/2 mile south of John Island.	Partially burnt.	Sparks from stovepipe.	.....	do	150
S.p.t. 29	Ontario.....	9	Hamilton, Ont.	do	27	Wallaceburg to Port Lambton.	Port Lambton, Ont.	Burnt.....	Carelessness.....	.....	do	1,000
Aug. 13	Persia.....	7	St. Catharines, Ont.	do	499	Port Dalhousie to Montreal.	Off Presqu' Isle, Ont.	Collision.....	Darkness.....	.....	do	3,600
Sept. ...	Prince Alfred..	.....	Kingston, Ont.	Schooner.....	265	Owen Sound to Sarnia.	Indian Queen shoal Georgian Bay.	Stranded.....	Stress of weather.	.....	do	1,500 cargo 200
Oct. 25	Prince Edward	12	Picton, Ont.	do	123	Thessalon to River Kincairdine.	Cockburn Island, Georgian Bay.	do	Shift of wind.....	.....	Total.....	3,600
Nov. 20	Pluta.....	9	Hamilton, Ont.	do	36	Oakville to Toronto.	5 miles S.W. from Oakville.	Foundered.....	do .....	.....	do	400 cargo 40

APPENDIX No. 5.

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred to British, Canadian and Foreign Sea-going Vessels during the Calendar Year of 1878.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
1878.												
Dec. 31	Anna Lora.....	6	Halifax, N.S.	Schooner	53	Whithead, N.S., to Halifax, N.S.	Liscomb Point, N.S.	Stranded.	Error of judgment.	.....	Total....	\$ 2,200 cargo 400
do	Atlanta	new	Brigus, Nfld.	Brigantine	143	Harbour Grace to Boston, U.S.	Coast of Nova Scotia.	Badly strained.	Stress of weather.	.....	Partial..	900 cargo 1,500
do	Albert L.....	4	Halifax, N.S.	Schooner	109	Cow Bay, N.S., to Mary's River, N.S.	Bar, St. Mary's Riv.	Stranded.	Error of judgment.	.....	do ...	400
.....	Alpheus Marshall.	7	Digby, N.S.	Barque	822	Bremen to New York	Atlantic Ocean.	Loss of sails.	Stress of weather.	.....	.....	Not known.
Dec. 26	Ann Amelia....	2	Halifax, N.S.	Schooner	91	New York to St. Pierre, Miquelon.	Nantucket Island.	Stranded.	Snow storm.	.....	.....	do
do	Black Bird....	11	St. John, N.B.	do	77	Canning, N.S., to New York.	Near Townsend, U.S.	do	Stress of weather.	.....	Partial..	Trifling.
Nov. 12	Busiris.....	4	do	do	248	Alberrysaith to Bos- ton, U.S.	Lat. 48° 30' N.; Lon. 12° W.	Damaged at sea.	do	.....	do ..	3,000
Dec. 31	Blue Jacket....	4	Shelburne, N.S.	do	93	Turk's Island to Lockeport, N.S.	Lat. 37° 31' N.; Lon. 63° 54' W.	Burnt.	Unknown.	.....	Total....	6,000 cargo 300
do	Bell Kieth....	3	Windsor, N.S.	do	434	Port Natal, Brazil, to New York.	11 miles S.S.W. of Cape Hatteras.	Stranded.	Stress of weather.	.....	do ...	20,000
Nov. 22	Ching Yang ...	3	St. John, N.B.	Barque	561	New York to South- ampton, G.B.	Warden Ledge, Isle of Wight.	do	Error of judgment.	.....	Partial..	13,380 cargo 1,355

.....	C. R. Burgess.	4 Windsor, N.S., Brigantine ..	480 Boston, U.S., to Gloucester, G.B.	to Unknown.....	Missing	Unknown.....	10 Total.....	18,000 cargo 20,000
Dec. 22	Charlie Bell...	6 St. John, N.B., Schooner....	105 New York to St. John, N.B.	Thrum Cap' island, U.S.	Stranded.....	Stress of weather.	do ...	3,000 cargo 3,500
do	24 County of Picton.	13 Picton, N.S.....	683 Barrow-in-Furness to United States.	Lat. 48° N.; Lon. 19° W.	Abandoned..	do ...	do ...	24,000
do	28 Chili	10 Yarmouth, N.S. Barque	619 Baltimore to Reche-fort.	Lat. 39° 30' N.; Lon. 60° 30' W.	do ...	do ...	do ...	15,000
Nov. 12	Critic.....	new Jersey	96 St Anne des Monts, P.Q., to Jersey.	Entrance to St. Ann's Harbour.	Stranded.....	do ...	Partial..	Trifling.
Nov.....	County of Richmond.	3 Arichat, C.B.....	411 Dublin to New York	During the voyage	Loss of spars and sails.	do ...	do ...	600
March....	County of Richmond.	3 do ...	411 Rio Janeiro	Rio Janeiro Harbour.	Collision	Not known.....	do ...	600
Dec. 24	Chas. E. Scam-mell.	7 St. John, N.B., Schooner....	251 Ardrossan to Cien-fuegos.	Lat. 48° N.; Lon. 13° W.	Damaged by sea.	Stress of weather.	do ...	500
Unkn'n.	D. R. Eaton....	1 Windsor, N.S., Ship.....	1553 New York to Antwerp.	Unknown.....	Foundered ..	Unknown.....	Total ...	60,000
Nov. 31	D. H. Morris....	2 do ...	1197 Liverpool, G.B., to Philadelphia.	St. Georges Channel.	Sprung a leak.	Stress of weather.	Partial..	8,000
Oct. 12	Edith Troop...	6 St. John, N.B., do	1232 New York to Antwerp	Off St. George's Shoal.	do ...	do ...	Partial.	3,000 cargo 2,000
do ...	Enigma.....	8 do ...	649 Antwerp to New York.	During the voyage	Loss of top masts.	do ...	do ...	30
Dec. 3	Ellen	13 do ...	120 St. John, N.B., to New Haven.	Little River, Me., U.S.	Stranded.....	Parted chains.....	do ...	400
do	Florence B. Parr.	1 Yarmouth, N.S. do	96 Charlottetown to New York.	Hell Gate, N.Y	Loss of spars	Sudden squall	do ...	750
do	Goldfinder	12 Windsor, N.S., Brigantine....	145 Inagua, W.I., to Boston.	Lat. 33° N.; Lon. 75° W.	Split sails and loss of boats.	Hurricane	do ...	200 cargo 1,000
do	Glendora.....	27 Arichat, C.B., Schooner	42 Arichat to Halifax, N.S.	Near Cape Canso.	Stranded.....	Error of judgment.	Total ...	600 cargo 2,400

SUPPLEMENT to the Statement of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Nov. 22	Guiding Star.	25	St. John, N.B.	Schooner	56	St. John, N.B., to Rockland, Me.	Crowell Beach, West Quoddy.	Stranded	Stress of weather.	.....	Partial.	\$ 200
Oct. 6	G. P. Paysant.	9	Swansea, G.B.	Barque	612	St. John, N.B., to Dublin.	S.E. end Navy Island, N.B.	do	Calm	.....	do	.....
do	Glen	4	Gaspé, P.Q.	Schooner	55	Gaspé to Mount Louis.	Mount Louis Bay	do	Stress of weather.	.....	do	500
Dec. 22	Gladiator	14	Yarmouth, N.S.	do	124	Yarmouth to Church Point.	Gilbert's Cove, N.S.	do	do	.....	do	1,500
Nov. 10	Herbert J. Olive.	6	St. John, N.B.	Brigantine	315	Cardiff to Cienfuegos.	Off Canary Islands	Loss of spars and sails.	Stress of weather.	.....	do	3,000
Oct. 4	Henry Trial	new	Halifax, N.S.	Schooner	49	Baltimore to Thomas, W.J.	St. 120 miles S.E. of Cape Hatteras.	Dismasted & waterlogged	do	.....	do	Not known.
June 9	Harriet	15	Arichat, C.B.	do	57	Lingan, C.B., to Halifax, N.S.	Caplin Cove Point, C.B.	Stranded	do	.....	Total	£00
Nov. 10	Impudence	15	St. John, N.B.	do	125	St. John, N.B., to Boston.	South 2 miles from Townsend Light	Collision	Fog	.....	Partial	Not known.
do	J. F. Chandler	3	Parrsboro, N.S.	do	156	Cornwallis, N.S., to New York.	Long Island Sound	Loss of sails.	Stress of weather.	.....	do	250
Not kn.	John Snow	22	Amberst, N.S.	do	97	Shulee, N.S., to New York.	Unknown	Missing	Unknown	.....	Total	600
Nov. 3	Janet S.	10	St. John, N.B.	do	88	St. John, N.B., to New York.	Mott's Point, New London, U.S.	Stranded	Stress of weather.	.....	Partial	300 cargo 500

Sept. 19, Jean	7 Halifax, N.S. 'Brigantine...	181, Cape Town to Mussel Mouth of Salt River to Cape of Good Hope.	do	do	Total...	11,000 c'go 80,000
Nov. 17 J. E. Woodworth.	do	428 Kingsport to Falkland Islands.	do	Abandoned..	do	13,000
Oct. 7 King Cerdic	St. John, N.B. Ship.	1297 Newport, G. B., to During the voyage. Adelaide	Damaged by sea & loss of boats.	Stress of weather.	Partial.	Not known.
Dec. 17 Kate Irvine	1 Chatham, N.B. Barque	710 Liverpool to Sayn-Nassau Bar.	Stranded....	Error of judgment.	do	5,000 cargo 2,800
Oct. 30 Louisiana	13 Halifax, N.S. Schooner	82 Main & Dieu, to Big Glace Bay.	do	Fog & stress of weather.	Total...	800
Dec. 23 Leader	21 Charlottetown P.E.I.	20 Hawkesbury to Antigonish.	do	Snow storm....	Partial.	300 cargo 400
Oct. 21 Lizzie Dakers	8 St. John, N.B. do	121 Havana to New York.	do	Stress of weather.	Total...	4,000
Dec. 18 Lizzie Ross	5 Windsor, N.S. Ship	1150 Antwerp to Philadelphia.	Loss of sails.	do	Partial.	250
Oct. 31 L. de V. Chepman.	2 St. John, Nfld. Barque	496 Falmouth, G. B., to Charlottetown, P.E.I.	Stranded....	Fog.....	do	Not known.
Dec. 31 La Plata	7 St. John, N.B. Brig	463 New York to Bordeaux.	Abandoned..	Sprung a leak.	Total....	16,000 cargo 15,000
do 15 Moero	2 Yarmouth, N.S. Schooner	83 Yarmouth, N.S., to St. Kitts, W.I.	do	Stress of weather.	do	3,500
Nov. 13 Mermoid	19 Gaspé, P.Q.	46 Fox River to Magdalen Islands.	Stranded....	do	Partial..	500 cargo 400
Dec. 17 Minnehaha	14 Yarmouth, N.S. Brig	244 Pascaqua to Nantes.	Sprung a leak.	do	Total....	5,000 cargo 2,300
do 10 Mary Fraser	4 Windsor, N.S. Ship	1174 Yokohama, Japan, to Semarakie, Japan.	Stranded....	Fault of Pilot.	Partial..	4,000
do 21 Nimbus	1 Gloucester, U.S. Schooner	60 Shelburne, on a fishing voyage.	do	Stress of weather.	Total....	3,000

SUPPLEMENT to the Statement of Wrecks and Casualties to Sea-going Vessels—Continued.

Date of Casualty.	Name of Vessel.	Tons.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
1878.	Neillie Jones	5	Weymouth, N.S.	Brigantine	271	St. John, N. B., to Ireland.	Unknown	Foundered	Unknown	8	Total	\$ 11,000
Dec. 12	Ocean Gem	25	Quebec	Barque	324	Manilla to New York	Lat. 12° 55' S; Lon. 89° 46' E.	Dismasted	Cyclone	do	do	15,000
Oct. 16	Penguin	new	Digby, N.S.	Schooner	77	New Handon, N. B., to Boston.	1 mile west of New Handon break-water.	Stranded	Stress of weather	do	do	3,000
Dec. 22	Pioneer	do	Charlottetown P. E. I.	do	112	Halifax to Boston	Oven's Reef, N.S.	do	Snow storm	do	do	5,000 cargo 2,300
Aug. 3	Quebec	15	Liverpool, G. B.	Steamer	1403	Liverpool to Quebec.	St. Mary's Reef, Straits of Belle Isle.	do	Dense fog	do	Partial	Not known.
Nov. 7	Ruby	15	Quebec	Barque	551	At Quebec	Quebec Harbour	Sprung a leak.	Bow port	do	do	do
Oct. 9	St. Patrick	7	St. John, N. B.	do	717	Rotterdam to New York.	During the voyage.	Loss of spars and sails.	Stress of weather	do	do	500
Dec. 21	Susan Jane	26	St. Andrews, N. B.	Schooner	51	Yarmouth, N.S., to St. George, N. B.	Green's Point, Back Bay, N. B.	Stranded	Snow storm	2	Total	1,400 cargo 400
Oct. 30	Silver Stream	1	Halifax, N.S.	Schooner	35	P. E. Island to Halifax, N.S.	Cape Porcupine, Gut of Canso.	Stranded	Error of judgment	do	Partial	Not known.
Dec. 24	Swan	20	Lunenburg, N.S.	do	46	Oape Canso to Halifax, N.S.	St. Andrews Channel, N.S.	do	Loss of rudder	Total	Total	600 cargo 3,000
Oct. 19	Solaro	7	Charlottetown P. E. I.	Brigantine	220	New York to Pernambuco.	Lat. 45° N., Lon. 35° W.	Loss of sails	Stress of weather	do	Partial	200

Dec. 23	Servia	1	Winn	S. Ship.....	1312	New York to London/Of Little Island, Long, en Sound.	Gulf Str'k a sunk-Sunken wreck.....	do ...	15,000
Aug. 9	Utopia.....	.....	St. Andrews, N.B.	Steamer.....	17	St. Andrews, N.B., Pt. George, N.B. to St. George, N.B.	Burnt.....	do ...	3,000
Dec. 23	Venice.....	4	St. John, N.B.	Barquentine.	624	Queenstown to St. John, N.B.	Maxwell's Point, Stranded.....	do ...	10,000
.....	Vigilant.....	1	Charlottetown P.E.I.	do	399	Baltimore to Oporto.	Unknown.....	Total....	16,000
Dec. 30	Welcome Home.	15	St John, N.B.	Schooner....	707	Inagua, W.I., Baltimore.	Lat. 31° 34' N., Lon 66° 33' W.	do ...	2,500
Oct. 19	Westfield.....	16	do	Ship.....	1095	Plymouth to New York.	Lat. 31° 30' N., Lon. 50° 0' W.	do ...	35,000
do	W. J. Nelson..	2	Lunenburg, N.S.	Schooner....	95	Bridgewater, N.S., Barbadoes.	to Gulf Stream	do ...	2,500 cargo 500
Dec. 4	Wilhelmine.....	24	Quebec	Barque.....	664	Antwerp to Philadelphia.	Phila-Little Egg Island.. Stranded.....	do ...	17,000

APPENDIX No. 6.

SUPPLEMENT to the Statement of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada, during the Calendar Year ended 31st December, 1878.

Date of Casualty.	Name of Vessel.	Age.	Port of Registry.	Rig.	Register Tonnage.	Port sailed from. Port bound to.	Place where Casualty happened.	Nature of Casualty.	Cause of Casualty.	Lives Lost.	Total or Partial Loss.	Amount.
Sept. 13	Bismarck.....	10	Toronto.....	Schooner.....	75	At Port Credit, Ont., Ont.	Near Port Credit	Stranded.....	Parted moorings.	.....	Total....	\$ 300
do 19	Cantin.....	3	Montreal.....	Steamer.....	50	Montreal to Lachine.	Isle Perrot, River St. Lawrence....	Burnt.....	Not known.....	.....	do ...	12,000
Oct. 27	J. N. Carter...	3	Picton, Ont....	Schooner.....	187	Oswego, U.S., Medford, Ont.	to Medford, Ont.....	do	do .....	.....	Partial..	800
.....	Kate Eccles....	2	Napanee, Ont.	do	121	Oswego, U.S., Wolfe Island.	to Wolfe Island, Ont.	Stranded.....	Parted chains.....	.....	do ..	75
Sept. 13	Sunshine	19	Toronto, Ont..	do	34	Port Credit, Ont.....	At Port Credit.....	do	do .....	.....	Total....	500

APPENDIX No. 7.

REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF
 MASTERS AND MATES FOR THE CALENDAR YEAR
 ENDED 31st DECEMBER, 1879.

HALIFAX, N.S., 1st January, 1880.

SIR,—I have the honour to submit the following Report of the proceedings of the Board of Examiners of Masters and Mates for the year ending the 31st December, 1879.

The Board met, for the examination of Candidates, at the Ports of Halifax, N.S., St. John, N.B., Yarmouth, N.S., Quebec and Charlottetown, P.E.I., as follows:—

At St. John, N.B., on the 14th and 15th January.

Masters who obtained Certificates.....	3
Mates do do	Nil.

One Candidate for the grade of Master and one for that of Mate having failed in Navigation.

At Halifax, N.S., on the 23rd and 24th January.

Masters who obtained Certificates.....	2
Mates do do	Nil.

One Candidate for the grade of Master and one for that of Mate having failed in Navigation.

At Yarmouth, N.S., on the 17th and 18th February.

Masters who obtained Certificates.....	2
Mates do do	3

At St. John, N.B., on the 20th and 21st February.

Masters who obtained Certificates.....	3
Mates do do	1

Two Candidates for the grade of Master having failed in Navigation.

At Yarmouth, N.S., on the 26th and 27th February.

Masters who obtained Certificates.....	2
Mates do do	

At St. John, N.B., on the 20th and 21st March.

Master who obtained a Certificate.....	1
Mate do do	Nil.

Two Candidates for the grade of Master and one for that of Mate having failed in Navigation.

At Yarmouth, N.S., on the 22nd and 24th March.	
Mates who obtained Certificates.....	4
Three Candidates for the grade of Mate having failed in Navigation.	
At Charlottetown, P.E.I., on the 8th and 9th April.	
Master who obtained a Certificate.....	1
Mate do do	1
Three Candidates for the grade of Mate having failed in Navigation.	
At Halifax, N.S., on the 15th and 16th April.	
Mates who obtained Certificates.....	4
At Quebec on the 21st and 22nd April.	
One Mate obtained an ordinary Certificate, and one a Certificate for "Fore and Aft rigged Vessels" only.....	2
Two Candidates for the grade of Mate failed in Navigation.	
At St. John, N.B., on the 3rd and 5th May.	
Master who obtained a Certificate.....	1
Mate do do	1
Three Candidates for the grade of Master having failed in Navigation.	
At Yarmouth, N.S., on the 8th and 9th May.	
Masters who obtained Certificates.....	2
Mates do do	4
One Candidate for the grade of Master having failed in Navigation.	
At Halifax, N.S., on the 13th and 14th May.	
Masters who obtained Certificates.....	3
Mate do do	1
One Candidate for the grade of Mate having failed in Navigation.	
At Charlottetown, P.E.I., on the 16th and 17th May.	
Masters who obtained Certificates.....	Nil.
Mates do do	3
Two Candidates for the grade of Master and three for that of Mate having failed in Navigation.	
At Quebec on the 26th May.	
One Candidate passed for a Mate's ordinary Certificate; one for a Mate's "Fore and Aft" Certificate, and one for the grade of Second Mate.	
At Yarmouth, N.S., on the 3rd and 4th June.	
Masters who obtained Certificates.....	4
Mate do do	1
One Candidate for the grade of Master and one for that of Mate having failed in Navigation.	
At St. John, N.B., on the 5th and 6th June.	
Masters who obtained Certificates.....	6
Mates do do	6
One Candidate for the grade of Master and one for that of Mate having failed in Navigation.	

At Halifax, N.S., on the 13th June.	
Mate who obtained a Certificate.....	1
At Charlottetown, P.E.I., on the 17th and 18th June.	
Masters who obtained Certificates.....	3
Mates do do	2
At Yarmouth, N.S., on the 9th and 10th July.	
Masters who obtained Certificates.....	3
Mates do do	2
At St. John, N.B., on the 11th and 12th July.	
Masters who obtained Certificates.....	4
Mates do do	4
One Candidate for the grade of Master and one for that of Mate having failed in Navigation.	
At Halifax, N.S., on the 16th and 17th July.	
Mates who obtained Certificates.....	3
A Candidate also passed for a Master's Fore and Aft rigged Yacht Certificate.	
At Yarmouth, N.S., on the 11th and 12th August.	
Masters who obtained Certificates.....	2
Mates do do	3
One Candidate for the grade of Master having failed in Navigation.	
At St. John, N.B., on the 14th and 15th August.	
Masters who obtained Certificates	2
Mate do do	1
Second Mates do	3
One candidate for the grade of Mate having failed in Navigation.	
At Halifax, N.S., on the 20th and 21st August.	
Master who obtained a Certificate.....	1
Mates do do	5
At St. John, N.B., on the 11th and 12th September.	
Master who obtained a Certificate	1
Mate do do	1
Two Candidates for the grade of Master having failed in Navigation.	
At Halifax, N.S., on the 16th and 17th September.	
Masters who obtained Certificates.....	4
Mate do do	Nil.
One Candidate for the grade of Mate having failed in Navigation.	
At Yarmouth, N.S., on the 19th and 20th September.	
Master who obtained a Certificate.....	1
Mates do do	3
At St. John, N.B., on the 9th and 10th October.	
Master who obtained a Certificate.....	1
Mate do do	1
One Candidate for the grade of Master having failed in Navigation and one in Seamanship.	

At Charlottetown, P.E.I., on the 15th and 16th October.

Master who obtained a Certificate.....	1
Mate do do	Nil.
One Candidate for the grade of Mate having failed in Seamanship.	

At Halifax, N.S., on the 21st and 22nd October.

Masters who obtained Certificates.....	2
Mates do do	6

At Yarmouth, N.S., on the 30th and 31st October.

Masters who obtained Certificates.....	2
Mate do do	1
Four Candidates for the grade of Master having failed in Navigation.	

At Quebec, on the 8th and 10th November.

Masters who obtained Certificates.....	Nil.
Mates do do	2
Two Candidates for the grade of Master having failed in Navigation.	

At St. John, N.B., on the 12th and 13th November.

Master who obtained a Certificate	1
Mate do do	1
One Candidate for the grade of Master having failed in Seamanship.	

At Halifax, N.S., on the 17th and 18th November.

Master who obtained a Certificate.....	1
Mates do do	2
One Candidate for the grade of Master having failed in Navigation.	

At Yarmouth, N.S., on the 2nd and 3rd December.

Masters who obtained Certificates.....	5
Mate do do	1
Two Candidates for the grade of Master and one for that of Mate having failed in Navigation.	

At St. John, N.B., on the 11th and 12th December.

Masters who obtained Certificates.....	Nil.
Mates do do	3
Second Mate do do	1
One Candidate for the grade of Master having failed in Navigation.	

At Halifax, N.S., on the 16th and 17th December.

Masters who obtained Certificates.....	2
Mate do do	1
One Candidate for the grade of Master and two for that of Mate having failed in Navigation.	

It will therefore be seen that during the year, at the Port of Yarmouth, N.S., 23 passed as Master and 24 as Mate, 9 failed as Master and 5 as Mate; at St. John, N.B., 23 passed as Master and 19 as Mate, 16 failed as Master and 5 as Mate; at Halifax, N.S., 15 passed as Master and 23 as Mate, 3 failed as Master and 5 as Mate, one Candidate passed for a Yacht Master's Fore and Aft Certificate; at Charlottetown, P.E.I., 5 passed as Master and 6 as Mate, 2 failed as Master and 7 as Mate; at Quebec, no Masters passed, 4 passed as Mate, and 2 for a Mate's Fore and Aft Certificate and one for a Second Mate's Certificate, 2 failed as Master and 2 as Mate.

An Act having been passed during the last session of Parliament making provision for the examination of and granting of Certificates of competency to Second Mates, four candidates for this grade came forward and passed successfully at St. John, N.B., and one at Quebec.

Nine Certificates of Service as Master and four as Mate have been issued during the year.

I would respectfully draw your attention to the fact that no provision has yet been made for the examination of those who serve as Master of steamers engaged in carrying passengers either upon the lakes or seaboard of the Dominion. Such examination could be confined to such subjects as the peculiar circumstances of each case might seem to require, and the standard of qualifications might be kept low for a few years.

I have the honour to be, Sir,

Your most obedient servant,

P. A. SCOTT,

Chairman.

The Deputy of the Minister
of Marine and Fisheries,
Ottawa.

LIST OF CERTIFICATES of Competency and Service granted to Masters and Mates by the Department of Marine and Fisheries of the Dominion of Canada, for the Year ended 31st December, 1879.

COMPETENCY.

Number of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
	1879.					\$ cis.
1235	January 18	Thomas Wm. Reynolds.....	Master.....	St. John, N.B.....	St. John, N.B.....	10 00
1236	do 18	John Benjamin Reynolds.....	do.....	do.....	do.....	10 00
1237	do 18	Adam Brown.....	do.....	do.....	do.....	10 00
1238	do 20	Thomas Edward Cann.....	Mate.....	Milton, N.S.....	do.....	5 00
1239	do 30	William Edward Toye.....	Master.....	Hantsport, N.S.....	Halifax, N.S.....	10 00
1240	do 30	Alexander Scott.....	do.....	Pictou, N.S.....	do.....	10 00
1241	February 25	William Duran Bogart.....	Mate.....	Karsdale, N.S.....	Yarmouth, N.S.....	5 00
1242	do 25	Ansel Crosby.....	Master.....	Hebron, N.S.....	do.....	10 00
1243	do 25	James G. Purdy.....	do.....	Yarmouth, N.S.....	do.....	10 00
1244	do 25	S. B. Hatfield.....	Mate.....	Tusket, N.S.....	do.....	5 00
1245	do 25	Jas. N. Bell.....	do.....	Pembroke, N.S.....	do.....	5 00
1246	do 27	Daniel Edward Mahoney.....	Master.....	St. John, N.B.....	St. John, N.B.....	10 00
1247	do 27	William Pringle.....	do.....	do.....	do.....	10 00
1248	do 27	Alonzo Abner Reid.....	do.....	do.....	do.....	10 00
1249	do 27	William J. Dornier.....	Mate.....	do.....	do.....	5 00

1880	March	4	John Love	Master	Halifax, N.S.	Halifax, N.S.	10 00
.261	do	4	Roderick Fraser	Mate.	Pictou, N.S.	do	5 00
1252	do	4	Michael Deegan	do	Halifax, N.S.	do	5 00
1253	do	4	James Roderick McDonald	Master	do	do	10 00
1254	do	25	Bethel McLeod	do	St. John, N.B.	St. John, N.B.	10 00
1255	do	31	Charles W. Perry	Mate.	Salem, N.S.	Yarmouth, N.S.	5 00
1256	do	31	T. C. Reynolds	do	Port La Tour, N.S.	Yarmouth	5 00
1257	do	31	A. C. Weston	do	Cheboque, NS.	do	5 00
1258	do	31	Robert McCallum	do	Lake George, N.S.	do	5 00
1259	April	18	Allen McCaulay	do	Charlottetown, P.E.I.	Charlottetown	5 00
1260	do	18	Fred. A. Douse	Master	do	do	10 00
1261	do	21	Foster P. Allison	Mate.	Walton, N.S.	Halifax	5 00
1262	do	21	Charles Ed. Mockler	do	Pugwash, N.S.	do	5 00
1263	do	21	Fred. M. Urquhart	do	Londonderry, N.S.	do	5 00
1264	do	21	Thomas Ganion	do	Arichat, C.B.	do	5 00
1265	do	24	Jean B. Bélanger	Mate, fore and aft.	Cape St. Ignace, Q.	Quebec	5 00
1266	do	24	Octave Blanchet	Mate.	do	do	5 00
1267	May	8	Charles S. Robinson	do	Hopewell, N.B.	St. John	5 00
1268	do	8	Robert W. Crawford	Master	Long Reach, N.B.	do	10 00
1269	do	15	George Thomas Ryerson	do	Yarmouth, N.S.	Yarmouth	10 00
1270	do	15	Asa C. Weston	Mate	Cheboque, N.S.	do	5 00
1271	do	15	Joseph Chadsey	do	Yarmouth, N.S.	do	5 00
1272	do	15	John Sanders	Master	Beaver River, N.S.	do	10 00
1273	do	15	Jacob E. Stanwood	Mate.	Yarmouth, N.S.	do	5 00
1274	do	15	John Joseph Duff	do	Saulnierville, N.S.	do	5 00

List of Certificates of Competency granted to Masters and Mates—Continued.

Number of Certificate	Date of Certificate	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
						\$ cts.
1275	May 19	Frederick Elias Mader.....	Mate.....	Mahone Bay, N.S.....	Halifax.....	5 00
1276	do 19	Nelson H. Townsend.....	Master.....	North Sydney, C.B.....	do.....	10 00
1277	do 19	Stephen Gerroif.....	do.....	Arichat, C.B.....	do.....	10 00
1278	do 19	Dewis Spicer.....	do.....	Advocate Harbour, N.S.....	do.....	10 00
1279	do 23	Laughlan McLean.....	Mate.....	Charlottetown, P.E.I.....	Charlottetown, P.E.I.....	5 00
1280	do 23	Wm. Finlayson.....	do.....	do.....	do.....	5 00
1281	do 23	John Johnston.....	do.....	do.....	do.....	5 00
1282	do 28	S. Belanger.....	do.....	Point Lévis, Quebec.....	Quebec.....	5 00
1283	do 28	Romuald Fortin.....	do Fore L'Islet, Quebec and aft. Second Mate.....	Point Lévis, Quebec.....	do.....	5 00
1284	do 28	Leon Lemieux.....	Second Mate.....	Berthier, Quebec.....	do.....	5 00
1285	June 11	John Keenan.....	Master.....	Yarmouth, N.S.....	Yarmouth, N.S.....	10 00
1286	do 11	Geo. L. O'Brien.....	do.....	Beaver River, N.S.....	do.....	10 00
1287	do 11	E. Landers.....	do.....	Yarmouth, N.S.....	do.....	10 00
1288	do 11	G. S. Harding.....	do.....	Canaan, N.S.....	do.....	10 00
1289	do 11	Miner Hemeon.....	Mate.....	Chebogue, N.S.....	do.....	5 00
1290	do 13	Wm. Lacy.....	do.....	St. John, N.B.....	St. John, N.B.....	5 00
1291	do 13	S. A. Bissett.....	Master.....	Carleton, N.B.....	do.....	10 00

LIST of Certificates of Competency granted to Masters and Mates — *Continued.*

Number of Certificates.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
1317	July 16	Samuel T. Stevens	Master	Harvey, N.B.	St. John	\$ 10 00
1318	do 16	Herbert S. Chambers	Mate	Dorchester, N.B.	do	5 00
1319	do 16	Wm. J. King	do	Annapolis, N.S.	do	5 00
1320	do 16	Eli Knowlton	Master	Parrsboro, N.S.	do	10 00
1321	do 21	John Daley	Mate	North Sydney, O.B.	Halifax, N.S.	5 00
1322	do 21	Angus McInnis	do	do	do	5 00
1323	do 21	W. G. P. Harrington	do	Halifax, N.S.	do	5 00
1324	do 23	F. O. Sumichrast.	Master of his own yacht	do	do	10 00
1325	August 19	A. T. Porter	Mate	Overton, N.S.	Yarmouth, N.S.	5 00
1326	do 19	James R. Durkee	Master	Sandford, N.S.	do	10 00
1327	do 19	Charles W. Grafton	do	Brighton, N.S.	do	10 00
1328	do 19	John M. Pinckney	Mate	Yarmouth, N.S.	do	5 00
1329	do 19	A. W. Harris	do	do	do	5 00
1330	do 19	F. J. Kearney	Master	St. John, N.B.	St. John, N.B.	10 00
1331	do 19	W. H. Vey	do	Richibucto, N.B.	do	10 00
1332	do 19	R. O. Disbrow	2nd Mate	St. John, N.B.	do	5 00
1333	do 19	Robert Deane	do	do	do	5 00
1334	do 19	H. A. Rowan	do	Portland, N.B.	do	5 00

1880	do	19 John McSherry	Mate	St. John, N.B.	do	5 00
1336	do	26 Chas. Lerberg	do	Halifax, N.S.	Halifax, N.S.	5 00
1337	do	26 Joseph Martell	do	Main-à-Dieu, C.B.	do	5 00
1338	do	26 Neil Campbell	do	Orwell Bay, P.E.I.	do	5 00
1339	do	26 John Walsh	do	Windsor, N.S.	do	5 00
1340	do	26 Wm. Otter	do	Cariboo Island, N.S.	do	5 00
1341	do	26 H. S. Smith	Master	Halifax, N.S.	do	10 00
1342	Sept.	16 Richard Tell	Mate	St. John, N.B.	St. John, N.B.	5 00
1343	do	16 J. S. Nickerson	Master	do	do	10 00
1344	do	22 S. Phillips	do	Princeport, N.S.	Halifax, N.S.	10 00
1345	do	22 Chas. P. Cochran	do	Windsor, N.S.	do	10 00
1346	do	22 R. B. C. Unterbridge	do	Halifax, N.S.	do	10 00
1347	do	22 Chas. Lerberg	do	do	do	10 00
1348	do	29 B. F. Gullison	Mate	Brockville, N.S.	Yarmouth, N.S.	5 00
1349	do	29 R. A. Durkee	do	Hebron, N.S.	do	5 00
1350	do	29 John L. Perry	do	Chebogue, N.S.	do	5 00
1351	do	29 Thomas Long	Master	Yarmouth, N.S.	do	10 00
1352	October	15 Henry Saunders	do	Bridgetown, N.S.	St. John, N.B.	10 00
1353	do	15 George Enarson	Mate	St. John, N.B.	do	5 50
1354	do	23 L. J. Westaway	Master	Georgetown, P.E.I.	Charlottetown, P.E.I.	10 00
1355	do	27 Alfred Ganion	Mate	Arichat, C.B.	Halifax, N.S.	5 00
1356	do	27 T. White	do	Margaree, C.B.	do	5 00
1357	do	27 Isadore LeBlanc	do	Arichat, C.B.	do	5 00
1358	do	27 John Simmons	do	Halifax, N.S.	do	5 00
1359	do	27 Angus McAulay	do	Pictou, N.S.	do	5 00

List of Certificates of Competency granted to Masters and Mates—Continued.

Number of Certificate	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
1360	October 27	S. Vance.....	Mate.....	Londonderry, N.S.....	Halifax, N.S.....	\$ 5 00
1361	do	F. R. Davison.....	Master.....	Hantsport, N.S.....	do	10 00
1362	do	D. Campbell.....	do	Sydney, C.B.....	do	10 00
1363	Nov. 7	W. T. Perry.....	Mate.....	Chagoggin, N.S.....	Yarmouth, N.S.....	5 00
1364	do	Thos. H. Corning.....	Master.....	Brookville, N.S.....	do	10 00
1365	do	Geo. E. Crosby.....	do	Sandbeach, N.S.....	do	10 00
1366	do	J. O. Jocas.....	Mate.....	St. Francois, Que.....	Quebec	5 00
1367	do	George Begin.....	do	Point Lévis, Que.....	do	5 00
1368	do	Bruno McIsaac.....	Master.....	St. John, N.B.....	St. John.....	10 00
1369	do	Vernon Copp.....	Mate.....	Hopewell Cape, N.B.....	do	5 00
1370	do	David F. Douglass.....	do	Maitland N.S.....	Halifax.....	5 00
1371	do	D. F. Faulkner.....	do	Londonderry, N.S.....	do	5 00
1372	do	Simon LeBlanc.....	Master.....	Halifax, N.S.....	do	10 00
1373	Dec. 10	Harvey Newell.....	Mate.....	Barrington, N.S.....	Yarmouth.....	5 00
1374	do	Frank L. Crosby.....	Master.....	Yarmouth, N.S.....	do	10 00
1375	do	James H. Cann.....	do	Milton, N.S.....	do	10 00
1376	do	James S. Harris.....	do	Yarmouth, N.S.....	do	10 00
1377	do	Robert A. Goudey.....	do	do	do	10 00

1878	do	10	George S. Ryerson	do	Brooklyn, N.S.	do	10 00
1879	do	16	E. E. Wood	Mate	Hillsboro', N.B.	St. John	5 00
1880	do	16	W. A. Bradshaw	2nd Mate	Quaco, N.B.	do	5 00
1881	do	16	C. A. A. Morsey	Mate	St. John, N.B.	do	5 00
1882	do	16	George H. Whitney	do	Quaco, N.B.	do	5 00
1883	do	23	John Fanling	Master	Halifax, N.S.	Halifax	10 00
1884	do	23	Thomas W. Roberts	Mate	Tatamagouche, N.S.	do	5 00
1885	do	23	M. Buchanan	Master	Sydney, C.B.	do	10 00
Fees received from Candidates who failed to obtain their Certificates							1,090 00
							110 00
							1,200 00

List of Certificates of Competency granted to Masters and Mates—Continued.

THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF COMPETENCY.

Number of Certificate.	Date of Certificate.	Name.	Grade	Address.	Where was Passed.	Fee.
814	Jan. 29	M. A. McDonald.....	Master.....	Pictou, N.S.....	.....	\$ cis 5 00
159	Feb. 15	Daniel Munro.....	do	do .....	.....	5 00
146	March 6	Joseph A. Saunders.....	do 2nd renewal.	Bridgetown, N.S.....	.....	5 00
852	May 29	J. W. Dotten.....	Mate.....	Wallace, N.S.....	.....	2 50
744	June 16	Thos. Rutherford.....	Master.....	St. John, N.B.....	.....	5 00
356	do 17	E. Nickerson	do	Halifax, N.S.....	.....	5 00
866	do 20	J. McDonald.....	do	Summerside, P.E.I.....	.....	5 00
543	do 28	J. D. McNutt.....	Mate.....	Waitland, N.S.....	.....	2 50
651	July 15	B. Lewis.....	Master.....	Yarmouth, N.S.....	.....	5 00
704	Aug. 5	Jas. Quinn	Master, 2nd renewal.	St. John, N.B.....	.....	5 00
807	Sept. 22	R. D. Buckler	Master.....	Tatamagouche, N.S.....	.....	5 00
Total received in connection with Certificates of Competency for the year ended 31st December, 1879.....						1,250 00

List of Certificates of Competency and Service granted to Masters and Mates—Continued.

SERVICE.

Number of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
1119	Jan. 14	F. A. McCumber.....	Master.....	Maitland, N.S.....	Halifax, N.S.....	\$ 5 00
1120	do 16	T. R. Crane.....	do	Parrsboro'	St. John, N.B.,.....	5 00
1121	do 23	M. Mallett.....	do	Clare, N.S.....	Halifax, N.S.....	5 00
1122	March 10	John Leydon	Mate, fore and aft.....	Halifax, N.S.....	do	3 00
1123	June 2	F. Cloutier.....	Master, fore and aft.....	St. Rochs, Quebec	Ottawa	5 00
1124	do 4	J. E. Crane.....	Master.....	Parrsboro', N.S.....	Halifax, N.S.....	5 00
1125	do 16	John A. Gordon	Mate.....	Pictou, N.S.....	do	3 00
1126	July 16	C. Cook.....	Mate.....	St. John, N.B.....	St. John	3 00
1127	Sept. 3	Jas. Crowley	Master.....	Port Gilbert, N.S.....	Halifax.....	5 00
1128	do 3	P. Anderson	Mate.....	Halifax, N.S.....	do	3 00
1129	Oct. 2	E. L. Morris.....	Master.....	Harborville, N.S.....	St. John	5 00
1130	Dec. 12	J. Coalfleet	do	Hantsport, N.S.....	Halifax.....	5 00
					Forward.....	52 00

List of Certificates of Service granted to Masters and Mates—Continued.

THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF SERVICE.

Number of Certificate.	Date of Certificate.	Name.	Grade.	Address.	Where Examination was Passed.	Fee.
596	Feb'y. 10	Jno. Bradley	Mate.....	Maitland, N.S.	Forward.....	\$ 52 00
1059	April 10	C. F. Williams ..	Master.....	Yarmouth, N.S.	Halifax.....	No fee req.
198	May 8	G. F. Dodge	do	Hillsboro', N.S.....	St. John	2 50
162	June 3	Robt. Beeler.....	do	Bear River, N.S.....	Halifax.....	2 50
1066	do 20	Chas. Powell.	do	Charlottetown, P.E.I.....	do	2 50
999	July 19	D. McDonald	do	St. John, N.B.	Charlottetown	2 50
515	Oct. 29	R. H. Johnstone.....	do	Halifax, N.S.....	St. John	2 50
363	Nov. 8	A. Grant.....	Mate	Weymouth, N.S.....	Halifax, N.S.	1 50
Total fees received in connection with Certificates of Service for the Year ended 31st December, 1879					do	68 50

SUMMARY.

	\$	cts.
Total fees received for Certificates of Competency	1,250	00
do do Service.....	68	50
Total amount of fees received during the Year ended 31st December, 1879.....	1,318	50

NOTE.—The sum \$1,320 has been deposited to the credit of the Receiver-General on account of fees received. The difference, \$1.50, between this amount and that shown by the statement is owing to the fact of the Chairman of the Board of Examiners having received and deposited fees for candidates whose certificates had not been issued on the 31st December, 1879.

LIST of Canadian Certificates of Competency and Service which have been cancelled during the Year ended 31st December, 1879.

COMPETENCY.

Number of Certificate.	Date of Certificate.	Name	Grade.	Cause of Cancellation.	Date of Cancellation.
930	November 9, 1876...	Ansel Crosby	Mate.....	Passed for a higher grade certificate	February 18, 1879
911	September 30, 1876...	J. G. Purdy.....	do	do	do 18, 1879
1061	October 9, 1877...	J. R. Macdonald	do	do	do 27, 1879
762	September 15, 1875...	A. J. Clark.....	do	do	do 5, 1879
433	December 10, 1873...	G. K. Gates	Master.....	Drowned at sea.....	January 9, 1879
1022	June 18, 1877...	J. T. Liscomb.....	do	Died at sea.....	do 2, 1879
959	February 5, 1877...	R. W. Crawford	Mate.....	Passed for a higher grade certificate.....	May 5, 1879
940	November 28, 1876...	L. Lambert	do	do	do 13, 1879
964	February 28, 1877...	D. Spicer.....	do	do	do 14, 1879
971	March 24, 1877...	J. J. Murchison.....	do	do	June 24, 1879
1107	February 20, 1878...	G. Fairweather.....	do	do	do 13, 1879
890	August 9, 1876...	E. H. Parker	do	do	July 10, 1879
1105	January 24, 1878...	L. H. Lockhart.....	do	do	do 10, 1879
1026	July 4, 1877...	O. W. Grafton	do	do	August 12, 1879
982	April 18, 1877...	O. O. Vickery.....	do	do	July 10, 1879
791	November 24, 1875...	H. McPherson	do	do	do 12, 1879

List of Canadian Certificates of Competency and Service which have been cancelled—Continued.

Number of Certificate.	Date of Certificate.	Name.	Grade.	Cause of Cancellation.	Date of Cancellation.
17	June 3, 1872...	S. Gerroir	Master.....	Passed for a higher grade certificate.....	May 14, 1879
582	August 19, 1873...	N. H. Townsend.....	do	do do	do 14, 1879
619	October 11, 1873...	P. Treinor	do	do do	June 24, 1879
697	March 19, 1874...	A. Brown	do	do do	do 24, 1879
234	October 25, 1872...	H. Edgett	do	do do	do 13, 1879
791	August 10, 1874...	C. J. Croseup.....	do	do do	do 13, 1879
38	June 29, 1872...	O. T. Saunders.....	do	do do	do 13, 1879
1114	September 13, 1878...	B. McLeod	Mate.....	do do	March 21, 1879
387	February 21, 1873...	N. Shaw	Master.....	Drowned at sea, 24th December, 1878	December 24, 1878
639	November 10, 1873...	Edwin Glasgow.....	do	Cancelled for deserting his vessel.....	January 3, 1879
628	October 18, 1873...	D Eldridge.....	Mate.....	Died at sea, January, 1877	do 1877
934	July 28, 1875...	G. Booth	do	Died on board ship.....	June 6, 1879
403	March 14, 1873...	C. O. Hiles.....	do	Died of yellow fever	July 28, 1879
1058	November 8, 1876...	H. S. Rich	Master.....	Drowned, 4th February, 1879.....	December 20, 1879

APPENDIX No. 8.

REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL FOR
THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

26th January, 1880.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honour, by direction of the Harbour Commissioners of Montreal, to transmit herewith for the information of the Honourable the Minister of Marine and Fisheries, statements of the receipts and disbursements of the Trust for the year ended the 31st December, 1879.

THE RECEIPTS from all sources were as follows, viz. :—

	\$	cts.	\$	cts.
FROM COLLECTOR OF CUSTOMS, MONTREAL.				
On goods subject to specific wharfage, inward	84,207	08		
do do outward	67,644	81		
Harbour dues on sailing vessels and steamships	58,417	05	210,268	94
LOCAL TRAFFIC.				
Wharfage on goods, inward	5,559	13		
do outward	1,089	31		
Harbour dues on barges	17,624	98		
do steamers	4,391	17		
Commutation do	18,500	00		
Received for piling lumber on the wharves	3,384	00		
do do wood do	1,050	60		
do storing coal do	1,485	91		
do weigh scales do	1,105	00		
do rent of small offices do	813	85		
do penalties	77	00		
			55,080	95
Net Revenue			265,349	89
FROM DOMINION GOVERNMENT.				
Received on account of new channel operations			96,000	00
Carried forward			361,349	89

THE RECEIPTS from all sources—*Concluded.*

	\$	cts	\$	cts.
Brought forward			361,349	89
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF NEW CHANNEL OPERATIONS.				
Richelieu & Ontario Navigation Co., oak	35	17		
G. A. Pontbriand, scrap steel	15	84		
Sincennes-McNaughton Line, rent	90	00		
H. & A. Allan, timber, rent, &c.	163	52		
D. & J. McCarthy, timber.	9	63		
J. Meany, rent.	36	00		
Rent of offices in old building.....			350	16
do new do			720	00
Fines collected			1,625	00
Interest on bank accounts			106	25
			3,631	51
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF HARBOUR DREDGING.				
Canadian Rubber Co., coal oil barrels	31	50		
Overpaid Mme. Malo, returned	3	00		
J. McIntosh & Son, pair of bellows	4	00		
Pillow, Hersey & Co., scrap iron	417	37		
Jos. Duchêne, barge "Cato"	27	00		
British American Insurance Co., hire of derrick, &c.	149	50		
J. Worthington & Co., towing scows	960	00		
			1,602	37
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF HARBOUR REPAIRS.				
J. T. Thérien, sale of old plank	16	75		
South Eastern Railway, cost of slip.....	35	78		
Roach & Brown, damage to wharf	2	10		
			54	63
Total Receipts.....			369,439	81

THE EXPENDITURE was as follows, viz. :—

	\$	cts.	\$	cts.
New channel operations			142,205	78
Interest on harbour debt.....			108,875	73
Harbour survey			385	18
do repairs.....			18,874	28
do dredging.....			37,505	43
do expenses.....			24,604	58
Printing, advertising and stationery			1,655	16
Buoys and beacons			5,828	71
Wharfares returned			210	80
Expenses collecting wharfrage at Longue Pointe.....			6	50
do erecting platforms			27	40
Travelling and incidental expenses			289	73
Lighting wharves.....			774	99
CONSTRUCTION ACCOUNT AS UNDER.				
Windmill Point Wharf.....	18,113	99		
Section 29.....	240	83		
Rochelaga Wharf.....	812	86		
Sections 13 and 14.....	5,106	38		
King's Basin.....	2,221	62		
Longue Pointe Wharf.....	111	30		
			26,606	98
Legal expenses			967	79
Revetment wall repairs.....			38	50
Chain tug			264	23
New dredging plant, two scows			4,287	63
Sundry accounts, written off.....			462	54
Dominion Government interest.....			54,532	72
Total Expenditure.....			428,404	68

The receipts from wharfrage are the largest we have ever had with the exception of 1874. The total as compared with 1878 shows an increase of \$42,739, the amount received on sea-going vessels and their cargoes being \$48,006 more than last year, while the local traffic has fallen off \$5,266. This falling off is largely caused by the increased railway facilities along the north shore of the St. Lawrence and elsewhere, considerable quantities of freight being now carried by rail which formerly went by water.

For full particulars of the operations within the harbour, I would refer you to the Chief Engineer's report, a copy of which is forwarded you. I also send you copies of the following annual reports: (1st) of the Harbour Master, with comparative statements of the trade of the port; (2nd) of the Superintendent of Pilots with reference to the maintenance of the buoys in the river, and (3rd) on matters connected with the Pilotage District of Montreal.

From the Harbour Master's statements it will be noticed that a greater amount of tonnage has come to the port than in any previous year, being 83,546 tons in excess of 1874, the largest year before this. The average size of the vessels has also increased about 43 per cent., viz.: from 579 tons in 1874, to 827 tons in 1879.

The work of deepening the ship channel to Quebec is being carried on in a satisfactory manner; a report on the same, up to the close of the fiscal year, has already been forwarded to the Department of Public Works, under whose supervision these works are being carried on.

Application was made by the Quebec Government, late in the year, for more railway accommodation on the wharves, (the proposition for right of way over the harbour property to the Quebec Gate Barracks, never having been carried out), to permit of a transfer of freight, &c., between the Quebec, Montreal, Ottawa and Occidental Railway and the South Eastern Railway at Longueuil; this request the Commissioners have yet under consideration.

I have the honour to be, Sir,

Your most obedient Servant,

(Signed) H. D. WHITNEY,

Secretary.

REPORT BY THE HARBOUR MASTER.

HARBOUR OFFICE,

MONTREAL, 2nd January, 1880.

H. D. WHITNEY, Esq.,
Secretary, Harbour Commissioners of
Montreal.

SIR,—I beg to submit for the information of the Harbour Commissioners, the following report for 1879, with accompanying comparative statements showing the numbers, tonnage, classification, etc., of vessels that arrived in port the past ten years.

On the first of January, the weather was very fine, wind west, sleighing good, and the water in the river three feet eight inches above the usual summer level. There was a considerable quantity of ice upon the shores, but the channel was free from ice as far as could be seen. In the afternoon a boat's crew, belonging to the celebrated boatsman, Mr. Joseph Vincent, descended the Lachine Rapids in an open boat, and arrived safely at the Jacques Cartier Pier at three o'clock. The weather continued fair and seasonable up to the 15th January, when a sharp frost set in, the thermometer registering at 8 a.m. 13° below zero. Ice then formed rapidly, and the water began to rise. On the 21st January, it was level with the tops of the wharves; on the 25th the river was full of ice; on the 26th it became stationary and firm, when a team and several people on foot crossed the river from Longueuil to Hochelaga. The water continued to rise until the 31st January, when it reached its highest point, 33 feet 4 inches on No. 1 lock sill of the Lachine Canal, or 16 feet 4 inches above the summer level; on that day, several people crossed the ice on foot from St. Lambert to the city. On the 1st February, a road was made on the ice from St. Lambert to the city, and teams crossed. On the 13th, a road was made from Laprairie to the city, and teams with hay passed over the same day. The weather during the month was of a fair average; the last day of the month was the coldest, the thermometer at 8 a.m. registering 10° below zero. The water in the river receded this month, about five feet, and the average height of the water during the month was $13\frac{1}{2}$ feet above the summer level.

The weather in March was changeable but not cold, the lowest temperature at 8 a.m. was on the 6th, the thermometer registering 2° . The average height of the water in the river during the month was 11 feet 10 inches above the summer level.

April commenced with stormy, blustery weather. The 3rd was the coldest day of the month, the thermometer at 8 a.m. registering 18° . As the month advanced the weather grew milder. On the 12th, the first shove of the ice took place near the centre piers of the Victoria Bridge, and shoved again the following day, breaking up the road to St. Lambert, and cutting off the direct communication by the river to that village. On the 15th, the road to Laprairie was considered unsafe and abandoned.

After that date the ice kept daily moving downward, and the water began to rise again. On the 16th the road to Longueuil was considered unsafe and abandoned. On the 18th, the ice opposite the city became so closely packed and stationary that people crossed it again on foot from St. Lambert and Longueuil to the city. The water continued to rise, and on the 19th reached its highest point, 34 feet 3 inches on No. 1 lock sill of the Lachine Canal, or 17 feet 3 inches above the summer level. In the afternoon of that day the whole body of ice moved downward, leaving an open channel, from as far as could be seen above the Victoria Bridge, down to the cotton factory. From that date the ice kept slowly moving downwards, and the water began to recede. On the 23rd the ferry steamer "St. Lambert" arrived in port from Boucherville, the water at this time falling rapidly. On the 24th the tops of the wharves were visible; steam tug "Georgiana" with four river craft arrived in port from Boucherville, and the "St. Lambert" ferry steamer commenced running. On the 26th the Longueuil ferry steamer commenced running her regular trips. On the 28th the steamer "Laprairie" arrived in port, and commenced running her regular trips on the ferry. Steamers "Chambly," "Hero," "Terrebonne" and "Berthier" arrived in port from Sorel. All sheds belonging to steam ship companies were in course of erection, lighthouses replaced, as well as the rail along the revetment wall; labourers were employed in clearing and cleaning the wharves, and the Grand Trunk Railroad cars made their first appearance upon the wharves this season, the harbour then commencing to have quite a lively appearance.

On the 29th April, tug steamers "St. Peter" and "St. Louis" arrived in port from Sorel with a portion of the harbour plant. On the 1st May the steamer "Montreal" (of the Quebec Line) arrived in port from Sorel, and left on her first trip for Quebec the same evening. Steamship "Circassian," from Liverpool, and steamship "Waldensian," from Glasgow, arrived in port this morning, the first vessels from sea. After this date, vessels arrived daily, and by the middle of the month there was a considerable number of vessels in port, and business fairly commenced.

The water in the harbour was unusually low during the navigable season. From the 21st May, when there was 25 feet 7 inches of water on No. 1 Lock Sill of the Lachine Canal, or 8 feet 7 inches above the summer level, it gradually kept falling until the 8th November, when it reached its lowest point, 15 feet 5 inches on No. 1 Lock sill, or 1 foot 7 inches below the usual summer level (the lowest on record). This was a great drawback to the trade, as vessels of heavy draft of water had to have a large portion of their cargoes carried inwards and outwards in lighters, causing great expense and much delay.

As the vessels that visit this port are yearly increasing in tonnage and draft of water, all deep water berths should be held in reserve for their special accommodation, and as the Victoria Pier, Military and Commissioner's wharves were put down in from 20 feet to 24 feet of water, at great cost, for the accommodation of large class vessels, all bateaux, barges and other river craft of light draft of water, with firewood, etc., should not be permitted to occupy these berths any longer, but placed below the Commissioners' Wharf, from Section 24 to Section 33, where there is plenty of water, spacious top wharfage, and in every particular well adapted for those engaged in the wood business. The Military Basin has been so frequently crowded with wood barges, that the large sea-going vessels, lying at Sections 20, 21 and 22, were greatly obstructed in discharging and loading, and frequent complaints have been made by those interested in them, of the delay and expense caused by wood barges being permitted to occupy that basin.

When the improvements going on in the Metcalf Basin are completed, it will no doubt greatly facilitate business in that part of the harbour.

The extension of the works at Wind Mill Point has proved to be of great advantage to those engaged in the coal trade, as well as to the many manufacturers along the canal.

The lumber trade to South America has not been quite equal to that of last year, 20 vessels of the aggregate tonnage of 10,869 tons, carrying 8,663,563 feet of lumber,

loaded at this port this year, against 20 vessels of the aggregate tonnage of 11,013 tons, carrying 8,860,000 feet of lumber the previous year, showing a difference of 145 tons, and 16,437 feet of lumber less than in 1878.

Six hundred and twelve (612) sea-going vessels arrived in this port this season of the aggregate tonnage of 506,969 tons, 321 of which were built of iron; of the aggregate tonnage of 405,442 tons, and 291 were of wood of the aggregate tonnage of 101,527 tons; 289 of which were propelled by steam; of the aggregate tonnage of 378,353 tons, and 323 were propelled with sail, of the aggregate tonnage of 128,616 tons; they were navigated by 15,350 seamen, and composed of the following nationalities, numbers and tonnage:—

	No.	Tonnage.
British	575	488,718
Norwegian.....	11	6,293
Austrian.....	8	4,142
American.....	7	2,125
German.....	6	2,328
Belgian	1	1,059
Dutch.....	1	950
Italian.....	1	559
Hungarian.....	1	526
Swedish.....	1	269
	<u>612</u>	<u>506,969</u>

The Laprairie ferry steamer ceased running on the 26th November, the ^{St.}Lambert ferry steamer on the 4th December, and the Longueuil ferry on the 19th December.

On the 18th December sharp frost set in, ice formed rapidly, and the water began to rise. On the 22nd December the weather was very cold, the thermometer at 8 a.m. registering 22° below zero, and the following day at 8 a.m. it registered 9° below zero. On the 25th December the river opposite the city was full of ice, and the water level with the tops of the wharves. On the 27th people on foot and teams crossed on the ice from Longueuil to the convent at Hochelaga. On the 28th December the ice shoved heavily, leaving a large space of open water opposite the cotton factory, and along the south shore from St. Helen's Island to the Victoria Bridge. From that date teams crossed the river from about two miles below Longueuil, to about two miles above Longue Pointe to the end of the month, the water then being 16 feet 3 inches above the summer level.

I am, Sir,

Your obedient servant,

(Signed)

A. M. RUDOLF,

Harbour Master.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number and Tonnage of Inland Vessels that arrived in Port the past ten years, with the dates of the Greatest Number in Port at one time.

	No. of Vessels.	Tonnage.	Greatest Number in Port at one time.
1870.....	6,345	819,476	255, October 6.
1871.....	6,878	824,787	281, do 6.
1872.....	7,150	936,782	309, June 8.
1873.....	6,751	933,462	296, do 8.
1874.....	6,855	956,837	301, do 14.
1875.....	6,178	811,410	256, August 4.
1876.....	6,083	786,083	262, November
1877.....	6,338	847,978	258, October 3.
1878.....	5,202	764,243	261, do 15.
1879.....	5,698	817,423	227, November 6.

(Signed)

A. M. RUDOLF,

Harbour Master.

HARBOUR OFFICE,

MONTREAL, 2nd January, 1880.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Dates of the Opening and Closing of Navigation, First Arrival from Sea and Last Departure for Sea, the past ten years.

	Opening of Navigation.	Close of Navigation.	First Arrival from Sea.	Last Departure for Sea.
1870	April 18	December 18	April 22	November 27
1871	do 8	do 1	do 22	do 29
1872.....	May 1	do 8	May 5	do 28
1873	April 25	November 26	do 4	do 21
1874.....	do 25	December 13	do 11	do 21
1875	May 3	November 29	do 9	do 22
1876.....	April 27	December 10	do 8	do 23
1877.....	do 17	Jan. 2, 1878	April 29	do 24
1878	March 30	December 23	do 20	do 24
1879.....	April 24	do 19	May 1	do 24

(Signed)

A. M. RUDOLF,
Harbour Master.

HARBOUR OFFICE,
MONTREAL, 2nd January, 1880.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port from the Maritime Provinces the past ten years.

	Steam-ships.	Tonnage.	Ships.	Tonnage.	Barques.	Tonnage.	Brigs.	Tonnage.	Brig-antines.	Tonnage.	Schooners.	Tonnage.	Total No. of Vessels.	Total Tonnage.
1870	45	17,731	2	2,034	28	13,411	3	768	29	4,007	150	12,486	257	50,437
1871	42	18,469	4	3,488	19	8,449	8	1,714	27	3,929	133	9,213	233	45,963
1872	68	39,378	3	2,364	32	16,067	3	523	48	7,646	147	11,572	301	77,460
1873	91	59,061	6	4,790	36	18,595	6	1,422	36	4,824	98	8,056	273	96,748
1874	104	53,903	3	2,046	26	15,681	3	622	42	6,036	108	10,493	286	88,781
1875	120	69,544	3	1,874	27	13,180	2	331	35	5,397	92	8,526	279	98,852
1876	87	47,199	1	739	30	15,451	4	993	25	4,220	67	7,322	214	75,924
1877	72	39,277	5	4,306	25	13,566	3	758	18	2,741	37	3,924	160	64,575
1878	42	21,812	2	1,132	32	15,749	3	954	21	4,196	65	6,683	165	50,526
1879	62	40,686	2	1,733	59	33,271	1	457	16	3,660	80	8,573	220	88,380

(Signed) A. M. RUDOLF,
Harbour Master.

HARBOUR OFFICE,
MONTREAL, 2nd January, 1880.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sea-going Vessels that arrived in Port the past ten years, with the dates of the greatest number in Port at one time, each year.

—	Steam ships.	Tonnage.	Ships.	Tonnage.	Barques.	Tonnage.	Brigs.	Tonnage.	Brig-antines.	Tonnage.	Schooners.	Tonnage.	Total Number of Vessels.	Total Tonnage.	Greatest Number in Port at one time.
1870	144	133,912	78	73,175	187	75,797	18	4,183	62	10,351	223	19,428	680	316,846	62, June 20
1871	142	146,927	89	92,502	170	82,363	26	6,539	47	7,859	180	15,551	664	351,721	89, Oct. 27
1872	215	217,713	67	62,775	182	81,199	20	5,211	68	11,504	175	14,388	727	398,800	84, Oct. 30
1873	242	245,237	73	65,323	164	75,594	18	4,660	59	8,581	147	12,583	702	412,478	84, Aug. 28
1874	266	262,096	50	45,938	167	80,677	15	3,928	64	10,698	169	19,096	731	423,423	76, July 6
1875	256	255,435	40	39,895	138	63,167	17	3,833	53	9,801	138	13,951	642	386,112	60, Aug. 18
1876	240	262,829	40	37,303	146	66,002	18	4,700	35	5,848	123	14,498	602	391,180	61, July 24
1877	217	261,764	41	41,304	108	56,909	10	2,660	25	4,987	78	8,735	513	376,859	59, Oct. 19
1878	207	269,870	44	47,577	113	58,711	9	2,610	34	6,537	109	11,953	516	397,266	45, June 3
1879	289	378,353	33	38,412	121	65,323	5	1,404	37	8,560	127	15,017	612	506,969	49, Aug. 13

A. M. RUDOLF,
Harbour Master.

HARBOUR OFFICE,
MONTREAL, 2nd January, 1880

HARBOUR COMMISSIONERS' OFFICE,
CHIEF ENGINEER'S OFFICE,
MONTREAL, 20th January, 1880.

H. D. WHITNEY, Esq.,
Secretary.

SIR,—I beg to submit, for the information of the Board of Harbour Commissioners, the following Report upon the works in the Harbour of Montreal during the year 1879.

The principal works of the year are the further deepening and improvement of the ship channel through the harbour; the extension of the Windmill Point basin and wharf alterations in Sections 13 and 14; deepening of the basin and renewal of the inshore side of the Island Wharf (Section 15) in deep water; deepening the basin of Sections 16 and 17 (Merchants' Basin); and the renewal of a considerable part of the superstructure of Victoria Pier (Section 20). The following are the chief details:—

Sections 5 to 11 (Windmill Point Basin and Wharf).—The crib-work wharf has been extended up stream in Section 6,—451 feet, making now a continuous length of 2,628 feet from the lower corner of the wharf between Sections 10 and 11, or opposite the mouth of the Lachine Canal. The extension of this year is completed with the exception of a portion of the planking and a small part of the back filling. Two race-ways (Nos. 5 and 6) of crib-work similar to the main wharf are built in connection with it; one of eight feet high by 12 feet wide inside, by 110 feet in length from the face of the wharf, being for the water from Peck, Benny & Co's., mills, and the other of 100 feet long with two openings, one of which is eight feet high by 14 feet wide, and discharges water also from Peck, Benny & Co's., and one of eight feet high and 22 feet wide, discharging the water from McDougall & Co's. Mills. Cost of crib-work wharf and race-ways \$9,866; wharf and back-filling, \$2,239; total, \$12,105.

In Section 8 the gap of 162 feet, which existed between the race-way built by Government from the new canal waste weir, and the part built by the Harbour Commissioners, was closed by the extension of the latter. The extension is of the usual crib-work, covered, and having an opening of 25 feet wide and eight feet high. The pond and low ground through which the extension was made were also filled up with dredgings, and about 25,000 square feet additional wharf room thus obtained. Cost of race-way \$1,979; filling \$2,197; total \$4,176.

The dredging of the basin has been carried up abreast of the new extension of the wharf to an average width of 250 feet and a depth of 15 feet; small obstructions and deposits have also been removed from the lower end of the basin. Total quantity dredged, 75,663 cubic yards; cost, \$18,800.

The water in Section 11, between the new canal and the outer corner of the wharf which, in 1878, was about 16 feet in depth alongside the wharf, was found to be still more shallow last spring from small banks of deposit which had formed on it, and the whole was therefore dredged out to an effective depth of 20 feet. Quantity dredged, 6,253 cubic yards; cost, \$1,584.

Section 12, Queen's Basin.—A few small lumps were dredged out of the upper part of the basin.

Sections 13 and 14.—In order to obtain better wharfage for large vessels, the outer end of Wellington Pier was cut off in the latter part of the summer, and the wharf extended across Metcalfe Basin, in line with the wharf in Sections 12 and 13, at 25 feet depth at low water, thus abolishing both the basin and pier and giving a continuous line of deep water wharf of 1,228 feet in length, and an additional area of ground in rear of the wharf of 29,400 square feet. The frontage of wharf will be reduced by 261 lineal feet, the difference between the length of the new straight wharf and that which enclosed the pier and basin, but its effective value for large vessels will be considerably enhanced.

The new portion of wharf, which is 328 feet in length, and of the usual crib-work, sunk in 25 feet depth at low water, is now carried up to about six feet above low

water mark, and the filling of the basin on the average up to about the height of low water, leaving the remainder to be completed in the coming spring.

Besides the dredging in the removal of the end of Wellington Pier and in the site of the new wharf, a considerable amount has been taken out in front of the pier and basin in order to deepen the whole to 25 feet.

The expenditures thus far are :—Timber wharf, \$4,327; back-filling (hand labor), \$743; dredging, \$4,351; total, \$9,421.

Elgin Basin.—The lower part of Section 14 has been cleaned out and deepened to 25 feet as close to the wharves as their foundations would permit. Expenditure, \$2,648.

Section 15.—The inner side of the Island Wharf, which was one of the old pile wharves built in 1831, and with only five to ten feet available depth of water, was this year replaced by a new pile wharf on the same line, but with the water deepened so as to accommodate a draught of 24 feet at low water. The interior of the basin has also been dredged over and practically completed to the same depth; but it remains yet to be proved, and the approach requires further deepening.

It will be remembered that, in 1878, the wharves on the inshore Albert Pier sides of the basin were renewed, and the renewal of the remaining side this year therefore completes the re-building of the whole, and gives 1,010 feet additional deep water wharfage in one of the most valuable positions in the harbor.

The expenditures this year are :—New wharf, 285 lineal feet, \$2,224; dredging, \$2,436; total, \$4,660.

Sections 16 and 17.—The berths in front of the wharves, 900 feet in extent, and the approaches from deep water, were dredged out to a depth of 25 feet at low water. Expenditure, \$1,665.

Sections 21 and 22.—A part of the chain-tug's chain which lay along the shoal extending downwards from the Victoria Pier, was this year taken up, and an opening dredged through the shoal from near the end of the pier to opposite the Military Hospital, so as to allow of access to the deep water berths inside. Expenditure, \$1,915.

Section 24.—A considerable amount of dredging was done in deepening alongside the wharf and clearing away the inner side of the same shoal in front of Section 24. Expenditure, \$1,182.

Ship Channel in the Harbour.

At various points between Sections 13 and 22, but particularly opposite Sections 14 and 15, and 20 and 21 small shoals and points which remained from last year's dredging were removed to 25 feet at low water.

Total dredged, 22,139 cubic yards, at an expenditure of \$6,101.

Harbour Repairs.

In Section 20 a length of 785 feet of the outer and up-stream sides of the Victoria Pier, and also a length of 308 feet of the inner side, extending from the angle downwards, have been renewed from an average of about 5 feet above low water line upward, and have been raised to the standard level of new wharves. Expenditure, \$4,160.

With this exception, the repairs in the harbour have been light work of the usual character required in the maintenance of the wharves and roadways.

Pending the possible introduction of the electric light or some more improved system of gas, the lighting of the wharves has been continued by means of coal oil lamps, with double burners as before; but they have this year been maintained by the Commissioners' own men and materials instead of by contract as for many years past. The cost for 66 lamps, for the 31 weeks in which they were lighted was \$774, which is materially less than before.

The total expenditure under the head of Harbour Repairs, for the year, has been \$18,819, and compares as follows with the previous four years:—

1875.....	\$16,449
1876.....	25,711
1877.....	26,077
1878.....	18,974
1879.....	18,819

Dredging.—The dredging plant, the property of the Commissioners, engaged in the harbour work during the year consisted of five spoon dredges, two clam-shell derricks for unloading scows, three screw tugs, sixteen flat scows, two to six dumping scows, and one floating shop for machinery repairs.

The dredges and one tug were wintered at Sorel; the derricks and two tugs at Chenal du Moine, and the scows at Boucherville; and in the last week of April, as soon as the clearing away of the ice permitted the whole were brought up to Montreal.

The dredges were set to work on the 2nd May, and continued without serious mishap until the close of navigation; one dredge which required to be hauled out being sent to Sorel on the 24th November, and the others following on 1st December.

One of the spoon dredges spent 37 days in the ship channel at Pointe du Lac, and others at different times spent 129 days in ship channel work in the harbour, making 166 days in all, in ship channel service, which, with 738 days engaged in harbour work proper, makes an aggregate of 904 days' service for the five dredges during the season, or an average of 180 days each. The nominal working time is ten hours per day, which gives a total of 8,670 hours' service within the harbour; but the actual dredging time, after deducting time lost for repairs, changing positions, detention by vessels, short days in autumn and all other causes, is reduced to 7,755 hours, or an average of $89\frac{14}{100}$ per cent. of the gross time of service, as against $87\frac{21}{100}$ per cent. for 1878; $88\frac{86}{100}$ for 1877; $84\frac{6}{100}$ for 1876, and $82\frac{3}{100}$ for 1875.

The cost of the fleet for work within the harbour was \$11,006, which includes wages, fuel, stores and proportion of general charges for insurance, spring outfit, and repairs, and all other charges except interest and depreciation.

Compared with the four previous years, the results are as follows:—

Year.	Cost.	Cub. Yards Dredged.	Cost Per Yard.
1875.....	\$		cents.
1876.....	68,979	151,719	45
1877.....	55,462	156,082	35½
1878.....	45,103	173,449	26
1879.....	48,148	211,731	23
	41,006	189,609	21 $\frac{68}{100}$

The following are the different parts of the harbour at which dredging has been done, and the cost of the same:—

Sections 5 to 8 (Windmill Point).—Enlarging and extending the basin at the upper end, and clearing small lumps from the lower end. Chiefly shale, hard-pan and boulders; two to thirty feet of water (actual depths at time of dredging). Total dredged, 75,963 cubic yards, costing \$18,800, or $24\frac{35}{100}$ cents per cubic yard.

Section 11 (Windmill Point).—Deepening and clearing out sediment, boulders, gravel and sand. Twenty to twenty-eight feet of water,—6,255 cubic yards, cost \$1,584, or $25\frac{1}{2}$ cents per cubic yard.

Sections 12 and 13 (Queen's Basin).—Cleaning out small lumps, and deposit hard-pan and soft deposit. Twenty-five feet water; 1,338 cubic yards, cost \$331, or 24½ cents per cubic yard.

Sections 13 and 14.—Clearing out old pier, preparing site for crib-work, deepening basin, &c. Clay, hard-pan, old crib-work, &c., eight feet above water to 25 feet below; 21,903 cubic yards, cost \$4,351, or 19 $\frac{8}{100}$ cents per cubic yard.

Section 14 (Elgin Basin).—Deepening basin, sewage deposit, hard-pan, and some shale. Twenty five feet water; 12,768 cubic yards, costing \$2,649, or 20½ cents per cubic yard.

Section 15 (King's Basin).—Deepening basin, chiefly sand. 10 to 25 feet of water; 16,312 cubic yards, costing \$2,431, or 14 $\frac{93}{100}$ cents per cubic yard.

Sections 16 and 17.—Deepening basin, clay, gravel and sand. 18 to 25 feet of water; 16,829 cubic yards, costing \$1,655, or 9½ cents per cubic.

Sections 21 and 22 (Military Basin).—Deepening basin, sand, gravel, boulders and clay. 20 to 25 feet of water; 10,091 cubic yards, costing \$1,917, or 19 cents per cubic yard.

Section 24.—Deepening front of wharf; sand, gravel and clay 20 to 25 feet of water; 6,311 cubic yards, costing \$1,182, or 18½ cents per cubic yard.

Slip Channel opposite Sections 13 to 21.—Cutting away small shoals and lumps; hard-pan, gravel, boulders and clay; 22 to 28 feet depth of water; much detention by vessels; 22,139 cubic yards, costing \$6,101, or 27 $\frac{5}{100}$ cents per cubic yard.

Yours respectfully,

(Signed) JOHN KENNEDY,

Chief Engineer.

ABSTRACT of Dredging done in the different parts of the Harbour of Montreal in 1879

Places where Dredges worked.	Dredges.	Quantities dredged at each place.		Dredged Totals.	Remarks.
		C. yards.	C. yards.		
Sections 5 to 8, Windmill Point...	Dredge No. 2	11,430			
do do ...	do 4	26,077			
do do ...	do 5	13,286			
do do ...	do 6	16,500			
do do ...	do 7	8,370			
				75,663	Shale, hardpan, boulders and gravel.
Section 11, Windmill Point.....	do 7	6,255		6,255	Sand and fine gravel.
Sections 12 and 13, Queen's Basin...	do 5	1,338		1,338	Hardpan, boulders and silt.
Sections 13 and 14, New Wharf.....	do 5	6,165			
do do	do 6	16,738			
				21,903	Hardpan, sand, clay and gravel.
Section 14, Elgin Basin	do 5	11,688			
do do	do 7	1,080			
				12,768	Hardpan, shale and sewage deposit.
Section 15, King's Basin	do 2	16,312		16,312	Clay and sand.
Sections 16 and 17	do 6	821			
do	do 7	16,008			
				16,829	Sand and gravel.
Sections 21 and 22	do 2	10,091		10,091	do do
Section 24.....	do 7	6,311		6,311	Gravel.
Ship Channel.....	do 2	4,657			
Sections 13 to 22.....	do 4	3,465			
do	do 5	6,120			
do	do 6	2,272			
do	do 7	5,625			
				22,139	Sand, gravel and boulders.
Gross Total.....				189,609	

ABSTRACT of Dredging done by each Dredge in the Harbour of Montreal in 1879.

Dredges.	Commenced Working.	Stopped Working.	Time of Service.	Places at which Work was done.	Quantities dredged at each place.	Total Dredged.	Remarks.
	Commenced Working.	Stopped Working.	d'ys		C. yards	C. yards	
Dredge No. 2.	May 2	2 Dec.	1	182 Sections 5 to 8, Windmill Point	11,430		Shale, hardpan, boulders and gravel.
do	do	do	1	182 Section 15, King's Basin	16,314		Clay and sand.
do	do	do	1	182 Sections 21 and 22	10,091		Sand and gravel.
do	do	do	1	182 Ship Channel	4,657	42,490	Sand, gravel and boulders.
Dredge No. 4.	May 2	2 Dec.	1	182 Sections 5 to 8, Windmill Point	26,077		Shale, hardpan, boulders and gravel.
do	do	do	1	182 Ship Channel	3,465	29,542	Sand, gravel and boulders.
Dredge No. 5.	May 2	2 Dec.	1	182 Sections 5 to 8, Windmill Point	13,286		Shale, hardpan, boulders and gravel.
do	do	do	1	182 Section 12, Queen's Basin	1,338		Hardpan, boulders and silt.
do	do	do	1	182 Sections 13 and 14, New Wharf	6,165		do sand, clay and gravel.
do	do	do	1	182 Section 14, Elgin Basin	11,688		do shale and sewage deposit.
do	do	do	1	182 Ship Channel	6,120	38,597	Sand, gravel and boulders.
Dredge No. 6.	May 2	2 Dec.	1	182 Sections 5 to 8, Windmill Point	16,500		Shale, hardpan, boulders and gravel.
do	do	do	1	do 13 and 14, New Wharf	15,738		Hardpan, sand, clay and gravel.
do	do	do	1	182 Section 16	821		Sand and gravel.
do	do	do	1	182 Ship Channel	2,272	35,331	Sand, gravel and boulders.
Dredge No. 7.	May 2	2 Nov.	24	139 Sections 5 to 8, Windmill Point	8,370		Shale, hardpan, boulders and gravel.
do	do	do	24	139 Section 11, do	6,255		Sand and fine gravel.
do	do	do	24	139 do 14, Elgin Basin	1,080		Hardpan, shale and sewage deposit.
do	do	do	24	139 Sections 16 and 17	16,008		Sand and gravel.
do	do	do	24	139 Section 24	6,311		Gravel.
do	do	do	24	139 Ship Channel	5,625	43,649	Sand, gravel and boulders.
				Gross Total	188,609		

In addition to the 867 days' services included in the above table, Dredge No. 7 worked 37 days in the Ship Channel at Pointe du Lac.

HARBOUR COMMISSIONERS' Dredging Plant employed in the Harbour of Montreal in 1879.

Description of Vessels.	Hull.			Engines.				Capacity of Bucket.	Depth to which Dredge can work.	
	Length over all.	Breadth of Beam.	Depth of Hold.	When Built.	Kind of Engines.	Number of Cylinders.	Diameter of Cylinder.			Length of Stroke.	Pressure of Steam.
<i>Dredges.</i>										
Spoon Dredge No. 2.....	Ft. in.	Ft. in.	Ft. in.				Inches.	Inches.		Feet.
do No. 4.....	77 0	26 6	6 3	.....	Horizontal non-condensing	1	12	16	40 to 70 lbs.	30
do No. 5.....	77 3	27 0	6 6	1872		1	14	16	40 to 70 "	32
do No. 6.....	77 0	27 0	7 6	1874		1	14	16	40 to 70 "	32
do No. 7.....	77 3	27 0	7 0	1874		1	14	16	40 to 70 "	32
<i>Derricks.</i>										
Clam-shell Derrick No. 1.....	56 8	23 9	5 9	.....	do	1	8	12	60 to 70 lbs.	.....
do No. 2.....	57 0	23 6	5 9	1872		2	7	12	60 to 90 "	.....
do No. 3.....	61 9	24 0	5 9	1875		1	10	12	60 to 90 "	.....
<i>Tug Boats.</i>										
St. Louis.....	67 0	15 0	8 7	1875	Vertical non-condensing.	1	16	20	85 to 95 lbs.	.....
St. Peter.....	71 6	16 6	8 6	1875		1	20	22	80 to 90 "	.....
St. Paul.....	65 6	15 0	8 1	1875		1	16	18	80 to 100 "	.....
<i>Barge.</i>										
Staghound (floating shop).....	103 4	21 5	7 6	1869						.....
<i>Scows.</i>										
2 to 6 dumping scows.....	80 0	16 0	7 6	.....						.....
3 flat scows.....	70 0	16 0	5 0	1875						.....
2 do.....	75 0	20 0	5 9	1876						.....
2 do.....	75 0	20 0	6 0	1878						.....
9 do various sizes and ages.....	.....	.....	.....	.....						.....

MONTREAL, 31st January, 1880.

H. D. WHITNEY, Esq.,
Secretary, Harbour Commissioners of Montreal.

SIR.—I have the honour to submit the following as my Annual Report for 1879:—

During the season I made, altogether, 13 trips, employing the "John Pratt" 60 days and the "John Young" six days for taking up the buoys. I shall confine myself to speaking of the first and last trips, as they are the most important, the others being for the purpose of keeping the buoys in good order.

At the close of navigation in 1878, there were left in position 58 wooden buoys and 12 iron ones, the greater part of which were in Lake St. Peter. Of the former only 19 were actually lost, but most of them were so much damaged by the action of the ice that they had to be renewed. Of the iron buoys only two were carried away. I therefore had to put down last spring 115 wooden and 10 iron buoys, besides 18 barrels. During the summer I found several of the wooden buoys that had been carried away by the ice, and one iron one—owing to want of time I did not get the others. At various times during the season, 11 buoys were dragged off by rafts or barges, so that I had to make several trips to replace or renew them, as well as to mark dangerous places, which grow more numerous as the water falls. A great many buoys had become water-logged and had to be replaced by drier ones. At another time I found four iron buoys with their anchors and chains which had been lying at the bottom for some years. A buoy, painted in squares, was put in Lake St. Peter to indicate a favourable place for anchoring.

I commenced to take up the buoys on the 24th November, beginning in the harbour. On the 27th, those in the lake were taken up, and on the 29th those further down. One day was spent in getting off the S.S. "Bellona," then aground in the lake. I was, therefore, unable to take up as many buoys as I should have wished for fear of being blocked up by the ice; however, the more exposed and costly ones have been raised.

The beacons are all in good order. They now number 26.

There are about enough buoys as well as anchors, &c., in the ship-yard at Sorel for next year's use.

The following statement shows the number of wooden buoys and barrels which have been left in place for the winter, as well as those taken up:—

	Wooden Buoys.		Barrels (all taken up).
	Raised.	Left.	
In the harbour	8		
Montreal to Sorel	48		20
Sorel to Three Rivers	34	12	
Below Three Rivers	12	19	
	102	31	20

Besides these, there are 14 iron buoys which are never taken up.

I have the honour to be, Sir,

Your obedient servant,

JOSEPH LEVILLÉ,

Superintendent of Pilots.

APPENDIX No. 9.

QUEBEC HARBOUR COMMISSIONERS' REPORT FOR THE YEAR 1879.

(Under the 38th Victoria, Chap. 55, Sec. 14.)

QUEBEC, 14th January, 1880.

To the Honorable J. C. POPE,
 Minister of Marine and Fisheries
 &c., &c., &c.
 Ottawa.

SIR,—I have the honor to report as follows on the doings of the Quebec Harbour Commissioners for the year 1879.

Having transmitted to the Public Works Department reports on the works of the Harbour Improvements and the Graving Dock and on the operations of the Lifting Barge for the year just ended, I beg leave to state that under these headings, I will repeat what I have already reported to the aforesaid Department.

Harbour Improvements, River St. Charles.

The working season of 1879 opened fully a month later than that of 1878.

The contractors' plant was removed in on May the 6th, and work fairly commenced about the 15th of that month.

The winter ice had practically no effect on the crib work and concrete foundations of the quay wall of the Tidal Basin, no sensible settlement or movement being apparent in the whole line of points fixed as bench marks for testing the work at the end of the previous season, the Portland cement concrete having set with its well known hydraulic properties like stone under water, holding the projecting cogging stones in position against all the friction of the heavy ice.

The outside low crib work suffered some damage, the indraught current setting in the direction of the Harbour entrance at Pointe-à-Carcy, having given force to abrasion and pressure of the batture so as to crush it completely at this point.

The damage done to that portion of the works has been repaired and the whole length of the outer face has been carried up to coping level and will be banked in so that the ice can have no action upon it beyond that which similar structures are known to resist.

The Commissioners had determined at an early stage of progress with these works to adopt the alternative method of construction provided for by the contract, of employing stone for the construction of the quay walls from four feet above low water mark, and the first section of 1,240 feet has been brought up higher than the tidal range for almost the entire length and up to coping level for a section of 150 feet.

The coming winter will test its power of resistance, of which no doubt is entertained.

This season has witnessed the commencement of the piling, and sinking the rear cribwork of the foundation of the Wet Dock section of these works. Far less difficulty than attended the sinking of the deep cribs of the tidal basin has been experienced; scarcely a hitch of any kind has occurred and the whole work bids fair to be a complete success.

The piles have been driven in true line, any deviation which has taken place in removing temporary walls and fixing the caissons in rear having been at once taken up by back strutting until the concrete has filled in,

Subject only to such modification as facilitated the progress of the work, this section of the improvements in progress is being carried through strictly in conformity with the original design, the principal object being to construct a wet dock in the upper reach or section of the works which shall provide float water of uniform depth of 24 feet at all times of the tide alongside the quays and wharves inside, so that vessels and steamers may discharge subject to no inconvenience from rise and fall of water or strong current; with a tidal basin on the outside.

The works have already so far advanced as to demonstrate the advantage of these harbour appliances to the Port of Quebec, it being, even now, safe for a valuable ship to winter under the protection of the embankment completely cutting off all ice shove, such as the "Aurora" had to contend with some years ago, so that with the completion of the graving dock, Quebec will have advanced towards being one of the most convenient naval stations, in the Dominion.

It is well to bear in mind that these works are being constructed in a tide way, having a rise and fall of 18 feet at Springs with no protection to cofferdam for fixed profiles for carrying the line and batter; each fresh starting point having to be fixed by transit, yet the whole work has so far been carried on with only a very minimum error, one of these on a small portion of the masonry, being partly due to the movement and vibration of the transit station point by the filling in of the ballast wharf.

The contractors have been allowed to correct this by small offsets where the angular deflection occurred, to be dressed down and taken to a true batter in place of removing the masonry which, owing to its being laid in Portland cement could not have been done without breaking and damaging much of the stone.

Piling of the foundation of the Wet Dock wall, has, for a distance of 1,500 feet, as shewn on the Progress Plan No. 1, been most successfully and skilfully driven in nearly a perfect line against which the small cribwork caissons have been brought home by screw bolts through gauge piles, strutting walls and sheet piles for the entire distance, with the elm capping in position all damage of the piles, will; it is expected, be entirely prevented by pressure of ice.

I am happy to state that the contractors for these works, Messrs. Peters, Moore and Wright have shewn great ability and skill in the execution of their contract and that the Commissioners are satisfied with the progress they have made.

Graving Dock.

The Graving Dock has not made such progress as was anticipated, the difficulty of transporting plant early in the season from the contractors' former works, at St. Catherines, Lachine Canal, contributed to the delay. But for the special character of the entrance works, floating plant and special machinery were required for which provision had to be made.

The sill of the Graving Dock and the work beneath it being situated below the level of the old Government wharf, the side of that work had to be cased in with sheet piling. This has been effected subject only to the ordinary difficulty and risk that might be expected to arise from the settlement of the wharf from footings having to be removed to drive the piles to the depth of protection required, as an auxiliary portion of the cofferdam.

The excavation of the dock pit, the piling and the filling with concrete of the wing wall foundations are shewn on Progress Drawing No. 3 with such of the filling as has been tipped in place.

The Government Engineers at Ottawa and the Engineer of the Montreal Harbour Commission having inspected and approved these plans and the method of construction which have proved so successful elsewhere, little will remain but to give the contractors, Messrs. Larkin Connolly & Co. credit for every intention to do their best

although the progress so far has seemed somewhat slow to bring this most important work to a successful completion.

Mr. Morris of the firm Kinniple and Morris, Engineers in chief both to the Harbour and Graving Dock works, when recently in Quebec, on his usual visit of inspection, expressed himself well pleased with the progress and the manner in which the works generally were being carried out. Mr. Morris also spoke in praise of the ability and care displayed by the Resident Engineer, Mr. Woodford Pilkington M. I. C. E., in the superintendence of the works.

Many engineers have visited these works and all, without exception, speak in high terms of the first class character of the work that is being executed.

Lifting Barge.

In the beginning of the month of May, the Lifting Barge was towed from her winter quarters to the Commissioners' Wharf and, immediately after, a sufficient number of men, forming part of the former crew, was placed on board under the charge of Captain Claude Giguère, who had been previously re-engaged, and the work of preparing her for the resumption of her operations was proceeded with without delay.

On the 27th of the same month, she left the Commissioners' Wharf for the Fly, Bank where Captain Giguère had been directed to go with instructions to work at the boulders till the weather would permit him to return to the wreck known as *L'Original* upon which the barge was engaged the previous year, from the 24th September to the close of navigation.

Just as Captain Giguère was to make fast one of the largest boulders the master of a ship in the Harbour reported one of his anchors fast at the bottom, stating in the meantime that he had broken his windlass in attempting to secure his anchor.

The master of the Lifting Barge was, thereupon, directed to make a survey in order to ascertain the nature of the obstruction reported. Having reported that the anchor in question was caught in a nest he was immediately ordered to proceed to the spot with the barge in order to secure this nest which was not known as existing.

The nest, consisting of only two anchors and 98 fathoms of chain, was raised in a few days.

One of these anchors with 30 fathoms of chain was claimed by and delivered to the master of the ship *President* upon proof that he was the owner of the same.

The work of raising the boulders was afterwards resumed and continued till the 30th June, during which period twenty-two boulders were secured of the following approximate weights:

1	weighing about	50 tons.							
1	do	25	do						
2	do	6	do	each.					
3	do	4	do	do	and the remainder of the average of about	2			

With the kind permission of Mr. John Roche, the two largest of these boulders were landed and blasted with dynamite at his cove. The fragments were then placed in *bateaux* and conveyed to the Commissioners' wharf where they were discharged. The others were deposited in a depth of 200 feet of water in the south channel opposite St. Joseph de Levis.

On the 30th June the barge was towed on the wreck known as *L'Original* where she worked without interruption until the 2nd October, at which date the remainder of the wreck was safely landed inside Blais' booms.

During the operations dynamite has been used in the same manner and with the same effect as last year.

The immense raising power of the Lifting Barge, combined with the help of that powerful explosive material have been the sole agents that have proved so successful in the removal of such an obstruction, and its disappearance has been learnt with the greatest satisfaction by all parties interested.

One anchor and about ten fathoms of chain have been found in the wreck.

From the 2nd October to the close of the navigation the barge has been steadily engaged in raising the boulders inside the Fly Bank, during which time 99 have been secured of the average weight of about 2 and 3 tons, giving a total of 121 boulders raised this year. By adding the 18 boulders raised the previous year gives a total of 139 to date taken from inside the Fly Bank.

Although we might be induced to infer from this that the obstructions caused by the boulders have ceased, it has been established by a careful survey, that there are still a larger number in existence.

Since the Commissioners have undertaken the dredging of the channel inside the Fly Bank the removal of all the boulders in this channel has become a necessity. The Commissioners are therefore in hope that the Government will place in their Estimates for next year a sum of ten thousand dollars, in order to enable them to complete the work of clearing the harbour.

In compliance with the instructions conveyed by the letter from the Secretary of your Department, dated the 13th October last, tenders have been invited for the purchase of the balance on hand of the anchors, chains and shackles raised by the Lifting Barge.

The following is a statement of the tenders received :—

1. Pillow, Hersey & Co.
75 cts. per 100 lbs. for chains and shackles, and 60 cts. for anchors.
2. J. Parke & Sons.
61½ cts. per 100 lbs. for chains and 1 ct. per lb. for shackles.
3. Walter Grose.
\$17. per gross ton for chains and \$15 per gross ton for anchors.
4. Carrier Lainé & Co.
\$16. per gross ton for chains and anchors.
5. Jas. McDonald.
\$16.50. per gross ton for anchors and chains,
6. W. & R. Brodie. No. 1.
\$18. per ton of 2000 lbs. for 100 tons of chains, and \$20. per ton of 2000 lbs. for anchors.
7. W. & R. Brodie. No. 2.
\$16. per ton of 2000 lbs. for chains, and \$20. per ton of 2000 lbs. for anchors.
8. C. & W. Wurtele.
\$8.50. per ton of 2000 lbs. for chains and shackles.
9. Ross & Co.
\$15.50. per ton of 2240 lbs. for anchors and chains.

Messrs W. & R. Brodie's Tender No. 2, being the most advantageous, has been accepted. The tender was made for the Nova Scotia Coal Company.

On account of the advanced stage of the season it has been impossible for the tenderers to take away the stock they had purchased, and all the chains with only five anchors have been delivered.

The Commissioners are obliged to keep the remainder free of charge till the month of May next.

The annexed No. 1 comparative statement will give you full particulars as to the cost of the Lifting Barge and her yearly working expenses from the beginning of her operations in 1875, as also the yearly quantity of anchors, chains, boulders, &c., secured by her during the same period.

I beg leave to state that the repairs made to the barge, last year, under the supervision of the Port Warden, Captain Dick, have proved so efficient that none have been needed this year.

I am most happy in conclusion, to have to state also that Captain Giguère, has given, this year the same satisfaction, as formerly, in the execution of his duties as master of the barge.

Ballast.

The By-Law of 1877 respecting the ballast has continued to give the same satisfaction as during the previous years.

Eleven thousand four hundred and ninety tons (11,490) of filling material, representing the ballast of thirty-two vessels, have been discharged into the breakwater during the season of navigation.

The aggregate quantity of ballast secured, since the By-Law has been in operation, amounts to forty-five thousand six hundred and thirty-three tons (45,633) being the ballast of one hundred and twenty-one (121) vessels.

The Pointe-à-Carcy Wharf, more commonly known as the Commissioners' Wharf, has been furnished with all the ballast that could be obtained. The quantity secured during the year, for this wharf amounts to four thousand six hundred and eighty-six (4,686) tons.

It is estimated that it will take close to ten thousand tons more of material to complete the ballasting of that property.

As stated already in my report for 1878, the filling up of the whole Pointe-à-Carcy wharf is considered as a necessity, and the Commissioners will lose no time in having such an improvement completed, provided they can secure the filling material which is not always easy to have.

The roadway mentioned in my last Report has been completed during the summer and is now considered as the most important improvement for the safety of the large number of heavily loaded vehicles circulating continually on the wharf.

The expenditure connected with the ballast of the breakwater and of Pointe-à-Carcy wharf amounts to seventeen hundred and seventy-two dollars and eighty-two cents (\$1,772.82) for the year divided as follows:—

Breakwater.....	\$905 20
Pointe-à-Carcy.....	867 62

Repairs to Property.

The usual necessary repairs have been done to the property of the Commission.

At the opening of the navigation, the Breakwater having been carefully surveyed it was ascertained that a portion of its planking was rotten and that a great number of beams were broken. The whole has been repaired at a cost of thirteen hundred and sixty-eight dollars and fifty-six cents (\$1,368.56.)

The main portion of the Breakwater is now in a very good condition. The northern end, called L, will have to be repaired during next summer. On account of the works of the Harbour improvements, which were started from that part, it has not been possible to do anything there, up to the present in the shape of repair.

A sum of fourteen hundred and sixty-five dollars and fifty-nine cents (\$1,465.59) has been expended on the property known as Reynar's Wharf. It has been necessary to renew the whole front of the wharf from a line of four feet below low water mark to a depth of forty feet.

The repairs to that wharf are not yet completed and it is estimated that it will require a further expenditure of about two hundred dollars (\$200) to put it in a perfect condition at the opening of navigation.

It has required a very small amount to keep in good order the remainder of the property belonging to the Commission.

The Commissioners have decided to repair the south face of Atkinson's wharf which is in a very delapidated condition. They have not yet been able to carry out their decision on account of the coals that were stored on the wharf at the close of the navigation; but, as soon as the weather will permit, next Spring the repairs in question will be effected.

Wharf for the Grand Trunk Ferry.

During the Winter of 1878-79 the Grand Trunk authorities applied for the lease of the portion of the Commissioners' property comprised between East India wharf and Wellington wharf in order to use it for their ferry. As the greatest part of the property applied for was a pond, the conditions of the proposed lease were that the Commissioners would undertake to build a wharf with the necessary steps suitable for the ferry, the rest of the necessary buildings, comprising offices, freight shed, etc., to be at the charge of the Grand Trunk Company.

Negotiations have resulted in an agreement by which the Commissioners undertook to build a wharf, according to the plan agreed upon, and to grant a lease of the same to the Grand Trunk Company for a period of ten years at the rate of two thousand dollars (\$2,000) per annum.

An expenditure of fifteen thousand six hundred and twelve dollars and fifteen cents (\$15,612.15) has been incurred for the building of the wharf, including the filling up of the pond in rear.

The wharf with all its dependencies were duly delivered to the Grand Trunk on the 8th of the month of July.

The area of the premises rented comprises a frontage of 98 feet with a depth of 300 feet.

The Quebec, Montreal, Ottawa and Occidental Railway terminus to deep water.

The negotiations, mentioned in my last report, respecting the Q. M. O. & O. Railway Terminus to deep water have since made no progress.

Notwithstanding, the Commissioners have decided, in the interest of the Harbour Improvements, to build a cribwork on the north face of the embankment for the purpose of bringing the railway to deep water. The cribwork is completed and the Commissioners are now prepared to enter into an agreement with the Government for the granting of the right of way on the new works.

The Government have made an arrangement with the tenant of the Pointe-à-Carey wharf for the running of their railway; but this tenant having become insolvent since the arrangement was effected and the premises occupied by him having been surrendered to the Commission, a new arrangement will have to be made with the Commissioners if the railway is to continue to use the wharf.

Dredging of the channel inside the Fly Bank.

The Commissioners have had, for the last year, under their consideration the question of the dredging the channel inside the Fly Bank. The necessity of this improvement having been established, tenders to perform the work were invited and the contract has been awarded to Mr. Pierre Fradet, of this City.

The channel way to be dredged measures 500 feet in length by 70 feet in width to a depth of 16 feet below low water mark.

The contractor is paid sixty cents per cubic yard, scow measurement, and is bound to deposit all the material dredged in such part of the works of the Harbour Improvements now being constructed as may be directed by the contractors of the Harbour Improvements.

The contractor has already dredged 2,953 cubic yards, and as soon as the weather will permit, in May next, he will resume his work which he expects to complete in July or August.

Open Exchange.

The filling up of the piece of ground opposite the Custom House, transferred to the Commission by the Government for the purpose of turning it into an open exchange has commenced, and three thousand six hundred and sixty (3,660) tons of material have been deposited into that spot. Unless the material could be secured

in large quantities it is probable that it will still take two or three years to complete this improvement.

Coasting and Foreign Trade.

The following is a statement of the arrivals of the season in connection with coasting trade :

Cargoes by Schooners.....	1,042
" " Bateaux.....	1,602
" " Barges.....	239
" " Steamboats.....	346

Total 3,229

representing an aggregate tonnage of 287,353 tons inwards, being an increase of 3,877 tons on the previous year.

Forty-five thousand six hundred and twenty-four (45,624) passengers have been landed at the port, during the season by the vessels engaged in the coasting trade, representing an excess of 3,024 passengers on the arrivals of 1878.

The annexed comparative statement No. 2, prepared by Mr. Belleau, one of the Custom Officers, contain the usual information respecting the Foreign Trade of this port for this year and the previous years therein mentioned.

Annex No. 3 prepared by the chief clerk, contains a statement of the various inward entries made by the coasting vessels for the season of 1879.

Annex No. 4, also prepared by the chief clerk, contains a statement of lightered cargoes inwards and outwards for the same season.

The various statements annexed respectively numbered 5, 6, 7, 8 and 9, convey the information of the same nature that your Department have been hitherto supplied with.

Revenue.

The following is a Comparative Statement of the Revenue of the Commission for the two last years.

	1878	1879	Difference in 1879.	
	\$ cts.	\$ cts.	\$ cts.	
Tonnage Dues	24,877 12	25,631 33	954 21	Increase.
Import do	2,993 47	2,549 37	444 10	Decrease.
Export do	6,105 86	5,969 84	136 02	do
Harbour do	3,834 23	3,397 42	436 81	do
Property Revenue.....	23,652 24	21,867 99	1,784 25	do
Interest	2,916 54	2,654 37	262 17	do
R. & D. Water Lots	2,175 37	2,175 37	.....	.....
Sundries.....	1 00	136 17	135 17	Increase.
" " Anchors and Chains .....	.....	339 59	339 59	do
Total	66,355 83	64,721 45	1,634 38	Decrease.

In spite of the continued depression of business and the fact that, during the past season, the arrivals were even smaller than in 1878, the Commissioners have established with satisfaction that the surplus of the Revenue over the Expenditure of the year is represented by the sum of five thousand eight hundred and eleven dollars and seventy-nine cents (\$5,811.79).

The whole respectfully submitted.

A. H. VERRET,
Secretary-Treasurer.

QUEBEC HARBOUR COMMIS

STATEMENT showing the cost of the Lifting Barge; her yearly working of, and what re

Cost of the Lifting Barge built in 1874-75.	Working ex-penses in 1875.	Working ex-penses in 1876, including repairs.	Working ex-penses in 1877, including repairs.	Working ex-penses in 1878, including repairs.	Working ex-penses in 1879.	Quantity of Anchors, Chains, Boulders, &c., raised in				
						1875.	1876.	1877.	1878.	1879.
\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.					
35,184 56	1,735 29	15,301 79	11,766 00	10,555 23	9,832 73	Four anchors and about 250 fathoms of chain.	57 anchors and 1,425 fathoms of chain.	101 anchors and 3,291 fathoms of chain.	Eight anchors, 96 fathoms of chains, 18 boulders, the wreck of the steamer "Bidder," and about one-fourth of the wreck known as "L'Original."	Three anchors, 100 fathoms of chain, 121 boulders and remainder of the wreck known as "L'Original."

N.B.—One of the anchors, with thirty fathoms of chain, raised in 1879, were claimed and delivered 1879, only the chains with five anchors and the scrap were delivered. The remainder of the stock,

SEALERS' LIFTING BARGE.

expenses; also, yearly quantity of Chains, Anchors, &c., raised and disposed
remaining on hand.

Quantity of Anchors, Chains, &c., disposed of in					Quantity of Anchors, Chains, &c., on hand, the 31st December, 1879.	Proceeds of the sale of Anchors, Chains, &c., in				
1875.	1876.	1877.	1878.	1879.		1875.	1876.	1877.	1878.	1879.
None.	11 anchors and 3,231 lbs. of chain.	36 anchors and 99,074 lbs. of chain and broken anchors sold as scrap.	14 anchors, 79,080 lbs. of chain, seven shackles and one stock.	All the stock on hand of anchors, chains and scrap.	176 shackles.	\$ cts. None.	\$ cts. 839 88	\$ cts. 1,761 53	\$ cts. 1,447 18	\$ cts. 3,400 25

to the owner. Although the whole stock on hand of anchors, chains and scrap has been disposed of in
consisting of anchors only, will be delivered in May, 1880, according to agreement.

Certified.

A. H. VERRET.

Secretary-Treasurer.

PORT OF QUEBEC.

COMPARATIVE STATEMENT of the Number and Tonnage of Sailing Vessels and Steamers, with the Number of Men employed, entered Inwards and Outwards, for the Years ending on the 31st December, 1878 and 1879; showing the Countries from whence they came and for which they cleared, whether with Cargo or in Ballast; also, distinguishing the Countries to which they belonged.

		Return of Vessels Inwards for the Years ending 31st December, 1878 and 1879.				Return of Vessels Outwards for the Years ending 31st December, 1878 and 1879.				
		1878.		1879.		1878.		1879.		
		Vessels.	Tons.	Men.	Vessels.	Tons.	Men.	Vessels.	Tons.	Men.
Total Vessels arrived...		686	616,523	15,892	628	611,918	15,842	672	603,705	15,473
Vessels with cargoes...		325	357,804	10,372	314	372,519	10,916	672	603,705	15,473
do in ballast.....		341	258,719	5,520	314	239,399	4,926			
Total		666	616,523	15,892	628	611,918	15,842	672	603,705	15,473
Number of Steamers.....		107	177,672	6,517	130	221,158	7,747	93	157,461	5,993
do Sailing Vessels		569	438,851	9,375	498	390,760	8,095	579	446,244	9,480
Total		666	616,523	15,892	628	611,918	15,842	672	603,705	15,473
British Vessels.....		475	482,551	13,020	419	474,941	12,869	489	475,779	12,727
Foreign do		191	133,972	2,872	209	136,977	2,973	183	127,926	2,746
Total		666	616,523	15,892	628	611,918	15,842	672	603,705	15,473
<i>Under what Flag.</i>										
British		475	482,551	13,020	419	474,941	12,869	489	475,779	12,727
United States		6	4,378	85	3	5,006	47	6	4,775	80
French		5	1,618	62	1	424	15	5	2,763	61
Norwegian and Swedish		185	116,782	2,484	198	128,761	2,808	159	109,911	2,412
German Empire		11	15,951	145	4	2,186	60	9	6,550	123
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French		5	1,618	62	1	424	1			

	1	1,509	29	1,070	15,842	Portuguese	2	1,069	32	1	414	12
	2	2,249	38	1,927		Russian	2	2,249	38	1	470	11
	1	1,505	34	1,070		Danish	2	2,249	38	1	927	18
	1	1,505	34	1,070		Italian	2	2,249	38	2	1,808	37
Total	666	616,523	15,892	611,918	15,842	Total	672	603,705	15,473	640	589,493	15,003
<i>Whence Arrived.</i>												
United Kingdom	544	542,021	14,145	509,178	13,557	United Kingdom	588	574,839	14,626	548	562,000	14,180
Newfoundland	13	2,015	121	1,211	75	Newfoundland	30	3,940	211	36	4,441	244
St. Pierre Miquelon	4	608	30	68	4	St. Pierre Miquelon	8	788	44	14	973	67
United States	4	2,473	57	1,187	19	British West Indies	21	9,067	260	8	181	7
British West Indies	9	1,950	70	3,472	132	France	6	2,554	59	9	5,181	113
France	24	16,226	365	19,290	430	Portugal	3	1,898	44	1	3,681	98
Spain	2	1,243	31	8,661	165	Belgium	1	871	16	1	460	11
Portugal	6	3,248	77	623	19	Holland	2	777	23	3	1,601	35
Belgium	5	4,704	104	5,297	112	Germany	1	459	12	1	665	15
Holland	6	4,225	92	4,133	97	Gibraltar	5	1,639	45	11	4,560	120
Norway and Sweden	28	18,702	403	33,876	770	South America	1	228	9	1	227	9
Italy	6	7,867	142	5,666	102	Africa	3	2,022	48	2	1,935	39
Germany	8	6,731	139	8,405	150	Peru	4	4,623	86	2	2,696	41
South America				1,108	26	Australia						
Africa				2,452	54	Ile of Man						
Gibraltar				1,443	31							
Brazil	4	3,069	69	3,560	58							
St. Peter	1	133	6	282	9							
St. Paul	1	1,320	26	2,006	32							
Greece	1	1,478	25									
Egypt	1											
Total	666	616,523	15,892	611,918	15,842	Total	672	603,705	15,473	640	589,493	15,003

N.B.—Flags.—Under the German Empire are included vessels of Prussia, Hamburg, Bremen, Mecklenberg, &c.

COMPARATIVE STATEMENT of Vessels entered Inwards and Outwards at the Port of Quebec, showing the Number of Vessels, Tonnage, and number of Men employed, distinguishing the number of Vessels Entered and Cleared at Out-Ports, for the years 1875, 1876, 1877, 1878 and 1879.

INWARDS.

	1875.			1876.			1877.			1878.			1879.		
	Vessels.	Tons.	Men.	Vessels.	Tons.	Men.	Vessels.	Tons.	Men.	Vessels.	Tons.	Men.	Vessels.	Tons.	Men.
Port of Quebec.....	775	552,627	17,661	920	795,531	20,428	928	836,822	20,135	606	580,642	15,050	579	582,982	15,197
Out-Port of Chicoutimi	34	17,292	442	29	16,081	399	27	17,945	400	32	22,620	485	28	17,400	381
do Tadoussac	5	2,021	57	3	1,258	37	5	3,215	72	7	2,737	77	6	2,583	67
do Escoumains.....	1	654	14	14	6,799	173	1	271	9	5	1,752	59	.....	.....	.....
do Sault-au-Coch'n	6	3,272	78	4	2,061	50	8	4,441	105	8	3,745	102	5	3,631	73
do Betsiamits.....	3	1,449	39	6	2,886	77	13	9,406	198	8	5,027	119	10	5,352	124
Grand Total for Quebec	824	577,315	18,291	976	824,616	21,164	962	872,100	20,919	666	616,523	15,892	628	611,918	15,812

OUTWARDS.

Port of Quebec.....	770	637,232	17,525	920	743,088	19,313	938	828,739	19,845	610	567,069	14,612	585	559,767	14,319
Out-Port of Chicoutimi	35	17,401	448	29	16,081	399	27	17,945	400	33	22,802	492	34	18,160	420
do Tadoussac	5	2,021	57	3	1,258	37	5	3,215	72	8	3,310	89	6	2,583	67
do Escoumains.....	1	654	14	14	6,799	173	1	271	9	5	1,752	59	.....	.....	.....
do Sault-au-Coch'n	6	3,272	78	4	2,061	50	8	4,441	105	8	3,745	102	5	3,631	73
do Betsiamits	3	1,449	39	6	2,886	77	13	9,406	198	8	5,027	119	10	5,352	124
Grand Total for Quebec	820	662,029	18,161	986	772,173	20,049	992	864,017	20,629	672	603,705	15,473	640	589,493	15,003

DOMINION IMPORTS AT QUEBEC.

REPORT of Principal Entries inwards, by vessels from all parts of the Dominion, at this Port, for the Season ending 30th of November, 1879.

	November.	Previously Reported.	Total.		November.	Previously Reported.	Total.
Schooners.....	88	954	1,042	IMPORTS—Continued.			
Batteaux.....	218	1,384	1,602	Drugs...cases and boxes	476	4,349	4,825
Barges.....	9	230	239	do.....brls.	4	356	360
Steamers.....	30	316	346	do.....crates	.....	212	212
Tonnage.....	33,990	253,363	287,353	Deals.....pieces	9,733	701,395	711,128
Crews.....	1,437	14,358	15,795	Dry Fish.....cwts.	.....	1,050	1,050
Passengers.....	1,352	44,272	45,624	Eggs.....doz.	8,010	76,973	79,983
IMPORTS.				do.....brls.	.....	358	358
Apples.....brls.	4,961	12,257	17,218	Eels....."	504	131	635
Ale and Porter..."	490	2,361	2,851	Flour....."	7,950	64,764	72,714
do.....hhds.	303	1,417	1,720	do.....bags..	6,124	93,092	99,216
Almonds & Nuts..bags.	54	704	758	Feathers....."	384	2,948	3,332
Agricultural Im-plements.....pkgs.	.....	399	399	Furniture.....loads.	31	391	422
Axes.....boxes	183	922	1,105	Fruit.....brls.	.....	1,387	1,387
Biscuits....."	916	6,455	7,371	do.....cases.	38	3,797	3,835
do.....brls.	.....	217	217	Fowls.....	1,040	14,022	15,062
Brandy.....cases.	165	2,131	2,296	Glue.....brls.	7	323	330
do.....qr-casks	.....	158	158	Gin....."	.....	43	43
Boots and Shoes..cases.	103	790	893	do.....cases.	275	3,568	3,845
Blacking....."	492	7,409	7,901	do.....hhds..	6	52	58
Beef.....brls.	132	2,033	2,165	Grain.....bush.	1,006	10,408	11,414
do.....tirs.	.....	6	6	Glassware.....brls.	14	441	455
Barley.....bush.	996	3,836	4,832	do.....crates	.....	99	99
Bran.....tons.	333	3,420	3,753	do.....boxes.	800	7,854	8,654
do.....bags..	.....	377	377	Gravel.....bush..	.....	6,621	6,621
Brooms.....pkgs..	317	2,333	2,650	Geese.....	184	8,260	8,444
Butter.....lbs.	38,540	102,795	141,335	Green Fish.....brls.	434	2,062	2,496
do.....kegs.	.....	2,471	2,471	do.....cwts.	.....	364	364
Baking Powder..."	616	9,469	10,085	Hides.....pkgs..	3,300	32,368	35,668
Bricks.....M.....	289	2,053	2,342	Horses.....	35	794	829
Boards.....pcs.	16,200	79,661	95,861	Hardware.....hhds.	70	876	946
Bark.....cords	722	5,924	6,646	do.....brls.	14	633	647
Balsam.....galls.	.....	1,430	1,430	do cases & boxes	434	3,762	4,196
Beans.....bush.	131	278	409	do.....kegs.	70	120	190
Blueberries.....boxes	.....	15,058	15,058	Hoops.....	3,000	23,000	26,000
Cigars.....cases	24	600	624	Herrings.....brls.	.....	1,603	1,603
Cheese.....boxes	356	22,727	23,083	Hay.....bdls..	33,176	202,974	236,150
Coals.....tons.	.....	2,370	2,370	Hops.....bales.	36	216	252
Crockery.....trls.	3	578	581	Iron.....pkgs.	6,200	60,523	66,723
do.....cases.	.....	78	78	Leather....."	58	4,327	4,385
Coffee.....brls.	18	557	575	Lard.....kegs..	210	2,150	2,360
do.....bags..	119	1,058	1,175	Linseed.....bush..	2,425	2,574	4,994
Currants.....brls.	18	333	351	Molasses.....puns.	.....	108	108
Cattle.....No.	168	3,536	3,704	do.....brls.	.....	418	418
Carpets.....bales	27	223	250	Machinery.....cases.	.....	122	122
Cardage....."	72	1,213	1,285	do.....pkgs.	34	1,563	1,597
Canada Plates...cases.	351	4,964	5,315	do.....pieces	.....	5	5
Champagne....."	27	368	395	Maccaroni.....boxes	2,000	17,474	19,474
Candles.....boxes	62	302	364	Matches.....cases.	106	5,441	5,547
Cedar Beams.....No.	.....	391	391	Mineral Water...brls.	4	188	192
Clocks.....cases.	24	331	355	Maple Sugar.....lbs.	.....	11,450	11,450
Corn.....bush..	16,572	43,070	59,642	Mackerel.....brls.	244	346	590
Confectionrey, Cases and brls.	67	810	877	Marble.....pkgs.	33	768	801
Cows.....No.	.....	40	40	Nails and Spikes..brls.	507	3,116	3,623
Coal Oil.....galls.	4,615	25,510	30,125	do.....kegs.	510	8,750	8,260
				do.....boxes	.....	2,474	2,474
				Oats.....bush..	6,332	74,065	80,387
				Oakum.....bales.	126	2,522	2,648

DOMINION IMPORTS AT QUEBEC—Continued.

REPORT of Principal Entries inwards, by vessels from all parts of the Dominion, at this Port, for the month of November, 1879.

	November.	Previously Reported.	Total.		November.	Previously Reported.	Total.
IMPORTS—Continued.				IMPORTS—Concluded.			
Old Iron..... cwt.	100	228	328	Straw..... bcls.	300	1,125	1,425
Potatoes..... bush.	14,080	32,110	46,190	Spices..... boxes	1,116	2,885	4,001
Pork..... brls.	216	2,668	2,884	Showels & Spades pkgs.	48	1,810	1,858
Pease..... bush.	360	9,588	9,948	Soda Carb..... brls.	82	415	447
Perch and Pickets.....	1,500	8,350	9,835	Scales..... cases	33	310	343
Phosphate..... tons.		1,216	1,216	Scythe handles... pkgs.		251	251
Raisins..... brls.	16	10,398	10,414	Stationery..... cases	70	432	502
do..... boxes	2,416	3,791	6,207	Spokes of wheels.....		1,300	1,300
Rice..... brls.	148	194	342	Tea..... boxes	1,816	6,852	8,668
Rakes..... pkgs.		2,426	2,426	do..... catties		144	144
Rags..... cwt.		27	27	Tobacco..... cad.			
Rosin..... brls.	371	885	1,256	do..... brls.		1,734	1,734
Refrigerators.....		91	91	do..... cases.	300	4,807	5,107
Sugar..... hhds.		217	217	do..... boxes		3,248	3,248
do..... brls.	700	2,583	3,283	do..... kegs.		250	250
Smoked Herring. doz.		22,000	22,000	Trout..... brls.	4	18	22
Shingles..... M.		2,929	2,929	Tin..... boxes	910	5,395	6,305
Salmon..... boxes		295	295	Turpentine..... brls.	34	236	320
do..... brls.	58	424	482	Tar..... "	58	974	1,052
Sewing Machines. crates	55	795	850	Wine..... cases.		1,018	1,018
Starch..... boxes	800	7,832	8,632	do..... brls.	275	860	1,141
Soap..... cases.		1,165	1,165	do..... qr-casks		70	70
do..... boxes	2,200	13,883	16,083	do..... hhds.		78	78
Steel..... pkgs.	316	8,352	8,668	Whiskey..... brls.		361	361
Seeds..... bags.	232	2,133	2,361	do..... hhds.		46	46
Seal Oil..... galls.		36,558	36,558	Wheat..... bush.	30	3,040	3,070
Sealskins.....		3,450	3,450	Wood..... cords.	4,398	44,366	50,764
Sheep.....	496	2,673	3,169	White Birch Bark.....		87,400	87,400
Stones..... toises	55	763	818	Washboards..... pkgs.	100	232	332
Slabs..... loads	130	2,734	2,864				

JAMES WOODS,
Chief Clerk.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, 3rd December, 1879.

LIGHTENED CARGOES.

ALLAN LINE—INWARDS.

Date.	Name of Steamer.	Number of Tons.	Amount.
1879			\$ cts.
April 30...	Circassian	76	7 60
do 30...	Waldensian	8	0 80
May 5...	Sardinian	77	7 70
do 7...	Phœneecian	19	1 90
do 15...	Canadian	21	2 10
do 19...	Peruvian	28	2 80
do 19...	Manitoban	2	0 20
do 12...	Caspian	58	5 80
do 26...	Polynesian	38	3 80
June 2...	Sarmatian	9	0 90
do 4...	Prussian	1	0 10
do 14...	Sardinian	39	3 90
do 17...	Phœneecian	8	0 80
do 21...	Moravian	34	3 40
do 21...	Scandinavian	8	0 80
do 23...	Canadian	16	1 60
do 20...	Peruvian	96	9 60
July 1...	Corinthian	30	3 00
do 7...	Nestorian	12	1 20
do 7...	Manitoban	37	3 70
do 2...	Polynesian	145	14 50
do 14...	Prussian	1	0 10
do 14...	Sarmatian	175	17 50
do 19...	Circassian	306	30 60
do 19...	Waldensian	102	10 20
do 26...	Phœneecian	99	9 90
do 28...	Sardinian	276	27 60
Aug. 1...	Scandinavian	38	3 80
do 4...	Moravian	181	18 10
do 5...	Canadian	72	7 20
do 9...	Peruvian	347	34 70
do 12...	Corinthian	52	5 20
do 18...	Manitoban	61	6 10
do 18...	Polynesian	173	17 30
do 25...	Sarmatian	196	19 60
do 30...	Waldensian	22	2 20
do 1...	Circassian	194	19 40
do 8...	Sardinian	125	12 50
do 10...	Phœneecian	44	4 40
do 15...	Canadian	28	2 80
do 15...	Moravian	143	14 30
do 22...	Peruvian	136	13 60
do 29...	Manitoban	30	3 00
do 29...	Polynesian	145	14 50
do 6...	Corinthian	6	0 60
do 17...	Prussian	376	37 60
do 17...	Sarmatian	683	68 30
do 10...	Waldensian	43	4 30
do 13...	Circassian	71	7 10
do 20...	Sardinian	65	6 50
do 20...	Phœneecian	41	4 10
do 22...	Scandinavian	6	0 60
do 28...	Moravian	46	4 60
do 3...	Peruvian	46	4 60
do 4...	Manitoban	41	4 10
do 11...	Polynesian	84	8 40
do 12...	Prussian	2	0 20
do 15...	Corinthian	52	5 20
Total.....		5,270	527 00

LIGHTENED CARGOES—Continued.

DOMINION LINE—INWARDS.

Date.	Name of Steamer.	Number of Tons.	Amount.
1879.			
June 29...	Teutonia.....	40	\$ 4 00
July 14...	Brooklyn.....	26½	2 65
do 25...	Quebec.....	10	1 00
Aug. 4...	Texas.....	20	2 00
do 11...	Dominion.....	32	3 20
do 19...	Mississippi.....	6	0 60
do 25...	Brooklyn.....	14	1 40
Sept. 8...	Quebec.....	9	0 90
do 10...	Teutonia.....	2	0 20
do 17...	Texas.....	12	1 20
Oct. 1...	Brooklyn.....	89	8 90
Nov. 4...	Dominion.....	500	50 00
do 8...	Brooklyn.....	1,011	101 10
Total.....		1,771½	177 15

BEAVER LINE—INWARDS.

July 23...	Lake Champlain.....	732	73 20
Nov. 10...	Lake Winnipeg.....	700	70 00
Total.....		1,432	143 20

SUNDRY STEAMERS—INWARDS.

July 15...	Lucerne.....	86	8 00
Aug. 26...	do.....	59	5 90
Nov. 29...	Bellona.....	60	6 00
Total.....		205	20 50

LIGHTENED CARGOES.

ALLAN LINE—OUTWARDS.

Date.	Name of Steamers.	Number of Tons.	Amount.
1879.			\$ cts.
May 16..	Sardinian	10	0 50
July 7..	Scandinavian	176	8 80
do 16..	Nestorian	259	12 95
do 17..	Manitoban	428	21 40
do 18..	Moravian	364	18 20
do 18..	Polynesian	470	23 50
do 22..	Prussian	482	24 10
do 25..	Sarmation	534	26 70
Aug. 1..	Circassian	552	27 60
do 8..	Sardinian	577	28 85
do 9..	Scandinavian	317	15 85
do 15..	Canadian	218	10 90
do 22..	Corinthian	142	7 10
do 22..	Peruvian	311	15 55
do 25..	Nestorian	400	20 00
do 29..	Manitoban	454	22 70
do 29..	Polynesian	760	38 60
Sept. 6..	Prussian	737	36 85
do 5..	Sarmatian	983	49 15
do 10..	Waldensian	363	18 15
do 12..	Circassian	901	45 05
do 19..	Phoenesian	75	3 75
do 20..	Sardinian	917	45 85
do 20..	Scandinavian	824	41 20
do 25..	Canadian	279	13 95
do 26..	Moravian	515	25 75
do 3..	Nestorian	519	25 95
do 3..	Peruvian	341	17 05
do 11..	Polynesian	920	46 00
do 7..	Manitoban	133	6 65
do 14..	Corinthian	210	10 50
do 14..	Prussian	925	46 25
do 17..	Sarmatian	510	25 50
do 19..	Waldensian	92	4 60
do 25..	Circassian	822	41 10
do 25..	Phoenesian	90	4 50
do 31..	Sardinian	1,005	50 25
do 31..	Scandinavian	953	47 65
Nov. 22..	Corinthian	80	4 00
do 7..	Moravian	822	41 10
do 13..	Nestorian	945	47 25
do 14..	Peruvian	376	18 80
do 17..	Manitoban	216	10 80
do 22..	Prussian	607	30 35
do 22..	Polynesian	1,049	52 45
	Total	22,663	1,133 15

BEAVER LINE—OUTWARDS.

Oct. 11..	Lake Winnipeg	350	17 50
do 24..	Lake Nipegon	300	15 00
do 10..	Lake Champlain	200	10 00
do 20..	Lake Nipegon	250	12 50
	Total	1 100	55 00

LIGHTENED CAROGES—Continued.

DOMINION LINE—OUTWARDS.

Date.	Name of Steamers.	Number of Tons.	Amount.
1879.			
July	1... Viking	200	\$ 10 00
Aug.	9... Scotland	440	22 00
do	18... Texas	415	20 75
do	29... Teutonia	303	15 15
Sept.	4... Brooklyn	590	29 50
do	4... Quebec	712	35 60
do	26... Scotland	520	26 00
Oct.	3... Dominion	789	39 45
do	13... Brooklyn	842	42 10
do	25... Mississippi	636	31 80
do	31... Quebec	662	33 10
Nov.	1... Viking	850	42 50
do	1... Brooklyn	1,095	54 75
do	8... Texas	654	32 70
do	14... Dominion	1,100	55 00
do	18... Scotland	900	45 00
Total.....		10,708	535 40

SUNDRY STEAMERS—OUTWARDS.

July	24... Lucerne	70	3 50
Aug.	28... Imbros	147	7 35
Sept.	23... Ocean King	347	17 35
do	25... Erl King	370	18 50
do	28... Nebo	214	10 70
Oct.	13... Bernard Carth	108	5 40
do	21... Annie	110	5 50
do	23... Mathew Curters	390	19 50
do	23... Thames	160	8 00
do	31... Standard	60	3 00
Nov.	8... Ocean King	195	9 75
do	11... Castlefield	500	25 00
do	12... Riversdale	400	20 00
do	16... Nebo	500	25 00
do	22... Mildred	1,600	80 00
do	19... Erl King	300	15 00
do	25... Govino	454	22 70
do	25... Bedouin	200	10 00
do	26... Bernard Carth	392	19 60
Total.....		6,517	325 85

SAILING VESSELS—OUTWARDS.

Nov.	7... Schr. Mary, Queen of the Seas	108	5 40
do	10... Ship Lake Superior	80	4 00
do	12... do Chippewa	335	16 75
Total.....		523	26 15

LIGHTENED CARGES—*Concluded.*

RECAPITULATION.

	Amount.	Total Amount.
	\$ cts.	\$ cts.
Allan Line—Inwards	527 00	
do Outwards	1,133 15	1,660 15
Dominion Line—Inwards	177 15	
do Outwards	535 40	712 55
Beaver Line—Inwards	143 20	
do Outwards	55 00	198 20
Sundry Steamers—Inwards	20 50	
do Outwards	325 85	346 35
Sailing Vessels—Outwards		26 15
		2,943 40

JAS. WOODS,
Chief Clerk.

REVENUE AND EXPENDITURE.

Cr.

1879.	1879.	\$ cts.	\$ cts.
Dec. 31..	Dec. 31..		
To Tonnage dues	By Officers' salaries, for year..	25,631 33	6,083 31
Import do	Schooner Reporters, for year	2,649 37	800 00
Export do	Commissioners' attendance	5,969 84	2,030 00
Harbour do	Auditors for 1878	3,397 42	150 00
Breakwater, rent	Breakwater, expenses	5,010 00	1,368 56
Point-a-Carcy Wharf, rent	Point-a-Carcy Wharf, expenses	7,288 63	881 08
Wellington Wharf, rent	Wellington Wharf, expenses	2,713 34	554 45
East India do do	East India do do	3,389 39	530 18
Atkinson's do do	Atkinson's do do	1,848 99	834 84
Grand Trunk do do	Grand Trunk do do	963 53	200 00
Reynar's do do	Reynar's do do	654 21	263 75
Beach and Deep-Water Lots	Legal expenses	2,175 37	265 80
Interest	Notarial expenses	2,654 37	138 40
Anchors and chains	Printing Commissioners' Report	339 59	75 00
Sundries	Hardware	136 17	93 93
	Fixing radiators		32 88
	Harbour Master's service, printing, advertising, cleaning office and sundries		1,238 48
	One year's interest and Sinking Fund on \$723,000 debentures		43,380 00
	Excess of Revenue		5,811 79
		64,721 45	64,721 45

A. H. VERRET,
Secretary-Treasurer.

JAS. WOODS,
Book-keeper.

DR.

BALANCE SHEET of 31st December, 1879.

CR.

	\$	cts.		\$	cts.
To Office furniture	1,271	03	By Beach and deep water lots.....	43,932	50
Amount at debit of grantees of beach and deep water lots.....	39,837	40	Quebec Harbour Debentures.....	1,073,000	00
Amount at debit of lessees of wharves and warehouses.....	10,442	07	Sinking Fund	53,914	68
Amount at debit of sundry par- ties for harbour dues	894	43	James Boyd	50	00
West India & Wellington Wharves	84,605	75	Philip Quigley & Son.....	49	50
East India Wharf.....	48,331	79	Charles H. Reynar.....	50	00
Atkinson's Wharf.....	50,945	20	Excess of Revenue.....	56,108	32
Grand Trunk Wharf.....	14,612	15	J. C. Rogers.....	50	00
Reynar's Wharf.....	9,918	29	Dominion Government for harbour improvements.....	50,000	00
Pointe-à-Carcy Wharves.....	269,540	77	Dominion Government for Grav- ing Dock	125,000	00
Breakwater.....	216,198	60			
Peters, Moore & Wright.....	411,322	74			
Larkin, Connolly & Co	56,744	65			
Wigham, Richardson & Son.....	17,520	00			
Harbour improvements.....	54,283	41			
Graving Dock	20,998	11			
Dominion Government	6,954	48			
Receiver-General of Canada, "Sinking Fund"	53,914	66			
Jackscrews account.....	394	87			
Kinipple & Morris.....	8	00			
Moore & Wright	113	17			
Open exchange.....	340	85			
Fly Bank Channel.....	39	01			
Fradet & Desrochers.....	1,350	22			
Alley & Chauveau.....	130	00			
W. & R. Brodie.....	1,299	79			
Cash.....	768	50			
La Banque Nationale.....	28,133	60			
Suspense Account.....	1,241	44			
Total	1,402,154	98	Total.....	1,402,154	98

A. H. VERRET,
Secretary-Treasurer.

JAS. WOOD,
Book-keeper.

STATEMENT of Assets and Liabilities, per Balance Sheet.—Quebec, 31st December, 1879.

ASSETS.	\$	cts.	LIABILITIES.	\$	cts.
<i>Real Estate</i> :—			<i>Quebec Harbour Debentures</i>	1,073,000	00
West India and Wellington Wharves.....	84,605	75	<i> Dominion Government</i> :—		
East India Wharf.....	49,331	79	On account Harbour Improvements.....	50,000	00
Atkinson's Wharf.....	50,945	20	do Graving Dock.....	125,000	00
Grand Trunk Wharf.....	14,612	15	<i>Sundry Competitors</i> :—		
Reynar's Wharf.....	9,918	29	Deposits for copies of Specification.....		199
Pointe-à-Carey Wharves.....	269,540	77			
Breakwater.....	216,189	60			
			<i>Surplus—compared as follows</i> :—		
<i>In re Beach and Deep-Water Lots</i> :			Beach and Deep-water Lots at Credit.....	43,932	50
Capital at Debt of sundry parties.....	35,348	49	Sinking Fund.....	53,914	66
Arrears of interest to 24th June, 1878.....	4,468	91	Excess of Revenue.....	56,108	32
do do 24th December, 1878.....	1,241	44			
					153,955
<i>Harbour Improvements</i> :—					
Peters, Moore & Wright.....	411,322	74			
Engineering and sundries.....	54,283	41			
<i>Graving Dock</i> :—					
Larkin, Connolly & Co.....	56,744	65			
Wigham, Richardson & Son.....	17,520	00			
Engineering and sundries.....	20,998	11			
<i>Fly Bank Channel</i> :—					
Advertising, etc.....	39	01			
Fradet & Desrochers.....	1,350	22			
<i>Cash</i> :—					
On hand.....	768	50			
In La Banque Nationale.....	28,133	60			
<i>Sinking Fund</i> :—In hands of Receiver-General.....	28,902	10			
<i>Bonds</i> :—Due by sundries, as per Balance Sheet.....	53,914	66			
	10,442	37			

Harbour Dues.—Due by sundry, as per Balance Sheet	564 43
Demission Government:—Due by them	6,954 48
Office Furniture	1,271 03
Jackcrews:—On hand	384 87
Kenipple & Morris:—Due by them	8 00
Moore & Wright:—Due by them	113 17
Alley & Chauveau:—Due by them	130 00
W. & R. Brodie:—Due by them	1,299 79
Open Exchange	340 86
	1,402,154 98

1,402,154 98

A. H. VERRET,
Secretary-Treasurer.

JAS. WOODS,
Book-keeper.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, 16th January, 1880.

QUEBEC HARBOUR COMMISSION.

STATEMENT of Contracts awarded by the Quebec Harbour Commissioners in connection with the Harbour Improvements and the Graving Dock, showing the Amounts received from the Dominion Government on account of same, and Total Expenditure connected with same previous to the 31st December, 1879; as also, the cost of additions to said Contracts.

Nature of Contract.	Date of Contract.	Date of completion of Contract.	To Whom Awarded.	Net Amount of Contract.	Amount of additions to Contract.	Total Amount of Contract with additions.	Total Amount paid to Contractors.	Total Amount paid for Engineering and Sundries.	Total Expenditure.	Total Amount received from the Federal Government.
				\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Harbour Improvements..	May 2, 1877	Oct. 2, 1880	Peters, Moore & Wright.	529,296 31	63,749 87	593,046 18	411,322 74	54,283 41	465,606 15	400,000 00
Graving Dock.....	Aug. 17, 1878	June 1, 1882	Larkin, Connolly & Co....	330,953 89	6,866 66	337,820 55	56,744 65	21,998 11	95,262 76	125,000 00
Caision for Graving Dock	do 7, 1879	Jan. 7, 1880	Wigham, Richardson & Co.....	29,221 50	.....	.....	17,520 00	.....	.....	.....

A. H. VERRET,
Secretary-Treasurer.

 REMARKS RESPECTING ADDITIONS TO THE HARBOUR IMPROVEMENTS' CONTRACT.

In several instances where changes in the character of certain details of work have occurred, one class of work has been substituted and paid for by the modification of another. For example, the stone superstructure stands against a modification in the lower concrete of the substructure owing to spaces deducted between the counterforts.

The first real addition was in consequence of the increase in width of the embankment which lengthened the crib-work outside near the Gas Wharf and near the Ballast Wharf, and the cost of sinking the first 120 feet of crib-work outside (as crib-work) to coping level instead of the piling and dwarf-cribs shown on the original plan. This addition amounts to \$5,391.66.

The second addition, amounting at schedule rates to \$48,940.21, represents the substitution of crib-work for a pitched slope on the entire length of the outface of the embankment up to coping level.

The third and last addition represents the substitution of coarse concrete in lieu of clay and stone filling in foundation of the caissons of the wet dock wall.

The amended plan shows a total of	\$17,357 46
By deduction of cost per original plan.....	7,939 46
	<hr/>
Gives a total extra, represented by this addition, of.....	<u>\$9,418 00</u>

REMARKS RESPECTING ADDITIONS TO THE GRAVING DOCK CONTRACT.

New road on the side of the Graving Dock property, to replace the old road destroyed, at the cost of	\$5,484 06
Extra concreting put in bags by divers at corner of the Government Wharf, at the cost of.....	1,090 44
Extra capping and walling.....	292 16
	<hr/>
	<u>\$6,866 66</u>

Certified.

A. H. VERRET,
Secretary-Treasurer.

APPENDIX No. 10.

REPORT ON THE OPERATIONS OF THE HARBOUR COMMISSIONERS
OF TORONTO, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

TORONTO HARBOUR.

Secretary of Harbour Trust in account with the Harbour Commissioners for 1879.

DR.

GENERAL BALANCE SHEET.

CR.

1879.		\$	cts.	1879.		\$	cts.
Dec. 31	Wharf property, Lighthouses, &c	68,000	00	Dec. 31	Balance to the credit of	75,779	21
do 31	Office furniture.....	833	03		Profit and Loss		
do 31	Toronto, Grey and Bruce Railway.....	952	53				
do 31	Life-boat	486	80				
do 31	Bank of Toronto, on deposit..	5,487	10				
do 31	Cash	19	75				
		75,779	21			75,779	21

Having examined the books, accounts and vouchers, and compared the balance sheet as above with the books, we certify the same are correct, and represent a true statement of the affairs of the Trust to 31st December, 1879.

JOHN CARR,
Harbour Master.

E. G. HELLIWELL,
Deputy Harbour Master.

JAMES E. DAY, }
A. B. CAMPBELL, } *Auditors.*

JAMES G. WORTS, *Chairman,* }
JOHN BAXTER, } *Harbour Commissioners.*
MORGAN BALDWIN, }

TORONTO, 31st December, 1879.

STATEMENT IN DETAIL.

		\$	cts.	\$	cts.	\$	cts.
PROPERTY ACCOUNT.							
1879.							
Jan.	2	Balance as per ledger, page 199.....		68,041	21		
<i>Credit.</i>							
Dec.	31	By Profit and Loss.....		41	21		68,000 00
OFFICE FURNITURE.							
Jan.	2	Balance as per ledger, page 207....		807	03		
Oct.	31	Stove for office.....		6	00		
Nov.	25	Stove for hall, W. H. Sparrow.....		20	00		833 03.
LIFE-BOAT.							
Jan.	2	Balance as per ledger, page 223.....					486 80.
TORONTO, GREY AND BRUCE RAILWAY.							
do	2	Balance as per ledger, page 209.....	952	53			
Dec.	31	Year's rent of Queen's Wharf.....	2,100	00		3,052	53
<i>Credit.</i>							
do	31	Payments made on behalf of rent.....		2,100	00		952 53.
CHARGES ACCOUNT.							
Jan.	14	Commissioners' fees for 1878.....		176	00		
do	14	Auditors' do.....		50	00		226 00
INSURANCE.							
do	23	Premium on Queen's Wharf storehouses.....		52	50		
Dec.	27	Premium on office furniture.....		8	50		61 00
SALARIES.							
do	31	John Carr, Harbour Master.....		1,200	00		
do	31	E. G. Helliwell, Deputy Harbour Master.....		800	00		
do	31	Captain Taylor do.....		600	00		2,600 00
NEWSPAPERS AND ADVERTISING.							
Feb.	11	Globe and Mail, subscriptions for 1879.....					14 00
OFFICE EXPENSES.							
Jan.	14	W. H. Sparrow's account.....	4	50			
Nov.	12	G. R. Cockburn, rent of office.....	360	00			
Dec.	31	Sundry items per petty cash.....	68	86		433	36
<i>Credit.</i>							
Oct.	6	Refunded by Mr. Cockburn.....		15	22		418 14
		Carried forward.....					72,591 50

STATEMENT IN DETAIL.

1879.		\$	cts.	\$	cts.	\$	cts.
<i>Brought forward</i>						73,591	50
COAL, WOOD, WATER AND GAS.							
Jan.	14	Water rate for quarter	.....	4	25		
do	14	P. Burns, account for coal	.....	6	40		
do	14	Gas rate for quarter	.....	10	20		
Feb.	11	Snarr Sons, account for coal	.....	10	50		
Oct.	8	Gas rate for quarter	.....	5	20		
do	8	J R Bailey & Co., account for coal	.....	29	50		
Dec.	31	P. Burns, account for coal	.....	20	75		
do	31	Sundry items per petty cash	.....	66	30		
						153	10
PRINTING, STATIONERY, &c.							
Feb.	11	Clougher Bros.' account	.....	5	05		
April	22	Copp, Clark and Co.'s account	.....	15	50		
Aug.	8	Hart & Rawlinson's account	.....	7	50		
do	8	Copp, Clark & Co.'s account	.....	31	25		
Oct.	8	Clougher Bros.' account	.....	6	70		
Dec.	31	Sundry items per petty cash	.....	6	70		
						72	70
DREDGING.							
June	17	R. Grant, 1st certificate, Yonge Street and Mowat's	.....	324	37		
do	17	Kivas Tully, Engineer's fees	.....	16	22		
do	17	Check Clerk's fees	.....	9	00		
July	8	R. Grant, 2nd certificate, Adamson and Burns	.....	203	13		
do	8	Kivas Tully, Engineer's fees	.....	10	15		
do	8	Check Clerk's fees	.....	6	00		
do	8	R. Grant, 3rd certificate, Don Channel	.....	1,325	25		
do	8	Kivas Tully, Engineer's fees	.....	66	26		
do	8	Check Clerk	.....	31	50		
						1,991	88
LIGHTS, BUOYS AND BEACONS.							
Jan.	9	Jackman, tug for inspection of harbour, 24th Oct. 1878	.....	25	00		
do	9	Jackman taking up buoys, Lighthouse Point, 1878	.....	50	00		
April	22	A. M. Browne, painting buoys	.....	51	00		
June	17	W. H Sparrow, oil, &c	.....	48	12		
Nov.	11	J. Neill & Sons, new buoys and repairs	.....	50	00		
do	25	<i>Mail, Globe and Telegram</i> , advertising notice to mariners	.....	13	00		
do	25	Captain Taylor, taking up buoys	.....	18	00		
Dec.	10	Captain Jackman do Lighthouse Point	.....	50	00		
do	24	A. M. Browne, painting buoys	.....	6	00		
do	31	Sundry items as per petty cash	.....	109	31		
						420	43
						76,229	61

Cr.

PROFIT AND LOSS.

Dr.

1878.		1879.		\$ cts.	
Jan. 14...	Charles Robertson, repairs to Queen's Wharf.....	Jan. 2...	Balance as per ledger, page 279.....	35 92	70,610 39
Feb. 22...	C. & H. D. Gamble, law costs.....	Feb 28...	Sale of stone.....	95 68	4 50
Aug. 26...	Charles Robertson, repairs to Queen's Wharf.....	Mar. 31...	Quarter's rent of Queen's Wharf, Toronto, Grey and Bruce Railway.....	113 53	525 00
Sept. 1...	Kivas Tully, survey of Don Channel.....	June 30...	do do.....	50 00	525 00
do 16...	E. Blake, opinion <i>in re</i> Commissioners' fees.....	Sept. 18...	Commissioners' fees refunded by J. G. Worts, from 1871 to 1878.....	20 00	420 00
Oct. 8...	C. & H. D. Gamble, account.....	do 30...	Quarter's rent of Queen's Wharf, Toronto, Grey and Bruce Railway.....	16 01	525 00
do 8...	Charles Robertson, account, repairs.....	Oct. 9...	Commissioner's fees refunded by William Cawthra, from 1871 to 1878.....	8 77	168 00
Nov. 29...	R Tuning & Bros., care of life-boat for 1879.....	Dec. 31...	Quarter's rent of Queen's Wharf, Toronto, Grey and Bruce Railway.....	60 00	525 00
Dec. 30...	Property account.....	do 31...	Interest account.....	41 21	30 70
do 31...	Sundry small items.....	do 31...	Harbour dues.....	15 37	8,859 36
do 31...	Charges.....			226 00	
do 31...	Insurance.....			61 00	
do 31...	Salaries.....			2,600 00	
do 31...	Office expenses.....			418 14	
do 31...	Coal, wood, &c.....			153 10	
do 31...	Printing, &c.....			72 70	
do 31...	Newspapers and advertisements.....			14 00	
do 31...	Dredging.....			1,991 88	
do 31...	Lights, buoys and beacons.....			420 43	
do 31...	Balance.....			75,779 21	
				82,192 95	82,192 95

JOHN CARR, Harbour Master.

E. G. HELLIWELL, Deputy Harbour Master.

JAMES E. DAY, } Auditors.
A. B. CAMPBELL, }

Audited and found correct.

TORONTO, 31st December, 1879.

COMPARATIVE Statement.—Arriving by Steamers and Vessels for 1878 and 1879.

Description.	1878.	1879.
Merchandise and all unenumerated articles	tons. 16,991	13,939
Coal.....	do 158,297	125,908
Wood.....	cords. 3,751	1,931
Stone.....	toise. 2,658	2,539
Lime, plaster, etc.....	barrels. 9,917	5,676
Fish, tallow, oil, etc.....	do 666	350
Grain.....	bushels. 245,742	215,480
Salt.....	bags. 3,153	78
Lumber.....	per M. 534,445	1,645,206
Fire brick.....	do 46,700	35,304
Common brick.....	do 236,800	690,000
Potatoes and other vegetables.....	barrels. 942	209
Fruit.....	do 7,558	6,556
do.....	boxes. 15,675	9,992
do.....	baskets. 24,991	74,447
Horses, carts, etc.....	each. 268	333
Whiskey.....	barrels. 17	None.
Moulding sand.....	tons. 1,712	645
Unwrought building stone.....	do 4,477	1,875
Porter, cider, etc.....	barrels. 318	204
Hay.....	tons. 22	15
Flour.....	barrels. 593	215
Laths and hoops.....	per M. 1,325,000	22,350
Sheep, pigs, etc.....	each. 390	245

COMPARATIVE Statement of the different kinds of Coal in the Years 1877, 1878, and 1879.

Description.	1877.	1878.	1879.
	Tons.	Tons.	Tons.
Hard coal.....	100,072	85,571	89,827
Soft coal.....	72,598	72,726	36,081
Blossburgh coal.....	1,747	.....	.....
	174,417	158,297	125,908

To the Board of Harbour Commissioners, Toronto.

GENTLEMEN,—I would respectfully submit for the information of the Board this my annual report of the operations of the Harbour Trust for the year ending 31st December, 1879, which, I regret to say, shows a falling off in the harbour receipts from the previous year.

Opening of Navigation.—The opening of navigation for shipping purposes took place on the fourteenth of April, the ice being then clear out of the harbour, and the closing of the same on the nineteenth day of December, the harbour being then completely frozen over.

Harbour Receipts.—The total receipts for harbour dues were \$8,859.36, showing a decrease from the previous year of \$1,901.

The total revenue for 1879 was \$11,422.56.

The total expenditure for 1879 was \$6,774.53.

There were to the credit of the Harbour Trust at the last annual meeting in the Bank of Toronto, \$786.77, and \$72.05 cash on hand; adding thereto the revenue for the year 1879, amounting to \$11,422.56, and deducting the amount expended on harbour works, &c., during the past year, being \$6,774.53, there remains at the close of the year 1879 a balance of \$5,487.10 to the credit of the Trust in the Bank of Toronto, and the amount of \$19.75 cash on hand.

Importations.—The total amount of coal imported during the year 1879 was 125,908 tons; during the previous season 158,297 tons of coal were imported by vessels. We have therefore a decrease of 32,389 tons in the importation of said article, which is owing to less quantities of coal being imported by private parties during the season of 1879. There was a general falling off in all other importations, with the exception of fruit, which was considerably in excess of the previous year, and a slight increase in the importation of lumber, corn and brick.

Local Items.—The following is a statement of all vessels frequenting our harbour during the season of 1879:—

Steamboats, loaded	554
do light	110
Propellers, loaded.....	245
do light	43
Sailing vessels, loaded.....	1,106
do light	163
Total	2,221

Being 5 less than last season. The usual number of tugs were employed in towing vessels, rafts, &c., besides a large number of small steamers frequenting the different pleasure resorts, parks, island, &c.

Vessels Wintering in the Harbour.—There are at present wintering in our harbour 59 vessels, including steamboats, propellers, &c., being 20 less than in 1878, 11 of which are moored in the Don Channel; seven of the latter are laden with about 133,000 bushels of corn from Chicago.

The total tonnage of vessels wintering in the harbour is 13,221 tons, which show a decrease of 3,229 tons from the previous year.

State of Water.—The water in the harbour, especially during the latter part of the season, was very low, being at times 6 inches below zero; the highest point registered was on the 1st day of January, being 22 inches above zero; and the lowest on October 30th, being 6½ inches below zero.

Although, owing to the low state of the water in Lake Ontario during the latter part of the past season, masters of vessels frequenting our harbour have in some instance had to exercise greater care in entering the channel, I am pleased to state that no difficulty stood in their way, and that our harbour has given general satisfaction to all masters of vessels using the same.

The depth of water in the West Channel proper is from 12 to 15 feet; the Don Channel, although the water being at times very low, has answered every purpose; the water in the Eastern Gap also kept very low during the latter part of the season, being at times only four feet deep.

Storm Signals.—The storm signal has been hoisted 15 times during the season, under the direction of Professor Kingston of the Magnetic Observatory; also the signal on Gibraltar Point following as soon as observed. These signals appear to work satisfactorily.

Buoys.—The buoys marking the different channels were placed out into the harbour on the opening of navigation, between the 14th and 25th April, as follows:—West Channel on the 14th; Lighthouse Point, 16th; Eastern Gap, 21st; and Don Channel on the 25th. They were taken up on the close of navigation:—in the Eastern Gap, November 26th; Lighthouse Point, December 8th; Don Channel, December 15th; and Western Channel, December 17th. From the number of serviceable buoys on hand I do not anticipate that any more buoys will be required for the next season.

Lighthouse Queen's Wharf.—The two range lights on the Queen's Wharf Lighthouse were lit up on the 14th April, and discontinued on the 24th December. No changes have as yet been made in the lights on this Pier, it having been considered better to defer the change contemplated until the completion of the dredging in the Western Channel.

Dredging.—The dredging done in the harbour, during the past season, was principally in connection with the different slips and docks.

This work was carried on by Mr. Grant at a total cost of \$1,991.88; and the amount dredged was 14,822 yards.

If the water should continue at anything like its present low state considerable dredging will necessarily be required next season.

Government Works.—The Government works were continued in the West Channel during the past season by Messrs. Murray and Hunter, contractors, under the direction of Mr. Kingsford, C.E., and superintended by Capt. Paul. I must repeat here, as I have said in my last annual report, that the above works have been done judiciously and well; but I have no doubt that, owing to the low state of the water, considerable encroachment has been made in that channel after dredging was discontinued.

It is to be hoped that the work in the channel will again be continued by the Government during the next season, until satisfactorily completed, as this is a matter of vital importance to the shipping interest of Ontario, and especially as, owing to the public works carried on in the Welland Canal, in connection with the deepening of the same, vessels requiring a greater depth of water will frequent our harbor.

Harbour Property.—The property of the Harbour Trust, consisting of the Queen's Wharf premises, and the Don Channel breakwater, is in good condition. The roads approaching the Queen's Wharf require to be reconstructed, as in bad weather they are almost impassable.

Island and Harbour.—I have not been able to perceive any material changes in the appearance of the island or harbour, except those attributable to the low state of water.

Main Sewer.—I would again repeat my former reference to the necessity of a main sewer being constructed along the front of the city, to prevent the filling in of the different slips with the sewerage, which has been a source of considerable expense to the Trust in having to dredge the same at the beginning of every season.

Accidents.—It is a matter of much satisfaction to again being able to report that no accidents of any serious nature occurred to vessels in connection with our harbour, in entering or leaving the same, during the past season. One of our oldest and most favourite steamboats got disabled by some damage to her machinery on her last trip for the season.

Life Boat.—The life boat belonging to the Trust, for the use of the harbour, continues to be kept at the York Street slip, under the charge of Messrs. Tinning & Brothers.

Meetings of the Board.—The Board met 15 times during the year 1879. The Chairman and Members of the Board also made two inspections of the harbour, accompanied by the representatives of the city in the House of Commons, Mr. Kingsford, the Government Engineer, Capt. Paul, Superintendent of the Harbor Works, and several other citizens.

Monthly Reports.—My monthly reports to the Board, presented at its regular meetings during the year 1879, contain all the different matters in connection with the working of the Trust, which, being of a more local nature, I think unnecessary to repeat in this my annual report.

Before concluding, I feel much pleasure in particularly calling the attention of the Board to the fact, as will be seen by the cash statement, that there is to the credit of the Trust, in the Bank of Toronto, the sum of about \$6,000, after paying all expenses incurred in maintaining the harbour, since the year 1875, when the Trust was indebted to the Bank of Toronto in the sum of \$17,310.42.

I have also to state that, although the water in the harbour during the greater part of the past season has been so unusually low, the harbour of Toronto has given general satisfaction, and stands second to none on Lake Ontario.

My two Deputies, Mr. Helliwell, connected with the office, and Capt. Taylor, in charge of the Queen's Wharf, lights, buoys, beacons and storm signals, have given satisfaction in the performance of their respective duties during the past year.

Hoping the management of the affairs of the Trust for the year 1879 will meet with the approval of the Board of Harbour Commissioners for the City of Toronto, and respectfully submitting this, my annual report for 1879,

I have the honour to remain,

JOHN CARR,
Harbour Master.

HARBOUR MASTER'S OFFICE,
January 1st, 1880.

TORONTO HARBOUR WORKS,
TORONTO, January 17th, 1880.

SIR,—I have the honour to report on the dredging operations during the past year. The water level in Lake Ontario was much lower than the previous year, and, in consequence, dredging was required at several of the slips, the following being the quantities dredged during May and June:—

Yonge Street Slip	1,500	cubic yards.
Mowat's do.	1,015	do.
Adamson's do.	1,035	do.
Burns' do.	590	do.
Total.....	4,220	do.

The least depth of water at the above slips being 12 feet, except at Adamson's, which was dredged to the rock, 11½ feet. The quantity dredged at the Don Channel and the outside bar was 10,602 cubic yards, more than half the amount having been removed from the bar opposite Princess Street, the obstruction having been caused by a flood from the Don River, as reported last year. The cost of dredging was much less than in former years, the price having been reduced to 12½ cents per cubic yard, as tendered for by Mr. R. Grant, and the work was done in a satisfactory manner.

I have the honour to remain,

Your obedient servant,

KIVAS TULLY,
Engineer.

J. G. WORTS, Esq.,
Chairman, Toronto Harbour Commissioners.

APPENDIX No. II.

**REPORT OF HARBOUR COMMISSIONERS OF PICTOU, N.S., FOR THE
CALENDAR YEAR ENDED 31st DECEMBER, 1879.**

PICTOU, N.S., 13th January, 1880.

SIR,—The Commissioners of Pictou Harbour beg to submit the accompanying attested account of their receipts and expenditure for the year ending 31st December, 1879.

As shown by the accounts the balance in hands of Treasurer is \$907.88.

They would request that the steam dredge "Canada," now here, be employed before leaving in spring, to deepen the channel to and dredge around the sides and end of South Market Street wharf.

We have the honour to be, Sir,

Your most obedient servants,

J. A. GORDON,
DAN. SUTHERLAND,
THOMAS FRASER.

To Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries
Ottawa.

Account of Moneys Received and Expended by the Commissioners of Picton Harbour, for the Year ending 31st December, 1879.
 Dr. Cr.

Moneys Received.	\$	cts.	Moneys Expended.	\$	cts.
Cash from late Secretary.....	90	00	Paid Sundry small accounts.....		3 07
do from Collector of Customs for Harbour dues, etc. 1,500 00			Bushing channel to loading ground.....		2 50
do from Wharfinger..... 426 98	1,926	98	do East River channel.....		8 00
			do Middle River channels.....		8 00
			Acadia Coal Co., piles.....		42 63
			Hector McMillan.....		1 44
			Gas Works, tar.....		3 00
			Thomas Robley, piles.....		41 60
			Rafting and cartage.....		3 50
			Tug "Gipsy," towage.....		10 00
			Thomas Robley, labour.....		273 60
			Hire of pile driver.....		54 00
			James Kitchen.....		108 06
			Sundry harbour accounts.....		92 10
			Labour on wharf, New Glasgow.....		30 00
			Harris, printing.....		8 00
			Wharfinger salary.....		200 00
			Dawson, Gordon & Co.....		71 55
			Commission on \$961.05 at 5 per cent.....		48 05
			Secretary's salary.....		140 00
			Balance in Commissioners' hands.....		907 88
	2,016	98		2,016	88

Sworn to, at Picton, before me, this } A. J. PATTERSON, J. P.
 20th day of January, 1880.

J. A. GORDON,
 Secretary of Board of Commissioners.

Pictou, N.S., 31st December, 1879.

SIR,—I have the honour to report that the following vessels have entered the harbour of Pictou during the year ending this date :

Vessels.	Tons.
297 British Steamers.....	168,223
2 " Ships.....	1,733
19 " Barques.....	11,781
12 " Barquentines.....	6,339
1 " Brig.....	457
26 " Brigantines.....	6,562
1,197 " Schooners.....	55,818
1,554	250,913
	Tons.
32 Foreign Steamers.....	23,122
22 " Sailing Vessels.....	10,152
	33,274
1,608	284,187

There are no fees collected except the harbour dues paid into the hands of the Collector of Customs, out of which fund my salary of four hundred dollars as Harbour Master, and two hundred dollars for expenses of crew and boat, are paid.

I have the honour to be, Sir,

Your most obedient servant,

JOHN GUNN.

Sworn before me, at Pictou, N.S., this 31st }
day of December, 1879. } R. P. GRANT, J. P

To WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 12.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX,
N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.HARBOUR MASTER'S OFFICE,
HALIFAX, N.S., 3rd January, 1880.

SIR,—I have the honour to submit my report for the year ending 31st Dec., 1879, accompanied by a statement of the receipts and expenditure during that period.

I am happy to be able to inform you that nothing of importance has occurred during the year to which I have to call your attention, and that I have not found it necessary to impose any penalties for violation of the Harbour Regulations.

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

ELIJAH WOOD,
Harbour Master.

WM. SMITH, Esq.
Deputy Minister of Marine and Fisheries.
Ottawa.

RECEIPTS and Expenditure of the Harbour Master from 1st January to 31st
December, 1879.

Rig.	Number.	Register Tonnage.	Fees Collected.
RECEIPTS.			\$ cts.
Steamers	91	135,843	437 00
Ships	5	6,237	24 00
Barques	37	19,111	127 50
Barquentines	6	2,428	17 00
Brigs	6	1,337	11 50
Brigantines	118	19,941	189 50
Schooners	786	44,909	614 50
Total Receipts			1,421 00
EXPENDITURE.			\$ cts.
Paid for man and boats to board vessels		71 00	
Stationery		12 00	
Office expenses, &c		175 00	258 00
Amount reverting to Harbour Master			1,163 00

ELIJAH WOOD,
Harbour Master.

Sworn to before me, at Halifax, N.S., this } Wm. McKERRON, N.P.
3rd day of January, 1880.

 APPENDIX No. 13

 REPORT OF THE HARBOUR MASTER FOR THE PORT OF LOUISBURG,
 N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

LOUISBURG, CAPE BRETON, 1 January, 1880.

SIR,—I have the honour to submit this, my first report as Harbour Master for the Port of Louisburg. When I was appointed last March, I found there was only one spar buoy for the use of the harbour. I had two new ones made, and I put them all in their places on the 14th of May last. I had the said buoys taken up and safely stored for the winter on the 29th day of December ulto. In the year 1877 the Cape Breton Company (Limited) condemned one block of their loading wharf, and had it floated with its ballast by two vessels and carried some distance from their works; they then dropped it on ground where vessels are likely to anchor, and should any vessel drop anchor on it she would be likely to lose both anchor and chain. I have collected fees to the amount of five dollars (\$5.00).

There were a great many vessels arrived at the port for shelter during the season, and there were a few cargoes of coal shipped from here, but the vessels that took it, except two, had paid Harbour Masters' fees before coming here. I am in hopes there will be considerable coal shipped from here next season, as the Cape Breton Company are perfecting their works for that purpose.

I beg to call your attention to the necessity of having a harbour light built on the north side of the harbour, opposite the entrance, so that vessels coming in at night may bring it to bear a certain course and run for it. I know that such a light would prevent a good many shipwrecks, as vessels are often wrecked on Battery Island through having no guide at night after they pass the outer light. I am happy to inform you that nothing has transpired during the season of which I have to complain.

Your obedient servant,

PATRICK O'TOOLE,

Harbour Master.

WM. SMITH, Esq.,
 Deputy Minister of Marine, &c.,
 Ottawa.

Sworn before me at Louisburg, C.B., the 31st day of December, 1879.

M. H. McALPINE.

Notary Public.

APPENDIX No. 14.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF PUGWASH,
N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

PUGWASH, 1st January, 1880.

SIR,—I have the honour to submit to you my annual report for the year ended 31st December, 1879.

Early in April I had the buoys cleaned and painted, and as soon as the ice was clear of the harbour, which was about the 1st of May, I had them put down in their proper places, where they remained undisturbed during the shipping season with two exceptions; these were, two of the cask buoys were carried from their places by ships leaving the port and left outside the harbour. These were immediately brought back and put down in their proper places with slight damage, which was repaired.

On the 27th November I had them all taken up and stored for winter. I regret to say that the shipping to this port is much less than it was in 1878, which, I suppose, is caused by the depression of business in foreign ports.

You will also see by my report quite a number of schooners have visited this port during the summer, but that dues were collected from very few, they having generally paid twice before arriving here.

I take the liberty of calling your attention to the matter of having a lighter of a small size for putting out and taking in the buoys.

I am, Sir,

Your obedient servant,

A. A. STEVENS,

Harbour Master.

To Hon. J. C. POPE,
Minister of Marine and Fisheries.

Sworn to before me at Pugwash, County of Cumberland, the 31st day of December, 1879.

JAS. A. ELLIOTT, J. P.

APPENDIX No. 15.

REPORT OF THE HARBOUR MASTER FOR PORT MEDWAY, N.S., FOR
THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

PORT MEDWAY, 1st January, 1880.

SIR,—I have the honour to submit my report, with a list of vessels which paid harbour dues to me from the date of my appointment to 31st December, 1879.

The buoys in this harbour are now in good condition, having been painted and repaired.

There is one new buoy required on Manthorn's Shoal, which can be done during the coming summer by your order.

The most of the vessels belonging to this port had paid their harbour fees in other ports previous to my appointment, only seven having entered since liable to pay Harbour Masters' fees.

I have the honor to be, Sir,

Your obedient servant,

JABEZ F. PARK.

WM. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

APPENDIX No. 16.

TABLE showing the names of Ports proclaimed under the Dominion Acts, 36 Vic., chap. 9, 37 Vic., chap 34, and 38 Vic., chap. 30, for the appointment of Harbour Masters, the dates of proclamation, the names of the Harbour Masters appointed under the Acts named, and the Acts 35 Vic., chap. 42, and 36 Vic., chaps. 12 and 63, the dates of the appointment of Harbour Masters, the amount which each of their salaries is not to exceed, the amount of fees collected by each of them during the calendar year ended 31st December, 1879, and the overplus, if any, paid into the credit of the Receiver-General.

PROVINCE OF ONTARIO.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1879.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.	\$ cts.
Collingwood.....	3 Mar., 1877	Andrew Lockerbie.....	3 Mar., 1877	200 00	267 00	29 00	38 00
Goderich.....	28 Apl., 1876	Thomas Dancey.....	22 Apl., 1876	300 00	217 00	.....	.....
Penetanguishene	2 Feb., 1877	Louis Columbus.....	2 Feb., 1877	200 00	8 00	.....	.....
Bondeau.....	4 May, 1878	Thomas Harrison.....	4 May, 1878	100 00	112 50	.....	12 50
Southampton....	23 Sept., 1875	David Cascaden.....	13 Sept., 1875	100 00	42 50	.....	.....

PROVINCE OF QUEBEC.

Amherst Harbor.	14 Sept., 1878	John Cassidy.....	2 Sept., 1878	200 00	35 50	.....	.....
Gaspé.....	25 Sept., 1874	Joseph Eden.....	22 Sept., 1874	500 00	135 50	.....	.....
Matane.....	19 Oct., 1877	Edward Lacroix.....	19 Oct., 1877	200 00	27 50	.....	.....
Metia.....	7 Feb., 1878	P. F. Leggat.....	7 Feb., 1878	200 00	39 50	.....	.....
Paspebiac.....	12 May, 1877	Hugh Christie.....	22 May, 1877	150 00	38 50	.....	.....
Rimouski.....	5 Mar., 1877	Jos. St. Laurent.....	30 May, 1878	200 00	Nil.	.....	.....
St. Johns.....	} Within the harbour of Montreal.	Jos. E. Pinsonneault.....	19 May, 1879	400 00	689 50	.....	*
Sorel.....		Pierre Bellefeuille.....	20 Apl., 1875	300 00	412 00	.....	112 00
Three Rivers.....		Uldoric Frederick Langlois	14 June, 1875	300 00	280 00	.....	.....

* Balance not forwarded yet.

PROVINCE OF NEW BRUNSWICK.

Bathurst.....	30 May, 1873	Peter J. Hachey.....	12 Dec., 1874	200 00	56 50	.....	.....
Bay Verte.....	30 May, 1873	No appointment.....	.....	.....	.....	.....	.....
Buctouche.....	30 May, 1873	John Keswick.....	20 Apl., 1876	100 00	21 50	.....	.....
Campbelltown....	30 May, 1873	William Mott.....	9 July, 1873	200 00	2 00	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.		Amount collected in 1879.		Amount of expenses incurred in repairing & placing buoys, &c.		Amount paid over to Receiver-General.
				\$	cts.	\$	cts.	\$	cts.	
Campbello.....	30 May, 1873	John Benjamin Beatty.....	7 July, 1873	100	00	20	00			
Caraquet.....	30 May, 1873	Prosper Paulin.....	10 July, 1879	150	00	20	50			
Chatham.....	30 May, 1873	Wm. Johnston.....	25 June, 1879	300	00	737	50			
Cocagne.....	30 May, 1873	John Brooks.....	7 July, 1873	100	00	18	00			
Dalhousie.....	30 May, 1873	Joseph W. Cullen.....	2 Sept., 1878	200	00	88	00			
Dorchester.....	30 May, 1873	Joshua King.....	9 July, 1875	200	00	24	00			
Fredericton.....	30 May, 1873	No appointment.....								
Grand Manan.....	18 Sept., 1876	James A. Pettis.....	18 Sept., 1876	100	00	No return.				
Great Shemogue.....	17 May, 1875	John Avar.....	10 May, 1875	100	00	No return.				
Harvey.....	30 May, 1873	Joseph McAlmon.....	10 Apl., 1875	100	00	7	50			
Hillsborough.....	30 May, 1873	Nehemiah Bennett.....	30 Apl., 1874	150	00	43	50			
Ledge of St. Stephens	30 May, 1873	Charles Young.....	22 Apl., 1876	100	00	10	00			
Moncton.....	30 May, 1873	No appointment.....								
Musquash.....	26 Mar., 1874	Samuel Hayward.....	26 Mar., 1874	100	00	60	50			
Newcastle.....	30 May, 1873	John Niven.....	7 July, 1873	300	00	129	50			
North Joggins.....	30 May, 1873	No appointment.....								
Port Elgin.....	6 Feb., 1878	Jacob Silliker.....	6 Feb., 1878	200	00	17	00			
Richibucto.....	30 May, 1873	James Alexander Jardine.....	11 May, 1874	200	00	122	00			
Rockland.....	30 May, 1873	No appointment.....								
Sackville.....	30 May, 1873	No appointment.....								
St. Andrews.....	30 May, 1873	John Balson.....	7 July, 1873	100	00	44	00			
St. George.....	30 May, 1873	James Dick.....	7 July, 1873	100	00	42	50			
St. Martins.....	14 May, 1874	Joseph Carson.....	14 May, 1874	100	00	5	50			
Shediac.....	30 May, 1873	Alexander McQueen.....	19 May, 1876	300	00	131	50			
Shippegan.....	30 May, 1873	Vacant.....								
Tracadie.....	17 May, 1874	Vital Arceno.....	9 July, 1875	100	00	2	50			
West Isles.....	4 Feb., 1879	Thos. K. Parker.....	4 Feb., 1879	200	00	13	50			

* Balance not forwarded yet.

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF NOVA SCOTIA.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.		Amount collected in 1879.		Amount of expenses incurred in repairing & placing buoys, &c.		Amount paid over to Receiver-General.	
				\$	cts.	\$	cts.	\$	cts.	\$	cts.
Annapolis	12 Mar., 1875	William Cummings.....	16 May, 1879	200	00	52	50	.....	.....	.....	.....
Arischat	22 Apl., 1879	Felix L. Marmand.....	22 Apl., 1879	200	00	85	00	.....	.....	.....	.....
Baddeck	23 Sept., 1875	Stephen Atwater.....	15 Sept., 1875	100	00	25	50	.....	.....	.....	.....
Bayfield.....	11 July, 1879	John McDonald.....	11 July, 1879	200	00	No return.	.....	.....	.....	.....	.....
Bear River.....	25 Sept., 1874	William Fenwick Hennigar	22 Sept., 1874	100	00	43	00	.....	.....	.....	.....
Bridgewater.....	6 May, 1874	Joseph Robins Wyman.....	6 May, 1874	100	00	118	50	.....	.....	18	50
Bras d'Or, including New Campbelltown	6 May, 1874	Francis Dunlap.....	6 May, 1874	200	00	No return.	.....	.....	.....	.....	.....
Cape Canzo.....	6 June, 1876	William Walsh.....	6 June, 1876	100	00	29	50	.....	.....	.....	.....
Cheticamp.....	20 Apl., 1876	Fulgence Ancoin.....	15 Apl., 1876	100	00	11	50	.....	.....	.....	.....
Clementsport.....	1 May, 1877	Thomas Tracey.....	1 May, 1877	150	00	13	00	.....	.....	.....	.....
Cow Bay.....	3 Mar., 1879	Hector McDonald.....	3 Mar., 1879	400	00	135	50	.....	.....	.....	.....
Digby.....	19 Feb., 1878	James A. Hughes.....	19 Feb., 1878	300	00	19	50	.....	.....	.....	.....
Getson's Cove.....	12 Mar., 1875	George Henry Zwicker.....	25 Feb., 1875	300	00	57	00	.....	.....	.....	.....
Gaberouse.....	3 Mar., 1879	John Hardy.....	3 Mar., 1879	100	00	1	00	.....	.....	.....	.....
Halifax.....	No proclamation required by Act.	Elijah Wood.....	7 Oct., 1872	1600	00	1421	00	.....	.....	.....	.....
Indian Bay.....	25 Oct., 1876	Matthew Drips McKenzie..	25 Oct., 1876	150	00	22	00	.....	.....	.....	.....
Liverpool.....	19 Jan., 1877	Wm. A. Kenney.....	19 Jan., 1877	200	00	189	50	.....	.....	.....	.....
Louisburg.....	17 Mar., 1879	Patrick O'Toole.....	17 Mar., 1879	200	00	5	00	.....	.....	.....	.....
Lunenburg.....	3 Dec., 1875	William Henry Begg.....	3 Dec., 1875	150	00	89	00	.....	.....	.....	.....
McNair's Cove.....	12 Mar., 1875	Ronald McEachen.....	8 Mar., 1875	150	00	No return.	.....	.....	.....	.....	.....
Margaretville.....	26 Mar., 1878	Robert Early.....	26 Mar., 1878	100	00	15	00	.....	.....	.....	.....
Margaret's Bay.....	16 July, 1875	Peter Francis Boutillier....	9 July, 1875	100	00	8	50	.....	.....	.....	.....
Merigomish.....	26 Mar., 1878	W. C. Olding.....	26 Mar., 1878	100	00	2	50	.....	.....	.....	.....
Neil's Harbour.....	28 Apl., 1876	Angus Buchanan.....	11 Apl., 1876	100	00	No return.	.....	.....	.....	.....	.....
North Sydney.....	9 Apl., 1874	George Bennett Ingraham..	9 Apl., 1874	500	00	No return.	.....	.....	.....	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF NOVA SCOTIA —Concluded.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.		Amount collected in 1879.		Amount of expenses incurred in repairing & placing buoys, &c.		Amount paid over to Receiver-General.	
				\$	cts.	\$	cts.	\$	cts.	\$	cts.
Northwest Cove, Coleman's Cove, and Aspotogan Harbour.....	29 Dec., 1876	William Murphy	29 Dec., 1876	200	00	Nil.					
Parrsborough.....	22 Oct., 1873	Edward Walter Beaty.....	22 Oct., 1873	100	00	28	00				
Pictou.....	No proclamation required by Act.	John Gunn	14 Aug., 1875	400	00	1500	00				
Plaster Harbour	6 May, 1874	Donald Fraser.....	6 May, 1874	200	00	1	00				
Port George.....	1 May, 1877	Chas. H. Weaver.....	1 May, 1877	150	00	5	50				
Pt. Hawkesbury	16 July, 1875	Daniel Henesey	9 July, 1875	200	00	65	00				
Port Hood.....	16 July, 1875	John Murphy, jun.....	9 July, 1875	200	00	3	50				
Port Mulgrave...	8 Mar., 1876	Otis G. White.....	16 May, 1879	200	00	85	50				
Port Medway...	25 June, 1879	Jabez F. Parks.....	25 June, 1879	200	00	9	00				
Pugwash.....	22 Oct., 1873	A. A. Stevens.....	22 Oct., 1873	100	00	43	50				
River John.....	26 Mar., 1878	Henry Heighton.....	29 Oct., 1879	100	00	Nil.					
Sheet Harbour...	14 May, 1874	William Hall.....	14 May, 1874	150	00	24	50				
Shelburne	27 Aug., 1877	James Muir.....	27 Aug., 1877	200	00	50	50				
Tatamagouche...	27 Feb., 1878	James W. Weatherby.....	27 Feb., 1878	200	00	4	50				
Tusket.....	18 Mar., 1875	Forman Hatfield.....	1 Mar., 1875	100	00	9	50				
Wallace.....	22 Oct., 1873	William Macnab	22 Oct., 1873	100	00	10	50				
Whycocomah....	29 Oct., 1875	Neil McKinnon.....	8 Oct., 1875	100	00	7	50				
Yarmouth.....	18 Mar., 1875	Ebenezer Scott.....	19 Oct., 1877	250	00	293	00	40	16	7	84

PROVINCE OF PRINCE EDWARD ISLAND.

Bay Fortune.....	10 Apl., 1875	John R. Coffin.....	29 Apl., 1878	200	00	No return.				
Cardigan River, including Cardigan Bridge..	2 July, 1878	Hercules McDonald.....	2 July, 1878	200	00	4	00			
Cardigan River, from head of river to north bank Mitchell River.....	2 July, 1878	Angus McDonald	16 May, 1879	200	00	150	00			

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF PRINCE EDWARD ISLAND —Concluded.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1879.	Amount of expenses incurred in repairing & placing buoys, &c	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.	\$ cts.
Cascumpec.....	15 July, 1874	George Wells	17 June, 1874	200 00	15 50	.....	.....
Charlottetown...	15 July, 1874	David Small	17 June, 1874	400 00	156 00	.....	.....
Crapaud.....	15 July, 1874	Wesley Meyers.....	17 June, 1874	200 00	16 00	.....	.....
Egmont Bay.....	15 July, 1874	Alexander McArthur.....	17 June, 1874	200 00	Nil.	.....	.....
Georgetown	15 July, 1874	John Haggart	17 June, 1874	200 00	59 00	.....	.....
Grand River.....	10 Apl., 1875	Ronald S. McDonald	10 Apl., 1875	200 00	1 50	.....	.....
Grand River, down to and including Poplar Point and Chapel Wharf.	10 Apl., 1875	John McMullen.....	16 May, 1879	200 00	2 00	.....	.....
Malpeque.....	10 July, 1874	Vacant .....	.....	.....	.....	.....	.....
Montagu Bridge..	15 July, 1874	Daniel C. Campbell	17 June, 1874	200 00	14 00	.....	.....
Murray Harbour	15 July, 1874	William Millar.....	17 June, 1874	200 00	6 50	.....	.....
Murray River.....	16 May, 1879	John Lowe	16 May, 1879	200 00	No return.	.....	.....
New London.....	15 July, 1874	George Mackenzie	17 June, 1874	200 00	9 50	.....	.....
North Pinette....	15 July, 1874	Niel McLeod.....	17 June, 1874	200 00	4 50	.....	.....
Port Hill.....	15 July, 1874	James Ellis.....	17 June, 1874	200 00	10 00	.....	.....
Pownal.....	10 July, 1879	A. A. Moore.....	10 July, 1879	100 00	No return.	.....	.....
Rollo Bay	10 Apl., 1875	Charles Deagle.....	10 Apl., 1875	200 00	No return.	.....	.....
Rustico.....	17 May, 1875	Vacant .....	.....	.....	.....	.....	.....
St. Peter's Bay...	10 Apl., 1875	George Anderson.....	7 Dec., 1878	200 00	5 00	.....	.....
Souris East and West.....	10 Apl., 1875	John McCormack.....	25 Apl., 1879	200 00	14 60	.....	.....
Summerside	15 July, 1874	Ronald Campbell.....	17 June, 1874	200 00	44 00	.....	.....
Tracadie	17 May, 1875	Hugh Campbell.....	5 May, 1875	200 00	Nil.	.....	.....
Tryon.....	12 Apl., 1877	Alexander Howatt	12 Apl., 1877	200 00	No return.	.....	.....
Vernon River Bridge.....	19 July, 1874	John Furness	17 June, 1874	200 00	13 00	.....	.....
West River.....	17 May, 1875	No appointment.....	.....	.....	.....	.....	.....

TABLE showing the names of Ports proclaimed under the Dominion Acts,
&c.—Continued.

PROVINCE OF BRITISH COLUMBIA.

Name of Port.	Date of Proclamation.	Name of Harbour Master.	Date of Appointment.	Amount from the fees of office salary not to exceed.	Amount collected in 1879.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.	\$ cts.
Burrard Inlet.....	4 Dec., 1876	Isaac Johns.....	4 Dec., 1876	400 00	162 00	.....	.....
Nanaimo	10 Apl., 1875	Thomas Eric Peck.....	25 Apl., 1876	500 00	486 00	.....	.....
Quadra	17 Apl., 1877	John Kenney.....	17 Apl., 1877	300 00	No return.	.....	.....
Victoria and Esquimalt.	20 Mar., 1875	Jeremiah Nagle.....	8 Mar., 1875	600 00	305 00	.....	.....

WM. SMITH,
Deputy Minister of Marine, &c.

OTTAWA, 1st January, 1880.

APPENDIX No. 17.

REPORT OF THE PILOTAGE DISTRICT OF MONTREAL FOR THE
CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

MONTREAL, 10th January, 1880.

SIR,—I have the honor, by direction of the Harbour Commissioners of Montreal, to submit herewith, for the information of the Honorable the Minister of Marine and Fisheries, the annual report of the Pilotage District of Montreal for the year ended the 31st December, 1879.

An examination of apprentice pilots was held by the Commissioners on the 4th, 5th and 6th ultimo, and Lament Gauthier, Jean Arcand, Delovoie Naud and Wilbrod Gauthier, having been found competent, were duly licensed as Branch Pilots.

In accordance with the 36th section of the Act, 36 Vic., cap. 54, pilots Onesime Naud, the elder, aged 75, and Joseph Barnabé dit Lafreniere, aged 66, were granted licenses to pilot for one year.

I have to report that there were no deaths among the pilots during the year.

The following is a list giving the name and age of each pilot, for and above the harbour of Quebec, acting under the authority of this Commission, with the earnings of each during the season of navigation of 1879 :

No.	Name.	Age.	Earnings.	Remarks.
			\$ cts.	
1	Onesime Naud (the elder).....	75	625 66	
2	P. M. Mathieu	59	937 88	
3	F. A. Mayrand	59	666 69	
4	Joseph-Leveillé.....	61	.....	Superintendent of Pilots.
5	Hector Hamelin	61	664 88	
6	Zephrin Bouillé	50	1,422 55	
7	Placide Gaillardet.....	63	573 55	
8	Jos. Barnabé dit Lafreniere	66	595 25	
9	Cyrille Belisle	51	661 57	
10	Adolphe Lisée	49	1,330 18	
11	George Raymond	49	1,362 22	
12	Augustin Naud.....	52	1,566 03	
13	H. A. Belisle	48	662 66	
14	Athanase Dufresne	45	1,393 47	
15	J. B. Dorval	47	560 64	
16	L. N. Bouillé.....	52	900 00	Pilot str. "Montreal."
17	Edouard Naud.....	56	171 34	
18	Pierre Gagnon	51	1,216 06	
19	George Belisle	39	679 03	
20	Onesime Naud, No. 1.....	38	1,278 20	
21	J. O. Hamelin	45	651 39	
22	Jos. Chandonnet	38	1,601 34	
23	Louis A. Bouillé	39	635 74	
24	Prudent Beaudet.....	37	1,552 80	
25	Elzear Belisle	44	603 03	
26	Joseph Pleau	41	1,221 69	
27	Celestin Brunet	36	1,192 30	
28	Louis Belisle	33	1,771 96	
29	Damase Caien	38	53 55	
30	Ulric Groleau.....	31	27 82	From 8th November.
31	Alfred Frenette.....	39	1,021 56	
32	Alfred St. Amant.....	35	791 50	
33	Philip Belanger.....	40	641 55	
34	Victor Gagnon.....	40	672 29	
35	Narcisse Penault.....	41	1,021 43	
36	Treffé Toupin.....	31	681 13	
37	Cleophas Anger.....	32	1,180 45	
38	François Desjordy.....	34	751 52	
39	Ferdinand Labranche.....	33	1,040 07	
40	David Perrault.....	36	897 02	
41	Alexis Gauthier	32	936 11	
42	L. Z. Bouillé	30	803 57	
43	Joseph Toupin	30	660 11	
44	Laurent Gauthier.....	29	.....	Branched, 10th December, 1879.
45	Jean Arcand	26	.....	do do
46	Delovoie Nault.....	27	.....	do do
47	Wilfred Gauthier.....	27	.....	do do
			37,677 79	
	Pilotage collected at Sorel.....		179 88	
	do do Three Rivers.....		672 50	
	Total earnings.....		38,530 17	

The above amount was received from the following sources, viz:—

British steamships.....	\$25,187 17	
do sailing vessels.....	10,692 75	
		\$35,879 92
Foreign steamships.....	\$198 75	
do sailing vessels.....	2,451 50	
		\$2,650 25
Total.....		\$38,530 17

The following list shows the name and age of each apprentice serving his time under the authority of the Trust:—

No.	Name.	Age.	No.	Name.	Age.
1	Leon Croteau.....	40	14	Joseph Hurteau.....	19
2	Alphonse Cossette.....	31	15	Wilfred Raymond.....	25
3	Noibert Arcand.....	27	16	Adolphe Richard.....	31
4	Ulric Toupin.....	25	17	George Dufresne.....	28
5	Nestor Arcand.....	23	18	Joseph Langlois.....	24
6	Gedeon Groleau.....	27	19	Edouard Perrault.....	29
7	Néré Belleisle.....	27	20	Lyderic Bouillé.....	22
8	Louis Mayrand.....	22	21	Elie Bouillé.....	20
9	Hubert Perrault.....	30	22	N. Edson Angers.....	29
10	Tancrede Bouillé.....	25	23	Honoré Dusseau.....	26
11	Odillon Portelance.....	26	24	Joseph Dusseau.....	23
12	Liboire Perrault.....	30	25	Narcisse Paquet.....	25
13	John Naud.....	24			

The following is an account of the various casualties that have occurred on the river during the past season:

On the 20th June last the steamship "Colina," when on her way up from Quebec, in charge of Pilot F. Labranche, was run aground near Cape Charles, the vessel receiving considerable injury, and the cargo being also greatly damaged. A complaint was at once made by the captain against the pilot, and an investigation held, at which, from the evidence taken under oath, it appeared that the pilot had endeavored to pass on the wrong side of a dredge lying on the south side of the channel.

He was found guilty of a want of sound judgment and skill in the management of the said steamship, and suspended from exercising his functions as a pilot until the 1st January, 1880. The said pilot (Labranche) immediately made application to the Superior Court for a writ of *certiorari*, and in consequence of there being certain technical irregularities in the proceedings, it was thought advisable to allow the case to be withdrawn.

The steamship "Barnard Castle," while proceeding to Quebec on the 29th June, in charge of Pilot Placide Gaillardet, grounded in Lake St. Peter owing to her not answering her helm. No complaint was made against the pilot, and the vessel was got off without injury after being lightened.

When leaving the harbour of Montreal, on the 7th September, the steamship "Bengal," in charge of pilot J. George Belleisle, was run aground on the shoals near St. Helen's Island. The ship was not damaged, but required to lighten almost her entire cargo before she floated. An enquiry into the causes of the accident was commenced on the 16th of the same month, but was not concluded until the 12th November, owing to the repeated adjournments at the request of the pilot to enable

him to obtain further evidence in his behalf. The evidence went to show that the vessel, which was lying in the lower part of the harbor, was turned too soon and was not properly handled. Judgment was then rendered, suspending him until the 1st August, 1880. The pilot has since obtained a writ of *certiorari* in the matter, which is still before the court.

On the morning of the 30th October the steamship "Mildred," in charge of Pilot Hector Hamelin, went aground on the St. Anne's Shoal, near Cape Levrant, and received such serious damage as to oblige her being docked for repairs. The pilot was summoned before the Commissioners and, after a full investigation, in which it was proved that he had gone on the wrong side of the buoy at the place where the accident occurred, it was decided to suspend him until the 1st August, 1880. A writ of *certiorari* has also been obtained in this case, which has not yet been decided.

The usual arrangements were made last spring for the maintenance of the buoys in the Richelieu River between St. John's and Rouse's Point, and in the Riviere des Prairies.

The following is the Tariff of Pilotage now in force in the Pilotage District of Montreal :

Quebec to Montreal or <i>vice versa</i> .	Upward.	Downward.
	\$ cts.	\$ cts.
Pilotage of vessels in tow of a steamer, for each draft of water.....	2 00	2 00
Pilotage of vessels propelled by steam, for each foot of draft of water.....	2 50	2 50
Pilotage of vessels under sail, for each foot of draft of water.....	4 20	2 80
Moving a vessel from one wharf to another in the Harbour of Montreal, or from foot of convent into the Harbour.....	5 00	5 00

The amount received for poundage, being five per cent. of the earnings of the pilots, was \$1,924.07, including that received on vessels coming only to Sorel or Three Rivers. There was, besides, received as interest on investments \$1,923.75, making a total of \$3,847.82.

The disbursements were \$2,157.92, paid as pensions to old and infirm pilots and the widows of pilots.

I have the honor to be, Sir,

Your most obedient servant,

H. D. WHITNEY,

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 18.

REPORT OF THE PILOTAGE AUTHORITY OF QUEBEC, FOR THE
CALENDAR YEAR ENDED 31st DECEMBER, 1879.

QUEBEC, 16th January, 1880.

To the Hon. J. C. POPE,
Minister of Marine and Fisheries,
&c., &c., &c.,
Ottawa.

SIR,—I have the honour to submit the following report of the Quebec Harbour Commissioners, as Pilotage Authority, for the year 1879.

The operations of the year commenced on the 16th of April by the departure of the pilot schooner No. 2, with eight pilots. She was followed the same day by the schooner No. 4 with eight more pilots. Two days after their departure these schooners were cruising on the two lower stations.

The schooner No. 1 left on the 24th of the same month with four pilots, and five days later schooner No. 5 took her departure with thirty-six pilots on board.

On the 8th May the schooner No. 4 left with thirty pilots, and on the 12th of the same month thirty more were forwarded by the schooner No. 3.

Thus, within a month, one hundred and sixteen pilots were distributed on the various stations.

The service has been satisfactorily effected during the whole season by the above-named five schooners. It has not been necessary, this year, as previously in some instances, to use the railway for the purpose of supplying the stations when pilots were needed.

Old Pilots.

In conformity with the provisions of the law, the old pilots of the age of 65 and over were all summoned to be examined before the opening of the navigation.

Twenty-seven came under the action of the law. They were all found able to continue to practice, and their licenses were accordingly renewed for one year.

Trials.

There have been four complaints lodged during the year. Only one of them was by a ship-master, the three others by the Corporation of Pilots for infringements of their regulations.

During the trial in the first-mentioned case, it has been established clearly that the vessel had not suffered the least damage by the grounding complained of, and that the accident had been purely accidental. The case was consequently dismissed.

The three other complaints were settled by a *plea of guilty* in each case. The defendants were all fined and condemned to pay the costs.

The fact that there has been only one trial on the complaint of a ship-master is considered by the Commissioners, when compared to the trials held specially in 1876 and 1878, as marked improvement on this branch of the service.

The number of complaints for infringements of the regulations of the Corporation of Pilots is equal to that of the year 1877; not one complaint of that nature having been lodged in 1878.

The severity with which they were dealt with, it is expected, will be a warning to the pilots who would be inclined to break the discipline.

New Licenses Awarded.

During the year the following named apprentices were admitted to practice as pilots, after undergoing their examinations in accordance with the provisions of the law:—

Paul Lachance.
Arcadius Jouvin.
Léon Labrecque.
Louis P, Lavoie.
Paul Lachance.
Joseph Pouliot.
Joseph Larochelle, and
Adjutor Lachance.

Deaths.

Only two deaths have occurred amongst the pilots during the year; the first Louis Joseph Lavoie, died in November, and the other, Jean Giroux, in December.

Apprentice Pilots.

The Commissioners take the liberty of drawing once more the attention of the Government to the importance of reviving the old practice of sending the apprentice pilots on a survey of the north and south channels of the St. Lawrence, and they most respectfully confirm what is stated respecting this question in their report for the year 1878.

The whole respectfully submitted.

A. H. VERRET,
Secretary-Treasurer.

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec on the Active List on the 31st December, 1879; the number who were retired, struck off the active list or died during the year; the number temporarily suspended; the number who were unable to serve; the number in charge of the Government Steamers and those in charge of Lighthouses, &c.

Number.	Names.	Age.	Residence.	Number of Pilotages effected.			Casualties and Remarks.
				Upwards.	Downwards.	Movages.	
1	Edouard Petitgrew.....	74	Green Island.....	5		5	
2	Joseph Pepin.....	70	St. John, Isle of Orleans..	5		5	
3	Charles Nolét.....	71	Quebec.....	4		5	
4	Ives Silvestre.....	70	do.....	2		2	
5	Louis Jos. Lavoil.....	69	Notre Dame, Lévis.....	5		5	
6	Thomas Couillard Després.....	69	Bienville, Lévis.....	5		5	
7	Dominique Girard.....	65	Green Island.....	8		7	
8	Edward Marcoux.....	72	St. Pétronille, Isle of Orleans...	5		5	
9	Charles Pouliot.....	65	St. Laurent do.....	5		5	
10	Thomas Simard.....	65	St. Michel, Bellechasse.....	5		5	
11	Jean Audet dit Lapointe.....	66	St. Michel, Bellechasse.....	5		5	
12	Edouard Antil dit St. Jean.....	64	Quebec.....	3		2	
13	Georges Santerre.....	63	St. Michel, Bellechasse.....	5		5	
14	Laurent Larochele.....	67	do.....	5		5	
15	Charles Bernier.....	65	Cap St. Ignace.....	5		5	
16	Regis Ménard.....	64	St. Valier.....	5		5	
17	Jean Dufresne.....	64	Quebec.....	5		5	
18	Jean Pouliot.....	65	St. John, Isle of Orleans.....	5		4	
19	Frs. Vézina.....	65	Quebec.....	6		6	
20	Hélis Normand.....	64	do.....	4		5	
21	Alexandre Vaillancourt.....	70	St. Laurent, Isle of Orleans.....	5		5	
22	Hilaire Raymond.....	66	Kamouraska.....	5		5	
23	Hilaire Jovin.....	63	St. Luce, Rimouski.....	5		4	
24	Jean Baptiste Bernier.....	64	L'Islet.....	7		7	
25	Pierre Peltier.....	68	St. Michel, Bellechasse.....	5		5	
26	Frs. Thivierge.....	64	Quebec, St. Saurer.....	6		4	
27	Joseph Pouliot, 1st.....	57	St. John, Isle of Orleans.....	4		6	
28	Marcel LeBel.....	66	Kamouraska.....	6		4	
29	Jacques Tremblay.....	71	St. John, Isle of Orleans.....	5		5	
30	Jean Dugas.....	63	Quebec.....	5		5	

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—Continued.

Number.	Names.	Age.	Residence.	Number of Pilotages effected.			Remarks.
				Inwards.	Downwards.	Movges.	
31	Cyprien Raymond.....	61	Quebec.....	5	6	5	Sick all the season.
32	Damien Boulanger.....	65	do.....	5	5	5	
33	Wm. Russell.....	62	do.....	5	4	6	Appointed, in August, Master of one of the Pilot schooners.
34	Louis Leprisé.....	63	do.....	5	6	5	
35	Pierre Pepin.....	61	St. Charles Village, Quebec.....	2	1	2	Master of the Government Steamer "Druid."
36	Charles Dumas.....	63	Green Island.....	5	6	6	
37	Louis Cottin Dugal.....	69	St. Michel, Bellechasse.....	5	5	5	Has had command of one of the Pilot Schooners during whole season.
38	Edouard Ganest.....	62	St. Pétronille, Isle of Orleans.....	5	5	6	
39	Pierre Lapière.....	62	Notre Dame, Lévis.....	5	5	6	Unable to perform his duties since the 24th July.
40	Anselme Marmen.....	63	Quebec.....	6	4	5	
41	Magloire Delisle.....	63	Green Island.....	5	5	5	Employed by the Allan Line of Steamers.
42	Jean Baptiste Talbot, 1st.....	62	Berthier.....	5	5	5	
43	Frs. Xav. Delisle, 1st.....	61	St. John, Isle of Orleans.....	5	5	5	Has had command of one of the Pilot Schooners during whole season.
44	Joseph Dick.....	60	do.....	5	5	5	
45	Frs. Noel.....	69	St. Pétronille do.....	5	5	5	Unable to perform his duties since the 24th July.
46	Paul Langlois.....	64	St. Agathe.....	5	5	5	
47	Marcel Oôté.....	64	Green Island.....	5	4	5	Employed by the Allan Line of Steamers.
48	George Audet dit Lapointe. 6.....	59	Lauzon, Lévis.....	4	6	6	
49	Gabriel Lachance.....	60	St. John, Isle of Orleans.....	5	5	5	Employed by the Allan Line of Steamers.
50	Isaac Marticette.....	59	Quebec.....	5	5	5	
51	François Dallaire.....	62	St. Laurent, Isle of Orleans.....	5	5	5	Employed by the Allan Line of Steamers.
52	Laurent Godbout, 1st.....	62	Quebec, St. Sauveur.....	5	5	5	
53	Pierre Roy.....	64	do.....	5	5	5	Employed by the Allan Line of Steamers.
54	Pierre Ruelland.....	62	St. Michel, Bellechasse.....	5	5	5	
55	Hibert Dumas.....	60	Trois-Pistoles.....	5	5	5	Employed by the Allan Line of Steamers.
56	Damase Babine.....	62	St. Jean Port Joli.....	5	5	5	
57	Jos. Boucher dit Morency.....	66	Quebec.....	5	5	5	Employed by the Allan Line of Steamers.
58	Maurice Pepin dit Lachance.....	60	St. Laurent, Isle of Orleans.....	5	5	5	
59	David Bouffard.....	59	do.....	5	5	5	Employed by the Allan Line of Steamers.
60	Edouard Labrèque.....	58	St. John, do.....	5	5	5	
61	Bart. Pepin dit Lachance, 1st.....	58	Quebec, St. Sauveur.....	5	5	5	Employed by the Allan Line of Steamers.
62	Antoine Lapointe.....	58	do.....	5	5	5	

63	Jean Chabry.....	63	Caouana.....	5	5	5	Sick during 19 days.
64	Narcisse Forgas.....	68	Laizon, Lévis.....	5	4	4	
65	Frs. Dumas.....	61	Green Island.....	5	5	5	
66	Dominique Verreault.....	59	Méchin.....	8	5	5	
67	Michel Guénard.....	56	Notre-Dame, Lévis.....	8	11	5	
68	Jean Coulombé.....	58	St. Laurent, Isle of Orleans.....	6	4	4	On the sick list during one month.
69	Alex. Vézina.....	61	Crane Island.....	6	3	4	Master of one of the Pilot Schooners up to the end of June.
70	Gilbert Baillargeon.....	57	Ste. Pétronille, Isle of Orleans.....	2	4	2	On the sick list during 38 days. Died in December
71	Jean Giroux.....	57	Notre-Dame, Lévis.....	5	3	4	
72	Jas. Phil. Couillard.....	58	Quebec.....	5	5	5	On the sick list during 23 days.
73	Nicholas Fortin.....	56	do.....	5	4	4	
74	Magloire Mercier.....	63	do.....	6	4	4	
75	Louis Olivier Leclerc.....	65	St. Michel, Bellechassé.....	5	5	5	
76	Jean Bapt. Tremblay, Ist.....	63	Quebec.....	5	5	5	
77	Pierre Dion.....	60	Green Island.....	6	4	5	
78	Pierre Lemieux.....	55	Quebec.....	5	4	5	On the sick list during 54 days.
79	Edouard Rousseau.....	64	Trois-Pistoles.....	4	3	5	
80	Louis Fontaine.....	59	N. D. Aux, Buckland.....	5	5	5	
81	Abraham Couillard Després.....	64	St. Michel, Bellechasse.....	4	5	5	
82	Frs. Gourdeau.....	56	Cap St. Ignace.....	4	5	5	
83	Jérémie Dufresne.....	61	Quebec, St. Sauveur.....	6	6	6	
84	Joseph Blouin.....	65	do.....	5	5	5	
85	Antoine Gobeil.....	51	St. John, Isle of Orleans.....	7	8	3	Employed by the Allan Line of steamers.
86	Pierre Fontaine.....	51	do.....	5	5	5	
87	Joseph Lavoie.....	65	Ste. Luce, Rimouski.....	6	4	4	
88	Victor Demers.....	54	Laizon, Lévis.....	6	5	6	
89	Joseph Plante.....	49	Bate St. Paul.....	5	5	5	One of the Directors of the Corporation of Pilots;
90	Léon Thivierge.....	50	St. John, Isle of Orleans.....	5	5	5	not re-elected last election.
91	Charles Francis Brown.....	51	Quebec.....	9	15	4	Employed by the Great Western Line of steamers.
92	Paul Panquet.....	58	St. John, Isle of Orleans.....	5	5	5	
93	Joseph Pouliot, 2nd.....	52	do.....	5	5	5	
94	George Normand.....	49	Crane Island.....	5	5	6	Employed by the Dominion Line of steamers.
95	David D'Amour.....	47	Trois-Pistoles.....	11	8	4	Employed by the Allan Line of steamers.
96	Charles Vézina.....	45	St. Michel, Bellechasse.....	8	8	4	
97	Ovide Dick.....	48	Quebec.....	6	4	5	
98	Michel Nil Asselin.....	49	St. Michel, Bellechasse.....	5	5	5	do
99	Numa Lachance.....	45	do.....	8	9	4	do
100	Anibal Baquet.....	44	Quebec.....	14	14	6	Employed by the Gulf Ports Company.
101	Joseph Gravel.....	50	do.....	5	5	6	Master of the Government str. "Napoleon III."
102	Auguste Couillard Després.....	43	Bienville, Lévis.....	5	7	5	
103	Eustache Doiron.....	46	Laizon, Lévis.....	5	4	5	On the sick list during 4 days.
104	Jean Baptiste Pouliot.....	38	St. John, Isle of Orleans.....	5	5	5	
105	Jean Gobeil.....	38	do.....	9	9	4	Employed by the Allan Line of steamers.
106	Joseph Paquet.....	43	do.....	9	9	4	One of the Directors of the Corporation of Pilots;
107	Louis Edmond Morin.....	41	Quebec.....	4	6	5	re-elected at last election.
108	Moise Lachance.....	43	St. John, Isle of Orleans.....	10	9	4	Employed by the Great Western Line of steamers
109	Joseph S. Brown.....	45	Quebec.....	10	9	4	
110	Hubert Raymond.....	40	St. John, Isle of Orleans.....	5	5	5	

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—Continued.

Number.	Names.	Age.	Residence.	Number of Pilotages effected.			Casualties and Remarks.
				Inwards.	Downwards.	Movages.	
111	Achille Damour	40	Lévis	5	5	5	Chairman of the Corporation of Pilots; re-elected at last election.
112	Cyrille Lapointe,	40	St. Laurent, Isle of Orleans	4	6	5	
113	Joseph Pouliot, 3rd	36	St. John, Isle of Orleans	5	5	5	
114	Edmond Larochelle	36	St. Michel, Bellechasse				
115	Ant. Thomas Chouinard	45	Pointe-aux-Péres	9	5	2	Employed by the St. Andrews Line of steamers. On the sick list during 86 days.
116	Siméon Plante	44	Quebec	4	2	3	
117	Laurent Godbout, 2nd	36	St. John, Isle of Orleans	10	8	5	Employed by the Dominion Line of steamers.
118	Pierre S. Laprise	36	St. Pétronille, Isle of Orleans	6	4	6	
119	Adelm Pouliot	40	St. Laurent, Isle of Orleans	6	12	7	do
120	Bart. Pepin dit Lachance, 2nd	34	St. John, Isle of Orleans	5	5	5	
121	Frs. Xav. Delisle, 2nd	34	St. Romuald	5	7	5	Master of one of the Pilot schooners since the 23rd June.
122	Jos. Pepin dit Lachance	45	Quebec	5	6	5	
123	Damien Eugène Boullanger	36	Lauson, Lévis	2	1	4	Employed by the Temperley Line of steamers.
124	Cyprien Langlois	35	St. John, Isle of Orleans	5	5	5	
125	Jean Delisle	34	do	7	8	5	
126	Nazaire Currodeau	32	Quebec	5	7	6	Employed by the Donaldson Line of steamers.
127	Charles Normand	33	do	5	6	5	
128	Napoléon Rioux	34	Ste. Pétronille, Isle of Orleans	5	5	5	Employed by the Donaldson Line of steamers.
129	Jean Baptiste Tremblay, 2nd	36	Quebec	7	12	2	
130	Ray. Baquet dit Lamontagne	34	St. Michel, Bellechasse	5	5	5	Commands a steamboat on one of the upper lakes. One of the Directors of the Corporation of Pilots; re-elected at last election.
131	François Xavier Lamarre	33	St. Valier	5	5	5	
132	Moïse Pouliot	31	St. John, Isle of Orleans	5	5	5	Employed by the Allan Line of steamers. One of the Directors of the Corporation of Pilots; re-elected at last election.
133	Paul Gobeil	33	do	5	5	5	
134	Chas. Aiaire Raymond	31	Quebec	5	5	5	Commands a steamboat on one of the upper lakes. One of the Directors of the Corporation of Pilots; re-elected at last election.
135	Victor Vézins	34	do	6	0	0	
136	Léuis Honorius Lachance	41	St. Michel, Bellechasse	0	0	0	Employed by the Allan Line of steamers. One of the Directors of the Corporation of Pilots; re-elected at last election.
137	L.-B.O. Goutron dit Larochelle	33	do	0	0	0	
138	Chas. Hermie aîné A. Bernier	24	do	5	5	5	Employed by the Allan Line of steamers. One of the Directors of the Corporation of Pilots; re-elected at last election.
139	Louis Robert Demers	33	St. André	10	9	3	
140	Vital Ephem Chamberland	39	Lauson, Lévis	0	0	0	re-elected at last election.
141	Joseph G. Dupl.	32	Ste. Pétronille, Isle of Orleans	5	6	5	

148	Jean Baptiste Taltot, 2nd.....	34	Berthier.....	9	6	4	Employed by the Allan Line of steamers.
149	Louis Fortunat Lavoie.....	35	St. John, Isle of Orleans.....	11	11	0	Employed by the London Line of steamers.
144	Joseph Fortin.....	36	do do	5	6	6	
145	Nector Lachance.....	37	St. Michel, Bellechasse.....	5	6	6	
146	Cyrille Audet dit Lapointe.....	38	St. John, Isle of Orleans.....	5	4	5	
147	Eduard Turgeon.....	39	St. Laurent do	5	5	5	Master of one of the Pilot schooners since November.
148	Joseph Lapointe.....	40	St. John do	4	5	5	On the sick list during the whole year.
149	Leandre Raymond.....	41	St. John do	0	0	0	
150	Pierre Pepin dit Lachance.....	42	St. Anne la Poutière.....	5	6	6	
151	Théophile Gourdeau.....	43	St. Pétronille, Isle of Orleans.....	5	5	5	
152	Isidore Noël.....	44	St. John do	5	5	5	
153	Jean Evariste Adam.....	45	L'Islet.....	6	4	14	
154	Alfred Larochele.....	46	Notre Dame, Lévis.....	11	11	2	Employed by the London Line of steamers.
155	Theophile Corriveau.....	47	Quebec, St. Saverus.....	0	0	0	One of the Directors of the Corporation of Pilots ; not re-elected at last election.
156	Eizear Godbout.....	48	do do	0	6	6	Employed by the Allan Line of steamers ; steamer "Rocket."
157	George Couillard Després.....	49	St. John, Isle of Orleans.....	5	5	5	On the sick list during 7 days.
158	Pierre Gobeil.....	50	St. Joseph, Lévis.....	5	5	5	
159	Thomas Alfred Antil.....	51	L'Islet.....	5	4	5	
160	Theodule Pepin dit Lachance.....	52	Quebec.....	5	5	5	
161	Achille Treflé Simard.....	53	St. Joseph, Lévis.....	5	5	5	
162	Jean Baptiste Patoin.....	54	St. John, Lévis.....	5	8	5	
163	Narcisse Lavoie.....	55	St. Luce, Rimonski.....	5	5	5	
164	Alfred Turgeon.....	56	St. John, Isle of Orleans.....	5	5	5	
165	Joseph Emilie Couillard.....	57	St. John, Isle of Orleans.....	3	1	2	Appointed Master of one of the Pilot schooners in July.
166	Louis Albert Royer.....	58	Quebec.....	2	4	2	Master of one of the Pilot schooners till 2nd Aug.
167	Adelard Sanstare.....	59	St. Charles Village.....	0	5	0	
168	Onésime Noël.....	60	St. Michel, Bellechasse.....	5	5	5	
169	Napoleon Baillargeon.....	61	St. John, Isle of Orleans.....	5	5	5	Master of one of the Pilot schooners during the whole season.
170	David F. Pelletier.....	62	St. Pétronille, Orleans.....	5	5	5	
171	Jos. Fra. Xav. Bernier.....	63	Launzon, Lévis.....	4	6	5	
172	Frs. Xav. Demeule.....	64	L'Islet.....	6	8	6	
173	Louis Honoré Lapierre.....	65	St. John, Orleans.....	5	5	5	
174	Jos. Eugène Lachance.....	66	Notre Dame, Lévis.....	5	8	5	
175	David Arthur Bouffard.....	67	St. John, Orleans.....	5	5	5	
176	Jean Théophile St. Laurent.....	68	do do	5	5	5	
177	Jacques George Dugas.....	69	St. Germain, Rimonski.....	5	4	5	
178	Jos. Victor Gourdeau.....	70	Quebec.....	5	5	5	
179	Louis alias Treflé Delisle.....	71	St. Pétronille, Orleans.....	5	5	5	
180	J. Bte. Couillard.....	72	Trois-Pistoles.....	5	5	5	
181	Chs. Pelletier.....	73	Cap. St. Ignace.....	5	5	5	
182	Jos. alias Phléas Langlois.....	74	St. Michel, Bellechasse.....	2	2	3	Appointed Master of one of the Pilot schooners in August.
183	Nazaire Delisle.....	75	St. John, Orleans.....	5	5	5	
184	J. E. Bonaventure Lavoie.....	76	do do	4	4	5	
185	Alexis Vezeau.....	77	St. John, Orleans.....	5	5	5	
186	Adjudor B.ullargeon.....	78	St. Luce, Rimonski.....	5	5	5	
187	Samuel Rioux.....	79	Crane Island.....	6	5	10	
188	Chs. Oct. C.....	80	St. Pétronille, Orleans.....	5	5	5	
		81	Quebec.....	2	2	2	Master of one of the Pilot schooners till the beginning of July.
		82	St. Michel, Bellechasse.....	5	5	6	

STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—*Concluded.*

Number.	Names.	Age.	Residences.	Number of Pilotages effected.			Casualties and Remarks.
				Inwards.	Downwards.	Movages.	
189	Jos. Dion.....	23	Green Island.....	5	5	5	Licensed the 23rd April.
190	Paul Lachance.....	23	St. John, Orleans.....	6	5	6	do 1st October.
191	Arcadius Jovih.....	21	Ste. Luce, Rimouski.....	1	2	2	do 15th October.
192	Léon Labrecque.....	29	St. Laurent, Orleans.....	1	1	0	do 15th October.
193	Louis P. Lavoie.....	26	St. Germain, Rimouski.....	1	2	1	do 22nd October.
194	Paul Lachance.....	24	St. John, Orleans.....	1	1	0	do 22nd October.
195	Joseph Pouliot.....	23	do.....	0	1	0	do 22nd October.
196	Joseph Larochele.....	22	St. Michel, Bellechase.....	0	1	0	do 12th November.
197	Adjutor Lachance.....	21	do.....	0	1	0	do

Certified.

A. H. VERRÉT,
Secretary-Treasurer.

STATEMENT of Trials held during the Year 1879, before the Harbour Commissioners, under the Act respecting Pilotage, 36 Vic., chap. 54.

Names of Pilots tried.	Nature of Complaint lodged.	When Complaint lodged.	Date of Trial.	Judgment.
David F. Pelletier.	Insult to the Master of the Pilot Schooner No. 5.	7th July.....	6th August.....	Pleads guilty ; fined \$10 and costs.
Achille Damour....	For having on the 12th September grounded the ship "Goldfinder" at the inside of the upper Block of Sillery.	13th Sept., at 11:30 a.m.	23rd Sept.....	The case was dismissed, the Commissioners having been of opinion that the grounding of the vessel was purely accidental.
Nestor Lachance...	Insult to the President and Directors and other officers of the Corporation of Pilots.	9th October....	15th October...	Pleads guilty ; fined \$5 and costs.
Nap. Baillargeon...	Same offence	9th October....	15th October...	Pleads guilty ; fined \$20 and costs.

Certified.

A. H. VERRET,
Secretary-Treasurer.

LIST of Apprentice Pilots acting immediately under the Quebec Harbour Commissioners' Pilotage Authority, on the 31st December, 1879.

No.	Names.	Dates of Indentures.
1	Patient Marmen.....	14th October, 1874.
2	Elzéar Normand.....	14th do 1874.
3	Ernest Nollet.....	19th March, 1874.
4	Arthur Koenig.....	20th do 1874.
5	François Gourdeau, jun.....	20th do 1874.
6	David Dumas.....	21st do 1874.
7	Eugene Anctil.....	21st do 1874.
8	Alphonse Pouliot.....	21st do 1874.
9	Paul Paquet, jun.....	21st do 1874.
10	Joseph Lachance.....	21st do 1874.
11	Jean S. Bernier.....	21st do 1874.
12	Joseph Paquet.....	30th do 1874.
13	Jean Alphonse Lachance.....	15th April, 1875.
14	Arthur Pelletier.....	12th October, 1875.
15	Hermènégilde Guénard.....	12th do 1875.
16	Arthur Baillargeon.....	12th do 1875.
17	Jean Vézina.....	12th do 1875.
18	John William Irvine.....	28th do 1875.
19	Gaius Fortin.....	2nd November, 1875.
20	Horace Pelletier.....	4th May, 1876.
21	Elzéar Desrosiers.....	4th do 1876.
22	Frédéric Bouffard.....	26th July, 1876.
23	Jules Asselin.....	26th do 1876.
24	Alfred Dion.....	7th April, 1877.
25	Lucien Lachance.....	7th do 1877.
26	Odilon Lapierre.....	7th do 1877.
27	Camille Bernier.....	11th July, 1877.
28	Philéas Lachance.....	11th do 1877.
29	Moïse Blouin.....	11th do 1877.
30	Alfred Gourdeau.....	11th do 1877.
31	Alfred Raymond.....	11th do 1877.
32	Moïse Godbout.....	11th do 1877.

Certified.

A. H. VERRET,

Secretary-Treasurer.

F. X. DION, Current Account with the Corporation of Pilots of Quebec, to 31st December, 1879.

DR.	\$ cts.	CR.	\$ cts.	\$ cts.
To Balance of 1878.....	539 67	By General expenses.....	1,953 75	
Reserve Funds of 1878...	1,000 00	To be deducted—		
Montreal Customs	35,584 64	Rent to Messrs. Dawe & Jarvis.....	\$371 60	
Three Rivers Customs of 1878.....	40 00	Repairs to premises 50 00		
Three Rivers Customs of 1879.....	2,124 73	Sundries.....	0 50	
Chicoutimi Customs.....	1,121 51		422 10	1,531 65
Pilotage collected at Quebec	72,096 40	Pilots' expenses	575 86	
Pilotage collected by sundry Pilots	138 83	Less received from Allan, Rae & Co. \$64 20		
Fines	80 00	Sundries.....	14 43	
Loss time	2,195 62		78 63	497 23
		Schooners' expenses.....	1,921 79	
		To be deducted—Sale of old masts and sails.....	81 61	1,835 18
		Provisions.....	3,263 62	
		Less sold to sundry Pilots and Captains.....	139 65	3,123 97
		Cooks' wages.....		533 37
		Apprentices' wages.....		586 03
		Paid Messrs. Langlois, Angers, Larue & Angers.....		118 02
		Indemnity to Directors and Captains		671 25
		Employés' salaries		1,850 00
		Shares on schooners paid to retired or deceased Pilots.....		360 00
		Interest on loan of \$6000.....	420 00	
		To be deducted—		
		Amount received on account with National Bank.....	231 49	
		And collected on account schooner "Clara".....	14 00	
			245 49	174 51
		Pilotage—Refund made on difference of water, etc.....		256 64
		Decayed Pilot Fund—At the rate of 7 per cent.....		7,766 33
		Dividends.....		94,124 00
		Reserve fund.....		1,000 00
		Balance		505 22
	114,933 40			114,933 40

E. & O.E.

F. X. DION,
Treasurer.

We, the undersigned, certify to having minutely examined the books and accounts of the Corporation of Pilots of Quebec, and to having found them correct

G. RUELLAND,
Accountant.

THEOPHILE ST. LAURENT, }
CHARLES RAYMOND, } Auditors.

RETURN showing the Opening of the Navigation at the Port of Quebec, in each year, from 1830 to 1879 inclusively; also, the date of closing thereof during that period.

Years.	Arrivals from Montreal Steamers.	Arrivals from Sea Ships.	Sailed for Sea.	Years.	Arrivals from Montreal Steamers.	Arrivals from Sea Ships.	Sailed for Sea.
	Date.	Date.	Date.		Date.	Date.	Date.
1830.....	April 17...	April 26...	Dec. 4	1855.....	May 6...	May 6...	Nov. 22
1831.....	do 21 .. do	16...	Nov. 30	1856.....	April 27...	April 20...	do 23
1832.....	do 29...	May 4...	do 30	1857.....	do 17...	do 28...	do 24
1833.....	do 18...	do 10...	do 25	1858.....	do 18...	do 29...	do 25
1834.....	do 18...	do 6...	do 24	1859.....	do 22...	do 29...	do 28
1835.....	May 4...	do 2...	do 25	1860.....	do 26...	do 28...	do 26
1836.....	do 11...	do 11...	do 26	1861.....	do 26...	do 22...	do 26
1837.....	do 1...	April 29...	do 18	1862.....	do 30...	do 16...	do 29
1838.....	April 28...	May 3...	do 20	1863.....	May 3...	May 4...	do 27
1839.....	do 21...	do 8...	do 23	1864.....	April 21...	April 27...	do 30
1840.....	do 19...	April 25...	do 29	1865.....	do 21...	do 29...	do 28
1841.....	May 1...	do 29...	do 28	1866.....	do 26...	do 28...	Dec. 1
1842.....	April 21...	May 3...	do 28	1867.....	May 3...	do 17...	Nov. 29
1843.....	May 5...	April 18...	do 28	1868.....	April 28...	do 23...	do 28
1844.....	April 24...	May 3...	do 23	1869.....	do 30...	do 27...	do 27
1845.....	do 25...	do 1...	do 26	1870.....	do 25...	do 16...	Dec. 2
1846.....	do 17...	April 24...	do 27	1871.....	do 18...	do 22...	Nov. 27
1847.....	May 8...	May 8...	do 26	1872.....	May 6...	do 30...	do 26
1848.....	April 6...	do 1...	do 21	1873.....	do 2...	do 28...	do 22
1849.....	do 25...	April 28...	do 25	1874.....	do 10...	do 28...	do 25
1850.....	do 25...	do 28...	do 28	1875.....	do 9...	do 29...	do 23
1851.....	do 22...	do 20...	do 29	1876.....	do 9...	May 6...	do 24
1852.....	do 30...	do 15...	Dec. 4	1877.....	April 26...	April 25...	do 26
1853.....	do 23 .. do	24...	Nov. 26	1878.....	do 21...	do 20...	do 25
1854.....	May 5...	do 29...	do 19	1879.....	May 2...	do 29...	do 28

CUSTOM HOUSE,

Quebec, 1st January, 1880.

APPENDIX No. 19.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ST. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

ST. JOHN, N.B., 9th January, 1880.

SIR,—I have the honour to enclose you the Returns of Pilotage, &c., for the year ending 31st December last.

I am, Sir,

Your obedient servant,

J. U. THOMAS,
*Secretary.*To Wm. SMITH, Esq.,
Deputy Minister of Marine, &c.

STATEMENT of Receipts and Expenditure for the Year ending 31st December, 1879.

	\$	cts.	\$	cts.	\$	cts.
<i>Receipts.</i>						
From 42 licences from pilots, at \$5.....	210	00				
do 7 do pilot-boats.....	70	00				
25 cts. per ft. on the outward pilotage ships from this port.....			280	00		
do do do do Musquash.....			1,640	94		
Outward pilotage from ships going to sea without pilots.....			56	50		
Interest received on Dominion Bonds invested.....			129	24		
Fines.....			154	55		
			10	00		
					2,271	23
<i>Disbursements.</i>						
Paid Pensions 3 retired pilots.....	537	50				
do do 3 widows and children.....	305	00				
do Secretary's salary, 1 year.....			842	50		
do Rent. fuel, gas, &c.....			800	00		
do Auditing accounts, 1878.....			200	00		
do Legal advice.....			60	00		
do J. & A. McMillan, printing.....			60	00		
			5	75		
					1,968	25
Balance.....						302 98

RETURN of Vessels piloted in and out of this District, for the year ending 31st December, 1879.

Schooners.....	182
Brigs	86
Barques	159
Ships	69
Steamers.....	2
Total	498

Amount of pilotage..... \$21,614 63

British.

Schooners	79
Brigs	80
Barques.....	118
Ships	56
Steamers	2
Total	335

Amount of pilotage \$14,843 16

Foreign.

Schooners	103
Brigs	6
Barques	41
Ships	13
Total ..	163

Amount of pilotage..... \$6,771 47

RATES of Pilotage chargeable on vessels in the District of St. John.

INWARDS.

1st District, per foot	\$1 00
2nd do do	1 25
3rd do do	1 50
4th do do	1 75
5th do do	2 25

OUTWARDS.

From the Harbour to outside of Partridge Island, \$1.25 per foot.
 Down the Bay of Fundy, when required, \$2 per foot, in addition to the outward pilotage of \$1.25 per foot.

TRANSPORTING VESSELS IN THE HARBOUR.

Vessels not over 100 tons	\$1 50
do over 100 and not exceeding 200 tons	2 00
do do 200 do do 300 do	3 00
do do 300 do do 400 do	4 00

And 25c. additional for every 50 tons over 400.

HARBOUR OF MUSQUASH--INWARD.

1st District, \$1.75 per foot, and 25 cents per foot additional for each District boarded beyond the said first District.

OUTWARD.

\$1 per foot.

PILOTS for the District of St. John, N.B., for the Year ending 31st December, 1879.

Name.	Age.	Place.	Name.	Age.	Place.
Thos. Trayner.....	27	St. John.	James Reed, jun	34	St. John.
Sam'l Rutherford	48	do	John Spears (3rd)	31	do
Geo. P. Mulherrin.....	32	do	Chas. Daley	44	do
Jas. Cassidy	33	do	Wm. Lahey	50	do
Edwd. J. Fletcher	53	do	Richard Cline	55	do
John Spears (2nd).....	33	do	Jas. McPartland.....	46	do
Thos. Vaughan	61	do	Daniel Daley.....	51	do
Jos. Doherty	34	do	Jas. S. Spears	35	do
John L. O. Sherrard	46	do	Thos. John Stone.....	27	do
Wm. Hatfield.....	64	do	Michael Garrity.....	57	do
Jas. Doyle.....	43	do	Charles Bridges	33	do
Henry Spears	29	do	John Trayner.....	29	do
John Thomas.....	32	do	Robert Thomas.....	39	do
Patrick Trayner	54	do	Wm. Quinn	33	do
Thomas Doody	32	do	Daniel Mulherrin.....	54	do
Jas. Murray.....	39	do	Wm. Millen	29	do
Henry Thomas.....	49	do	Robert Rice	28	do
John Scott	62	do	Sam'l L. Sutton.....	31	do
John Sproul.....	44	do	Alfred Cline.....	23	do
Richard Scott.....	29	do	Wm. Scott	24	do
Patrick Conlin.....	30	do	John McNulty.....	42	Musquash.

J. U. THOMAS,
Secretary-Treasurer.

APPENDIX No. 20.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
BATHURST, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEM-
BER, 1879.

BATHURST, N.B., 3rd January, 1880.

SIR,—I herewith enclose the Pilotage Returns for this District for the year just closed, which, I trust, may be found in order.

I am, Sir,

Your obedient servant,

SAMUEL ADAMS,

Secretary, Pilotage Commissioners.

W. SMITH, Esq.,
Deputy Minister Marine and Fisheries,
Ottawa.

STATEMENT showing the Number of Vessels brought from and taken to Sea by each Pilot and Amount of Fees received.

Names of Pilots.	British Vessels Inwards.		British Vessels Outwards.		Foreign Vessels Inwards.		Foreign Vessels Outwards.		Total Number of Vessels.	Total Amount of Fees.
	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.		
Timothy Daly	3	\$ 45 60	3	43 60	4	57 40	1	13 20	11	\$ 159 80
William S. Daly	1	18 00	.....	.....	1	16 80	.....	.....	2	34 80
Peter Hachie .....	.....	.....	1	16 00	2	31 20	5	71 20	8	118 40
Fabien Hachie	2	27 20	2	27 20	1	14 40	2	26 80	7	85 60
Nazaire Hachie .....	.....	.....	.....	.....	3	40 80	4	54 40	7	95 20
Frederick Ronalds .....	.....	.....	.....	.....	1	16 20	.....	.....	1	16 20
Total	6	90 90	6	86 80	12	176 80	12	165 60	36	510 00

Rates of Pilotage at this Port, chargeable on all vessels :—

	Per foot.
Vessels above 100 tons, inward bound, when anchored below " Forks "	\$1 20
" " " above "	1 40
" outward bound, when anchored below "	0 80
" " " above "	1 00
Inwards or outwards, not above 100 tons and upwards of 75 tons.....	6 00
" 75 " 50	4 00
" 50 " 30	3 00
" 30 under.....	2 00
For removal of any vessels from one mooring-ground to another... . .	1 50

Vessels reported inwards :—

British	6
Foreign.	12
	18

Vessels reported outwards :—

British	6
Foreign.	12
	18

RECEIPTS and Expenditure of all Monies received by or on behalf of the Pilotage Authority of Bathurst District.

Cr.	Amount.	Total.	Dr.	Amount.	Total.
	\$ cts.	\$ cts.		\$ cts.	\$ cts.
By Amount received from Pilots.....	15 00		For Books, stationery, &c.....	3 60	
Amount received for boat licenses	12 00		Anslow Bros., printing.....	12 62	
Outward pilotage of " Bertha Anderson "	13 60		Pilot Hachie, half pilotage	6 80	
		40 60	Secretary.....	17 58	
					40 60

SAMUEL ADAMS,
Secretary, Pilotage Commissioners.

APPENDIX No. 21.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
BUCTOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31st
DECEMBER, 1879.

BUCTOUCHE, N.B., 3rd January, 1880.

SIR,—In accordance with your notification of the 15th ult., and as required by the provision of the 24th section of the Act 36 Vic., cap. 54, respecting Pilotage, I herewith transmit to you the Pilotage Returns for the District of Buctouche, for the year ending 31st December, 1879, and which I hope will be found satisfactory.

I have kept some other particulars respecting vessels, &c., but believe the report includes all mentioned as required by the Act.

I am, Sir,

Your most obedient servant,

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

PILOTAGE RETURNS, DISTRICT OF BUCTOUCHE, PROVINCE OF NEW BRUNSWICK, FOR
THE YEAR 1879, ACT 36 VIC., CAP. 54, SEC. 24.

1. Names and ages of Pilots licensed:—

John S. Dixon.....	46 years.
Frederick Legere	42 "
Caliste Legere	46 "
Thad Pellerin.....	43 "
Matthew Smith.....	40 "
John G. Smith.....	33 "
Alfred Smith	32 "

2. The above-named pilots are all licensed to undertake the pilotage of vessels of every description within and throughout the pilotage district of Buctouche.

3. Pilotage dues, as per section 12 of rules and regulations for the district, viz.: One dollar and fifty cents (\$1.50) per foot draught of water, both inward and outward bound.

4. Total amount received for pilotage dues, \$246, of which \$100.50 was received from British vessels and \$145.50 from foreign vessels, and all at the rate of \$1.50 per foot for inward and outward pilotage.

5. The pilotage dues as above were paid to the different pilots who performed their duties as such to the respective vessels.

According to the rules and regulations of the district, a fee of \$2 was paid by each pilot to the Pilotage Authority on obtaining his license, making in all \$14, of which \$3 was expended for printing rules and regulations, and \$1 for incidental expenses, leaving balance of \$10 in the hands of Pilotage Authority.

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

BUCTOUCHE, N.B., 3rd January, 1880.

APPENDIX No. 22.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
CARAQUET, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER,
1879.

CARAQUET, 2nd January, 1880.

SIR,—I beg to refer you to enclosed Pilotage Report for the Pilotage District of
Caraquet, for season 1879.

I remain, Sir,

Your obedient servant,

PHILIP REVE,

Secretary to the Pilot Commissioners.

WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

CARAQUET PILOTAGE AUTHORITY.

Pilotage Report.

Gervais Poulain, Pilot—

Barque "Sarah," from Laurvig, Norway, 9th May, 1879, 569 tons, Captain F.
Krefting.

From sea to ballast ground, 12ft., at \$1.20.....	\$14 40
" ballast ground to loading berth.....	2 00
" loading berth down harbour.....	2 00
" harbour to sea, 18ft., at \$1.....	18 00
	<hr/>
	\$36 40

Gervais Poulain, Pilot—

Barque "Busken," from Slavanger, Norway, 13th May, 1879, 440 tons, Captain
A. Nass.

From sea to ballast ground, 13½ ft., at \$1.20.....	\$16 20
" ballast ground to loading berth.....	2 00
" loading berth down harbour.....	2 00
" harbour to sea, 19ft., at \$1.....	19 00
	<hr/>
	\$39 20

Gervais Poulain, Pilot—

Barque "4 Nobr," from Antwerp, 11th June, 1879, 486 tons, Captain Thos. Wettre,
registered in Christiana.

From ballast ground to loading berth.....	\$2 00
" loading berth down harbour.....	2 00
" harbour to sea, 20ft., at \$1.....	20 00
	<hr/>
	\$24 00

Gervais Poulain, Pilot—

Barque "Dagny," from Cardiff, 22nd June, 1879, registered in Porsgrund, Norway,
349 tons, Captain J. J. Jackson.

From sea to ballast ground, 13½ ft., at \$1.20.....	\$16 20
" ballast ground to loading berth.....	2 00
" loading berth down harbour.....	2 00
" mooring down again.....	2 00
" harbour to sea, 19ft., at \$1.....	19 00
	<hr/>
	\$41 20

Gervais Poulain, Pilot—

Barque "Sarah," from Liverpool, 25th August, 1879, registered in Lauric, Nor-
way, 569 tons, Captain F. Krefting.

From sea to ballast ground, 12ft., at \$1.20.....	\$14 40
" ballast ground to loading berth.....	2 00
" loading berth down harbour	2 00
" harbour to sea, 17ft., at \$1.....	17 00
	<hr/>
	\$35 40

Gervais Poulain, Pilot—

Barque "Henriette," from Liverpool, 30th August, 1879, registered in Christians-
and, 589 tons, Captain C. N. Bull.

From sea to ballast ground, 12ft., at \$1.20.....	\$14 40
" ballast ground to loading berth.....	2 00
" loading berth down harbour	2 00
" harbour to sea, 19ft., at \$1.....	19 00
	<hr/>
	\$37 40

Gervais Poulain, Pilot—

Brigantine "Reaper," from Paspebiac, 30th August, 1879, registered in Jersey,
137 tons, Capt. E. Renouf.

From sea to loading berth, 10ft., at \$1.20	\$ 6 00
" harbour to sea, 12ft., at \$1	12 00
	<hr/>
	\$18 00

Gervais Poulain, Pilot—

Schooner "Boliva," from Cadiz, 24th October, 1879, registered in Jersey, 79 tons,
Capt. E. Vautier.

From sea to loading berth, 10ft., at \$1.20	\$12 00
" harbour to sea, 10ft., at \$1.....	10 00
	<hr/>
	\$22 00

Theotime Irony, Pilot—

Barque "4 Nobr," Norway, 6th June, 1879, Capt. T. Wettre, from Antwerp, 486 tons.
From sea to ballast ground, 13½ft., at \$1.20.....

.....	\$16 20
	<hr/>

Theotime Irony, Pilot—

Schooner "Albatross," from Figuero, 28th July, 1879, registered in Jersey, Capt.
Davy, 79 tons.

From sea to harbour.....	\$9 00
" harbour to sea.....	9 00
	<hr/>
	\$18 00

PORT OF SHIPPEGAN.

Alexander Campbell, Pilot—

Schooner "Seabird," from Figureo, of Jersey, 75 tons, Capt. —
 From sea to harbour and harbour to sea..... \$18 00

Alexander Campbell, Pilot—

Schooner "Willing," of Jersey, 92 tons, — Clarke, Master.
 From harbour to sea..... \$9 00

Theotime Irony, Pilot—

Schooner "Willing," of Jersey, 92 tons, Capt. Clarke.
 From sea to harbour..... \$12 60

PHILIP REVE,

Secretary to Pilotage Commissioners.

APPENDIX No. 23.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
COCAGNE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER,
1879.

COCAGNE, KENT Co., 10th January, 1880.

SIR,—We, the Pilotage Authority for the Port of Cocagne, in the County of Kent, in the Province of New Brunswick, have the honour to transmit to you our Returns respecting the pilots for said port.

Names of Pilots.	Ages.	
1st. Eustache Martin.....	42	Licensed.
Sylvain Hebert.....	45	do
Camille Duprey.....	46	do
Placide Duprey.....	44	do

2nd. The services of each and every of the pilots are to pilot ships and vessels in and out of said port, and removing them when required.

3rd. Each and every pilot receives \$1.40 per foot of draught of water for piloting vessels in and out of the Port of Cocagne, and \$4 for each and every requisite removal.

4th. Received \$32.20 from British ships; \$206.96 from foreign ships; total,
\$239.16.

5th. Received from pilots of said port, \$8.

We have the honour to be, Sir,

Your obedient servants,

THOMAS IRVING,
THEOPHILUS BILODEAU, } *Pilotage Authority.*
JOHN BROOKS,

Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

PILOTS REPORT.

Date.	Where Spoken or Boarded.	Name of Vessel and Rig.	Name of Captain.	Nationality.	Draught of Water, Inwards.		Draught of Water, Outwards.		Whether under Steam, Sail, or in tow of a Steamer.	Amount of Pilotage.	
					Feet.	Aft.	Feet.	Aft.		Inwards.	Outwards.
1879.					Feet.	Feet.	Feet.	Feet.		\$	cts.
May 9	In Pilotage District.	"Amy Parker," barque.	C. A. Larcel.	Norwegian.	10½	11	14½	14½	Sail	15 40	20 30
June 3	Off District.	"Tardens R. Jold," barque.	M. Shien.	do	11½	12	13½	14	do	16 80	19 60
do 3	In District.	"Amelly," barque.	J. Anderson.	do	10½	11	14½	15	do	15 40	21 00
July 28	do	"Princess Alice," barque.	Henry Cavender	English.	8	8½	14	14½	do	11 90	20 30
Oct. 3	do	"Stanby," barquentine.	D. Gearson.	Norwegian.	7½	8	13½	14	.....	11 20	19 60
July 15	Shediac.	"Esmeralda," barque.	A. Andersen.	Norwegian.	9	10	14	14	Sail	34 66	34 66
June 23	Sea.	"Karen Elia" do	A. J. Anderson.	Finsberg.	9½	10	13½	14	do	33 60	33 60

EUSTACHE MARTIN, } Pilots.
 CAMILLE DUPREY, }
 SYLVAIN HEBERT, }

APPENDIX No. 24.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CHARLOTTE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

SAINT ANDREWS, N.B.,
1st January, 1880.

SIR,—I have the honour to hand you enclosed Returns of Pilot Commissioners for the county, for year ending 31st December last.

I am, Sir,

Your most obedient servant,

C. E. O. HATHEWAY,

Commissioner, Acting Secretary.

To Wm. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa, Canada.

PILOTAGE RETURNS FOR THE COUNTY OF CHARLOTTE, FOR THE YEAR 1879.

Name of Pilot.	Age.	For what District licensed.
Cline, William	69	Pilotage District of County.
Cline, Wellington	38	do do
Boyd, Joseph	44	do do
Conley, Thomas.....	49	do do
Pine, Jas. D.	54	do do
Cline, Edward.....	64	do do

Pilot sloop "Pilot"..... 11·80 tons.

Amount received by Pilots for Pilotage, per Returns.

British vessels	\$328 20
Foreign do	135 00
Total	\$463 20

Receipts by Commissioners.

Received for licenses	\$14 00
do regulations	4 00
do license of boat	5 00
Total].....	\$23 00

Expenditure.

Stationery and postage	\$ 1 50
Expenses of Commissioners at St. George and St. Stephens.	10 00
Commissioner at St. Andrews, Acting Secretary.....	11 50
Total.....	\$23 00

Rates of Pilotage.

Longest pilotage distance, inwards or outwards	\$2 25 per foot.
Second do do	1 60 do
Third do do	1 50 do

(To Campobello, 20 cents per foot less than above rates.)

Fourth pilotage distance, inwards or outwards \$1 00 per foot.

From 1st November to 1st of April, 20 cents per foot in addition to above rates.

Harbour pilotage, up to 300 tons, \$2.50; above 300 tons, \$3.

River pilotage, inside St. Andrew's Bay, up to 200 tons, \$4; to 300 tons, \$5; to 400 tons, \$6; over 400 tons, \$8.

River pilotage, St. Andrew's Bay to any harbour in the County:—Under 200 tons, \$6; under 300 tons, \$8; under 400 tons, \$10; over 400 tons, \$12.

C. E. O. HATHEWAY,
Commissioner, Acting Secretary

St. ANDREWS, N.B.,
31st December, 1879.

APPENDIX No. 25.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
MIRAMICHI, N. B., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
1879.

NEWCASTLE, MIRAMICHI, 6th January, 1880.

SIR,—I have the honor herewith to hand you the Pilotage Returns for this District, for the year ending 31st December, 1879.

I am, &c.,

Your obedient servant,

R. R. CALL,

Secretary, Pilot Commissioners.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RECEIPTS and Expenditure of all money received by or on behalf of the Pilotage
Authority in respect of Pilots or Pilotage, for the year 1879.

	\$	cts.
Received from 27 Pilots for renewal of License, \$4.00 each.....	108	00
do 1 Pilot for new License	5	00
Received for renewal on 10 Pilot Boat Licenses, at \$5.00 each.....	50	00
do 1 new Pilot Boat License.....	10	00
	173	00
Paid John Brown, examining 1 Candidate for License.....	\$	1 00
Paid Jas. Henderson, surveying and reporting 1 new Pilot Boat.....	5	00
do reporting on 10 Pilot Boats for renewal of License.....	25	00
Paid telegrams.....	3	40
Paid W. & J. Anslow, printing account.....	15	50
Paid for stationery and postage.....	6	20
Paid Secretary account services.....	116	90
	173	00

STATEMENT showing the Number of Vessels brought in and taken out to Sea by each Pilot and the amount of Fees received.

Name of Pilot.	British Vessels Inwards.		British Vessels Outwards.		Foreign Vessels Inwards.		Foreign Vessels Outwards.		Total Number of Vessels.	Total Amount of Fees.
	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.		
Joseph Jimmo, Sr.....	2	\$ 45 00	2	\$ 55 87	7	\$ 175 50	9	\$ 251 75	20	\$ 528 12
Louis Jimmo.....	1	45 00	1	36 00	6	159 75	7	219 00	15	437 25
Angus McEacheran.....	2	22 50	4	98 00	5	136 12	10	304 00	21	587 62
Mitchell Martin.....	4	49 50	4	95 25	8	219 37	7	235 87	23	644 99
Francis Martin.....	7	171 00	6	182 87	7	177 75	8	240 87	28	772 49
Alex. Martin.....	3	75 37	1	39 00	3	76 50	.....	.....	7	190 87
Angus McLean.....	5	129 37	4	134 00	7	181 12	7	212 00	23	656 49
Alexander Wilson.....	5	116 87	5	153 62	11	296 87	8	264 00	29	831 36
Robert J. Walls.....	1	121 50	5	142 87	3	78 75	4	119 12	17	462 24
George Savoy.....	5	22 50	3	92 75	12	328 50	11	356 62	27	800 37
Reuben Nowlan.....	3	83 12	3	106 00	6	159 75	6	184 12	18	632 99
John McEacheran.....	4	96 75	5	168 00	4	111 37	6	196 25	19	672 37
Charles McLean.....	No reports.	.....	.....	.....	.....	.....	.....	.....	.....	.....
James Walls.....	1	21 12	2	41 12	6	159 75	7	237 37	16	459 36
Oliver Foster.....	3	68 62	3	63 00	6	165 37	6	194 12	18	491 11
M. Muzerall.....	1	24 75	.....	.....	.....	.....	.....	.....	.....	.....
William Walls.....	3	70 87	3	87 00	6	164 25	6	199 75	18	521 87
William Tait.....	1	32 62	2	66 87	4	111 12	5	169 87	12	370 48
Allan McEacheran.....	1	24 75	1	36 00	11	290 25	12	370 75	25	721 75
John McCullum.....	1	30 37	.....	.....	4	101 25	.....	.....	5	131 62
James Nowlan.....	6	136 12	7	186 25	10	262 12	10	318 12	33	912 61
Dudley P. Walls.....	4	90 00	5	153 62	6	150 75	6	179 37	21	573 74
George Sutton.....	3	74 25	1	21 00	8	129 37	6	172 62	15	397 24
James A. Nowlan.....	3	22 50	1	24 50	5	231 75	8	279 37	18	558 12
George Tait.....	5	127 12	3	74 37	11	302 25	10	312 37	29	816 11
Joseph Jimmo, Jr.....	2	38 25	.....	.....	9	228 37	.....	.....	11	266 62
Maxime Martin.....	4	63 00	4	104 37	5	153 00	7	249 87	20	570 24
William McEacheran.....	3	63 00	3	96 12	6	160 87	4	142 00	16	461 99
Total.....	61	1,915 32	78	2,268 45	176	4,711 82	170	5,399 18	505	14,294 77

PILOTAGE RETURNS for Miramichi District, 1879.

No. of License.	Name of Pilot.	Age.	For what Service Granted.
1	Joseph Jimmo.....	65	Full License for District.
2	Louis Jimmo.....	25	do
4	Angus McEacheran.....	60	do
5	Mitchell Martin.....	50	do
6	Francis Martin.....	45	do
7	Maxime Martin.....	34	do
8	Alexander Martin.....	54	Inwards only.
9	Angus McLean.....	46	Full License for District.
10	Alexander Wilson.....	38	do
11	Robert Walls.....	28	do
12	George Savoy.....	35	do
13	Reuben Nowlan.....	35	do
14	John McEacheran.....	29	do
15	Charles McLean.....	40	do
18	James Walls.....	62	do
19	William McEacheran.....	35	do
20	Oliver Foster.....	38	do
21	Michael Muxerall.....	54	do
22	William Walls.....	25	do
23	William Tait.....	56	do
24	Allan McEacheran.....	45	do
26	John McCullam.....	27	do
27	James Nowlan.....	28	do
28	Dudley P. Walls.....	33	do
29	George Sutton.....	27	do
30	James A. Nowlan.....	24	do
31	George Tait.....	22	do
32	Jos. Jimmo. jr.....	24	Inwards only.

Rates of Pilotage chargeable at this Port, on all vessels, British or Foreign:—

When inward bound.....	\$2 25 per foot.
When outward bound, drawing less than 17 feet..	1 75 “
When drawing 17 feet and upwards.....	2 00 “

For every vessel taken to sea after the 1st November, a bonus of \$4.

For the removal and mooring of any vessel:—

Vessels not exceeding 100 tons.....	\$1 50
Vessels over 100 and not exceeding 200 tons.....	2 00
Vessels over 200 and not exceeding 300 tons.....	3 00
Vessels over 300 tons.....	4 00

And where the distance of removal exceeds four miles, 50 per cent. to be added to the foregoing rates.

Vessels reported inwards:—

British.....	81
Foreign.....	176

257

Vossels reported outwards :—

British.....	78
Foreign.....	170
	248

Total amount of pilotage inward :—

British.....	\$1,915 32
Foreign.....	4,711 82
	\$6,627 14

Total amount of pilotage outward :—

British.....	\$2,268 45
Foreign.....	5,399 18
	\$7,667 63

STATEMENT of Boats and their Tonnage, &c., Licensed by the Pilotage Authority for the Year 1879.

No.	Name.	Tonnage.	Captain's Name.	When Licensed.	When Renewed.
1	Spray	17-51	J. McCullam	May, 1875.....	May, 1879.
2	Industry	16-00	Mitchell Martin	do	do
3	Venus	18 00	Geo. Savoy	do	do
5	Telegraph	20-00	Jas. A. Nowlan.....	do	do
7	Advance	23-00	Angus McEacheran	do	do
9	Whitewing.....	20-00	Maxime Martin	May, 1876.....	do
11	May Queen.....	22-56	Allan McEacheran	May, 1878.....	do
12	Peter Mitchell.....	26-10	Joseph Jimmo.....	do	do
13	Two Brothers.....	25-00	Wm. Tait	do	do
14	Empress.....	25-59	F. Martin	do	do
15	Princess Louise.....	.....	Jas. Wells.....	May, 1879.....	.....

R. R. CALL,
Secretary.

WILLIAM PARK,
Chairman.

NEWCASTLE, MIRAMICHI; N.B.,
31st December, 1879.

APPENDIX No. 26.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
RESTIGOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31st
DECEMBER, 1879.

DALHOUSIE, N.B.,
10th January, 1880.

SIR,—Enclosed is the Commissioners Return for the Pilotage District of Resti-
gouche, which I trust will be found sufficiently explicit.

I remain, Dear Sir,

Your most obedient servant,

DAVID RITCHIE.

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURN of the Pilotage Authority of the District of Restigouche, N.B., for the Year ended 31st December, 1879.

No.	Date.	Rig.	Name.	Register.	Master.	Whence.	Tonnage.		Draught.		Rate.	Total.
							In.	Out.	In.	Out.		
1	May	7/Barque.	Lilia	Norway	A Slien.	Norway	288		9	14	\$ 1.50	\$ 35 25
2	do	17/Brig.	St. George	British	G. W. Dixon	Dunkirk	262		9	14	1.50	36 00
3	do	18/Barque.	Fly	Norway	Julien Brick	London.	587		12	16	1.50	42 00
4	do	19/ do	Helena	do	Jos. Showers.	do	641		13	20	0 70	23 10
5	do	19/ do	Pomona.	Canadian.	Wm. Gordon.	Liverpool.	748		12	17	1 00	29 00
6	do	19/ do	Hope	British.	John Jenkins.	Aberystwith.	275		10	13	1 00	23 00
7	do	19/Barquentine	Globe	do	J. W. Alexander.	Belfast.	320		8	13	1 00	21 50
8	do	20/Ship.	Annabella.	Canadian.	Wm. Jones.	St. John	344		14	20	1 00	35 00
9	do	25/Brig.	Fido	Norway	Lawson	do	214		10	13	0 70	16 10
10	do	25/Barque.	Thilda	do	H. Haltgreen	London.	463		12	18	1 50	45 00
11	do	28/Barquentine	Eldorado	British.	Johnston	Liverpool.	224		9	13	0 70	15 40
12	June	3/Brig.	Chester	do	D. Morgan.	Lianelly	200		10	13	0 70	16 10
13	do	7/Barque.	Lord Dufferin.	do	S. Haasen.	Arundel	661		13	19	1 00	33 00
14	do	10/ do	Winona	do	Jas. Gordon.	Liverpool	693		11	17	1 00	28 50
15	do	14/ do	Hero	Norway	D. Bastiansen.	London.	612		13	20	1 50	50 25
16	do	21/ do	Olive Mount	British.	E. A. Randal.	Liverpool.	583		11	15	1 00	27 00
17	do	21/Barquentine	Scylla.	do	Wm. Morris.	Lianelly	187		7	11	1 50	27 00
18	do	28/Barque.	Agenoria	do	Lewis Davis	Havre	207		8	12	1 50	30 75
19	do	19/ do	Grannet	Norway	J. Wolverson.	Christiansand	292		14	14	1 50	34 50
20	do	28/ do	Patriot Queen	British.	J. Harper.	Glasgow Dock	609		13	19	1 50	48 00
21	do	28/ do	William and Annie	do	Evan Evans	Lianelly	197		8	11	1 50	28 50
22	Aug.	13/ do	Jacob Rands.	do	P. M. Peterson	Liverpool.	521		11	16	0 70	18 90
23	do	24/Ship.	Annabella.	Canadian.	Wm. Jones	do	844		14	20	1 00	35 00
24	do	24/Barque.	Morning Star.	British.	A. Fox	do	261		10	14	0 70	16 80
25	do	24/ do	Ocean Child	do	Edwards	Wales	200		9	13	1 50	33 00
26	Sept.	8/ do	Nicanor.	Norway	S. Olsen	France	423		12	17	0 70	20 30
27	do	8/ do	Rykan	do	A. Andersen	London.	617		14	21	0 70	24 50
28	do	27/Ship	Gads Hill.	British.	John Hog.	Hamburg	927		11	17	0 70	19 60
29	do	27/Brig.	Fido	Norway	Lawson	Liverpool	214		10	13	0 70	16 10
30	do	27/Barque.	Vancouver	British.	R. Jones	do	1,065		13	20	1 00	33 50
31	do	27/ do	Winburn.	do	J. Robertson	Halifax.	478		11	15	0 70	18 20
32	do	27/ do	Olive Mount	do	E. A. Randal	Liverpool	683		12	15	1 00	27 00
33	do	27/ do	Patriot Queen	do	J. Harper	do	509		13	19	1 50	48 00
34	do	29/Brigantine	Louise	Canadian.	James Curry	P. E. Island	147		8	11	1 50	28 50
35	Nov.	10/Barque.	Annie Williams.	British.	Wm. Moores	Liverpool.	581		11	17	1 50	32 75
36	do	10/ do	Helena.	Norway	Jos. Showers.	Gloucester.	661		12	19	0 70	21 70
37	do	28/ do	Queen of India	British.	J. Jerdella.	Liverpool	1,043		14	21	1 00	35 00

Pilots.	Age.	Services.	Licenses.
William Elsliger.....	52	Piloting.	\$10 00
Andrew Elsliger.....	50	do	10 00
Robert McNeil.....	35	do	} 15 00
Donald McNeil.....	40	do	
			\$35 00
License blanks for pilots and their boats.....			} \$35 00
Blanks for Pilot Reports.....			
Balance voted to the Secretary.....			

ROBERT MOFFATT,
Chairman,

DAVID RITCHIE,
Secretary.

APPENDIX No. 27.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RICHIBUCTO, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

RICHIBUCTO, N.B.,
20th January, 1880.

<i>Pilots.</i>	<i>Age.</i>	<i>Licensed.</i>
George Irving, sen.....	73	} To Pilot any vessel within the Pilotage District of Richi- bucto.
John Long.....	63	
Samuel Richard.....	59	
Thos. Michaud.....	56	
Joseph McNeil.....	46	
Wm. Irving.....	44	
James W. Long.....	35	
George H. Long.....	34	
Henry D. Irving.....	33	
Wm. H. Long.....	28	
Albert Long.....	28	

Rates of Pilotage.

District of Richibucto:—

Inward or Outward, \$1.50 per foot.

Up River District:—

Upward or Downward, \$1 per foot.

For the removal of any ship or vessel, and seeing the same properly secured and moored:—

- \$1 50 for vessels not exceeding 100 tons.
- 2 00 " " over 100 tons and not exceeding 200 tons.
- 3 00 " " 200 " " 300 "
- 4 00 for all vessels over 400 tons.

Vessels inward and outward at the port of Richibucto:—

British and Colonial.....	10
Foreign.....	29

39

Pilotage collected by Pilots:—

From British and Colonial vessels.....	\$390 00
From Foreign ".....	1,131 00

Total amount of Pilotage collected. \$1,521 00

Collected by Commissioners:—

Balance on hand, 31st December, 1878.....	\$37 25
Received for renewal of 11 licenses.....	11 00
	\$48 25

Expended:—

Paid W. & J. Onslow, printing 50 copies addi- tional regulations.....	\$0 60
Paid postage and stationery.....	0 75
	\$1 35

Balance in hand of Commissioners..... \$46 90

W. J. SMITH,
Secretary.

 APPENDIX No. 28.

 REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
 ANTIGONISH, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
 1879.

ANTIGONISH, N.S., 10th January, 1880.

SIR,—Shortly after receiving our appointment as Pilotage Commissioners for the Harbour of Antigonish, we met and drew up a code of by-laws and regulations, such as in our judgment were best suited to the shipping interests of the said port, and in conformity therewith proceeded to appoint three pilots as follows:—

John Mahoney, No. 1, aged 52 years, living in full view of Antigonish Harbour and Bay, and can readily see any and all vessels as they approach the harbour, and whose duty it is to board and render such services as may be required of him either in bringing vessels into or out of said harbour.

John McDonald, No. 2, aged 37 years, living on the side of Antigonish Harbour and in full view of Pilot No. 1 as well as all parts of said harbour, and whose duty it is to take charge of and pilot into or out of said harbour any vessel that may require his services, and render such assistance to Pilot No. 1 as he may require of him.

Charles Cunningham, No. 3, aged 34 years, living at the head of the harbour of Antigonish, whose duty it is to take charge of and pilot any vessel or vessels from their usual anchorage at Red Point up to the wharf at the head of the harbour and *vice versa*, and also render any assistance that may be required of him by Pilots No. 1 and 2.

Pilotage dues were fixed, but not any collected.

C. B. WHILDEN,

Chairman of Pilotage Commissioners.

WM. SMITH, Esq.,
 Deputy Minister of Marine and Fisheries,
 Ottawa.

APPENDIX No. 29.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF GREAT AND LITTLE BRAS D'OR LAKES, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

1. LICENSED PILOTS.

No.	Name.	Residence.	Age.	Amount Received by each.	Remarks.
				\$ cts.	
1	Ingraham Carey	Cape Dauphin.....	68	.....	Did not act.
2	Lauchlin Livingston.....	Big Bras d'Or	26	56 00	
4	John Connel.....	Cape Dauphin.....	48	.....	No return.
5	Daniel Ryan.....	Boulardarie	51	.....	do
8	Kenneth McAulay.....	Table, Big Bras d'Or.....	24	45 00	
9	William Carey	Big Bras d'Or	30	.....	Did not act.
10	Neil McLean	Baddeck.....	68	38 00	
11	John McLean	do	54	37 00	
12	William Kidston.....	do	41	.....	do
		Total .....	.....	175 00	

2. CERTIFICATED MASTERS WHO ACT AS PILOTS.

No.	Name and Residence.	Vessel.	Tons.
1	James McDonald, Baddeck.....	Master schooner "Anne Jane".....	103
2	Hector McLean do	do do "W. C. Silver"	106

3. The services for which pilots were licensed: "To undertake the pilotage of vessels of every description within and throughout the pilotage district of the Great and Little Bras d'Or Lakes.

4. The services for which masters were certificated: "To undertake the pilotage of vessels named in his certificate, and of any other vessel of her class for which he may be acting as master or mate at the time, but no other, within and throughout the limits of the pilotage district of the Great and Little Bras d'Or Lakes."

5. The pilotage dues for the time being in force are as set forth in the scale hereunto annexed.

6. As we have no pilotage fund, each pilot takes what he earns.

7. Amount received for licensing pilots for the year, \$17.50.

8. Amount paid Secretary for the year, \$4.37.

All of which is respectfully submitted.

JOHN A. FRASER,
DONALD MORRISON, } *Commissioners.*
WILLIAM McDONALD, }

SCALE of Pilotage Fees for the Pilotage District of Bras d'Or, Cape Breton.

	Bras d'Or.	Plaster Har- bour.	Baddeck.	Whycoco- magh.	East Bay.	Little Bras d'Or.	West Bay.
	\$	\$	\$	\$	\$	\$	\$
Vessels of							
80 to 100 tons.....	3	5	7	11	10	8	11
100 to 150 ".....	4	6	9	12	11	10	13
150 to 200 ".....	5	8	10	14	13	12	14
200 to 250 ".....	6	8	12	16	16	13	16
250 to 300 ".....	7	9	12	16	16	14	17
300 to 350 ".....	8	10	13	18	17	16	18
350 to 400 ".....	9	12	14	19	18	17	19
400 to 450 ".....	10	12	14	20	19	17	20
450 to 500 ".....	11	14	15	22	20	17	22
500 to 600 ".....	11	14	15	24	22	18	23
600 to 700 ".....	12	15	18	26	24	19	25
700 to 800 ".....	13	16	20	28	26	20	28

St. Anns the same pilotage fee as Plaster Harbour.

And River Dennis the same pilotage fee as Wycocomagh.

JOHN A. FRASER,
DONALD MORRISON,
WILLIAM McDONALD, } Commissioners.

APPENDIX No. 30.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

HALIFAX, N.S., 9th January, 1880.

SIR,—In compliance with the law, I herewith have the honour to transmit the Annual Returns of the Pilotage Authority for the District of Halifax, N.S., as follows:—

- Return of vessels, inward, British and foreign.
- Return of vessels, outward, British and foreign.
- Statement of receipts and disbursements.
- Scale of pilotage dues.
- List of licensed pilots.

I have the honour to be, Sir,

Your obedient servant,

FRED. D. CORBETT,

Secretary-Treasurer.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURN of Vessels entered Inwards, at the Port of Halifax, N.S., from 1st January to 31st December, 1879, subject to compulsory pilotage dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Barque.	Ship.	Steamer.	Tonnage.	Amount.
160	215	2	29	4	198	375,434	\$ 7,633 45

FOREIGN.

33	2	4	17	4	93	95,463	1,627 80
193	217	6	46	8	291	470,897	9,281 25

E. & O. E.

RETURN of Vessels entered Outwards, at the Port of Halifax, N.S., from 1st January to 31st December, 1879, subject to compulsory pilotage dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Barque.	Ship.	Steamer.	Tonnage.	Amount.
11	24	2	40	4	214	392,403	\$ cts. 3,335 87

FOREIGN.

1	2	4	7	4	101	38,198	902 07
12	26	6	47	8	315	430,601	4,237 94

E. & O. E.

STATEMENT of Receipts and Disbursements, from 1st January to 31st December, 1879.

	\$	cts.	\$	cts.
RECEIPTS.				
By Amount collected, Inward and Outward Pilotage, net	13,519	19		
Received for Renewals, Bonds, &c.....		135	00	
do Commission on earnings to defray expenses of office.....		666	49	
do Superannuation Fund.....		266	42	
				14,585 10
EXPENDITURE.				
To Amount paid Pilots, as per Receipt Book.....	12,401	44		
Expense account, office rent, Secretary's salary, printing, &c	1,498	46		
Widows and orphans, &c.....		70	00	
Cash on hand	615	20		
				14,585 10

E. & . E.

LIST OF PILOTS.

Number.	Name.	Residence.
1	John Fleming.....	Ketch Harbour.
2	Thomas Holland.....	Duncan's Cove.
3	James Holland.....	do
4	William Baker.....	Halifax.
5	Barnard Gallagher.....	do
6	Daniel Martin.....	Ketch Harbour.
7	Joseph Rhine.....	Herring Cove.
8	Patrick Hayes.....	do
9	Hugh Munro.....	do
10	Jeremiah Holland.....	Duncan's Cove.
11	Edward Bayers.....	Ketch Harbour.
12	James Hanrahan.....	Ferguson's Cove.
13	William Beazley.....	do
14	John Hayes.....	Herring Cove.
15	Thomas Beazley.....	Ferguson's Cove.
16	Charles Glazebrooke.....	do
17	Richard O'Neal.....	Portuguese Cove.

Scale of Pilotage Dues for the Port of Halifax, N.S. :—

	Inwards.	Outwards.
Vessels of 200 tons and under.....	\$8 00	\$5 00
do 200 to 300.....	11 00	7 00
do 300 to 400.....	14 00	9 00
do 400 to 500.....	16 00	10 00
do 500 to 600.....	18 00	11 00

An additional fifty cents for every 100 tons (or fractional part thereof) above 600 tons, inwards; and twenty-five cents, outwards.

Outward pilotage for all vessels of 200 tons and upwards to be compulsory.

Ships of Her Majesty's navy and all ships of war, when taking a pilot, to pay the same rates of pilotage as merchant vessels.

All vessels laden with coal from coal ports in the Province of Nova Scotia, being over 80 tons and under 250 tons register tonnage, shall pay one-half the tariff rates if spoken by a pilot, and his services are not accepted, but any such vessel taking a pilot voluntarily shall pay full tariff rates.

FRED. D. CORBETT,

Secretary-Treasurer.

APPENDIX No. 31.

**REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF THE
COUNTY OF HANTS, N.S., FOR THE CALENDAR YEAR ENDED 31ST
DECEMBER, 1879.**

WINDSOR, 6th January, 1880.

SIR,—Yours of 15th December to hand, and contents noted, asking for Pilotage Returns for the District of Hants for 1879. Owing to the pilotage being made non-compulsory by an Order in Council in March last, the Pilots appointed by the Commissioners refused to act, and no other persons applying for licences, there has been nothing done over which we had any control.

Yours respectfully,

THOMAS AYLWARD.

To the Honorable
The Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 32.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
1879.

Pictou, 7th January, 1880.

SIR,—The Pilotage Authority for Pictou District have the honor to submit the
Pilotage Returns for the past year.

We have the honour to be, Sir,

Your most obedient servants,

J. K. NOONAN,	} Pilotage Authority.
A. J. PATTERSON,	
J. A. GORDON,	
JAMES D. MCGREGOR,	
J. W. GORDON,	

To WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

PILOTAGE RETURNS for the District of Pictou, N.S., for the year ending 31st
December, 1879, as required by Section 24 of Chap. 54, 36 Vict., entitled "An
Act respecting Pilotage."

LICENSED PILOTS.

Name.	Residence.	Age.
Robert Powell.....	Boat Harbour	78
A. Thos. Powell.....	do	61
James Fraser.....	do	48
Bryant Rodgers	Pictou	44
Wm. A. Cooke	do	41
Angus McDonald.....	do	40
Henry H. Powell	Boat Harbour.....	33
Chas. A. Cooke.....	Pictou....	34
Geo. W. Powell.....	Fishers Grant.....	28
Dan'l Smith	Pictou.....	28
John R. Powell	Boat Harbour.....	31
William Munro.....	Pictou.....	49
Daniel McLeod.....	do	38
Ronald McDonald.....	do	53
Allan McDonald.....	do	26

Certificated Masters and Mates :—

Amabel Bacquet, Master, steamship "Miramichi."

Mates—none.

Services for which Pilots were licensed—

To undertake the pilotage of vessels of every description within and
throughout the Pilotage District of Pictou.

The Pilotage dues for the time being in force are as follows:—

	Inwards.	Outwards.
Vessels of 80 and under 150 tons.	\$ 6 00	\$ 4 00
do 150 do 300 do	10 00	6 00
do 300 do 400 do	12 00	8 00
do 400 do 500 do	14 00	9 00
do 500 do 600 do	15 00	10 00
do 600 do 800 do	16 00	11 00
do 800 do 1,000 do	17 00	12 00

And all vessels under 80 tons 5 cents per ton inward, and 4 cents per ton outward.

All steamers to be rated at net tonnage.

All vessels bound inwards, not requiring the services of a pilot, shall pay half pilotage to any pilot offering his services.

All vessels over 150 tons, bound out, and not requiring the services of a pilot, shall pay half pilotage to the Pilot Fund.

Total amount received for pilotage dues..... \$3,995 52

Of this amount—

Received from British ships	\$3,009 02	
do Foreign do	986 50	
		<u>\$3,995 52</u>

Of this amount—

Received from sailing ships.....	1,943 52	
do steamships.....	2,052 00	
		<u>\$3,995 52</u>

Receipts and expenditures of all money received by or on behalf of the Pilotage Authority in respect of Pilots or Pilotage.

RECEIPTS.

Received from 15 pilots for annual bond....	\$ 15 00	
do Pilotage dues, as above	3,995 52	
do Balance on hand from last year.....	69 50	
		<u>\$1,080 02</u>

EXPENDITURE.

To paid Pilots balance from last year.....	\$ 69 50	
do for pilotage	3,685 52	
Printing certificates, books, &c.....	9 75	
Secretary's salary	100 00	
Commissioners attending meetings	50 00	
Balance in hand	165 25	
		<u>\$1,680 02</u>

J. K. NOONAN,	}	Pilotage Authority for Pictou District.
J. A. GORDON,		
JAMES D. MCGREGOR,		
A. J. PATTERSON,		
J. W. GORDON,		

APPENDIX No. 33.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF PUGWASH, N.S., FOR THE CALENDAR YEAR ENDING 31ST DECEMBER, 1879.

PUGWASH, 6th January, 1880.

SIR,—I beg to enclose Pilotage Returns for Pugwash Pilotage District to 31st December, 1879, which I trust may be found in order.

LICENSED PILOTS.

Name.	Age.
Norman McIver	53
John Seaman	46
Joseph O. Read.....	26

NOTE.—The license of Colin McLean. granted in 1877, was cancelled in spring of 1879 owing to incompetency.

No masters, mates, nor apprentices have been licensed for this district.

As there is no pilotage fund in this district, each pilot collecting his own pilotage, we cannot make returns of pilotage collected..

Respectfully submitted,

H. C. BLACK,

Secretary to Commissioners.

To the Minister of Marine and Fisheries,
 &c., &c., &c.,
 Ottawa.

APPENDIX No. 34.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
RICHMOND, FOR THE CALENDAR YEAR ENDED 31ST DECEMBER,
1879.

ARICHAT, 1st January, 1880.

SIR,—In compliance with the law, I have the honour to hand you annexed
Pilotage Returns for the District of the County of Richmond, for the year 1879.

I am, Sir,

Your obedient servant,

CHARLES LENOIR,

*Commissioner and Acting Secretary.*To WM. SMITH, Esq.,
Deputy Minister of Marine, &c.,
Ottawa.

PILOTAGE Returns for the County of Richmond, for the years 1878, 1879.

No.	Name.	Age.	Date of License.	For what service Licensed.
1	Murdoch Morrison.....	45	1878	Pilotage District of the County.
2	Docité Richard.....	59	1878	do do
3	Robert Richard.....	35	1878	do do
4	Peter Richard.....	37	1878	do do
5	John Godieche.....	35	1878	do do
6	Simon Boucheé.....	49	1879	do do

Amounts received by pilots, for the year 1879..... \$192 50

Paid Commissioner \$5.00 each..... 30 00

Paid the balance to pilots..... \$162 50

APPENDIX No. 35.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
SYDNEY, N.S., FOR THE CALENDAR YEAR ENDED 31st DEC., 1879.OFFICE OF THE PILOTAGE AUTHORITY OF SYDNEY,
NORTH SYDNEY, C.B., 16th January, 1880.SIR,—I beg to send you herewith Returns for the Pilotage District of Sydney
for 1879.I have been detained a few days in making the returns, in consequence of delay
in getting the necessary particulars from the outports.

I am, Sir,

Your most obedient servant,

W. PURVES,

*Secretary and Treasurer.*To WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.NAME and Age of each and every Pilot, &c., for the Ports of Sydney and
North Sydney, 1879.

No.	Name.	Age.	No.	Name.	Age.
1	James Petrie	59	15	John Caim	29
2	John Curran	52	16	Thomas Townsend	60
3	John Brown	56	17	John Brown (2nd)	29
4	David Mullins	52	18	John Mullins	29
5	Peter Madore	48	19	Syl. Shannahan	37
6	D. McGillvray	60	20	Andrew Ratchford	35
7	John Carron	54	21	John Fraser	39
8	Thomas Doyle	61	22	James McGillvray	29
9	John Petrie	49	23	George Townsend	61
10	Robt. Mullins	57	24	Angus McNeil	36
11	Cornelius Mullins	48	25	John Daly	57
12	Dun. McGillvray	51	26	Hugh McGillvray	51
13	Wm Ratchford	42	27	Jas. McGillvray	34
14	D. McGillvray	59			

For the Port of Lingan—

No.	Name.	Age.	No.	Name.	Age.
1	Thomas Laffin	60	4	Neil Robertson	27
2	Patrick Laffin	42	5	Walter Handrigan	23
3	Richard Hall	39	6	Michael Lee	45

For Little Glace Bay and Port Caledonia—

No.	Name.	Age.	No.	Name.	Age.
1	Jos. Shannahan.....	39	5	Edmund Petrie.....	39
2	Wm. Herlan.....	45	6	William McLeod.....	43
3	Edward Mahon.....	60	7	Ewen Robinson.....	29
4	Edward Petrie.....	44			

NAMES, &c., of Masters and Mates Certificated by the Pilotage Authority of Sydney for 1879.

No.	Name.	Capacity.	Name of Vessel.	Age.
1	John Angrove.....	Master.....	Steamship "George Shattuck".....	47
2	Jean DeLisle.....	do.....	do "Poline".....	40
3	Daniel Anderson.....	do.....	do "Valetta".....	42
4	D. Boudrot.....	do.....	Schooner "G. M. Maguire".....	37
5	G. Ormiston.....	do.....	do "Chas. Valentine".....	58
6	D. Hogan.....	do.....	do "Florella".....	47
7	Chas. Hackett.....	do.....	Brig "Lord Dufferin".....	37

The rates of pilotage are as follows :—

	To Sydney.	To North Sydney.
For vessels under 100 tons.....	\$ 6 00	5 00
from 100 to 150 ".....	7 00	6 00
" 150 to 200 ".....	8 00	7 00
" 200 to 250 ".....	9 00	8 00
" 250 to 300 ".....	10 00	9 00
" 300 to 350 ".....	11 00	10 00
" 350 to 400 ".....	12 00	11 00

and for every additional 50 tons or fractional part thereof \$1. Outward pilotage shall be the same as inward. Vessels upon being hailed by a licensed pilot outside the limits of the port for which he is licensed, and refusing to, or not taking such pilot, shall pay half pilotage inward, and upon being offered the services of a licensed pilot within twenty-four hours before being ready for sea and refusing the services of such pilot shall be liable to half pilotage rates outward. Should the services of a pilot so offering be accepted by the master and afterwards declined, then the vessel shall be liable for full rates, and any pilot placed in charge of a vessel by the master shall be entitled to receive in addition to full pilotage rates the sum of two dollars per diem for each day the vessel may be detained while he is waiting on her, through stress of weather or otherwise. Vessels changing ports in this pilotage district shall only be liable for inward pilotage at the port of arrival, unless a pilot be employed in changing ports, in which case full tariff rates will be charged. Pilots delivering orders outside of port limits, to vessels to proceed elsewhere, shall be entitled to receive full inward and one-half of the outward pilotage from such vessels, and, if in any case, another regular pilot belonging to the same port be found in charge the amount of pilotage collected shall be equally divided between the pilot in charge and the pilot delivering orders. Vessels arriving from sea without being spoken in-

wards by a pilot shall be exempt from outward pilotage unless a pilot be employed. The rates of pilotage for Lingan, Little Glace Bay, and Port Caledonia shall be the same as North Sydney.

The total number of arrivals at the Port of Sydney, in 1879, paying pilotage, was 22, consisting of:—

	Tonnage.
7 Steamers, British.....	4,296
6 do Foreign.....	8,000
9 Sailing vessels, British.....	1,886
Total tonnage.....	14,182

The amount of pilotage collected at Sydney was :—

From British vessels.....	\$299
From Foreign do	196
Total.....	\$495

The total number of arrivals at the Port of North Sydney, paying pilotage, was 417, consisting of:—

	Tonnage.
65 Steamers, British.....	58,983
1 do Foreign.....	381
294 Sailing vessels, British.....	70,589
57 do Foreign.....	24,698
Total tonnage.....	154,651

The amount of pilotage collected at North Sydney was :—

From British vessels.....	\$4,958
From Foreign do	1,292
Total.....	\$6,250

No arrivals at South Bar paying pilotage.

The total number of arrivals at Lingan was :—

25 Sailing vessels, British.....	Tonnage, 4,110
and pilotage collected	
From British vessels.....	\$221

The total number of arrivals at Little Glace Bay was 51, consisting of:—

	Tonnage.
48 Sailing vessels, British.....	9,590
3 do Foreign.....	1,150
Total tonnage..	10,740

The amount of pilotage collected was :—

From British vessels.....	\$519
From Foreign do	51
Total.....	\$570

The total number of arrivals at Port Caledonia was 79, consisting of:—

	Tonnage.
73 Sailing vessels, British.....	11,364
6 do Foreign.....	1,845
Total tonnage.....	13,209

The amount of pilotage collected was :—

From British vessels.....	\$534
From Foreign do	101
Total.....	\$635

RECAPITULATION.

Ports.	Number of Vessels.	Tonnage.	Amount.
Sydney	22	14,182	\$ 495
North Sydney	417	154,615	6,250
Lingan	25	4,110	221
Little Glace Bay	51	10,740	570
Port Caledonia	79	13,209	635
Totals.....	594	196,856	\$3,171

Statement of receipts and disbursements by the Pilotage Authority of Sydney from 1st January to 31st December, 1879 :—

Received at Sydney and North Sydney :—Licenses and bonds, \$81; masters, \$100; boats, \$19.....	\$ 200 00
Received at Lingan :—Licenses and bonds, \$24; boats, \$2.....	26 00
Received at Little Glace Bay and Port Caledonia :—Licenses and bonds, \$21; boats, \$15.....	36 00
Total pilotage, as per statement.....	8,171 00
Balance from last year.....	19 48
	<u>\$8,452 48</u>

EXPENDITURE.

Commission paid 5 Collectors.....	\$ 408 55
Paid Pilots, per receipt books.....	7,762 45
Secretary and Treasurer	100 00
5 Commissioners, \$30 each.....	150 00
North Sydney <i>Herald</i> , printing.....	26 00
Forbes & Co., printing.....	12 60
	<u>\$8,459 60</u>
Over-expenditure	\$7 12

WM. PURVES,

Secretary and Treasurer.

NORTH SYDNEY, C.B., 2nd January, 1880.

APPENDIX No. 36.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
WALLACE, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER,
1879.

WALLACE, 6th February, 1880.

SIR,—I have to acknowledge receipt of your letter, dated 15th December, 1879, calling the attention of Pilotage Authority of this port to that portion of the Act requiring certain returns to be transmitted to the Minister of Marine and Fisheries. In reply I beg leave to state, in the preparation of the by-laws by the Pilotage Authority for this port, the manuscript was returned to the Authority at two different times for alteration and correction. This caused so much delay, the by-laws and other arrangements have not been perfected. As the season of navigation is closed there has been no pilots appointed, but will be in time for opening of navigation; consequently, we have nothing to report.

I am, your most obedient servant,

WILLIAM SCOTT,

Chairman, Pilotage Authority for the District of Wallace, N.S.

To Wm. SMITH, Esq.,
Deputy Minister of Marine, &c.
Ottawa.

APPENDIX No. 37.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
CRAPAUD, P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER,
1879.

CRAPAUD, P.E.I., 2nd January, 1880.

SIR,—I have the honor to transmit this the first annual report for the Pilotage District, Port of Crapaud, in accordance with the provisions of the Act 36 Vic., chap. 54, sec. 24, for the year ending 31st December, 1879.

There is only one pilot for this port. He has performed the services required him satisfactorily; has a good and sufficient boat, in accordance with the Act.

Name, Peter Stewart; age, 43.

The service for which the pilot is licensed is the Pilotage District, Port of Crapaud, and no other.

Pilotage dues the same as approved by Order in Council, 28th January, 1879, and amendments approved 29th October, 1879.

No money received by Pilotage Authority, all money being paid to the pilot in person, and the dues collected are as follows:—

1 steamer.....	\$13 00
Steam tug and dredge "Prince Edward" and scows, in and out.....	8 60
1 steam tug	5 00
2 barques	39 00
4 brigs	60 00
1 brigantine	13 00
15 schooners	75 00
Total	\$213 60

I am, yours respectfully,

WESLEY MYERS,

Secretary, Pilotage Authority.

To the Honourable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 38.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
PRINCE COUNTY, P.E.I., FOR THE CALENDAR YEAR ENDED 31ST
DECEMBER, 1879.

CASCUMPEC, 8th January, 1880.

Names.	Age.	Service.	Amount Received.	
			British.	Foreign.
			\$	cts.
Robert Wells.....	55	General service in district.....		
George Wells.....	48	do	39	00
John McIntyre.....	52	do	12	00
John Champion.....	33	do	115	50
William Skerry.....	38	do		
Peter Gallant.....	34	do	46	20
William Champion.....	32	do	36	30
			249	00

JAMES WHITE,
WILLIAM P. REID, } *Commissioners.*
PETER GAVIN,

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 39.

RETURN OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
BRITISH COLUMBIA, FOR THE CALENDAR YEAR ENDING 31st
DECEMBER, 1879.

VICTORIA, B.C., 7th January, 1880.

SIR,—I am instructed by the Commissioners to acknowledge receipt of your letter of the 15th December, and to inform you that the Returns for the "General District," made up to 30th June, were mailed on the 12th ult.

I have now the honour to enclose the Returns (under Sec. 24, Act 36 Vic.) for this district, made up to the 31st December, and to respectfully request that the receipt of both may be acknowledged.

I have the honour to be, Sir,

Your obedient servant,

EDGAR CROW BAKER,

Secretary.

W. M. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURNS by the British Columbian Pilotage Authority from 1st January to 30th June, 1879. (*Vide Act 36 Vic., c. 54, pp. 212, Sec. 24.*)

LICENSED PILOTS.

No.	Date of Issue.	Seniority.	Name.	Age.	Remarks.
1	April 1, 1877	Aug. 10, 1870	John Sabiston	50	Nanaimo District.
2	do 1, 1877	Jan. 9, 1873	James McIntosh....	51	Victoria do
3	do 1, 1877	June 9, 1873	James Ramsay	49	Burrard Inlet.
4	do 1, 1877	Dec. 10, 1874	Frederick Revely	41	Since resigned.
5	March 29, 1877	March 8, 1876	George Rudlin	44	Commanding "Maude."
6	do 29, 1877	do 8, 1876	William Scott.....	40	Victoria District.
7	April 1, 1877	June 13, 1876	John Ramsay.....	42	Since dismissed.
8	do 1, 1877	July 7, 1876	James Christensen	39	Burrard Islet.
9	June 21, 1877	June 21, 1877	William Ettershank.....	37	do
10	March 4, 1878	March 4, 1878	Robert Hicks.....	49	Victoria District.
11	June 8, 1878	June 8, 1878	Peter Holmes.....	59	Unemployed.
12	Dec. 4, 1878	Dec. 4, 1878	John Thompson.....	30	do
13	Feb. 5, 1879	Feb. 5, 1879	George G. King.....	29	Left the Province.
14	do 5, 1879	do 5, 1879	Donald Urquhart.....	32	Nanaimo District.

REMARKS.

No apprentices employed up to 30th June, 1879.

Messrs. Charles E. Clarke, Mate, Mercantile Marine; John Jacques, 2nd Mate; Harry Magor, 2nd Mate; applied to become apprentices upon condition of becoming pilots at expiration of specific periods. These applications were not entertained owing to change in system.

No acting pilots, except Peter Holmes, disqualified by age.

No persons acting under the Pilotage Authority without license or authority.

Messrs. Alexander McLeod McDonald, James Ogilvie, George Marchant and John Sabiston, jun., applied to become British Columbia pilots, but, owing to the list being complete, were not examined.

The following persons, although not on the list, passed as pilots under the old system, and are employed as follows:—

William McCulloch, commanding steamer "Otter."

Thomas Pamphlet, commanding schooner "Bonanza."

Alexander McKinnon, in charge of Behring Island Lighthouse.

For list of certificated Masters and Mates—See Return No. 3.

RETURNS to 30th June, 1879—Section XXIV., Clause 2.—No. 2.

No.	Seniority.	Name.	Age.	Service.
1	Aug. 10, 1870	John Sabiston	50	From the shores of Washington Territory to the northern boundary of the province, which includes the harbours of Victoria, Esquimalt, Burrard Inlet, Nanaimo, Baynes Sound (Port Augusta) and Corsichan (as also the navigable waters between the same), Fraser and Skeena Rivers, the Straits of Juan de Fuca, Haro and Rosairo.
2	Jan. 9, 1873	James McIntosh	51	
3	June 9, 1873	James Ramsey	49	
4	Dec. 10, 1874	Frederick Revely	41	
5	March 8, 1876	George Rudlin	44	
6	do 8, 1876	William Scott	40	
7	June 13, 1876	John Ramsay	42	
8	July 7, 1876	James Christensen	39	
9	June 21, 1877	William Ettershank	37	
10	March 4, 1879	Robert Hicks	49	
11	June 8, 1878	Peter Holmes	59	
12	Dec. 4, 1878	John Thompson	30	
13	Feb. 5, 1879	George G. King	29	
14	do 5, 1879	Donald Urquhart	32	

REMARKS.

The service for which every Pilot is licensed by the British Columbia Pilotage Authority is the entire district, with its harbours and rivers, from Cape Flattery to the mouth of the Skeena River, but is more generally understood to mean from Royal Roads (which is free to all) to the harbours for loading coal, lumber, &c., viz., Nanaimo and Burrard Inlet, through the accepted navigable channels, a pilotage distance of some 85 miles; also Fraser River to New Westminster, Victoria and Esquimalt harbours, the latter being now free to vessels seeking either charter or shelter, provided they do not discharge or receive cargo (Feb., 1878, O.C.) Pilots on board 'Carolina' cruise off Albert Head, William's Head and Race Rocks.

RETURN No. 3.—List of Certificated Masters.

No.	Name.	Date.	Vessel.	Rank.	Limits.
1877.					
1	McCulloch, William.	Mch. 28...	Otter	Master...	Entire District.
2	Lewis, Herbert G. ...	do 29...	Enterprise	do ...	do
3	Rudlin, George	do 29...	Maude	do ...	dj
4	Smith, Henry	do 29...	Etta White	do ...	do
5	Morrison, Daniel	do 29...	Isabel	do ...	do
6	Holmes, Peter	do 30...	Cariboo Fly	do ...	do
7	Hayes, John	do 30...	Grappler	do ...	do
8	Clancey, Chas. E.	do 30...	North Pacific	do ...	Puget Sound to Victoria.
9	Pamphlet, Thomas	May 22 ..	Bonanza	do ...	Lower District.
10	Irving, John	do 28...	Reliance	do ...	Fraser River to Victoria.
11	Luckey, George	July 3...	Black Diamond	Mate	Nanaimo to Victoria, &c.
12	Gardiner, Jas. A.	Aug. 8...	Pilot	Master...	Nanaimo and Puget Sound.
13	Warren, Jno. D.	Oct. 15...	Beaver	do ...	Nanaimo, Burrard Inlet and Victoria.
1878.					
14	Marchant, Geo.	April 2...	Black Diamond	Mate	Lower District.
15	Stothard, Thos.	July 19...	Olympia	Master...	Victoria, Esquimalt and P. Sound
16	Ramsey, James	Aug. 22...	Wilson G. Hunt	do ...	Entire District.
17	Urquhart, Donald	Dec. 7...	Alexander	do ...	All, except rivers.
1879.					
18	Meyer, William	Feb. 25...	Grappler	do ...	As per Order in Council.
19	McAllister, John	Mch. 3...	Alexander	do ...	Usual tow-boat waters.
20	Clements, William	April 22...	Pilot	do ...	do do

REMARKS.

The steamer "Olympia" has been purchased by the Hudson Bay Company and the name changed to that of "Princess Louise"; Captain McCulloch has been transferred from "Otter" to "Enterprise"; Captain Lewis has been transferred from "Enterprise" to "Princess Louise"; steamers "Otter" and "Princess Louise" run between Victoria and Fort Wrangel during the summer months, and one of them takes the place of the "Enterprise" generally during winter; Captain Rudlin commands "Cariboo Fly" in summer and "Maude" in winter; Captain Morrison commands "Isabel," carrying Puget Sound mail; Captain Holmes has retired from active service as a pilot; Captain Hayes left "Grappler," and died on board another steamer; steamer "North Pacific" has been employed solely on Puget Sound—the certificate of Captain Clancey, therefore, is null and void; Captain Irving has assumed the command of steamer "Wilson G. Hunt"; the schooner "Black Diamond" is run in connection with steamer "Emma," and is commanded by Messrs. Luckey and Marchant as the owners (Messrs. Engelhardt & Co.) may deem necessary or expedient; Captain Gardiner has been transferred from the "Pilot" to "Otter"; the certificate of Captain Stothard lapsed on sale of the "Olympia"; Captain James Ramsey is now employed as a Burrard Inlet pilot; Captain Donald Urquhart is also employed as a Burrard Inlet pilot; Captain Clements now commands the steamer "Pilot"; Captain McAlister now commands the steamer "Alexander."

STEAMBOAT SERVICE.

"Otter" and "Princess Louise" run between Victoria and Wrangel.
 "Grappler" and "Western Slope" do do do
 "Enterprise" and "W. G. Hunt" do do New Westminster.
 "Cariboo Fly" and "Maude" do do Nanaimo, &c.
 "Isabel" and "N. Pacific" (when running) do Puget Sound.
 Steamers "Alexander," "Pilot," "Beaver" and "Etta White" are employed principally in the towing business.

LIST of Exempted Vessels.

No.	Name of Vessel.	Rig.	Master.	Ton- nage.	Service.
1	Otter	Steamer	William McCulloch	217	Victoria to Fort Simpson.
2	Enterprise	do	James A. Gardiner	442	do New Westminster
3	Maude	do	George Rudlin	158	East Coast, Nanaimo.
4	Etta White	do	Henry Smith	97	Jervis Inlet and towage.
5	Isabel	do	Daniel Morrison	317	Victoria to Puget Sound.
6	Cariboo Fly	do	George Rudlin	138	East Coast, Nanaimo.
7	Grappler	do	William Meyer	128	Victoria to Wrangel and Sitka
8	North Pacific	do	Charles Clancey	488	Victoria to Puget Sound.
9	Bonanza	Schooner	Thomas Pamphlet	98	British Columbia waters.
10	Wilson G. Hunt	do	John Irving	172	Victoria to New Westminster.
11	Black Diamond	Schooner	George Marchant	81	British Columbia waters.
12	Pilot	Steamer	William Clements	183	General towage.
13	Beaver	do	John D. Warren	109	do
14	Alexander	do	John McAlister	331	do
15	Olympia	do	Thomas Stothard	498	Victoria to Wrangel.
16	Western Slope	do	William Meyer	250	do do
17	Princess Louise	do	Herbert G. Lewis	498	do do

REMARKS.

All the foregoing steamers pay \$100 per annum, and schooners \$30 per annum, when commanded by masters holding certificates from the Pilotage Authority under section 3 of the by-laws, which exempt said vessels from the compulsory payment of ordinary pilotage dues, as shewn in Return 5, page 8, and following pages.

The certificates above referred to have since been cancelled under the "Act 40 Vic., cap. 20, page 139, clause 3"—a compromise effected with the owners, and a refund made with the consent of the British Columbia pilots—as will be seen in the appendices of these returns.

RETURN No. 4.—Pilotage Dues for the time being in force.

Inside or north of Race Rocks to Royal Bay.....	\$0 75	per foot.
From Beechy Head to Royal Bay.....	1 00	do
From Callum Bay to do	2 00	do
From Cape Flattery to do	3 00	do
Esquimalt Harbour, under sail	3 00	do
do under steam	2 25	do
Victoria Harbour, under 10 ft. draught, under sail	3 00	do
do over 10 ft. do do	4 00	do
do under 10 ft. do under steam ...	2 25	do
do over 10 ft. do do ...	3 00	do
Nanaimo Harbour, the same rates as Victoria Harbour.		
Departure Bay, do do do		
Burrard Inlet, do do do		
Baynes Sound, do do do		
New Westminster, subject to agreement, not exceeding \$6 per foot. Sailing vessels from Royal Roads to Nanaimo, Burrard Inlet, Sand Heads of Fraser River or Baynes Sound, or vice versa, \$3 per foot.		
Vessels in tow of a steamer the same as vessels under steam, with an additional \$10 for every 24 hours or fraction of the same.		
Vessels from Victoria to Esquimalt, or vice versa.....	\$1 50	per foot.
do Nanaimo to Departure Bay, do	1 50	do
Removal of a vessel in any harbour, a specific charge of \$10.		
Pacific Mail steamers "Dakota" and "City of Chester," as also steamer "California," pay for the round trip as one voyage, irrespective of their touching at American ports, the maximum of \$5.00 in and \$6.00 out, per foot.		

RETURN No. 5, under Clause 4, Sec. 24, page 212, "Canadian Pilotage Act, 1873."

American.	British.	Canadian.	French.	Chilian and Nicaraguan.	Other Nationalities.	Special Rates.	Special Service.
\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
48 00	55 00	103 00	56 50	60 00	66 00	167 63	10 00
155 00	42 00	132 50		20 25	62 50	138 38	10 00
66 00	34 87			43 50	39 00	176 00	10 00
60 00	37 50				71 50	132 00	10 00
7 50	98 00				67 00	146 25	8 63
66 00	60 00				10 00	179 00	10 00
108 00	65 50				37 50	142 87	10 00
18 00	30 00				67 50	132 00	42 00
36 00	76 00						10 00
117 00							10 00
42 00							20 00
69 00							30 00
30 00							10 00
103 00							10 00
109 00							10 00
42 00							10 00
63 00							10 00
18 00							20 00
93 60							48 00
5 25							10 00
60 00							20 00
91 00							10 00
28 00							10 00
33 00							10 00
60 00							10 00
20 25							18 00
39 00							20 00
49 50							10 00
69 00							10 00
155 00	42 00		108 00			176 00	20 00
14 75	50 50					141 75	10 00
131 00	10 00					176 00	10 00
63 00	40 50					132 00	10 00
116 50	54 00					142 87	20 00
71 50	88 63					176 00	20 00
68 50	71 50					132 00	10 00
155 00	18 75					138 38	10 00
102 50	73 00					179 00	10 00
39 00	54 00					139 50	20 00
63 00	39 00						10 00
127 00							10 00
102 50							20 00
65 25							18 75
55 13							10 00
9 75							10 00
52 00							20 00
115 00							9 75
61 00							10 00
156 50							10 00
10 00							10 00
39 00							10 00
81 00							10 00
40 50							20 00
52 00							10 00
39 00							10 00
39 00							10 00
66 00							10 00
64 50							10 00
63 00							20 00
69 00							10 12

RETURN No. 5, under Clause 4, Sec. 24, page 212, &c.—Continued.

American.	British.	Canadian.	French.	Chilian and Nicaraguan.	Other Nationalities.	Special Rates.	Special Service.
\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
100 00							20 00
127 25							10 00
49 50	52 50				39 00	185 00	
30 00	48 75					140 62	
30 00	10 12					132 00	
33 00	45 45					154 25	
39 00						75 00	
40 00						140 61	
56 50							
36 00							
30 00							
30 00							
69 00							
66 00							
36 00							
4,764 63	1,197 57	235 50	164 50	123 75	460 00	3,575 11	855 25

RECAPITULATION.

American Vessels.....	\$ cts.	4,764 63
British do		1,197 57
Canadian do		235 50
French do		164 50
Chilian and Nicaraguan.....		123 75
Other Nationalities.....		460 00
Special Rates.....		3,575 11
		10,521 06
Less—Refunds.....		107 78
Net Receipts.....		10,413 28
<i>Apportionment of Dues.</i>		
Paid to British Columbian Pilots.....		9,173 29
Paid into Funds of Pilot Commissioners.....		1,239 99
Vide Revenue and Expenditure Sheet.....		10,413 28

SPECIAL RATES.

These are for vessels coming under Clause F, Section 12, of By-Laws, *i.e.*, in cases where the dues would otherwise exceed \$6 per foot in and out, but apply more particularly to the Pacific Mail steamers "Dakota," "Panama," "Chester," and O. N. Co.'s steamer "California"—all of them American vessels.

SPECIAL SERVICES.

The dues shown as collected under this heading, denote that they are included in the actual dues collected and expressed in the columns denoting

their nationality, the total for this service being \$855 25, is, in fact, gulf pilotage of vessels in transit from Royal Roads or Race Rocks, &c., to Nanaimo, Burrard Inlet, Baynes Sound, &c., and *vice versa*; it also includes the services rendered to vessels in the gulf under sail to the various ports, and the amount of remuneration paid to pilots for the removal of vessels within the limits of a port.

EARNINGS OF B. C. PILOTS.

Gross amount at credit of B. C. pilots' joint account.....			\$9,173	29
Less maintenance of Schooner "Carolena," at March 31	\$498	89		
do Sloop "W. A. G. Young," do	223	63		
do Sloop "Keturah," do	20	85		
do Lighthouse, Island Station, do	417	06		
Extra boat hire, <i>re</i> mail steamers, do	48	00		
Travelling expenses between ports, do	191	10		
Miscellaneous expenses and increase of plant, June 30.....	411	25		
Interest on investment, \$4,000 at 10 per cent., do	200	00		
Pilots' expenses (inclusive of travelling), do	967	03		
			2,977	81
Net earnings of ten pilots	\$6,195	48		

REMARKS.—From the foregoing figures it would appear that ten pilots would average \$619.55 for the six months ending 30th June, or about \$103.26 per month each, but inasmuch as Mr. John Sabiston has only been employed as a harbour pilot for Nanaimo on half the remuneration of the "General Service Pilots," and Peter Holmes as harbour pilot for Burrard Inlet on \$75 per month, the average just quoted will hardly represent the exact state of affairs. Taking nine pilots as the general number, they have each earned \$688.39 for the half-year, or about \$114.73 per man per month.

TRIAL BALANCE, JUNE 30, 1879.

	DR.	CR.
To Pilotage dues collected.....	\$10,413	28
License fees do	150	00
Certificate fees do	757	50
Examination fees collected	120	00
Interest accrued on deposits	69	28
	\$11,510	06
By British Columbia pilots.....	\$ 9,173	29
Revenue services (commission on collections).....	139	11
Expenditure (as per Return appended)	1,685	07
Balance to credit of pilotage authority*.....	512	59
	\$11,510	06
British Columbia Pilot Fund:—		
In Dominion Savings Bank, 31st Dec., 1878	\$2,908	51
Accrued Interest.....	87	16
June 30, 1879.....	2,995	67
*Balance now deposited.....	512	59
Apportioned 12th August	3,509	26

MATTERS *re* SALE OF PILOT BOATS.

Owing to the abridgement of jurisdiction, at the request of British Columbia Pilots, and with the sanction of the Commissioners, the general system of pilotage was brought to a close on 31st May, and the necessary steps taken to dispose of the boats and plant.

On the 4th June, a number of articles from the Nanaimo Station were brought to Victoria and sold by auction for \$81.46. This amount was divided equally among the five pilots who participated in the establishment of said station on Lighthouse Island.

On the 12th August, the Pilot Boats, &c., were sold by auction, all efforts to dispose of them privately having proved unsuccessful. The following are the sums realized—as per account sales:—

August 12th—By Schooner "Carolina".....	\$1,175 00
“ “ Sloop "W. A. G. Young".....	430 00
“ “ Sloop "Keturah".....	275 00
“ “ 1 Surf boat, 18 ft.....	40 00
“ “ 1 Double ender, 14 ft.....	40 00
“ “ 1 Gig, 14 ft.....	55 00
“ “ 1 Double ender, 16 ft.....	60 00
“ “ 1 Dingy, 12 ft.....	17 00
“ “ House on island at Nanaimo.....	45 00
“ “ Lot of old sails.....	11 00
	\$ 2,148 00
Gross proceeds.....	
August 12th—To Telegrams, &c., Puget Sound.....	\$6 35
“ “ Amount paid C. S. Wylde.....	3 00
“ “ “ Brown, <i>et al</i>	1 50
“ “ “ Clifford.....	25 00
“ “ 4 Men shifting boats.....	10 00
“ “ Peter Holmes, storage.....	6 00
“ “ Clifford, for labor.....	1 00
“ “ Auctioneer's Commission, &c.....	214 80
	267 65
Net proceeds of sale.....	
	\$1,880 35

This amount, \$1,880.35, was divided among the six pilots (who remained of the original eight) who were partners in said vessels and plant, each receiving \$313.39 in part payment of money invested in pilotage plant, amounting in the aggregate to about \$4,000; so that the loss occasioned by the change of system would be about \$2,200, less the sum of \$14.40 (divided as aforesaid) for a compass and barometer, also sold by auction on the 28th August and 18th September.

Apportionment of British Columbia Pilot Fund and matters in connection.

Acting under the authority of a letter dated 30th June, 1879, from the Hon. Minister of Marine and Fisheries, and the pilots having petitioned for a distribution of the British Columbia Pilot Fund in the terms following: The Commissioners deemed it advisable to divide said fund in a manner satisfactory to the existing pilots, and at the same time having due regard to the 12th sub-section of Section 18 of Pilotage Acts:—

Copy of Petition from British Columbia Pilots.

VICTORIA, B.C., 21st July, 1879.

GENTLEMEN,—In regard to eleven hundred dollars drawn from the Pilot Fund to pay for two shares in the Pilot Boats and Stock, caused by two pilots leaving the

service, we, the undersigned, fully endorse the action you took to settle the same amicably and to the satisfaction of all parties concerned.

We also wish to draw your attention to the fact that you must be aware that when the pilot boats are sold they will not fetch the price that they have been held at, viz.:—five hundred and odd dollars a share, consisting of six shares, formerly eight, the Messrs. Ramseys leaving the service, reduced it to the now six.

As the Messrs Ramseys were paid in full the money they invested, we think it only fair, that what the boats fall short in the full investment, the same shall be made up to us out of the Pilot Fund as done to the others.

(Signed)	JAMES McINTOSH,
"	WILLIAM ETTERSHPANK,
"	JAMES CHRISTENSEN,
"	ROBERT HICKS,
"	WILLIAM SCOTT,
"	JOHN SABISTON.

To the British Columbia Pilot Commissioners,
Victoria, B.C.

Statement and Agreement in re Apportionment.

We, the undersigned pilots (past and present), do fully endorse the action taken by the Pilot Commissioners in passing the following resolutions on our behalf, and by these presents do bind ourselves to abide by the same and release said Commissioners from all further liability.

1. That the British Columbia Pilot Fund shall stand the loss of the sum of \$1,134.82, being the amount paid to pilots James Ramsey and John Ramsey for their quarter interest.

2. That the proceeds of the "sale" shall be divided equally among the six existing pilots in part payment of their interests.

3. That the British Columbia Pilot Fund as follows:—

To 31st December, 1878.....	\$2,908 51
Less loss, as per section 1.....	1,134 82
	<hr/>
As per savings bank book	\$1,773 69
Interest accrued	87 17
	<hr/>
In hand	\$1,860 86
Deposited 30th June, 1879.....	512 59
	<hr/>
	\$2,373 45
Less steamer refunds	1,100 00
	<hr/>
	\$1,273 45
Less allowance to existing pilots	819 65
	<hr/>
	\$453 80
‡ of boat sold, proportion to three pilots.....	20 25
	<hr/>
Divisible generally	\$433 55
	<hr/>

be apportioned as hereinafter mentioned.

(a) In paying such sum as the pilots shall vote for the just and equitable apportionment of fund.

(b) In settling the claims made by owners of coast steamers for rebate of license fees amounting in the aggregate to \$1,100 (eleven hundred dollars).

- (c) In making up to each of the six pilots the sum of \$450, as the appraised value of their individual interest in the boats and plant, that is to say, should the sale realize only \$300 per man then \$150 is to be paid to each of the six pilots before a general division takes place.
- (d) That as soon as the existing pilots have been reimbursed for loss occasioned by sale of plant as aforesaid, and the sum of \$512.59 has been paid into said fund as having accrued this year, the balance of \$433.55 (i.e. \$453.80, less \$20.25) shall be divided *pro rata* among all pilots and persons who contributed to said fund according to the number of months each and every pilot or person was employed in the pilot service.

We do not desire to join in a joint pilot fund with any other pilotage district, but wish most emphatically for the whole business under the general system to be wound up.

(Signed)

JOHN SABISTON,
 JAMES McINTOSH,
 ROBERT HICKS,
 WILLIAM ETTERS HANK,
 WILLIAM SCOTT,
 DONALD URQUHART,
 JOHN THOMPSON,
 GEORGE G. KING,
 JAMES RAMSEY,
 JOHN RAMSAY,
 JAMES CHRISTENSEN.

Witness to all signatures,

EDGAR CROW BAKER, *Secretary.*

VICTORIA, B.C., 13th August, 1879.

APPORTIONMENT to Participators in General Division, British Columbia Pilot Fund.

Name.	Period.	No. of Months.	Amount.
John Sabiston	From 17th March, 1877, to 30th June, 1879	27	\$ 57 95
James McIntosh	do do do	27	57 95
James Ramsey	From 17th March, 1877, to 2nd August, 1878	16	34 34
Frederick Revely	do do to 21st Nov., 1877	8	17 17
William Scott	From 15th October, 1877, to 30th June, 1879	21	45 07
John Ramsay	From 17th March, 1877, to 4th February, 1879	22	47 22
James Christensen	do do to 30th June, 1879	27	57 95
Alexander McKinnon	From 21st June, 1877, to 11th October, 1877	4	8 50
William Ettershank	do do to 30th June, 1879	24	51 51
Robert Hicks	From 4th March, 1878, to 30th June, 1879	15	32 20
Donald Urquhart	From 5th February, 1879, to 30th June, 1879	4	8 58
George G. King	do do do	4	8 58
John Thompson	From 13th March, 1879, to 30th June, 1879	3	6 44
Totals		202	433 55

All the foregoing Pilots have been settled with in keeping with the sums set opposite their respective names, and their receipts taken "in settlement of all claims against the Pilotage Authority, to 30th June, 1879."

Memorandum re Investment Account.

Original cost of Schooner "Carolena," i.e. $\frac{1}{8}$ share.....		\$206	25
" Sloop "W. A. G. Young" "		62	50
" Sloop "Keturah" "		53	12
Improvements to "Carolena," since "		98	77
" "W. A. G. Young," since "		11	96
		<hr/>	
To 30th September, 1877		\$432	60
Purchase of small sailboat.....	\$100 00 i.e. $\frac{1}{8}$ share.....	12	50
" Chain cable, account... 102 80	"	12	85
" New sails "Carolena". 187 42	"	23	43
" Compass, oars and stove 58 05	"	7	26
		<hr/>	
To 1st January, 1878.....		\$488	64
Purchase account—Pillow-slips, sheets, etc.....	\$18 35		
" Sail and mast for big boat.....	10 00		
" Cooking utensils	7 50		
" Iron-work and stove gear	20 00		
" No. 2 boat at Nanaimo	70 00		
" P. Casterhout, tools account.....	8 75		
" Vancouver Coal Co., Metal	8 68		
" John Hurst, blankets	10 00		
" "Keturah," small anchor.....	6 87		
		<hr/>	
One-eighth of this amount.....	\$160 15=	20	02
		<hr/>	
To 30th June, 1878.....		\$508	66
One-seventh proportion of Light House Is. Station, Nanaimo....		58	75
		<hr/>	
Total value, $\frac{1}{8}$ Investment account.....		\$567	41
Deduct for depreciation \$488.66, 2 years at 1 per cent.....		117	41
		<hr/>	
Present value of $\frac{1}{8}$ share		\$450	00
		<hr/>	

Each of six pilots was entitled to \$450 as the value of his one-eighth interest in the boats and plant; of this amount the proceeds of sale yielded \$313 39, and \$136 61 was made up each man out of the Pilot Fund, before a general division (as explained) took place.

MEMORANDUM OF BALANCES PAID TO BRITISH COLUMBIA PILOTS—IN SETTLEMENT
TO 30TH JUNE, 1879.

Name.	Proceeds of Sale.		Pilot Fund.		Earnings, 30th June.		Total.
	\$	cts.	\$	cts.	\$	cts.	\$
John Sabiston.....	313	39	136	51	57 95 * at 31st May.	*81 27	507 95
James McIntosh.....	313	39	136	51	57 95 * 30th June	*328 16	507 95
James Ramsey.....					34 34		34 34
Frederick Revely.....					17 17		17 17
William Scott.....	313	39	136	51	45 07 * 31st May.	*172 77	495 07
John Ramsey.....					47 22		47 22
James Christensen.....	313	39	136	51	57 95 * 30th June	*95 38	507 95
Alexander McKinnon.....					8 59		8 59
William Ettershank.....	313	39	136	51	51 51 * 30th June	*58 38	501 51
Robert Hicks.....	313	39	136	51	32 20 * 31st May.	*172 77	482 20
Donald Urquhart.....					8 58 * 30th June	*99 90	8 58
George G. King.....					8 58 * 31st May..	*172 77	8 58
John Thompson.....					6 44 * 31st May.	*172 77	6 44

on to settlement in total column.

AUDIT CERTIFICATE.

VICTORIA, B.C., 9th December, 1879.

I certify that I have examined the Cash Accounts, Books, Vouchers, and matters in connection with these returns, belonging to the Pilotage Authority for this District, kept by, and in charge of, Mr. Edgar Crow Baker, Secretary-Treasurer, and find them in perfect order; and that the results are as shown in the returns appended.

COOTE M. CHAMBERS,

Auditor and Accountant of the Dominion Savings Bank.

We, the undersigned Commissioners, do sanction and confirm the matter contained in these returns, and do hereby certify that the British Columbia Pilot Fund has been apportioned in manner described, and settlement made to 30th June.

R. FINLAYSON, *Chairman,*
N. W. CLARKE,
COOTE M. CHAMBERS,
JOHN DEVEREUX, } *Commissioners.*

RETURNS by the Victoria-Esquimalt Pilotage Authority, from 1st July, 1879, to 31st December, 1879.

LICENSED PILOTS.

Number of License.	Date of Issue.	Name of Pilot.	Seniority as Pilot.	Age	Remarks.
1	1st Aug., 1879 ...	James McIntosh..	9th Jan., 1873....	51	Temporary licences, pending revision of by-laws for district.
2	1st Aug., 1879....	William Scott.....	8th March, 1876..	40	
3	1st Aug., 1879....	Robert Hicks.....	4th March, 1878..	49	

Messrs. Sabiston and Urquhart are now employed as Nanaimo pilots.

Messrs. Christensen, Ramsey and Ettershank are now employed as Burrard Inlet pilots.

Messrs. Holmes, King and Thompson are unemployed.

LIST of Certificated Masters and Mates.

No.	Name.	Date.	Vessel.	Limits.
1	Lewis, Herbert G.....	29th March, 1877	Princess Louise	Victoria to Wrangel.
2	Morrison, Daniel.....	29th March, 1877	Isabel.....	do Puget Sound.
3	Meyer, William.....	25th Feb., 1879....	Western Slope.....	do Wrangel.
4	Pamphlet, Thos.....	22nd May, 1877....	Bonanza.....	do Nanaimo, &c.
5	Marchant, Geo.....	2nd April, 1878..	Black Diamond.....	do do

Clause I.—No acting pilots or apprentices employed in this district.

Clause II.—The service for which every pilot is licensed is from the shores of Washington Territory to the northern boundary of the province, less such exclusions as are contained in the Order in Council dated 15th April, 1879, forming separate pilotage districts (1) for the Port of Nanaimo and other ports in the Island of Vancouver, with the exception of Victoria and Esquimalt, and (2) all the ports, harbours and rivers within the limits of the electoral districts of Yale and New Westminster (*vide Canada Gazette*, vol. 12, p. 1296); practically it means Victoria and Esquimalt harbours, from Trial Island to Race Rocks, the waters of Haro and Rosario Straits, the Skeena River and approaches thereto. Masters and mates certificates are issued for the same service.

Clause III.—Pilotage dues for the time being in force are as follows:—

Inside or north of Race Rocks to Royal Bay or Roads	\$0 75	per foot.
From Beachy Head to Royal Bay.....	1 00	"
From Callum Bay to Royal Bay.....	2 00	"
From Cape Flattery to Royal Bay.....	3 00	"

(The foregoing rates are not compulsory, and apply only when service is accepted.)

Esquimalt Harbour, under sail	\$3 00	per foot.
do under steam.....	2 00	"
do services declined	1 50	"
Victoria Harbour, under sail	4 00	"
do under steam	3 00	"
do services declined	2 00	"
Esquimalt to Victoria or <i>vice versa</i>	1 50	"

Steamers and vessels in tow of a steamer, \$10 per day for gulf service.

Vessels requiring the services of a pilot for removal into harbour, \$10.

Vessels in tow pay the same as vessels under steam. No vessel to pay more than \$6 per foot on any one voyage, *i.e.* \$3 inward and \$3 outward.

LIST of Exempted Vessels.

No.	Name of Vessel.	Rig.	Master.	Tonnage.	Remarks.
1	Otter	Steamer	Jas. A. Gardiner.....	217	Victoria to Fort Simpson.
2	Enterprise	do	Wm. M. McCulloch.....	442	do New Westminster.
3	Maude	do	George Rudlin	158	do Nanaimo, &c.
4	Etta White	do	Henry Smith.....	97	do Burrard Inlet.
5	Cariboo Fly	do	George Rudlin	138	do Cornox, &c.
6	Grappler	do	William Meyer	128	do Wrangel, &c.
7	W. G. Hunt	do	John Irving	172	do New Westminster.
8	Pilot	do	William Clements	183	General towage business.
9	Beaver	do	John D. Warren	109	do do
10	Alexander	do	John McAlister	331	do do
11	Western Slope	do	William Meyer	250	Victoria to Wrangel, &c.
12	Princess Louise.....	do	Herbert G. Lewis.....	498	do do

All the foregoing vessels are exempt under the Act, 40 Vict., chap. XX. (trading from port to port in the same province, and propelled wholly by steam), but those going to American ports (Wrangel, Sitka, &c.) may, next year, have to pay a small annual sum to exempt them from pilotage dues, and place them on the same footing as:—

VESSELS exempt under By-Law, Sec. 3.

No.	Name of Vessel.	Rig.	Master.	Tonnage.	Remarks.
1	Isabel	Steamer	Daniel Morrison	317	Victoria to Puget Sound, \$100 per annum, payable in advance.
2	Bonanza	Schooner.	Thomas Pamphlet	98	Coasting trade, pays \$30 per annum, quarterly, in advance.
3	Black Diamond.....	do	George Marchant.....	81	Coal trade, \$30, as above.

CLAUSE IV., Return of Dues collected.

Month.	British.	Foreign.	Totals.	Remarks.
	\$ cts.	\$ cts.	\$ cts.	
July.....		587 10	587 10	No forfeited dues.
August.....		640 87	640 87	California, \$39.
September.....	137 25	579 75	717 00	Rover of Seas, \$18.
October.....	90 00	524 00	614 00	California, \$33.
November.....		495 00	495 00	No forfeited dues.
December.....	22 50	480 50	503 00	Empire, \$62.
Totals.....	249 75	3,307 22	3,556 97	

Special Rates.—Mail steamers "Dakota," "Alaska," and "City of Chester" pay the ordinary dues for the round trip, irrespective of their going to Puget Sound.

Special Services rendered null and void by abridgement of jurisdiction.

Earnings of Pilots :—

Amount of dues collected	\$3,556 97
Expenses duly incurred	355 70
Gross earnings.....	3,201 27
Approximate maintenance of sloop, &c.....	600 00
Total.....	2,601 27
Earnings per capita for six months.....	867 09

EDGAR CROW BAKER,

Secretary-Treasurer.

VICTORIA, B.C., 3rd January, 1880.

Audited and found correct.

COOTE. M. CHAMBERS,

Accountant Dominion Savings Bank.

RECEIPTS AND EXPENDITURES from 1st July to 31st December, 1879.—Clause IV.

Cr.

Date.	Nature of Receipt.	Items.	Amount.	Date.	Head of Service.	Items.	Amount.
1879. July 1st to Dec. 31st	To Pilotage Dues (<i>Vide</i> Return No. 4)..... Certificate Fees (<i>Vide</i> By-Law 3)..... Commission Additional (Nanaimo remittances).....	\$ cts.	\$ cts. 3,656 97 122 50 13 50	1879. July 1st to Dec. 31st do do do	By British Columbia Pilots' Joint earnings. Secretary and Treasurer, (6 months salary, &c..... Expenses of Investigations (6 months)..... Office Expenses:— Rent of office..... Gas Account (6 months)..... Colonist paper (6 months)..... Rent of Post Office Box, (6 months).. Postage Account (6 months)..... Stationery Account (6 months)..... Office cleaning (6 months).....	\$ cts. 60 00 13 45 6 50 2 50 6 75 7 25 13 00	\$ cts 3,201 27 272 25 110 00
			3,692 97				109 45 3,692 97

Approved and certified correct.

R. FINLAYSON, Chairman,
N. W. CLARKE,
JOHN DEVERAUX.
COOTE M. CHAMBERS. } *Commissioners.*

EDGAR CROW BAKER,
Secretary-Treasurer.

VICTORIA, B. C., 3rd January, 1880.

APPENDIX No. 40.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
NANAIMO, B.C., FOR THE CALENDAR YEAR ENDED 31st DECEM-
BER, 1879.

NANAIMO PILOTAGE AUTHORITY, B.C.,
9th January, 1880.

SIR,—As required by Section 24 of the Act respecting Pilotage, 36 Vict., chap.
54, I have the honour to forward Pilotage Returns as under, viz. :—

1. Name, age, service and authority of pilots.
2. Pilotage dues.
3. Receipts of dues, specifying nationalities.
4. Amounts received and expended on account of pilotage.

I have the honour to be, Sir,

Your most obedient servant,

T. ERIC PECK,

Acting Secretary.

To the Honourable
The Minister of Marine and Fisheries.

RETURN showing amount received in respect of Pilotage, \$3,757.25 and of
amount expended as under, viz. :—

Expenses of investigations	\$150 00
Stationery and postage	27 47
Furniture	72 25
Rent and office expenses	121 34
Acting Secretary and Treasurer	187 85
Earnings of Pilots	3,198 34
	3,757 25

RETURN, total amount received for Pilotage] Dues :—

From British vessels	\$ 24 00
American vessels (including special rate of \$10 per seven trips of two days each—\$140—received from the steamship "City of Chester"	3,527 75
Costa Rica vessels	39 00
Bolivian vessels	166 50
	\$3,757 25

PILOTAGE DUES.

For vessels of under 12 ft. draught, \$3 per foot.
 For vessels of over 12 ft. draught, \$4 per foot.
 For vessels in tow of a steam tug, irrespective of draught, \$3 per foot.
 For steamers, other than foreign tugs, not commanded by a pilot, three-fourths of above rates, if a pilot be employed.

GULF OF GEORGIA.

For vessels in tow of a steamer, and for steamships, Nanaimo to or from Royal Roads, \$10 per day or fraction of a day of 24 hours, exclusive of port pilotage.
 For vessels under canvas, proceeding as above, \$6 per day or fraction of a day of 24 hours, inclusive of port pilotage.

STRAITS OF JUAN DE FUCA.

By special agreement, there being no tariff.

Name of Pilot.	Age.	Service.
Sabiston, John	51	Harbour of Nanaimo.
Urquhart, Donald.....	34	Pilotage District, Nanaimo.
McIntosh, James.....	52	Gulf of Georgia.
Ettershank, W.....	38	do
Scott, William.....	41	do
Cooper, James.....	56	do
Ramsey, James	53	do

All the above-named Pilots are temporarily authorised for their respective services.

M. BATE, *Chairman.*
 T. ERIC PECK, } *Commissioners.*
 JOHN HIRST, }

APPENDIX No. 41.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF
YALE AND NEW WESTMINSTER, B.C., FOR THE CALENDAR YEAR
ENDED 31ST DECEMBER, 1879.

BURRARD INLET, B.C., 9th January, 1880.

SIR,—I have the honour to enclose herewith the Pilotage Returns for the Pilotage District of Yale and New Westminster, made up to 31st December last.

I have the honour to be, Sir,

Your obedient servant,

B. SPRINGER,

Secretary,

Wm. SMITH, Esq.,
Deputy Minister of Marine, &c., Ottawa.

LICENSED PILOTS.

No. of License.	Service.	Age.	Remarks.
1	James Ramsey	49	Resigned.
2	Frederick Revely	42	
3	Wm. Ettershank	37	Left the country.
4	J. Christensen	39	
5	James Cooper	52	

All the above-named Pilots are licensed to pilot vessels of every description within the limits of said district.

Pilotage dues received as follows:—

From British vessels, inward	\$355 50
do do outward.....	368 00
	<u>\$ 703 50</u>

From Foreign vessels, inward.....	\$315 00
do do outward.....	627 50
	<u>\$ 942 50</u>

Total.....	<u>\$1,646 00</u>
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RECEIPTS and Expenditures of all moneys received by or on behalf of the Pilotage
 Authority in respect of Pilots or Pilotage—May to 31st December, 1879.

RECEIPTS.

To Pilotage dues.....	\$1,646 00
License fees.....	70 00
	—————\$1,716 00

EXPENDITURE.

By Paid Pilots as per receipts.....	\$1,458 45
do Commissioners expenses attending meetings.....	3 50
do Expenses collecting.....	3 50
do Printing and stationery.....	57 75
do Secretary's salary.....	187 50
Cash on hand	5 30
	—————\$1,716 00

BURRARD INLET, B.C., 31st Dec., 1879.

J. A. RAYMOND,
Chairman.

A. SPRINGER,
Secretary.

APPENDIX No. 42.

REPORT OF THE MONTREAL WATER POLICE FOR THE FISCAL YEAR
ENDED 30TH JUNE, 1879.

MONTREAL, October, 1879.

SIR,—I have the honor to submit for the information of the Department, a return showing the number of persons that have been arrested, protected, etc., by the Montreal Government Harbour Police for the fiscal year ended the 30th June, 1879.

On the 1st May, 1878, the number of constables authorized—nineteen—were sworn in, making the total number of the force the same as last year, viz: one Chief Constable, four sergeants, and nineteen constables, and so remained constituted to the end of the year.

The number of persons arrested during the above period was 259, and 98 were afforded protection, making a total of 357 individuals. This is an advance on both items over last year. The ratio of arrests, however, is not out of proportion when the increased tonnage is considered, while the depression in trade, causing a scarcity in demand for the usual employment, accounts for the other.

The number of persons drowned was 21, the rescued 20.

The Department has made every provision for affording assistance to those falling into the water, and for the recovery of the sunken bodies of the lost.

Suggestions will be submitted for some alterations in the Act of Parliament under which the Harbour Police is organized, and for the more fully defining their powers and duties.

A large portion of the shipping has latterly been berthed from "Hochelaga Wharf" upwards, marked on the "Plan of the Wharves of the Harbour of Montreal" as sections 38 to 30 inclusive. These wharves, recently perfected, are so situated at the extreme end of "the rounds" as to make it impossible to give the protection called for and needed, with the present number of men.

Frequent raids are made upon the cargoes landed, and upon the seamen of the vessels at these sections, by gangs of persons who are said to be regularly organized who come from the suburbs over-lying the Government property. Captains of vessels and others interested (as well as the Press), calling for protection in return for the payment of the tax, are loud in their denunciation, but while the odium is allowed to rest upon the Force, it is but justice to say it is neither want of endeavour nor inclination on their part, but their weakness in number. The distance to be patrolled is fully three miles, not including the projection of wharves.

It is a matter for consideration whether all vessels should not be compelled to contribute to the Police Fund; they all benefit by it, and claim as a right what is given as a privilege when not otherwise occupied.

It is impossible to make any discrimination between vessels that pay and do not pay a tax. Where property demands protection, or disturbance or crime is met, the Police are bound to render assistance.

I have again to thank you for the consideration shown to all matters submitted and for the support and courtesy that has been invariably extended.

I have the honor to be, Sir,

Your very obedient servant,

H. ST. A. ORMOND,

Insp. Gov. Harbor Police, Agent M. & F. Dept.

To WILLIAM SMITH, Esq.,
Dy. Minister Marine and Fisheries,
Ottawa.

RETURN OF ACCIDENTS ON THE WHARVES. &C., FOR THE FISCAL YEAR ENDED 30TH
JUNE, 1879.

July 2nd, 1878.—A man drowned in the canal works while watering his horses. The body recovered, and Coroner notified.

July 3rd.—A man drowned while bathing at the Long Wharf; body recovered by the constable on duty; Coroner notified.

July 13th.—Three seamen belonging to the steamship "Cyble" fell into the hold of the ship, sustaining severe injuries; they were taken to the General Hospital where two of them died. Coroner notified.

July 15th.—A ship laborer fell into the hold of the "Glenmay" and was severely injured.

July 19th.—While the locomotive and tender of the Grand Trunk was moving along Common street a woman was struck by it and knocked down, the wheels passing over one hand and otherwise injured her about the face. Sent to the General Hospital and died the following day.

July 20th.—A man while standing on the wharf jumped into the river and was drowned; body recovered; Coroner notified.

July 22nd.—The body of a man was found floating in the canal above the Wellington Bridge; Coroner notified.

July 24th.—A man named George Murray, steward of the ship "Glenmay," was drowned in the King's Basin; body recovered; Coroner notified.

July 28th.—A boy fell through a hole in the wharf into the water, and was saved by the constable on duty.

July 29th.—Three young men went over to St. Helen's Island to have a swim; afterwards took a row on the river as the steamer "Three Rivers" was coming up, the agitation of the water caused by the steamer upset the skiff; one of the three was drowned, the others were saved by persons on the wharf.

August 3rd.—An apprentice of the ship "Romsdale" was drowned while bathing in the King's Basin; the body recovered; Coroner notified.

August 6th.—Five boys got into a skiff at Molson's wharf, where the current is very strong, which took the skiff down the river where it collided with a barge and upset; three of the boys were drowned, the others were rescued.

August 15th.—The body of a man was observed floating in the river opposite the city, it was taken ashore; Coroner notified.

August 18th.—A laborer fell between the steamship "Corinthian" and the wharf into the basin, and would have been drowned but for the assistance of the constable on duty.

August 22nd.—A boy was drowned by falling off a barge into the river.

August 24th.—A man fell into the canal basin and was drowned; the body was recovered with the assistance of Captain Lunn and the constable on duty.

August 27th.—A man was drowned while loading the propeller "Acadia;" the body recovered, and Coroner notified.

August 27th.—A laborer fell from the revetment wall to the shipping wharf; he was severely hurt about the back and head; conveyed to the General Hospital by the constable on duty; he died the next day.

August 31st.—A horse and cart while crossing Wellington Street near bridge, the horse was struck by the Grand Trunk locomotive and killed.

September 4th.—A boy, while picking up wood on the long wharf, fell into the river, and would have been drowned but for the assistance of the engineer of the chain tug, who jumped into the river and rescued him.

September 4th.—A laborer employed on board the propeller "Lake Erie" fell between the vessel and the wharf into the river, and was rescued by the hands on board.

September 5th.—A man, while passing along the canal bank, was tripped by a rope attached to a barge; he fell into the canal, but was rescued by the hands on board.

September 10th.—The barge "N. C. Wartell," laden with coal, owned by Mr. Joseph Champagne, in coming down the Lachine Canal struck against the Wellington pier and sunk.

September 10th.—A carpenter, while working on board the S.S. "Teutonia," fell from the upper deck between the vessel and the wharf; his leg was broken by the fall; conveyed to the General Hospital.

September 20th.—While three young men were shooting across the river at St. Lambert, one of them was shot accidentally in the face and disfigured very badly; conveyed to the General Hospital.

September 24th.—While the captain of the barge "Cremayer" was going on board, he fell into the canal and would have been drowned but for the timely assistance of the constable on duty and another.

September 25th.—As two canal boats were coming up the river in tow of the steamer "Champlain," they took a sheer; one of them struck against the steamer "Quebec," and broke her own cabin and slightly damaged the Quebec steamer.

October 5th.—A seaman belonging to the S.S. "Siberia" fell from the revetment wall to the shipping wharf; was very badly injured; conveyed to the General Hospital.

October 8th.—While a laborer was working on board the S.S. "Silurian," a piece of boiler-plate fell from the sling, striking him on the leg and breaking it; he was conveyed to the General Hospital.

October 15th.—A woman, while going on board the steam barge "Earl," fell from the gangway into the river, and was saved by a hand on board.

October 24th.—A laborer fell out of a skiff into the river, and was saved by a stevedore and the constable on duty.

October 25th.—A laborer, when coming ashore from the S.S. "Circassian," fell from the olive deck into the hold, a distance of 18 feet; was very badly hurt; conveyed to the General Hospital.

November 1st.—As the schooner "England," of Quebec, in tow of the tug boat "Powerful," was going out from the island wharf she collided with the ship "Lake Ontario," and broke her mizen-mast, also damaging her deck.

November 2nd.—Two seamen belonging to the ship "St. Patrick" and a laborer fell into the new lock and were drowned. The laborer was trying to save the seamen when he met his death. The bodies were found, and Coroner notified.

November 8th.—A laborer, while attempting to get on board the propellor "Dominion," fell into the river between the vessel and the wharf; saved by the watchman on board.

November 11th.—A laborer, while working on board the S.S. "Polynesian," had his leg broken by a bale of goods falling upon it; conveyed to the General Hospital.

November 13th.—A laborer fell into the canal basin, and would have been drowned were it not for the constable on duty who rescued him.

May 8th, 1879.—A man fell from the revetment wall on to the shipping wharf; badly hurt about the body; conveyed to his residence.

May 9th.—A man fell from the roof of Mr. Allan's shed on to the wharf, severely injured; conveyed to his residence.

May 9th.—The steward of the S.S. "Sardinian" fell from the gangway on to the wharf; severely injured; conveyed to the General Hospital.

May 11th.—The body of a woman was found floating in the new basin; the constable on duty recovered the body; Coroner notified.

May 12th.—A stevedore working on board the S.S. "Texas" had his leg broken by a barrel rolling down the gangway on him; conveyed to his residence.

May 12th.—Two seamen of S.S. "Tyne," while employed painting the funnel the scaffolding gave way, the men fell to the deck and were badly hurt; conveyed to the Hospital.

May 15th.—The body of a man was seen floating in the new basin; the constable on duty recovered the body. Coroner notified.

May 17th.—A young man while out boating became hemmed in by the St. Lambert ferry and a steam-tug. Believing himself in danger, he jumped from his boat into the river. He was rescued by one of Joe Vincent's men.

May 18th.—While driving a horse and cart along the wharf, the former took fright and ran away, breaking the driver's leg; conveyed to the Hospital.

May 20th.—A seaman of the ship "Ardimillan" fell into the hold of the vessel; severely hurt; conveyed to the General Hospital.

May 21st.—A fire broke out on board the Elevator No. 12; put out with the assistance of the fire brigade.

May 22nd.—A man fell into the river and rescued by the constable, with the assistance of a man in a small boat.

June 7th.—A man fell from the revetment wall on to the wharf, and severely injured about the body and face; conveyed to the Hospital.

June 8th.—A man fell into the new basin, and would have been drowned but for the assistance of the constable who pitched him a rope.

June 8th.—The body of a man was seen floating in the river opposite the city; brought ashore; Coroner notified.

June 9th.—A horse and cart backed into the river at Island wharf, and former was drowned.

June 11th.—A boy fell into the canal basin, and was saved.

June 13th.—While the "Shickluna" was putting out from her berth at the military wharf, struck against the barge "Bush," severely hurting one of the hands on board the barge; conveyed to the Hospital.

June 14th.—A donkey engine set fire to the wharf; the constable on duty putting out the fire with a few buckets of water.

June 15th.—A boy, while picking up chips on the wharf, had his leg broken by a cart passing over it.

June 17th.—The body of a man was seen floating in the river at the military wharf; brought ashore. Coroner notified.

June 22nd.—A boy belonging to the barge "Perseverance," lying in the canal, fell overboard; rescued by the constable on duty, with the assistance of the captain.

June 23rd.—A passenger on board the steamer "Manitobian" fell from the gangway into the canal; rescued.

June 24th.—A boy fell from the revetment wall on to the wharf; badly hurt; sent to the Hospital.

June 29th.—The body of a man was seen floating in the new basin; the body was removed to morgue; Coroner notified.

Return of the Prisoners arrested by the Government Harbour Police of Montreal, for the Fiscal Year ended 30th June, 1879.

Months.	Drunk and stabbing.	Larceny.	Drunk.	Drunk and disorderly on the wharf.	Drunk and resisting the Police.	Sailors assaulting their Officers.	Drunk and suspicion of stealing.	Sailors refusing duty on board ship.	Fighting on the wharves.	Sailors disorderly on board ship.	Sailors deserting their ships.	Impeding and resisting the Police.	Sailors drunk and refusing duty on board.	Passing bad money.	Breaking into a house and stealing.	Cruelty to animals.	Bathing in the river.	Sailors absent from ship without leave.	Protection.	Total.
1878.																				
July.....	2	6	8	8	3	3	2	2	2	.....	3	3	3	2	2	3	1	3	7	63
August.....	.....	4	10	9	2	1	2	4	.....	2	.....	2	3	.....	1	.....	4	2	6	52
September.....	1	2	13	3	.....	1	.....	.....	8	4	2	.....	2	1	.....	.....	1	2	6	46
October.....	.....	2	4	4	.....	.....	3	.....	.....	.....	.....	.....	1	.....	.....	4	.....	.....	15	33
November.....	.....	4	1	2	.....	2	.....	.....	8	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	17
December.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	12
1879.																				
January.....	.....	.....	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	18
February.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	22
March.....	.....	1	.....	2	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	3	8
April.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	3
May.....	1	9	4	4	1	1	.....	2	3	.....	.....	.....	.....	.....	2	.....	.....	4	15	46
June.....	6	2	15	1	1	.....	.....	.....	.....	.....	2	1	2	.....	1	.....	1	1	4	37
	12	33	57	35	9	9	9	8	21	6	7	6	11	3	6	8	7	12	98	357

To H. St. A. ORMOND, Esq.,
Inspector, Gov. Harbour Police, &c., Montreal.

GEORGE MURPHY,
Chief, Gov. Harbour Police.

APPENDIX No. 43.

REPORT OF THE QUEBEC RIVER POLICE FOR THE CALENDAR YEAR
ENDED 31st DECEMBER, 1879.

QUEBEC, 3rd January, 1880.

SIR,—I beg to submit, for your consideration and approval, my annual report (being the second since my appointment) as Chief of the Government River Police at the port of Quebec for the year ending on the 31st December, 1879.

To this report I have appended a statement in which the number of persons arrested during the season by the men under my command is given, with a description of the offences of which they were charged, and their various nationalities.

On the 1st of May the *personnel* of the River Police Force was as follows, viz:—

The Chief, who is also Shipping Master, at a salary of \$1,200 per annum for the joint offices.

1 Coxswain, acting as steersman for the steamer "Dolphin," at.....	\$2 20 per day.
1 Steersman for the "Wannonish" at.....	1 80 "
6 Coxswains, one of whom acts as clerk in the shipping office, at.....	1 80 "
15 Constables at.....	1 00 "

all of whom were sworn in for duty under my command before his Honor the Judge of the Sessions.

To the above should be added —

1 Engineer for the "Dolphin" at	\$50 00 per month.
1 Assistant " "	25 00 "

With this limited number of men the police duty was performed from the first until the twelfth of May, on which latter date an augmentation of 21 constables was made, who were sworn in for duty and at the like wages of \$1 per day. This effectual increase gave the force the number of 36 constables, all of whom, at the end of the season, received from the Honorable Minister a bonus of 20 cents per day, thereby raising the wages of each of them to \$1.20.

Amongst those thirty-six constables is included Jeremie Belanger, who was formerly employed as engineer of the steamer "Wannonish," and who, although latterly engaged in ordinary police duty, yet acted in a like capacity whenever it was deemed necessary to work both steamers.

Your instructions, bearing date June 7th, 1878, were to the effect that the rules and practices already established in the office were to be carefully followed, and with these I have complied.

Nothing beyond the ordinary routine duty occurred from the organization of the force until the 25th June, on which date, and for the first time during my tenure of office, a case of contemplated crimping was reported to me, the offender being one James Smith, a runner in the employ of a crimp.

Due diligence was used in his arrest, he being secured while in the very act of going on board the German barque "Duple" without permission and enticing the sailors to desert. The case appeared to be a clear one, and it is to be regretted that the prisoner, for the reason given, was not punished. The complaint was regu-

early laid by the Hon. Mr. Angers, Attorney for the Government, the prisoner was brought to the court house for three consecutive days, during all of which time His Honour the late Judge Holt was absent owing to illness, and the statute giving no jurisdiction to any other magistrate or justice, the Attorney of the Government was constrained to advise the prisoner's liberation, which was accordingly done.

In this connection I venture to suggest that steps be taken to initiate such necessary amendment to the Act conferring jurisdiction as would effectually prevent any similar failure of justice in the future.

The case in question was one which circumstances rendered beyond the control of the police force, and is, therefore, I respectfully submit, worthy of your special attention.

I have also to report two like cases, the facts of which are as follows:—On the 6th of July we arrested two men named William Sutton and John Dregger in the act of taking two sailors from the barque "Rochester." The prisoners stated that they were in the employ of one Thomas Kirby, a crimp, and that he had sent them on board for that purpose. This fact was substantiated by the coxswain and two constables, who recognized Kirby's voice hailing and directing the men from a boom where he stood. They had to be pursued in boats, and we were unable to arrest Kirby at the moment, but his capture could have been subsequently effected, and would have been, he being immediately placed under active surveillance, but we were aware of the continued absence from court of the judge, and deemed that fruitless arrests but serve to encourage law-breakers.

Again on the 7th September, at 3 a.m., the captain of the ship "Transit," lying at Sillery, reported at the station that one Thomas Harrington, a crimp, had boarded his ship at midnight and taken one of the men, Frederick Smith, with his effects. A coxswain with two boats' crews immediately accompanied the captain to Harrington's house in Champlain Street, and instituted a search. Therein they found and arrested the said Smith, who was restored to the ship. As in the case of Kirby, the man Harrington was placed under close surveillance, but for a like reason the force refrained from his arrest. It is evident that these three cases were clear and could have been abundantly proven. I do not believe, therefore, that I venture beyond the strictest limits of my duty in suggesting and recommending the above amendment to the existing law, which, if made, cannot fail to materially strengthen the utility of the force in the repression of crimping. I would, however, observe that no grave alarm need be excited by these three failures of justice. As a matter of fact crimping has been almost driven from this port by the operation of the Act 36 Vic., cap. 129. The persons who engage themselves in this unlawful calling, have a wholesome fear of the consequences which their acts entail, and had they not been aware of the unforeseen absence of the deceased Judge of the Sessions, and that therefore they might successfully defy the law, I am satisfied the cases in question would not have occurred.

On the 30th of July, at 11.45 p.m., a fire was observed on board the barque "George," lying in the river opposite the station. The alarm was quickly given. Notice was sent to the chief of the fire brigade, and with all the available force at my disposal I proceeded on board, where we remained, rendering all possible assistance, until 10 a. m. next day. The damage to both ship and cargo was considerable.

On the 13th of August a difficulty having arisen between certain late employees of the Grand Trunk Railway and the Federal authorities on the assumption by the latter of the road running from South Quebec to Rivière du Loup, and the said employees having already prevented the trains from starting, announcing at the same time their determination to continue in impeding public traffic, I, at 12.50 p.m., on the request of the Honorable Minister of Customs, proceeded with thirty men to the scene of the trouble, there to assist the mayor in restoring peace, and maintaining order. While the force was in attendance no train attempted to leave. We remained on duty until 10 p.m., when all being quiet we were ordered back to our quarters by the Honorable Minister.

It is my sad duty to again record this year, another of the lamentable occurrences of which this city has lately been the scene. On the 15th August last, at about 10.30 a.m., my deputy, Mr. Cunningham, informed me that he had just learned that a body of men, organized into a society, under the name of "L'Union Canadienne," were marching in procession with the intention of passing through Champlain Street, and that the Ship Labourers' Society was preparing to prevent the march of the former body. I was further notified that the said street was barricaded, and that four cannons were placed in position, the whole with the view of stopping the procession. Immediately realizing the gravity of the occasion, unable to oppose the advance of the processionists, who numbered over 2000, having only fourteen men at my disposal, the remaining seven of the twenty-one detailed for duty at that hour, being in the steamer on the river, I instructed my deputy that I would not rashly and uselessly expose the men, but would try by moral suasion to induce the processionists to refrain from proceeding up the street. My efforts were vain, and in consequence, we had, ten minutes afterwards, to deplore the loss of two lives and the wounding of several persons. I did all that was possible to alleviate the sufferings of the unfortunate victims of riotous disorder, immediately calling out the entire force for duty, where it remained nine days consecutively, engaged in repressing street brawls and corner fights. During that time we had some three hundred persons, including women and children, under our protection, to whom we were obliged to afford shelter and food.

On the first of November, the number of vessels in the port having decreased, and no extraordinary occurrence taking place after the cessation of the before-mentioned disturbances, I ordered a change in the routine duty of the force to the close of navigation, detailing seven men for ten days to watch South Quebec, and with the remainder sweeping the river from the Commissioners' to Giblin's Wharf, guarding docks and piers, &c., this being their ordinary daily duty.

Before closing this, my annual report, I would wish to offer some observations on the *status* of the force under my command. For all mere ordinary purposes I have no doubt that the number and efficiency of the men are sufficient. It does not require anything beyond the exercise of common sense, simple prudence, and the smallest degree of courage to arrest a few sailors, search a crimp's house, patrol the river, watch the wharfs, pick up lost, or discover stolen property, such as boats, &c., and, when known, to restore the same to the owners. But to adequately fulfil the duties of a police force worthy of the name, something more is required. To begin with, the equipment of the force is sadly deficient; armed with but a small baton, they present to the eyes of the lawless classes anything but a formidable appearance, and the general knowledge of their weakness becomes a very incentive to crime. Then, again, there is an error in the method of their selection, over which the chief, upon whom all responsibility rests, has no control. It is true that the majority of the force, as it was composed last year, were honest, sober, well-meaning men, but an efficient policeman requires activity, endurance, readiness, and, above all, fearlessness in cases of emergency. The various forces at the disposition of authority for the suppression of crime in this city and its neighborhood are numerically weak, while the tendency to open riot and disorder is on the increase. In my report of last year, I had to chronicle an unfortunate case of riot, and this year's contains a notice of two others, one of which was peculiarly aggravated. In view of this, it may be worthy of your attention to examine into and improve the method of organization and equipment. In the former case, I can have no hesitation in saying, that a higher standard of fitness for policeman's duty than now exists is required, and in the latter, a more effective weapon than a baton is needed.

The whole respectfully submitted.

I have the honor to be, Sir, your obedient servant,

BENJ. TRUDEL,

Chief of Police and Shipping Master.

Wm. SMITH, Esq., Deputy Minister of Marine, &c.,
Ottawa.

STATEMENT showing the number of persons arrested by the Quebec River Police, from 1st May to 30th November, 1879; their nationality, and the offences of which they were charged.

Offences.	Commitments.	Nationality.	No. of Persons.
Desertion.....	41	England.....	81
Absence without leave.....	133	Ireland.....	90
Refusal of duty.....	57	Scotland.....	51
do to proceed to sea.....	21	Wales.....	5
Neglecting to join ship.....	7	Canada.....	41
Drunk on wharves and streets.....	52	Sweden.....	25
Protection for the night.....	43	United States.....	20
Drunk and fighting on board.....	14	Germany.....	17
Assault on board ship.....	11	Norway.....	16
Warrants for assault.....	5	France.....	10
Assaults by chief mate on crew.....	2	Finland.....	7
Chief mate assaulted by crew.....	1	Prussia.....	6
Theft on board.....	1	Newfoundland.....	5
do shore.....	4	Belgium.....	5
Loitering near a ship.....	1	Spain.....	4
Stowaway.....	2	Holland.....	3
Crimping.....	3	Greece.....	4
		Denmark.....	2
		Austria.....	2
		Italy.....	2
		Russia.....	1
		West Indies.....	1
Total.....	398	Total.....	398

APPENDIX No. 44.

REPORT OF THE PORT WARDEN FOR THE PORT OF MONTREAL,
FOR THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.PORT WARDEN'S OFFICE,
MONTREAL, 1st January, 1880.

SIR,—I have the honor to submit this my annual report of the affairs of the office during the past season, accompanied by a statement showing the receipts and expenditure during the year.

The season opened and closed this year about the same time as last year, the first arrival from sea being the steamship "Circassian," from Liverpool, on the 1st May, and the last departure the steamship "Bellona," for Liverpool, *via* Sydney, on the 24th November.

The partial stagnation of business which characterized the trade of this port during the last few years, and which had an injurious effect upon the shipping interest, has to a great extent passed away, and has been succeeded by a revival of business which has shown itself in the increase of both imports and exports, which it is hoped will prove to be of a lasting and permanent character.

The volume of business done in shipping this year, and the corresponding amount of work done in this office, is greater than in any one year since the office was first established.

There has been a larger amount of sea-going tonnage in port this year than in any preceding one; there are three hundred and eighty-four (384) ships entered on the books of this office, with an aggregate tonnage of four hundred and forty-four thousand five hundred and seventy-four (444,574) tons, which gives the average tonnage of each ship eleven hundred and fifty-eight (1158) tons. This shows that the carrying trade of the port is gradually being diverted from ships of moderate tonnage to ships of large carrying capacity; but the most noticeable feature in this connection is the vast increase in the number of steamships as compared with sailing ships. Out of the total number of three hundred and eighty-four (384) which have passed through my hands, two hundred and twenty-one (221) were steamships.

The trade in the export of grain has been very much larger this year than in any preceding one; the shipments during the season of this staple have been over seventeen millions of bushels, being more than three millions in excess of last year.

The export trade in live cattle is assuming larger proportions every year. This year it is nearly two-thirds more in volume than last year. In view of the steady increase of this trade, it is satisfactory to note that a class of ships are being brought into it better adapted both in regard to space and ventilation for the carrying of cattle than formerly. Still there is room for improvement, as some ships leave port with their upper decks so lumbered up with cattle stalls, bales of hay and other cattle feed that the wonder to me is that so little loss and damage result from this practice. I took occasion, in my last annual report, to refer to this subject more at length, and another year's experience has not caused me to alter my views.

There has been an increase in the export of deals to England, and sawn lumber to South America, as compared with last year; but there has been a falling off in the quantity of phosphates exported.

Other exports require no particular notice than that there has been a general increase in most articles.

The low water in the river during the autumn months had an injurious effect upon the trade of the port, as it prevented a great many ships completing their loading and necessitated the lighterage of a portion of their cargoes to Quebec, thus entailing upon them considerable extra expense and risk. The deepening of the river has been of great benefit to the trade which is, as I have already said, now carried on in ships of much larger tonnage than formerly, but until the completion of the dredging operations now being carried on by the Harbor Commissioners, ships of large tonnage will be obliged, in the midsummer and autumn months, to lighter more or less of their cargoes to Quebec. The depth of water varies much in different years; it was deeper last year than this. One ship left this port on the 7th November last year drawing twenty-two feet four inches, this year the same ship left here on the 18th November and was obliged to restrict her draft to twenty feet.

I have to report this year that, in proportion to the increasing trade of the port, there is a decrease as compared with former years in the number of surveys on damaged goods and damage to ships. There has also been proportionately fewer cases of bad stowage. All this proves that more attention has been given to the stowage of cargoes, and more care taken to protect them from the perils of the sea, also that cases of stranding, collision, contact with ice, and other causes of damage have been less frequent than they used to be.

There was a decrease this year in the number of licenses issued to stevedores and liners. Complaints continue to be made and difficulty experienced, as in former years, from incompetent and inexperienced men undertaking to perform these duties. In my last annual report I had occasion to refer to this matter. I deem it my duty to renew recommendations I then made to alter the "Act to regulate the business of Stevedores and Ship Liners in the Harbor of Montreal," so as to make it compulsory to be duly licensed before they are allowed to exercise their calling, such license to be subject to suspension or be revoked when they do wrong.

It is very satisfactory to be able to report that I have not experienced any difficulty in the performance of my official duties generally, and no complaints have been lodged with me from ship-owners, ship-masters, merchants, shippers or others in regard to such duties.

I am, Sir, yours most respectfully,

D. ROSS KERR,

Port Warden.

To the Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 45.

REPORT OF THE PORT WARDEN FOR THE PORT OF QUEBEC, FOR
THE CALENDAR YEAR ENDED 31ST DECEMBER, 1879.

PORT WARDEN'S OFFICE, 128 ST. PETER STREET,
QUEBEC, 31st December, 1879.

SIR,—I have the honour to submit this my annual report of the affairs of this office during the year ending this thirty-first day of December, 1879, accompanied by the amount of fees collected and expenses.

I beg to report that on the 24th June, the ship "Hahneman," 1,313 tons register, of Newcastle, G.B., J. Thomson, master, loaded with lumber and deals, bound to London, left this harbour in tow of a tug steamer in an unseaworthy condition, from having on an over deck load of deals, producing crankness, hazarding property and life.

On the 7th July, it being necessary, did proceed on board the barque "Themis," 975 tons register, of St. John, N.B., W. B. Jurdon, master, now lying at anchor in this harbour, bound to Bristol with a cargo of lumber, including an over deck load of deals, causing her to take a heavy list to port side; on examination and by experiment she was found crank, endangering the safety of the crew. Verbally notified Captain Jurdon not to proceed on his voyage until his vessel was put in a seaworthy condition. To do this, recommended the top-gallant yards with masts, mizen-topmast and all rigging connected be sent down and placed on the vessel as low as possible, and to discharge a sufficient quantity of the deck load as will righten her. On the 8th, Capt. Jurdon reported that the yards and masts, etc., was taken down as recommended, and that he was about engaging a lighter to take off deals. Three o'clock, found the vessel was towing out of the harbour without having taken off any deals or obtaining any certificate of seaworthiness.

On the 8th August, the ship "Alexandrovna," 1,273 tons register, of St. John, N.B., D. Churchill, master, lying at anchor in this harbour, bound to London with a cargo of deals. The excess of deals stowed above the deck caused her to take a heavy list to port, endangering the safety of the crew. Had an interview with Capt. Churchill, who at once determined to discharge a portion of the deck load (deals). This having been done, the vessel left for sea in tow of a steamer without further notice.

I have to report that the steamship "James C. Stevenson," M. Breen, master, cleared from Montreal on the 3rd September, 1879, with part grain cargo on board; came to Cape Sante, in the Port of Quebec, and there took on board the remainder of her cargo (grain), and on the 7th of the same month came to Quebec and shipped some of her crew; then proceeded on her voyage to Great Britain without having obtained any certificate of seaworthiness from this office. The Collector of Her Majesty's Customs of this port was duly notified of this fact, at the same time your Department was informed of this violation of the Port Warden's Act, regulating the loading of vessels taking on board grain cargoes in the ports of Montreal and Quebec; also notified the agent in this city of the vessel having left without obtaining a certificate of seaworthiness after completing her cargo in this port, and in so doing the captain had incurred a penalty of eight hundred dollars.

The steamship "Corsica," 1,036 tons, of London, Capt. Shapcott, October 9th, 1879, cleared from Montreal partly loaded with grain, came into this port (viz.), Cap^e Sante, where she took on board the remainder of her cargo (viz.), 8,000 bags containing wheat, and on Saturday, the 12th, arrived in this harbour and applied to this office for final certificate of seaworthiness. On examination of the vessel she was found over-loaded; recommended Capt. Shapcott to lighten his vessel. On the 13th the vessel having been lightened as recommended, a certificate of seaworthiness was granted and the vessel proceeded on her voyage to London.

I most respectfully solicit your attention to my report of 31st December, 1878, and remarks therein contained, on the carrying of live stock, etc., on the top of shed decks and temporary houses erected on the top of said shed and other top decks.

The carrying trade of cattle from this port during the past season has been most satisfactory.

The law providing for the inspection of cattle for the ports of Quebec and Montreal, with that care exercised over the loading and examination of the cattle after having been shipped, has been most satisfactory.

The subject of free board continues a vexed question, more particularly with that class of screw steamers constructed with water-ballast tanks. Vessels of this construction leaving the River St. Lawrence with full cargoes of grain, and heavy loads of cattle and sheep on the main, spar, awning and shed decks, besides a large quantity of feed carried on the top of the sheds erected on their decks, obstructing the duties of the crew and endangering their lives. The rendering of a safe free board under the above circumstances is a most difficult matter to arrive at. I am, therefore, of opinion, that vessels of this description should be confined to the carrying of live stock only.

Amount of fees received, including work done outside of the harbour limits.....	\$1,880 00
Office expenses, etc.....	644 00
	<u>\$1,236 00</u>

Respectfully submitted,

JOHN DICK,

Port Warden.

WM. SMITH, Esq.,
Deputy Minister Marine and Fisheries,
Ottawa.

APPENDIX No. 46.

REPORT OF THE PORT WARDEN FOR THE PORT OF HALIFAX, FOR
THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.PORT WARDEN'S OFFICE,
HALIFAX, 1st January, 1880.

SIR,—I have the honour to submit a report of the transactions in connection with the office of Port Warden, at Halifax, during the past year.

You will observe by the list which accompanies this report, that the number of damaged vessels that have arrived here during the year now ended has been considerably greater than in any previous twelve months in which the office of Port Warden has been in existence.

The Norwegian barque "Miramichi," deal laden, from St. John, N.B., bound to Bristol, G.B., put into this port in June; the master reporting that six of the crew had refused to proceed in her, alleging that she was unseaworthy. At the request of E. D. Tucker, Esq., Vice-Consul for Sweden and Norway, I held a survey upon her, having associated with me Capt. H. Christiansen of the Norwegian barque "Forsette," Capt. A. Kruge of the Norwegian brig "Olaf" and Mr. D. McPherson, shipbuilder. Upon examination we found that the vessel was not leaking to the extent reported, and that in addition to her main pumps she had a windmill pump, all in good working condition. After taking into consideration the nature of the cargo and the season of the year, a certificate of seaworthiness was granted. Six men having been engaged "in place of the disaffected ones, the vessel proceeded upon her voyage, and arrived at her destination after a passage of usual duration.

The cargo of the schooner "Vigilance" was forwarded on another vessel to its destination and the schooner taken, in ballast, to Chatham, N.B., to have the necessary repairs made. The schooner "Charles Graham" was taken, in ballast, to Charlottetown, P.E.I., to be repaired.

Vessels destined for this port arriving in a damaged condition were satisfactorily repaired and put in a seaworthy condition previous to leaving. Vessels bound to other ports with their cargoes, after the repairs necessary to put them in a seaworthy condition had been completed, sailed for their destinations, and it is satisfactory to be enabled to state that all of them have arrived safely.

The ship "Star of India" and barque "Evviva," have been repaired, and are now ready for sea.

The barque "Ada Barton" still remains in port, no repairs of any description having been made to her.

The brigantine "America" still remains in port undergoing repairs.

I have the honor to be, Sir,

Your obedient servant,

DAVID HUNTER,

Port Warden.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from 1st January
 DR. to 31st December, 1879. CR.

	\$	cts.		\$	cts.
To Fees for survey of hatches, stowage and damaged goods	623	00	By Paid fees to assistants.....	522	00
For survey of vessels damaged....	1,066	00	Paid office expenses, printing, stationery, &c	296	48
From all other sources	363	67	Balance carried down.....	1,234	19
	2,052	67		2,052	67
To Balance brought down.....	1,234	19	By Amount reverting to Port Warden	1,234	19
	1,234	19		1,234	19

E. and O. E.

DAVID HUNTER,

Port Warden.

HALIFAX, N.S., 31st Dec., 1879.

List of Damaged Vessels surveyed by Port Warden, Halifax, N.S.

Name of Vessel.	Port of Registry.	Rig.	Where from.	Where bound.	Description of Cargo.	Nature of Damage
Atalanta	Harbour Grace, Nfld	Brigantine	Harbour Grace, Nfld	Boston	Fish	Leaky from stress of weather.
Quebec	Liverpool, G.B.	Steamship	Liverpool, G.B.	Halifax, N.S.	General cargo	Steering gear and dick work damaged.
Henry M. Clarke	Essex, U.S.	Schooner	Boston	St. Pierre	do	Leaky; loss of sails, &c.
Colombo	London	Steamship	New York	Barcelona	Grain	Kudder damaged; cargo shifted.
May	Lunenburg, N.S.	Brigantine	Turk's Island	Halifax, N.S.	Salt	Leaky.
Lord Mayo	Halifax, N.S.	Schooner	Demetara	do	W. I. produce	Stranded.
Wapiti	Shelburne, N.S.	Brigantine	Inagua, W.I.	do	Salt	Leaky; loss of spars, sails, &c.
Modesta	Bermuda	Barque	New York	Bordeaux	Petroleum	Leaky from stress of weather.
Ada R.	Charlottetown	Schooner	Charlottetown	Halifax, N.S.	do	Rudder damaged; leaky.
Beta	Glasgow	Steamship	Bermuda	do	General cargo	Stranded.
Nova Mathilde	Madeira	Brigantine	Sheet Harbour	do	Fish	do
Kate	Halifax, N.S.	do	London	do	General cargo	do
Olaf	Sandefjord	Brig	Cadix	do	Salt	do
Miramichi	Christiania	Barque	St. John, N.B.	Bristol, G.B.	Deals	Leaky.
Ada Barton	Halifax, N.S.	do	do	Queenstown	do	Derelict.
Ella	Halifax, N.S.	Brigantine	New York	do	Molasses	Leaky from stress of weather.
Vigilance	Charlottetown	Schooner	Miramichi	Boston	Grindstones	Leaky.
Hero	Halifax, N.S.	do	Halifax, N.S.	Tangur, N.S.	General cargo	Collision.
Sultana	Oporto	Barque	Oporto	Halifax, N.S.	Salt, &c.	Leaky.
St. Andrew	St. John, N.B.	Steamship	New York	Dunkirk	Grain	rumps chocked; loss of spars, sails, &c.
Alhambra	Quebec	do	do	Halifax, N.S.	General cargo	Collision.
European	Liverpool, G.B.	do	do	Liverpool, G.B.	do	Machinery damaged.
Gloaming	Maitland, N.S.	Ship	Parsboro'	do	Deals	Stranded; leaky.
Zulu	Barrington, N.S.	Brigantine	Turk's Island	Halifax, N.S.	Salt	Stranded.
Alhambra	Quebec	Steamship	Halifax, N.S.	New York	General cargo	Shaft broken.
Ayton	London	do	New Orleans	Rouen	Cotton	Stranded; uninjured.
Ellie E. Butler	Halifax, N.S.	Brigantine	Havana	Halifax, N.S.	W. I. produce	Loss of spars, sails, &c.
Star of India	Liverpool, G.B.	Ship	New York	London	Petroleum	Leaky; cargo shifted.
Evria	Grimstad	Barque	do	Queenstown	Grain	Leaky; loss of spars, sails, &c.
Charles Graham	Halifax, N.S.	Schooner	Bay of Islands	Halifax, N.S.	Lumber	Damaged at wharf.
Monarch	Newcastle, G.B.	Steamship	Liverpool, G.B.	New York	Ballast	Propeller broken.
City of Richmond	Liverpool, G.B.	do	do	do	General cargo	Shaft broken.
Ann Anelia	Halifax, N.S.	Schooner	Dembrara	Halifax, N.S.	Sugar	Leaky; loss of sails, &c.
America	Quebec	Brigantine	Montreal	Rotterdam	Grain	Leaky from stress of weather.

APPENDIX No. 47.

REPORT OF PORT WARDEN FOR THE PORT OF COW BAY, C.B., FOR
THE CALENDAR YEAR ENDING 31st DECEMBER, 1879.PORT OF COW BAY, C.B.,
1st January, 1880.

We, the undersigned, Joseph Macpherson, Port Warden for the Port of Cow Bay, and Désirée Boudrot, Master of the schooner "J. M. Maguire" of Port Hawkesbury, and Daniel McAuly, ship-carpenter of Cow Bay, having been called upon by the crew of the brig "Eliptic," of St. John, N.F., to hold a survey on the said vessel, and having repaired alongside and on board, report as follows: That we found the said vessel lying at anchor in the Port of Cow Bay, with a cargo of coals on board. That the vessel having been reported leaky we sounded the pumps and found that she was only making one hundred and twenty strokes of a single pump in an hour, and on further examination we found that the vessel generally, together with her riggings, sails, spars and gear, fit to proceed on her intended voyage to St. John, N.F., and from the fact of her having just come off the marine railway at North Sydney, where her bottom was thoroughly examined, we recommend the Master, Albert Percey, to proceed on the intended voyage to St. John, Newfoundland, and to ship men in place of any who may refuse to proceed in the vessel. To the foregoing we are willing to attest if required. Thus declared this 3rd day of July, 1879.

JOSEPH MACPHERSON, Port Warden.
DÉSIRÉ BOUDROT, Master Mariner.
DANIEL MCAULY, Ship-carpenter.

We, the undersigned, Joseph Macpherson, Port Warden for the Port of Cow Bay, and George Spencer, Master of the schooner "Albert," Sydney, and N. L. Quwistt, ship-carpenter, of Cow Bay, having been called upon by the crew of the brig "Arichat West," of Newfoundland, to hold a survey on the said vessel, having arrived at said vessel, report as follows: That we found the said vessel lying at Messrs. Archibald & Co's. wharf waiting to take on board a cargo of coals. That the vessel having been reported in bad condition, we examined her above the water lines, and found that several of her planks were badly worm-eaten and partly rotten; we sounded the pumps and found that she was making about 175 strokes of a single pump in an hour, and on further examination we found that the vessel generally, together with riggings and boats, were in bad condition, and not fit to proceed on her intended voyage before she would undergo general repairs. We recommend the Master, Joseph Houlihan, not to take within 50 tons of the said vessel's usual cargo, and to proceed to North Sydney and undergo the necessary repairs. To the foregoing we are willing to attest if required. Thus declared this 5th day of December, 1879.

JOSEPH MACPHERSON, Port Warden.
GEORGE SPENCER, Master Mariner.
N. L. QUWISTT, Ship-carpenter.

Cost of surveys brigs "Eliptic" and "Arichat West"....	\$30 00
Expenses connected with said surveys, as follows:—	
Paid Joseph Macpherson, Warden.....	\$5 00
Désirée Boudrot, Master Mariner.....	5 00
Daniel McAuly, Ship-carpenter.....	5 00
Joseph Macpherson, Warden.....	5 00
George Spencer, Master Mariner.....	5 00
L. N. Quwistt, Ship-carpenter.....	5 00
Total.....	\$30 00

 APPENDIX No. 48.

 REPORT OF PORT WARDEN FOR THE PORT OF LOUISBURG, N.S.,
 FOR THE CALENDER YEAR ENDING 31st DECEMBER, 1879

 PORT OF LOUISBURG, C.B.,
 2nd February, 1880,

 To WM. SMITH, Esq.,
 Deputy Minister of Marine, etc.

SIR,—In presenting to you my official report for the year ended 31st December, 1879, permit me briefly to state that of five different vessels wrecked in or about the Port of Louisburg, I have been called upon to examine only one of them, viz., the schooner "Sparkling Wave," of Port Medway, N.S., regarding which I make the following extracts from my book:

October 28th., 1879.—Have been requested by Captain of schooner "Sparkling Wave," of Port Medway, N.S., now ashore at White Point, to proceed for survey, etc. Proceeded accordingly, assisted by John Gillis and John McLellan, ship-carpenters. Arrived at the wreck about 12 o'clock noon. Found the schooner all under water. Was unable to board her. Weather fine; wind moderate. Declared the vessel a total wreck. Was back about 2 p.m. Astonished at seeing notices put for the sale of the schooner. Sale accordingly took place at 4 p.m., same day. Notices could not be up more than four hours.

November 8th.—More than ten days since sale of "Sparkling Wave." No statement of sale yet fyled with me. I believe the wrecking and selling to be an intentional fraud. W. H. McAlpine acted as auctioneer.

Upon the remaining four I make no comment as I have not been called upon to any of them, but from what I understand and believe, some of them, at least, could not have been condemned and sold, were the *best policy* adopted. As an instance, I may bring to your notice particularly a brigantine, viz., the "Mechanic," of Portland, which, when there was not wind enough to drive her ashore, was further dragged ashore, condemned and sold by the same auctioneer and his accomplices. This will give an idea of how the Marine Law is daringly violated by such *wreck hounds*.

Respectfully submitted,

 ALEX. McCUIISH, *Port Warden*.

APPENDIX No 49.

REPORT OF THE PORT WARDEN FOR THE PORT OF NORTH SYDNEY,
C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

NORTH SYDNEY, C.B., 1st January, 1880.

SIR,—I beg to hand you, herewith, my annual Report as Port Warden of North Sydney for the past year.

Trade during the early part of the season was unusually dull, but showed considerable signs of revival during the latter months of the year.

Steamers loaded with grain or heavy cargo are glad to avail themselves of my supervision, and I am careful in seeing that vessels of this class only leave this port in a seaworthy condition. The prevalence of vessels leaving this port overladen still continues, but I do not feel called upon to interfere in such case unless personally required.

In cases of dispute, as to seaworthiness of vessel, between crews and masters before a magistrate, I would wish to be instructed whether the Justice can appoint his own surveyors, or is under the necessity of calling upon the Warden of the port.

During the past year I have been called upon to survey and report on vessels, cargoes and hatches on 55 occasions.

The total number of vessels registered was 42, which consisted of—

Steamers for bunker coal, grain laden.....	28
do injured requiring repairs.....	1
Sailing vessels do	8
Survey of cargo.....	4
do hatches.....	1
Total.....	42

The total fees received at this office during the past year, in accordance with the approved scale of fees, were \$345.

The expenses in connection with the office were as follows:—

Office rent and fuel.....	\$40
Printing and stationery.....	11
Clerk	160
Total.....	211

Six reports of auction sales are filed in this office.

I have the honour to be, Sir,

Your most obedient servant,

ANDREW NISBET,

Port Warden.

WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries,
Ottawa.

THE Total Number of Steamers for Bunker Coals, and requiring Surveys on Cargo, Hatches and Certificate, from Port Warden.

		<i>Steamer Ossian.</i>		<i>Expenses of Office.</i>				
		\$	cts.	\$	cts.			
Sept.	9..	Survey on hatches and cargo.....	5	00	Rent of office.....	25	00	
		Certificate.....	3	00				
		<i>Steamer Bengal.</i>						
do	16..	Survey on hatches and cargo.....	5	00				
		Certificate.....	3	00				
		<i>Steamer Lady Lyell.</i>						
do	19..	Survey on hatches and cargo.....	5	00				
		Certificate.....	3	00				
		<i>Steamer Indus.</i>						
Oct.	15..	Survey on hatches and cargo.....	5	00				
		Certificate.....	3	00				
		<i>Steamer Gilsland.</i>						
Nov.	20..	Survey on hatches and cargo.....	5	00				
		Certificate.....	3	00				
		<i>Steamer Bedouin.</i>						
do	24..	Survey on hatches and cargo.....	5	00				
		Certificate.....	3	00				
		<i>Barque W. G. Putman.</i>						
Sept.	27..	Three surveys, \$5.....	15	00				
		Certificate.....	3	00				
			66	00			66	00
					Balance		41	00

JOHN LOMAY,
Port Warden.

Sworn before me at Sydney, C.B., this 31st day of December, 1879.

CHARLES MUGGET, J.P.

APPENDIX No. 50.

REPORT OF THE PORT WARDEN OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDING 31st DECEMBER, 1879.

1879.	To Fees for surveys on	Brig "Zinga," P.E.I....	\$	cts.	Paid Surveyors.....	\$	c.
May 25		Brig "Zinga," P.E.I....	23	00	Paid Surveyors.....	10	00
June 4	do 2 do	Bark "Kate Irwin," N.B..	13	00	do	20	00
" 5	do 1 do	Brig "Peeress," P.E.I....	8	00	do	15	00
" 10	do 2 do	Schooner "Thistle," N.S.	33	00	do	30	00
July 20	do 3 do	Brig "Laura," N.S.....	33	00	Office rent	5	00
Oct. 1	do 3 do	Bark "Jane Wright," G.B.	48	00	Printing & stationery....	5	00
" 18	do 1 do	Bark "Arethusa," G.B..	5	00			
" 27	do 2 do	Brig "John T. Ives," N.S.	16	00			
			179	00			
		Amount paid Surveyors.....	85	00			85 00
			94	00			

DANIEL McDONALD,
Port Warden.

PICTOU, December, 1879.

APPENDIX No. 51.

REPORT OF THE PORT WARDEN OF PORT HAWKESBURY, N. S., FOR
THE CALENDAR YEAR ENDING 1st JANUARY, 1880.PORT WARDEN'S OFFICE,
PORT HAWKESBURY, 1st January, 1880.

SIR,—I have the honour to submit my annual report of the affairs of this office, accompanied by a statement of the fees collected by me, and the attendant expenses during the past year.

Enclosed please find a list of the vessels that arrived at this port in a damaged condition, and on which surveys have been held during the year 1879. The damaged vessels were all repaired; the tern schooner "Sorata" is still lying stranded at Bear Island, and parties are engaged in floating her off. The "Fama" and also the "A.H.C." are repaired, and still here laid up for the winter.

I have the honour to be, Sir,

Your most obedient servant,

D. W. HENESSEY,

Port Warden.

To WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RECEIPTS and Expenditures of Port Warden at Port Hawkesbury, from 31st December
1878, to 31st December, 1879.

	\$	cts.		\$	cts.
To Survey on cargo of schooner "Ada R"	5	00	Paid Mr. Lyle	5	00
do schooner "Albert L."	13	00	do	5	00
do do "A. Carcand"	13	00	Paid to Messrs. Lyle and Bouche	20	00
2 surveys on brig "C.R.C."	33	00	Paid to Mr. Lyle	10	00
2 do "River Queen"	23	00	do	10	00
2 do "Foederis Arca"	23	00	Paid to Alex. Bain Meicht	5	00
Survey on cargo of "Sorata"	10	00	do Mr. Philpot	5	00
2 surveys on "Cetywayo"	18	00	do Mr. Lyle	10	00
2 do "Cepola"	23	00	do do	10	00
2 do "Lavinia Elizabeth"	23	00	do do	10	00
2 do "Fama"	13	00	do do	10	00
2 do "A.H.C."	13	00			
Total receipts	210	00			
Deduct	80	00			80 00
To Amount reverting to Port Warden	130	00			

List of Damaged Vessels Surveyed by the Port Warden of Port Hawkesbury, N.S., for the Year ended 31st December, 1879.

Name of Vessel.	Where from.	Rig.	Where bound.	Port of Registry.	Cargo.	Ballast.	Nature of damage.
Ada R.....	P. E. Island	Schooner.	Cork, Ireland.....	Charlottetown	Oats.....	.....	Stranded on Bear Island.
Alberta L	Sydney, C.B... ..	do ...	do	Sydney.....	.....	Ballast.	do on St. Mary's, Guysboro'
A. Carcand.....	Boston.....	do ...	St. Pierre et Miquelon	New Carlisle...	General cargo .....	.....	do on Isle Madame.
C.R.C.....	Jersey.....	Brig	Arichat.....	Jersey .....	.....	Ballast.	do at or near Arichat.
River Queen. ..	Labrador	Schooner.	Fishing voyage.....	Lunenburg.....	Fish and fishing outfits .....	.....	do on Labrador Coast.
Co. Foederis Arca	Barbadoes.....	do ...	Quebec.....	Quebec	Molasses.....	.....	do on Green Isle Ledges.
Sorata (on cargo)....	Pictou.....	Tern schr.	Fall River.....	Pictou.....	Coal .....	.....	do on Bear Island.
Cotywayo.....	Cow Bay, C.B	do ...	Salem, U.S.....	Parrsboro', N.S.	.....	Ballast.	do Stress of weather, off Halifax.
Cepola.....	P. E. Island.....	Schooner.	Barbadoes.....	Lockport.	Produce, oats, potatoes and dry fish.....	.....	do at or near Cape Canso.
Lavinia Elizabeth....	do	do ...	Halifax.....	Halifax.....	Produce.....	.....	do on P. E. Island Coast.
Fama.....	Cape Canso.....	do ...	do	do .....	.....	Ballast.	do on Cape Canso, N.S.
A.H.C.....	Halifax.....	do ...	Not known.....	do .....	.....	Ballast.	do on Whitehaven, County Guysboro'.

APPENDIX No. 52.

REPORT OF THE PORT WARDEN FOR THE PORTS OF VICTORIA
AND ESQUIMAULT, B.C., FOR THE CALENDAR YEAR ENDING 31st
DECEMBER, 1879.

VICTORIA, B.C., 15th January, 1880.

SIR,—I have the honour to forward, for your information, the following Statement of Expenditure in connection with the Office of Port Warden for the Ports of Victoria and Esquimault, from 1st Jan., 1879, to 31st Dec., 1879.

Date.		Amount.	Total.
		\$ cts.	\$ cts.
Jan. 14.....	Daily attendance on "Prince Rupert" whilst discharging.....	28 00	
do 16.....	Survey on bale ex str. "Georgia".....	3 00	
do 29.....	do Ship "Washington Libby".....	16 00	
Feb. 3.....	do Hatches, "B. Scowfeli".....	5 00	
do 6.....	do Whitning, "Rhodes & Co.".....	8 00	
Mar. 4.....	do Hatches, "Rover of the Sea".....	8 00	
do 31.....	do do "Brierly Hill".....	10 00	
April 14.....	do 2 cases brandy, Carr.....	3 00	
do 19.....	do 1 case liquorice (R C.).....	1 50	
May 2.....	Attendance B. "Helena" whilst discharging.....	20 00	
do 6.....	Survey on rice (Kwong, Lee & Co.), B. "Helena".....	3 00	
do 6.....	Attendance B. "Brierly Hill" whilst discharging.....	28 00	
do 8.....	Survey on rice, Taé, Soong & Co., B. "Helena".....	3 00	
do 16.....	Attendance S. "Hertfordshire" whilst discharging.....	12 50	
do 16.....	do "Iron Queen".....	12 50	
do 21.....	Survey, iron, E. Maivin, S. "Hertfordshire".....	2 50	
June 24.....	Hatches, B. "Thomas Fletcher".....	5 00	
do 28.....	Attendance whilst discharging.....	10 00	
Sept. 30.....	Survey on hatches, B. "San Louis".....	5 00	
Oct. 8.....	Attendance whilst discharging.....	25 00	
do 16.....	Survey, hatches, B. "Princess Royal".....	5 00	
do 21.....	Attendance whilst discharging.....	28 00	
			242 60

No vessels were loaded wholly or partially with grain.

I have the honour to be, Sir,

Your obedient servant,

JEREMIAH NAGLE,

Port Warden.

To W. SMITH, Esq.,
Deputy Agent of Marine and Fisheries,
Ottawa.

Sworn before me at Victoria, B.C., this } R. P. RITHEL, J.P.
15th day of January, 1880.

APPENDIX No. 53.

STATEMENT showing results of certain Returns respecting shipping and discharging of Seamen, received by the Department of Marine and Fisheries in accordance with the provisions of the Act 36 Vic., chap. 129, from Shipping Masters throughout the Dominion, for the half-years ended 30th June and 31st December, 1879.

QUEBEC.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1879.		For Half-year ended 31st December, 1879.		Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Seamen Shipped.	Seamen Discharged.			
Escoumains.....	Bonaventure.....	John E. Barry.....	.....	.....	No return.	No return.	.....	.....	\$ cts.
Gaspé.....	Gaspé.....	Ernest Tôté.....	.....	.....	25	29	.....	.....	21 20
Magdalen Islands.....	Gaspé.....	J. J. Fox.....	.....	.....	No return.	No return.	.....	.....	.....
Montreal.....	Montreal.....	Geo. Smith.....	101	91	415	652	516	743	629 50
New Carlisle.....	Bonaventure.....	W. Montgomery... ..	9	.....	9	4	18	4	10 20
Percé.....	Gaspé.....	G. LeBoutillier.....	.....	Nil.....	.....	Nil.....	.....	.....	.....
Quebec.....	Quebec.....	B. Trudel.....	303	74	622	252	925	376	559 50
Rimouski.....	Rimouski.....	P. L. Chauveau.....	.....	Nil.....	.....	Nil.....	.....	.....	.....
St. John's.....	St. John's.....	E. D. Phillips.....	.....	.....	No return.	No return.	.....	.....	.....
Sorel.....	Richelieu.....	G. Peltier.....	.....	1	.....	No return.	.....	.....	.....
Three Rivers.....	Three Rivers.....	C. H. Godby.....	.....	.....	No return.	No return.	.....	.....	.....

STATEMENT showing results of certain Returns respecting shipping and discharging of seamen, &c.—Continued.
NOVA SCOTIA.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1879.		For Half-year ended 31st December, 1879.		Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Seamen Shipped.	Seamen Discharged.			
Advocate	Cumberland	C. Ward			No return.	No return.			\$ cts.
Amherst	Cumberland	Nathaa Tupper		Nil		Nil			
Annapolis	Annapolis	A. Fullerton	95	18	96	40	191	58	112 90
Antigonish	Antigonish	H. McPhie			No return.	No return.			Deficient returns.
Apple River	Cumberland	J. W. Ward		Nil		Nil			
Arichat	Richmond	D. O' C. Maiden	117	36	99	124	216	160	156 00
Aspey Bay	Victoria	D. McDonald	16			Nil			
Baddeck	Victoria	A. Cameron			No return.	No return.			Deficient returns.
Barrington	Shelburne	D. Sargent	19		17	7	36	7	20 10
Bayfield	Antigonish	E. G. Randall	21	4	1		22	4	12 20
Beliveau Cove	Digby	J. V. Stuart		Nil	5	20	5	20	8 50
Bear River	Digby	D. J. Morse	90	70	160	108	250	178	178 40
Beaver River	Colchester	R. Perry			No return.	No return.			Deficient returns.
Bridgetown	Annapolis	S. S. Ruggles	3		3	4	6	4	4 20
Canada Creek	King's	C. V. Rawling	14		14	15	29	15	18 50
Canso	Guysboro'	John Jeffery		1	15	4	15	5	9 00
Clementsport	Annapolis	G. F. Dumas	35	22	48	49	83	71	62 80

		40	4	21 20	18	22	45 60	118	26	66 80
Cornwallis.....	Kings.....	E. Rand.....	4	21 20	18	22	45 60	118	26	66 80
Cow Bay.....	Cape Breton.....	Isaac Archibald.....	19	13 50	29	17	19 60	48	27	32 10
Digby.....	Digby.....	Botsford Viets.....	Nil.	.....	9	4	5 70	9	4	5 70
Freeport.....	Digby.....	Isaiah Thurber.....	.....	.....	No return.	No return.	.....	.....	.....	Deficient returns.
French Cross.....	Kings.....	J. E. Orpen.....	4	2 00	2	3	1 90	6	3	3 90
Great Bras d'Or.....	Cape Breton.....	D. Campbell.....	4	2 30	16	.....	8 00	20	1	10 30
Guysboro'.....	Guysboro'.....	J. A. Tory.....	.....	.....	.....	16	4 80	.....	16	4 80
Halifax.....	Halifax.....	Asa B. Bligh.....	1,121	822 10	1,411	1,089	1,032 20	2,532	1,961	1,854 30
Hantsport.....	Hants.....	Wm. Davison.....	.....	.....	No return.	No return.	.....	.....	.....	Deficient returns.
Harbour au Bouche.....	Antigonish.....	E. Corbet.....	19	9 50	10	14	9 20	29	14	18 70
Harbourville.....	Kings.....	Henry Morris.....	.....	.....	16	10	11 00	16	10	11 00
Horton.....	Kings.....	E. DeWolf.....	.....	.....	11	.....	5 50	11	.....	5 50
Isaac Harbour.....	Guysboro'.....	J. D. Giffin.....	19	9 50	.....	Nil.	.....	19	.....	9 50
Joggins.....	Cumberland.....	J. McFat.....	12	7 80	No return.	No return.	.....	.....	.....	Deficient returns.
Jordan Bay.....	Shelburne.....	M. D. McKenzie.....	16	10 70	33	16	21 30	49	25	32 00
La Have.....	Lunenburg.....	B. Rynard.....	.....	.....	9	5	6 00	9	5	6 00
Lingan.....	Cape Breton.....	Matthew Roche.....	.....	.....	.....	Nil.	.....	.....	.....	.....
Little Bras d'Or.....	Cape Breton.....	M. McDonald.....	.....	.....	5	.....	2 50	5	.....	2 50
Little Glace Bay.....	Cape Breton.....	J. J. Campbell.....	.....	.....	4	7	4 10	4	7	4 10
Liscomb.....	Guysboro'.....	James Hemlow.....	.....	.....	.....	Nil.	.....	.....	.....	.....
Liverpool.....	Queens.....	W. A. Kenney.....	316	207 80	211	277	188 60	527	443	396 40
Lockeport.....	Shelburne.....	George Stalker.....	395	252 40	252	112	159 60	617	295	412 00
Londonderry.....	Colchester.....	Robert Dill.....	.....	.....	.....	Nil.	.....	.....	.....	.....
Louisburg.....	Cape Breton.....	W. H. McAlpine.....	11	5 50	5	10	5 50	16	10	11 00
Lunenburg.....	Lunenburg.....	William Young.....	156	106 80	248	275	203 50	401	371	313 30

STATEMENT showing results of certain Returns respecting Shipping and discharging of Seamen, &c.—Continued.

NOVA SCOTIA—Continued.

Name of Port.	Name of County.	Name of Shipping Master.	For half-year ended 30th June, 1879.			For half-year ended 31st December, 1879.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount.	Seamen Shipped.	Seamen Discharged.	Amount.			
Mahone Bay	Lunenburg	Charles D. Madder	7	6	\$ 5 30	15	10	10 50	22	16	\$ 15 80
Main à Dieu	Cape Breton	Geo. Rigby	4		2 00		Nil		4		2 00
Maitland	Hants	Alex. Roy				No return.	No return.		Deficient returns.		
Margaree	Inverness	James Ross		Nil			Nil				
Margaretsville	Annapolis	D. W. Landers	15		7 50	14		7 00	29		14 50
Merigomish	Pictou	Robert Murray		Nil			Nil				
North Sydney	Cape Breton	M. Tracey	19	17	14 60	205	136	143 30	224	153	157 90
Parsborough	Cumberland	A. S. Townshend				No return.	No return.		Deficient returns.		
Pictou	Pictou	M. Campbell	108	45	67 50	240	114	154 20	348	159	221 70
Port Acadie	Digby	A. Bourneuf	36	19	23 70	32	29	24 70	68	48	48 40
Port Caledonia	Cape Breton	J. MacKinnon	5	3	3 40	14	10	10 00	19	13	13 40
Port Gilbert	Digby	R. Sanderson	43	6	23 30	36	30	27 00	79	36	50 30
Port Hood	Inverness	E. D. Tremain		Nil		4	4	3 20	4	4	3 20
Port la Tour	Shelburne	J. W. Taylor	17		8 50		Nil		17		8 50
Port Medway	Queen's	J. J. Letson	35	29	26 20	31	27	23 60	66	56	49 80
Port Mulgrave	Guysboro'	Geo. B. Hadley	2	2	1 50	3	2	2 10	6	4	3 70

	King's	G. S. Lockwood	3	1 50	18	4	10 20	21	4	11 70
Port William	King's	G. S. Lockwood	3							
Pubnico	Yarmouth	P. S. D'Entremont		Nil.	51		25 50	51		25 50
Pugwash	Cumberland	J. H. Black			No return.	No return.		Deficient returns.		
Ratchford's River		F. F. Hatfield	15	7 50	27	14	17 70	42	14	25 20
Port Richmond	Richmond	A. McDonald				Nil.				
St. Ann's	Cape Breton	D. McAuley			8		4 00	8		4 00
St. Mary's River	Guysboro'	A. P. McKenzie				Nil.				
St. Peter's	Richmond	Donald Urquhart	8	4 00	8		4 00	16		8 00
Sheet Harbour	Halifax	M. Macfarlane			No return.	No return.		Deficient returns.		
Shelburne	Shelburne	W. F. Atwood	55	28 40	16	8	10 40	71	11	38 80
Ship Harbour	Halifax	Edgar Hill	1	0 80		Nil.		1	1	0 80
South Bar	Cape Breton	P. Hullins				Nil.				
Sydney	Cape Breton	R. J. Ingraham	6	5 10	22	22	17 60	28	29	22 70
Thorne's Cove	Annapolis	E. H. Porter	30	15 30	22	10	14 00	52	11	29 30
Truro	Colchester	J. T. Crowe				Nil.				
Tatamagouche	Colchester	J. A. G. Campbell				Nil.				
Wallace	Cumberland	W. McNab	5	2 50	5		2 50	10		5 00
Walton	Hants	A. McN. Parker	6	3 00	14	9	9 70	20	9	12 70
Weymouth	Digby	Sterns Jones	8	5 80	15	1	7 80	23	7	13 60
Windsor	Hants	E. O'Brien	18	11 70	12	4	7 20	30	13	18 90
Wilmot	Annapolis	G. B. Reed		0 30	3	1	1 80	3	2	2 10
Yarmouth	Yarmouth	C. W. Clements	272	211 30	283	207	203 60	555	458	414 90

STATEMENT showing results of certain Returns respecting shipping and discharging of Seamen, &c.—Continued.
PRINCE EDWARD ISLAND.

Name of Port.	Name of County.	Name of Shipping Master.	For Half-year ended 30th June, 1878.			For Half-year ended 31st December, 1879.			Total Seamen Shipped.	Total Seamen Discharged.	Total Amount.
			Seamen Shipped.	Seamen Discharged.	Amount. \$ cts.	Seamen Shipped.	Seamen Discharged.	Amount. \$ cts.			
Cascumpec	Prince.....	Jas. F. White	7	5	5 00	Nil.	Nil.	7	5	5 00	
Charlottetown.....	Queen's.....	Wm. Koughan	166	53	98 90	300	261	466	314	327 20	
Crapaud	Queen's.....	S. J. B. Leard.....	8	4	5 20	14	3	22	7	13 10	
Georgetown	King's.....	Chas. Owen	38	38	30 40	63	47	101	85	76 00	
Malpeque	Prince.....	J. M. Macvorit.....	.....	Nil.	.....	.....	Nil.	.....	.....	.....
Montague Bridge.....	King's.....	M. Rowe.....	6	3	3 90	7	1	13	4	7 70	
Murray Harbour	King's.....	H. J. Brehaut.....	3	.....	1 50	.....	Nil.	3	.....	1 50
Pinette	Queen's.....	A. Murchison	7	.....	3 50	.....	Nil.	7	.....	3 50
Port Hill.....	Prince.....	W. Hopgood.....	2	7	3 10	.....	Nil.	2	7	3 10
St. Peter's Bay	King's.....	R. D. McCallum.....	.....	Nil.	.....	.....	Nil.	.....	.....	.....
Souris.....	King's.....	Jas. Moynagh.....	17	10	11 50	25	22	42	32	30 60	
Summerside	Prince.....	C. W. Strong	17	7	10 60	.....	Nil.	17	7	10 60
Tignish.....	Prince.....	Geo. Corroy, acting .....	.....	Nil.	.....	.....	Nil.	.....	.....	.....
West Cape.....	Prince.....	Charles Stewart.....	.....	Nil.	.....	.....	Nil.	.....	.....	.....

BRITISH COLUMBIA.

Burrard Inlet	N. Westminster.....	Isaac Johas.....	18	33	18 90	50	31 00	50	49 90
Victoria	Victoria.....	W. Hamley.....	19	5	11 00	25	10 50	25	21 50
						32			83
									30

WM. SMITH,
Deputy Minister of Marine.

DEPARTMENT OF MARINE AND FISHERIES,
OTTAWA, 1st January, 1880.

APPENDIX No. 54.

LIST of Persons to whom Rewards have been granted by the Government of the Dominion of Canada, from 1st January to 31st December, 1879, for gallant and humane services rendered in Saving Life from ship-wrecked Canadian Vessels, or by British or Foreign Governments for similar services in Saving Life from ship-wrecked British and Foreign Vessels for same period.

Names and Designations of Persons.	Nature of Service rendered.	Date of Service rendered.	Description of Rewards granted.
The crew of the fishing boat "Pattern," of Barbadoes.	Rescuing the captain and five men of the abandoned schooner "Maroon," of Shelburne, N.S.	Jan. 25, 1879	Thanks of the Government.
Capt. Thomas Carroll, Master of barque "Romo," of Halifax, N.S.	Rescuing the mate and one seaman of the schooner "Moero," of Yarmouth, N.S., which foundered at sea.	Dec. 15, 1878	do do
Captain George Michand, of the brigantine "Star of Quebec."	Rescuing 2 seamen belonging to the schooner "Lizzie C. Clark," of Gloucester, Mass., who were out in a dory in a dense fog, and became separated from their vessel.	June 23, 1876	Thanks of United States Government
Captain C. A. Ponte, Master of Danish steamer "Harold," Chief Mate, and Ole Nielsen Christensen, Niell Peter Sorensen, Hans Christian Johansen, Lars Larsen.	For services rendered to the crew of the schooner "A Seaman," which being waterlogged, foundered and was abandoned.	Jan. 5, 1879	Gold watch, value £15 stg., to the captain; silver watch, value £6 stg., to the mate; \$10 to each seaman.
Captain Harvey Oliver and Aben Oliver, two fishermen residing at South Bristol, Maine.	Rescuing the only survivor of the schooner "Charlie Bell," of St. John, N.B., which became a total wreck on Thumb Cap Island.	Dec. 22, 1878	Thanks of the Government and \$10 each.
Captain Frederick Uffen, Master of German brig "Minerva."	For taking off and bringing to Havre, master and crew of the abandoned ship "Dunsyre," of Yarmouth, N.S.	Jan. 30, 1879	Thanks of the Government.
Captain F. P. Taber, Master of the American barque "Sunbeam."	For taking off from a rock at Inaccessible Island to the south of Tristan d'Acunha, the captain and eight seamen belonging to the shipwrecked ship "Batavia," of Quebec, subsequently saving the captain's wife, two children, and portion of crew not drowned, with the long-boat.	March 10, 1879	Gold watch, value £20 stg., with chain.
Captain Nicolo Aste, Master of the "Franceschim S," of Genoa.	For services to shipwrecked crew of the schooner "Daniel Norton, jun.," of Digby, N.S.	April 5, 1879	Thanks of the Government.
Captain Englebert Ahrens, Master of the German ship "Lena;" D. Rowehl, 2nd Mate, and Fritz Monch, Andrew Gothe, J. H. Bosche, seamen.	Rescuing the captain and crew at sea of the sinking barque "Canada West," of St. John, N.B.	Feb. 14, 1879	Binocular glass, value \$36 to captain; \$12 to second mate, and \$8 to each seaman.

List of Persons to whom Rewards have been granted, &c.—Continued.

Names and Designations of Persons.	Nature of Service rendered.	Date of Service rendered.	Description of Rewards Granted.
Captain Edmund Leckie, Master of the ship "Empire," of Boston, Mass.	Rescuing captain and crew of the brig "La Plata," of St. John, N.B., abandoned at sea.	Dec. 31, 1878	Thanks of the Government.
Captain Wm. A. Peterson, Master of the American Barque "Essex"; David Taylor, 2nd Mate; Daniel Desmond, James Brown, George Molloy and John Rhodes, seamen.	Remaining by the distressed and sinking barque "Viking," of Charlottetown, P.E.I., during the night, and subsequently rescuing the crew.	Feb. 23, 1879	Binocular glass, value \$36, to captain; \$12 to 2nd mate; \$8 to each seaman.
Captain W. H. Winsor, Master of the Brigantine "Brunette," of St. John's Newfoundland; Robert Stephenson, boatswain; Michael Wall and Bryan Roach, seamen.	For saving at sea the Captain and crew of the wrecked ship "Thomas E. Kenney," of Maitland, N.S.	Jan. 19, 1879	Binocular glass, value \$30, to captain; silver watch, value \$30, to boatswain; \$15 to each seaman.
— Soudois, a boatman; — Torssier, a seaman, and Gamand, a shipbuilder.	For bringing in from Cordouan to Royan the Master and five seamen of the wrecked "Gunhilda," of Pictou, N.S.	Jan. 12, 1879	\$15 to Mr. Soudois; \$10 to each of the two other men, one of whom refused accepting the reward.
Captain Gustav Meyer, Master of the German steamer "Ohio"; Dredrick Kohlenbeck, chief officer; Carl Cattemole, 2nd boatswain; Heinrich Maas, quartermaster; Ed. Basmer and Itina Hiebenger, seamen.	Rescuing the Master and four of the crew of the schooner "Selina E," of Annapolis, N.S., capsized on the Atlantic Ocean, about 500 miles from Cape Henry.	April 3, 1879	Silver watch, value \$30 to chief officer; \$10 to each of the others.
Captain G. M. Curry, Master of the "Mary S. Gibson," of St. John, N.B.	Rescuing crew of the abandoned barque "Ada Barton," of St. John, N.B.	April 27, 1879	Thanks of the Government.
Captain Daniel Olson, Master of the Norwegian barque "Dronning Louise"; K. Pederson, 2nd Mate; Emil Norberg, seaman.	Rescuing eight of the crew of the abandoned and shipwrecked schooner "Sissiboo," of Weymouth, N.S.	Jan. 5, 1879	Binocular glass to captain, value £3 7s 6d stg.; \$10 to each seaman.
Captain Brodahl, Master of Norwegian barque "Niord."	Rescuing captain and crew of wrecked ship "Seaforth," of Halifax, N.S.	May 11, 1879	Thanks of the Government.
Captain Wm. W. Sparks, Master of American vessel "Castilia."	Rescuing Master and crew of the wrecked brigantine "Annie Murchie," of St. John, N.B.	June 24, 1879	Binocular glass, value \$25.
Captain Schiappasse, Master of the barque "Guisippina Oneta," of Genoa.	For services to wrecked crew of the ship "Andrew Lovitt," of Yarmouth, N.S.	Jan. 25, 1879	Binocular glass, value £5 stg.
S. I. Engelbart, Master of the Norwegian barque "Sommeren."	Rescuing the wrecked crew of the schooner "Katie," of Charlottetown; P.E.I.	April 23, 1879	Thanks of the Government.
Captain Marco Vecarith, of the Austro-Hungarian barque "Isaac."	Rescuing the wrecked crew of the "Anglo," of St. John, N.B.	Sept. 16, 1878	Gold watch, value £15 stg.

List of Persons to whom Rewards have been granted, &c.—*Continued.*

Name and Designations of Persons.	Nature of Service rendered.	Date of Service rendered.	Description of Rewards Granted.
James Fleming, R. Fleming, John Smith, Wm Connors, Steward Gilkie, of the brigantine "Wilhelmina."	Rescuing the wrecked crew of the barque "Chebucto," at Ketch Harbor.	May 8, 1878	Thanks of the Government and \$10 to each seaman.
Captain Albion Pinkham, of the American barque "S. R. Lyman," of Yarmouth, Maine; Jos. W. Bucknam, Mate; A. T. Hermansen, P. T. Swenburg, Sala Hansen, P. E. Lindeth, seamen.	Rescuing the wrecked crew of the "Freddie C. Ebbitt," of St. John, N.B., abandoned at sea.	Oct. 6, 1878	Binocular glass to captain, of the value of £3 7s 6d stg.; silver watch to mate, value £6 stg.; \$8 to each of the seamen.
Captain E. P. Larsen, of the Norwegian ship "E. B. Palmer."	Services to the wrecked crew of the "Advocate," of Windsor, N.S.	June 11, 1878	Gold watch, value £20 stg.
Captain Fanning, of the schooner "Wm. Hayes," of Halifax, N.S.; Jas. Smith, Mate; Edward Rogers, Frederick Nelson, seamen.	Rescuing wrecked crew of the brigantine "Bismarck," of Londonderry, N.S., abandoned at sea.	Oct. 7, 1878	Thanks of the Government to captain; \$10 to mate; \$8 to each seaman.
Captain P. N. Harbye, Master of the Danish ship "Anna Maria," and Lars Chr. Moller, Mate; Hans Peter Hansen, Lars Nielson, seamen.	Rescuing wrecked crew of the schooner "Manomet," of Yarmouth, N.S.	.....	Thanks of the Government to captain; silver watch to mate, value £6 stg.; \$10 to each seaman, with letter of thanks.
Captain Bates, of the American ship "Thomas Turrell."	Services to the wrecked crew of the "Maroon" of Shelburne, N.S.	Jan. 19, 1879	Thanks of the Government.

SUPPLEMENT No. 2
TO THE ELEVENTH ANNUAL REPORT OF THE
MINISTER OF MARINE AND FISHERIES
FOR THE YEAR 1879.

STATEMENTS

CONNECTED WITH THE REPORT

OF THE

COMMISSIONER OF FISHERIES

FOR THE YEAR 1879.



PRODUCE AND VALUE OF THE CANADIAN FISHERIES.

The total value of the productions of the Fisheries of Canada in 1879 is \$13,529,254.91. The value for the preceding year amounted to \$13,215,678.83; an increase of \$313,576.08.

COMPARATIVE STATEMENT

Of Production in each Branch of Fishing within the respective Provinces of the Dominion of Canada, in 1878 and 1879.

PROVINCE OF NOVA SCOTIA.

Kinds of Fish.	1878.		1879.	
	Quantity.	Value.	Quantity.	Value.
		\$ cts.		\$ cts.
Codfish..... cwt.	527,640	2,242,470 00	576,101	2,448,429 25
Herrings..... brls.	130,219	520,876 00	129,763	519,052 00
do Smoked..... boxes.	7,165	1,791 25	32,840	8,210 00
Mackerel..... brls.	129,698	1,296,980 00	101,559	1,015,590 00
do Preserved..... cans.	70,875	10,631 25	27,000	4,050 00
Haddock..... cwt.	100,867	353,034 50	126,542	442,897 00
Pollack..... "	41,517	145,309 50	35,019	122,566 50
Hake..... "	38,266	133,931 00	41,194	144,179 00
Halibut..... lbs.	692,866	41,571 96	917,550	55,053 00
Salmon, Pickled..... brls.	1,107	16,605 00	1,091	16,365 00
do Fresh, in ice..... lbs.	350,344	52,551 60	271,836	40,775 40
do Smoked..... "	26,880	4,032 00	27,828	4,173 90
do Preserved..... cans.	54,680	8,202 00	17,248	2,587 20
Alewives..... brls.	5,728	20,083 00	9,409	32,931 50
Trout..... lbs.	66,620	3,997 20	77,075	4,624 50
Smelts..... "	288,155	17,289 30	180,970	10,858 20
Shad..... brls.	7,245	57,960 00	11,142	89,136 00
Eels..... "	2,020	18,180 00	1,732	15,588 00
Bass..... lbs.	8,000	480 00	10,400	624 00
Oysters..... brls.	918	2,754 00	1,067	3,201 00
Lobsters..... cans.	5,574,092	836,113 80	3,182,276	477,341 40
Fish Guano..... tons.	810	12,600 00	1,091	16,365 00
Fish used as Manure..... brls.	10,115	5,052 50	12,735	6,362 50
Cod Tongues and Sounds..... "	922	6,454 00	1,111	7,777 00
Fish Oils..... galls.	329,984	214,489 60	357,029	228,168 85
Fresh fish sold in Digby County.....		6,480 00		6,383 00
do Guysboro' County.....		15,803 00		1,720 00
do Halifax do.....		34,878 28		
do Inverness do.....				
do Lunenburg do.....		11,500 00		
do Shelburne do.....		25,000 00		23,000 00
do Victoria do.....		11,125 00		
do Queens do.....		3,236 00		4,927 00
do Stewiacke..... do.....		137 00		
Total.....		6,131,599 64		5,752,936 20

COMPARATIVE STATEMENT —Continued.

PROVINCE OF NEW BRUNSWICK.

Kinds of Fish.	1878.		1879.	
	Quantity.	Value.	Quantity.	Value.
		\$ cts.		\$ cts.
Godfish.....	cwt. 68,270	290,147 50	63,872	271,456 00
Herrings.....	brls. 111,491	445,964 00	120,815	483,260 00
do smoked.....	boxes. 610,300	152,575 00	685,205	171,301 25
Mackerel.....	brls. 9,080	90,800 00	10,880	108,800 00
do preserved.....	cans. 43,814	6,572 10	39,176	5,876 40
Haddock.....	cwt. 9,863½	34,522 60	12,722½	44,528 75
Pollock.....	" 18,027	63,094 50	20,158	70,553 00
Hake.....	" 61,419	214,966 50	67,842	237,447 00
Halibut.....	lbs. 147,190	8,825 40	287,000	17,220 00
Salmon, pickled.....	brls. 112	1,680 00	65	975 00
do fresh, in ice.....	lbs. 1,530,021	229,503 15	1,478,162	221,724 30
do smoked.....	" 56,020	8,403 00	47,700	7,155 00
do preserved.....	cans. 155,331	23,299 65	97,480	24,370 00
Alewives.....	brls. 8,936	44,680 00	13,522	67,610 00
Trout.....	lbs. 59,480	3,568 80	47,940	2,878 40
Smelts.....	" 2,426,952	72,808 56	1,582,008	47,460 24
Shad.....	brls. 4,747	37,916 00	3,466	27,728 00
Eels.....	" 1,356	12,204 00	856	7,704 00
Bass.....	lbs. 259,553	15,573 18	152,908	9,174 48
Oysters.....	brls. 11,270	33,810 00	9,420	28,260 00
Lobsters, preserved.....	cans. 2,759,711	413,956 65	4,013,939	602,090 85
Fish guano.....	tons. 1,095	16,425 00	659	9,885 00
Fish used as manure.....	brls. 6,400	3,200 00	5,310	2,655 00
Cod Tongues and Sounds.....	" 433	3,031 00	383	2,681 00
Fish Oils.....	galls. 120,314	78,204 10	126,047	81,930 55
Total.....		2,305,790 69		2,554,722 22

PROVINCE OF QUEBEC.

Summer Cod-fishing.....	qntls. 292,936	1,464,680 00	391,865	1,567,830 00
Autumn do.....	" 53,983	269,915 00	65,388	315,882 00
Herrings, pickled.....	brls. 22	5 50	1,009	252 25
do smoked.....	boxes. 11	55 00	35	105 00
do fresh-water.....	brls. 8,659	86,590 00	7,552½	60,420 00
Mackerel.....	brls. 5,136	770 40		
do preserved in cans.....	lbs. 666	3,330 00	513	2,052 00
Haddock.....	qntls. 25	125 00	187½	750 00
Ling.....	" 286	1,716 00	279	1,674 00
Halibut.....	brls. 2,729	32,748 00	1,002	12,024 00
Salmon, pickled.....	" 489,786	24,489 30	684,651	34,232 55
do fresh, in ice.....	lbs. 12,024	12,024 00	8,733	8,733 00
do smoked.....	pieces. 139,574	20,936 10	1,260	120 00
do preserved in cans.....	lbs. 4,045	1,011 25	17,605	2,640 00
Winnonish.....	pieces. 134	1,072 00	10,565	2,611 25
Trout (sea).....	brls. 509,740	40,779 20	147	1,176 00
do speckled and grey.....	lbs. 523	4,784 00	585,350	29,267 50
Sturgeon.....	brls. 9,017	18,034 00	1,020	5,100 00
Bar and Whitefish.....	doz. 1,560	780 00	11,328	22,256 00
Bar Fish.....	pieces. 27,033	2,703 30	778	389 00
Shad.....	" 4,905	24,525 00	55,385	5,538 50
Sardines.....	brls. 17	170 00	3,511	10,533 00
Eels.....	" 372,376	37,237 60	15	105 00
do.....	pieces. 1,614	16,140 00	393,833	39,383 30
Bass.....	brls. 1,614	16,140 00	1,085	8,680 00

COMPARATIVE STATEMENT—Continued.

PROVINCE OF QUEBEC—Concluded.

Kinds of Fish.	1878.		1879.	
	Quantity.	Value.	Quantity.	Value.
		\$ cts.		\$ cts.
Pike..... brls.	1,148	11,480 00	868	6,944 00
Pickarel..... "	2,272	22,720 00	668	5,344 00
Tom Cod..... bush.	25,000	12,500 00	22,000	11,000 00
Tunny..... brls.				
Small and Mixed Fish..... "	3,762	1,876 00	2,671	3,598 25
Mixed Fish..... "	16,810	84,050 00	14,994	59,976 00
Maskinongé..... pieces.	880	1,760 00	1,124	1,124 00
Shark..... "				
Seal Skins..... "	28,007	35,008 75	29,500	2,950 00
Porpoise Skins..... "	103	412 00	255	1,020 00
Lobsters, Preserved, in cans..... lbs.	780,120	117,018 00	775,289	116,293 00
do Fresh..... "				
Fish used as Manure..... brls.			6,407	1,601 75
Fish and Clams used as Bait and Manure..... "	102,145	93,827 50	148,753	148,753 00
Fish used for Local Consumption... brls.	10,921	43,684 00	20,356	81,424 00
Cod Tongues and Sounds..... "	242	2,178 00	142½	1,282 00
Seal Oil..... galls.	127,848	63,924 00	118,332	59,166 00
Porpoise Oil..... "	10,104	8,083 20	5,617	2,808 50
Whale Oil..... "	5,600	2,800 00	8,015	4,007 50
Cod Oil..... "	212,160	106,080 00	301,159	150,579 50
Total.....		2,664,055 30		2,820,395 45

PROVINCE OF ONTARIO.

Whitefish..... brls.	4,061	40,610 00	3,070	30,700 00
do..... lbs.	1,160,200	58,010 00	1,934,800	96,740 00
do..... pieces.	722,300	72,250 00	241,800	24,180 00
Trout..... brls.	5,631	56,910 00	6,491	64,910 00
Herrings..... "	8,762	43,810 00	9,860	39,440 00
Scoos..... "	822	4,110 00	650	2,600 00
Maskinongé..... "	1,801	9,005 00	2,549	12,745 00
Bass..... "	2,701	13,505 00	3,026	15,130 00
Pike..... "	1,073	5,365 00	1,286	6,430 00
Pickarel..... "	3,095	15,475 00	2,814	14,070 00
Coarse Fish..... "	7,268	29,072 00	8,166	32,664 00
Fish used for Local Consumption... "			6,781	27,124 00
Total.....		348,122 00		367,133 00

PROVINCE OF PRINCE EDWARD ISLAND.

Codfish..... cwt.	13,625	54,500 00	35,459	141,836 00
Herrings..... brls.	13,570	54,280 00	24,079	96,316 00
Mackerel..... "	36,482	291,856 00	70,085	560,680 00
do Preserved..... lbs.	1,200	120 00	27,338	2,733 80
Haddock..... "	111,504	3,345 12	203,300	6,099 00
Hake..... cwt.	11,708	35,124 00	16,332	48,996 00
Salmon, pickled..... brls.	27	270 00		
do Fresh, in ice..... lbs.	7,313	438 78	6,805	408 30
Alewives..... brls.	1,366	4,781 00	1,427	4,994 50
Halibut..... "	2,255	135 30	3,700	222 00
Trout..... "	25,985	1,559 10	16,980	1,018 80
Smelts..... "	3,100	186 00	24,400	1,464 00

COMPARATIVE STATEMENT—Continued. *

PROVINCE OF PRINCE EDWARD ISLAND—Concluded.

Kinds of Fish.	1878.		1879.	
	Quantity.	Value.	Quantity.	Value.
		\$ cts.		\$ cts.
Bass..... brls.	1,182	70 92	3,700	222 00
Eels..... "	36	216 00	309	1,854 00
Oysters..... "	17,902	53,708 00	18,145	54,435 00
Lobsters, preserved..... lbs.	1,649,800	329,960 00	2,272,825	464,565 00
Cod Tongues and Sounds..... brls.	474½	5,219 50	.....	.....
Fish Oils..... galls.	9,053	4,526 50	22,156	11,078 00
Fish used as Manure..... brls.	100	50 00	7,700	3,850 00
Hake (including Cod Sounds)..... lbs.	.....	.....	18,215	10,929 00
Fish Guano..... tons.	.....	.....	40	800 00
Total.....	.....	840,344 22	.....	1,402,301 40

PROVINCE OF BRITISH COLUMBIA.

Salmon, pickled..... brls.	5,465	43,720 00	2,159½	17,276 00
do in kits..... "	.....	.....	45	135 00
do Preserved, in cans..... lbs.	5,452,880	736,138 80	2,932,464	395,882 64
do Smoked..... "	16,741	1,339 28	22,500	1,800 00
do do..... \$	.....	800 00	.....	750 00
do Fresh..... lbs.	.....	.....	15,000	7,500 00
Herrings, pickled..... brls.	.....	.....	20	80 00
do Smoked..... "	25	250 00	24	240 00
do not enumerated..... \$	.....	1,200 00	.....	1,250 00
Sturgeon, preserved..... lbs.	.....	.....	.....	.....
Mixed Fish other than Salmon..... brls.	50	300 00	.....	.....
Haddock, dry..... \$	.....	100 00	.....	150 00
Halibut, fresh, in ice..... "	.....	3,000 00	.....	7,220 00
Ooláhan, pickled..... brls.	118	944 00	425	3,400 00
Sea Otter Skins..... "	.....	.....	140	5,600 00
Seal Skins..... pieces	9,593	43,168 50	3,000	1,500 00
Fur Seals..... "	.....	.....	12,500	100,000 00
Dog-fish, Seal and Porpoise Oil..... galls.	150,516	60,206 40	104,475	41,790 00
Ooláhan Oil..... "	1,800	1,800 00	250	250 00
Dog-fish Oil, in tins..... "	.....	.....	12,780	1,500 00
Herring Oil..... "	2,000	1,000 00	5,000	2,500 00
Fresh Fish sold in markets..... \$	.....	30,000 00	.....	35,000 00
Fish Guano..... tons.	.....	.....	19	114 00
Fish cured for home consumption..... \$	.....	2,000 00	.....	2,000 00
Total.....	.....	925,766 98	.....	631,766 64

NOTE.—Computation of home consumption of Fish by the Indians of British Columbia, in 1879, exclusive of European supply:—

Population of 35,000 throughout; computed average annual consumption per head, fresh and dried—Salmon, 500—17,500,000 lbs. at 25c.....	\$ 4,375,000
Population of coast Indians (included above), 20,000, who consume on an average at least 150 lbs. each of Halibut—3,000,000 lbs. at 6c.....	180,000
Sturgeon on Fraser River, Trout, Herring and other fish, throughout.....	250,000
Ooláhan and other Oils on coast, say 10 galls. each—200,000 galls. at 40c...	80,000

Total..... \$ 4,885,000

COMPARATIVE STATEMENT—Continued.

RECAPITULATION.

Provinces.	Value.	
	1878.	1879.
	\$ cts.	\$ cts.
Nova Scotia	6,131,599 64	5,752,936 20
New Brunswick	2,305,790 69	2,554,722 22
Quebec	2,664,055 30	2,820,395 45
Ontario	348,122 00	367,933 00
Prince Edward Island	840,344 22	1,402,301 40
British Columbia	925,766 98	*631,766 64
Total	13,215,678 83	13,529,254 91 13,215,678 83
Increase .....	.....	313,576 08

* See note at foot of preceding page.

FISH TRADE.

The statements herewith, compiled from the Trade Returns, show that the value of fish exported during the fiscal year ended 30th June, 1879, was \$7,072,203, against \$6,929,366 in 1878, being an increase of \$142,837.

For the half year ended 31st December, 1879, the value of fish exported amounted to \$4,197,322, against \$4,846,566 during the same period in 1878.

STATEMENT showing the Quantity and Value of Fish and Products of Fish Exported from the Dominion of Canada to each Country during the Fiscal Year ending 30th June, 1879.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Codfish, Haddock, Ling and Pollock, dry salted..		Cwt.	\$	Cwt.	\$	Cwt.	\$
	Great Britain	32,110	134,192	.....	.....	32,110	134,192
	United States.....	67,916	193,113	.....	.....	67,916	193,113
	Newfoundland....	3,324	12,236	.....	.....	3,324	12,236
	British W. Indies	267,137	1,071,998	.....	.....	267,137	1,071,998
	Spanish W. Indies	212,799	828,976	.....	.....	212,799	828,976
	French W. Indies	51,605	170,558	.....	.....	51,605	170,558
	Danish W. Indies	6,096	31,873	10	55	6,106	31,928
	Hayti	965	4,498	.....	.....	965	4,498
	British Guiana....	36,187	152,897	.....	.....	36,187	152,897
	Dutch Guiana....	90	402	.....	.....	90	402
	South America....	69,320	336,509	.....	.....	69,320	336,509
	Spain.....	35	220	.....	.....	35	220
Portugal	22,109	102,685	.....	.....	22,109	102,685	
Italy.....	35,326	146,053	.....	.....	35,326	146,053	
Madeira	1,870	9,121	.....	.....	1,870	9,121	
		806,889	3,195,331	10	55	806,899	3,195,386
do Wet salted....	Great Britain.....	11	22	.....	.....	11	22
	United States.. .	88	410	.....	.....	88	410
	British Guiana....	60	190	.....	.....	60	190
		159	622	.....	.....	159	622
do Pickled.....	United States....	Brls.	820	.....	.....	Brls.	820
	British W. Indies	60	342	.....	.....	60	342
		327	1,162	.....	.....	327	1,162
Mackerel, fresh....	United States....	Lbs.	4,641	.....	.....	Lbs.	4,641
		92,486		.....	.....	92,486	
do Preserved....	Great Britain.....	4,080	337	.....	.....	4,080	337
do Pickled.....	Great Britain.....	Brls.	2,936	.....	.....	Brls.	2,936
	United States.....	87,504	563,158	7,151	67,444	94,655	630,602
	British W. Indies	26,027	131,296	.....	.....	26,027	131,296
	Spanish W. Indies	20,570	81,812	.....	.....	20,570	81,812
	French W. Indies	2,666	9,809	.....	.....	2,666	9,809
	Danish W. Indies	1,802	9,045	2	20	1,804	9,065
	Hayti	180	852	.....	.....	180	852
	British Guiana....	2,001	10,380	.....	.....	2,001	10,380
	Dutch Guiana....	3	12	.....	.....	3	12
	Madeira	1	4	.....	.....	1	4
		141,365	809,304	7,153	67,464	148,518	876,768

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Lbs.	\$		\$	Lbs.	\$
Halibut, smoked ...	United States....	500	65	.....	.....	500	65
	French W. Indies	160	21	.....	.....	160	21
		660	86	.....	.....	660	86
Herring, fresh		Lbs.				Lbs.	
	United States....	1,596,900	7,556	.....	.....	1,596,900	7,556
do Pickled.....		Brls.		Brls.		Brls.	
	Great Britain ...	183	544	90	414	273	958
	United States....	37,879	119,569	2,964	10,754	40,843	130,323
	Newfoundland...	46	186	.....	.....	46	186
	British W. Indies	45,243	171,193	.....	.....	45,243	171,193
	Spanish W. Indies	21,848	71,339	23	102	21,871	71,441
	French W. Indies	2,853	8,449	.....	.....	2,853	8,449
	Danish W. Indies	2,439	7,375	.....	.....	2,439	7,375
	Hayti.....	25	75	.....	.....	25	75
	British Guiana...	2,766	11,016	5	15	2,771	11,031
	Dutch Guiana ...	9	29	.....	.....	9	29
	St. Pierre.....	4	10	.....	.....	4	10
	France.....	60	150	.....	.....	60	150
	Madeira ...	160	525	.....	.....	160	525
		113,515	390,460	3,082	11,285	116,597	401,745
do Smoked		Lbs.		Lbs.		Lbs.	
	Great Britain ...	189,740	3,865	12,000	280	201,740	4,145
	United States....	3,314,663	39,124	1,000	15	3,315,663	39,139
	Newfoundland...	3,550	71	.....	.....	3,550	71
	British W. Indies	75,618	1,948	.....	.....	75,618	1,948
	Spanish W. Indies	5,415	117	.....	.....	5,415	117
	French W. Indies	75,927	2,283	.....	.....	75,927	2,283
	Danish W. Indies	14,000	408	.....	.....	14,000	408
	Hayti.....	6,500	170	.....	.....	6,500	170
	British Guiana...	3,400	101	.....	.....	3,400	101
	St. Pierre.....	2,260	48	30	6	2,290	54
	France.....	11,810	231	.....	.....	11,810	231
	Portugal.....	2,400	110	.....	.....	2,400	110
Madeira	11,585	400	.....	.....	11,585	400	
Canary Islands..	4,500	92	.....	.....	4,500	92	
		3,721,368	48,968	13,030	301	3,734,398	49,269
Sea Fish, other, fresh.....							
	Great Britain		91	.....	.....		91
	United States....		16,246	.....	.....		16,246
			16,337	.....	.....		16,337

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Sea Fish, other, pickled.....		Brls.	\$	Brls.	\$	Brls.	\$
	Great Britain.....	425	1,391	.....	.....	425	1,391
	United States.....	2,980	18,873	32	252	3,012	19,130
	British W. Indies	2,228	9,692	.....	.....	2,228	9,692
	Spanish W. Indies	252	919	.....	.....	252	919
	Danish W. Indies	28	130	.....	.....	28	130
	Hayti.....	100	530	.....	.....	100	530
British Guiana...	57	320	.....	.....	57	320	
		6,070	31,860	32	252	6,102	32,112
do Preserved...		Lbs.				Lbs.	
	Great Britain...	8,400	875	.....	.....	8,400	875
	United States.....	2,160	216	.....	.....	2,160	216
	British W. Indies	1,960	200	.....	.....	1,960	200
	Australia.....	432	54	.....	.....	432	54
		12,952	1,345	.....	.....	12,952	1,345
Oysters, fresh.....		Brls.				Brls.	
	Great Britain...	107	192	.....	.....	107	192
	United States...	17	49	.....	.....	17	49
	Newfoundland...	240	434	.....	.....	240	434
	St. Pierre.....	45	75	.....	.....	45	75
		409	750	.....	.....	409	750
do Canned.....		Lbs.		Lbs.		Lbs.	
	United States.....	10,425	1,826	.....	.....	10,425	1,826
	British W. Indies	48	6	.....	.....	48	5
	Newfoundland...	.....	.....	168	10	168	10
	Danish W. Indies	48	7	.....	.....	48	7
		10,521	1,838	168	10	10,689	1,848
Lobsters, fresh.....		Brls.				Brls.	
	United States.....	301	579	.....	.....	301	579
do Preserved...		Lbs.		Lbs.		Lbs.	
	Great Britain...	8,056,570	841,941	402,528	37,187	8,459,098	879,128
	United States.....	2,011,195	210,809	106,208	11,647	2,117,403	222,456
	British W. Indies	49,027	6,947	.....	.....	49,027	6,947
	Spanish W. Indies	48	6	.....	.....	48	6
	French W. Indies	340	35	.....	.....	340	35
	Danish W. Indies	60	8	.....	.....	60	8
	South America...	384	96	.....	.....	384	96
	Germany.....	45,500	5,754	.....	.....	45,500	5,754
	France.....	294,258	36,786	.....	.....	294,258	36,786
	Italy.....	240	120	.....	.....	240	120
	St. Pierre.....	96	10	.....	.....	96	10
Australia.....	13,920	1,448	.....	.....	13,920	1,448	
		10,471,638	1,103,960	508,736	48,834	10,980,374	1,152,794

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Brls.	\$	Brls.	\$	Brls.	\$
Bait	Great Britain.....	162	648	.....	.....	162	648
	United States.....	5	25	20	90	25	115
	St. Pierre.....	233	881	.....	.....	233	881
		400	1,554	20	90	420	1,644
Salmon, fresh.....		Lbs.		Lbs.		Lbs.	
	Great Britain.....	9,600	1,400	.....	.....	9,600	1,400
	United States.....	2,441,682	228,425	.....	.....	2,441,682	228,425
	British W. Indies	51	7	.....	.....	51	7
	Danish W. Indies	130	30	.....	.....	130	30
St. Pierre.....	.....	.....	96	14	96	14	
	2,451,463	229,862	96	14	2,451,559	229,876	
do Smoked.....		Lbs.				Lbs.	
	Great Britain.....	301	45	.....	.....	301	45
	United States.....	24,979	2,701	.....	.....	24,979	2,701
	British W. Indies	675	90	.....	.....	675	90
Danish W. Indies	690	82	.....	.....	690	82	
	26,545	2,918	.....	.....	26,545	2,918	
do Canned.....		Lbs.		Lbs.		Lbs.	
	Great Britain.....	3,187,774	400,265	9,200	1,360	3,196,974	401,625
	United States.....	1,354,090	165,344	.....	.....	1,354,090	165,344
	British W. Indies	648	105	.....	.....	648	105
	Newfoundland...	10,460	884	.....	.....	10,460	884
	Danish W. Indies	100	27	.....	.....	100	27
	South America...	8,610	1,080	.....	.....	8,640	1,080
Australia.....	403,296	47,112	.....	.....	403,296	47,112	
	4,965,008	614,817	9,200	1,360	4,974,208	616,177	
do Pickled.....		Brls.		Brls.		Brls.	
	Great Britain.....	16	146	.....	.....	16	146
	United States ...	5,483	55,080	924	9,532	6,407	64,612
	British W. Indies	1,347	14,617	.....	.....	1,347	14,617
	Newfoundland...	3	30	.....	.....	3	30
	Spanish W. Indies	63	650	.....	.....	63	650
	Danish W. Indies	78	456	.....	.....	78	456
	British Guiana...	147	1,474	.....	.....	147	1,474
	South America...	2	20	.....	.....	2	20
	Madeira.....	5	47	.....	.....	5	47
	Australia.....	274	2,293	.....	.....	274	2,293
	Sandwich Islan's	652	4,098	.....	.....	652	4,098
	8,070	78,911	924	9,532	8,994	88,443	
Fish, all other, fresh.....	United States.....	.....	133,206	.....	.....	.....	133,206
	Danish W. Indies	.....	16	.....	.....	.....	16
		.....	133,222	.....	.....	.....	133,222

STATEMENT showing the Value of Fish, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Fish, all other, pickled.	Great Britain....	Brls. 31	\$ 158	Brls.	\$	Brls. 31	\$ 158
	United States....	1,811	10,084	300	2,640	2,111	12,724
	British W. Indies	862	3,709	.....	.....	862	3,709
	Spanish W. Indies	3	19	12	80	15	99
	Danish W. Indies	8	42	.....	.....	8	42
	Australia.....	67	477	.....	.....	67	477
	Sandwich Isla'ds	8	62	.....	.....	8	62
		2,790	14,551	312	2,720	3,102	17,271
Fish Oil, Cod.....	Great Britain....	Galls. 61,240	26,305	Galls. 1,470	850	Galls. 62,710	27,155
	United States....	115,895	46,997	160	80	116,055	47,077
	Newfoundland...	2,608	1,304	160	150	2,768	1,454
	British W. Indies	3,371	1,326	.....	.....	3,371	1,326
	French W. Indies	90	35	.....	.....	90	35
	British Guiana...	1,530	538	.....	.....	1,530	538
			184,734	76,505	1,790	1,080	186,524	77,585
do Seal.....	Great Britain....	Galls. 21,645	10,410	.....	.....	Galls. 21,645	10,410
	United States....	221	103	.....	.....	221	103
	British Guiana...	328	134	.....	.....	328	134
			22,194	10,647	22,194	10,647
do Whale...	Great Britain....	Galls. 3,920	2,542	.....	.....	Galls. 3,920	2,542
	United States....	700	700	.....	.....	700	700
			4,620	3,242	4,620	3,242
do Other.....	Great Britain....	Galls. 120,834	34,059	.....	.....	Galls. 120,834	34,059
	United States....	21,994	6,610	.....	.....	21,994	6,610
	British W. Indies	356	106	.....	.....	356	106
	British Guiana...	402	150	.....	.....	402	150
			143,586	40,925	143,586	40,925
Furs and Skins of Marine Animals.	Great Britain....	.....	28,883	.....	300	.....	28,883
	United States....	.....	50	.....	.....	.....	50
	Newfoundland...	.....	760	.....	.....	.....	760
		.....	29,393	.....	300	.....	29,693
Other Articles the produce of the Fisheries.....	Great Britain....	.....	3,899	.....	.....	.....	3,899
	United States....	.....	72,806	.....	35	.....	72,841
	British W. Indies	.....	357	.....	.....	.....	357
	Spanish W. Indies	.....	49	.....	.....	.....	49
	Danish W. Indies	.....	77	.....	.....	.....	77
		.....	77,168	.....	35	.....	77,223

STATEMENT showing the Value of Fish, &c.,—Dominion of Canada—Continued.

RECAPITULATION.

COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		\$		\$		\$
Great Britain		1,494,846		40,391		1,535,237
United States		1,899,190		102,489		2,001,679
Newfoundland		15,905		160		16,065
British West Indies		1,413,938				1,413,938
Spanish West Indies		983,887		182		984,069
French West Indies		191,190				191,190
Danish West Indies		49,576		75		49,651
British Guiana		177,200		15		177,215
Dutch Guiana		443				443
South America		337,705				337,705
St. Pierre		1,024		20		1,044
France		37,167				37,167
Germany		5,754				5,754
Spain		220				220
Portugal		102,795				102,795
Italy		146,173				146,173
Madeira		10,697				10,697
Canary Islands		92				92
Australia		51,384				51,384
Sandwich Islands		4,160				4,160
Havii		6,125				6,125
Total		6,928,871		143,332		7,072,203
Total Exports of Fish in United States		1,899,190		102,489		2,001,679
Total Exports of Fish to other Countries		5,029,681		40,843		5,070,524
Grand Total		6,928,871		143,332		7,072,203

STATEMENT showing the Quantity and Value of Fish and Products of Fish Imported and Entered for Consumption in the Dominion of Canada from each country, also the Duty collected thereon, during the Fiscal Year ended 30th June, 1879.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
DUTIABLE GOODS.						
Fish, fresh, from Inland Waters	United States.....	Lbs. 9,888	\$ 430	Lbs. 9,888	\$ 430	\$ cts. 82 59
do Salted or smoked.....	Great Britain..... United States.... Belgium..... China.....	Lbs. 12,349 32,479 200 1,427	\$ 1,166 1,818 4 117	Lbs. 12,349 31,789 200 1,427	\$ 1,166 1,773 4 117	\$ cts. 123 49 318 34 2 00 14 70 458 53
do Oysters, in cans, fresh	United States.....	Lbs. 170	\$ 14	Lbs. 170	\$ 14	\$ cts. 2 45
do do Preserved..	United States.....	.....	1,326	.....	1,571	282 76
do Lobsters, preserved.....	Great Britain..... United States....	Lbs. 720 19,278	\$ 111 969	Lbs. 720 20,378	\$ 111 1,020	\$ cts. 20 81 186 55 207 36
do Other, preserved in oil..	Great Britain..... United States.... France..... China.....	..... ..... ..... .....	31,162 18,766 6,422 484	..... ..... ..... .....	31,927 17,061 5,634 666	5,658 28 3,011 05 996 87 119 88 9,786 08
do Oil (N.E.S)	Great Britain..... United States....	Galls. 305 3,476	\$ 452 2,622	Galls. 305 3,476	\$ 452 2,622	\$ cts. 79 10 472 74 551 84
do do Cod Liver, Medicated	Great Britain..... United States.... France..... Norway.....	Galls. 852 1,695 5 575	\$ 865 1,880 16 1,290	Galls. 638 1,691 5 389	\$ 736 1,867 16 996	\$ cts. 136 23 240 16 3 20 180 30 659 89
FREE.						
Ambergis	Great Britain.....	Lbs. 1	\$ 20	Lbs. 1	\$ 20	.....

STATEMENT showing the Quantity and Value of Fish, Imported, &c.—Dominion of
Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
FREE—Continued.						
Cod, Haddock, Ling and Pol- lock, fresh	United States.....	Lbs. 2,041,809	\$ 53,008	Lbs. 2,041,809	\$ 53,008	\$ cts.
do do Dry salted	United States.....	Qtx. 35,173	105,586	Qtx. 35,173	105,586	.....
	Labrador	2,700	10,800	2,700	10,800	.....
		37,873	116,386	37,873	116,386	.....
do do Wet salted	United States ...	Qtx. 61	99	Qtx. 61	99	.....
do do Pickled	United States.....	Brls. 169	911	Brls. 169	911	.....
do do Smoked	United States.....	Lbs. 829,086	44,136	Lbs. 829,086	44,136	.....
Halibut, fresh	United States.....	Lbs. 8,415	436	Lbs. 8,415	436	.....
do Pickled	United States ...	Brls. 17	74	Brls. 17	74	.....
Herring, fresh	United States.....	Lbs. 343,793	4,546	Lbs. 343,793	4,546	.....
do Pickled	Great Britain....	Brls. 6	26	Brls. 6	26	.....
	United States.....	1,464	4,195	1,464	4,195	.....
	St. Pierre.....	83	86	83	86	.....
	Labrador.....	100	415	100	415	.....
		1,653	4,722	1,653	4,722	.....
do Smoked	United States ...	Lbs. 293,922	9,055	Lbs. 293,922	9,055	.....
Mackerel, fresh	United States.....	Lbs. 5,897	432	Lbs. 5,897	432	.....
do Pickled	United States.....	Brls. 354	1,988	Brls. 354	1,988	.....
Sea Fish, other, fresh	United States.....	Lbs. 45,392	1,013	Lbs. 45,392	1,013	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
		Brls.	\$	Brls.	\$	\$ cts.
FREE—Continued.						
Sea Fish, other, pickled.....	United States.....	304	1,803	304	1,803	.....
do do Preserved.....	United States.....	Lbs. 46,071	2,434	Lb 46,071	2,434	.....
do Oysters, fresh, in shell.	United States....	Brls. 1,736	7,578	Brls. 1,736	7,578	.....
do do Fresh, in cans	United States.....	Lbs. 893,396	85,541	Lbs. 893,396	85,541	.....
do do Shelled, in bulk....	United States.....	Galls. 115,735	96,496	Galls. 115,735	96,496	.....
do Lobsters, Fresh	United States.....	Brls. 701	3,019	Brls. 701	3,019	.....
do do Fresh, in cans	United States.....	Lbs. 50,726	5,713	Lbs. 50,726	5,713	.....
do do Preserved, in cans	United States.....	Lbs. 14,783	2,311	Lbs. 14,783	2,311	.....
do Bait—Clams or other...	United States.....	Brls. 4,907	23,003	Brls. 4,907	23,003	.....
do Salmon, fresh.....	United States.....	Lbs. 28,242	2,407	Lbs. 28,242	2,407	.....
do do Smoked.....	United States.....	Lbs. 12,936	963	Lbs. 12,936	963	.....
do do Canned.....	United States.....	Lbs. 283,692	30,216	Lbs. 283,692	30,216	.....
do do Pickled.....	United States....	Brls. 54	558	Brls. 54	558	.....
Fish, all other, fresh.....	United States.....	.....	2,420	.....	2,420	.....
do do Pickled	United States.....	Brls. 31	138	Brls. 31	138	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
FREE—Concluded.		Galls.	\$	Galls.	\$	\$ cts.
Fish Oil,—Cod.....	United States....	81,773	28,056	81,773	28,056	.....
	Newfoundland...	186	93	186	93	.....
	Labrador.....	1,595	636	1,595	636	.....
		83,554	28,785	83,554	28,785	.....
do do Seal.....	United States....	Galls. 16,364	8,186	Galls. 16,364	8,186	.....
do do Whale.....	United States....	Galls. 1,810	939	Galls. 1,810	939	.....
do do Other.....	United States....	Galls. 45,818	16,806	Galls. 45,818	16,806	.....
Furs or Skins, undressed, the produce of Fish or Marine Animals.....	Great Britain....		54		54	.....
	United States....		8,850		8,850	.....
	British W. Indies		34		34	.....
	Newfoundland...		3,977		3,977	.....
			12,915		12,915	.....
Tortoise and other Shells.....	United States....		15		15	.....
Whalebone, unmanufactured..	United States....	Cwt. 4	712	Cwt. 4	712	.....
PRODUCE OF NEWFOUNDLAND.						
Fish and Products of Fish (not classified).....	Newfoundland...		477,248		477,248	.....
Fish Oil.....	Newfoundland...		75,996		75,996	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Concluded.

RECAPITULATION.

COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
	Dutiable.	Free.	Dutiable.	Free.	Amount Collected.
	\$	\$	\$	\$	\$ cts.
Great Britain.....	33,756	100	34,392	100	6,017 91
United States.....	27,825	553,643	26,358	553,643	4,696 64
Newfoundland.....		557,314		557,314	
France.....	6,438		5,650		1,000 07
Belgium.....	4		4		2 00
Norway.....	1,290		996		180 30
China.....	601		783		134 58
St. Pierre.....		86		86	
Labrador.....		11,851		11,851	
British West Indies.....		34		34	
Total	69,914	1,123,028	68,183	1,123,028	12,031 50
Total from United States.....	27,825	553,643	26,358	553,643	4,696 64
do Other Countries.....	42,089	569,385	41,825	569,385	7,334 86
Total	69,914	1,123,028	68,183	1,123,028	12,031 50
	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY COLLECTED
	\$	\$	\$	\$	\$ cts.
Total Dutiable.....	69,914		68,183		12,031 50
do Free.....		1,123,028		1,123,028	
Total Imports of Fish Products, for the year ending 30th June, 1879.....	1,192,942		1,191,211		12,031 50

STATEMENT showing the Quantity and Value of Fish and Products of Fish Exported from the Dominion of Canada, during the Six Months ending the 31st December, 1879.

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Codfish—including Haddock, Ling and Pollock, dry salted		Cwt.	\$		\$	Cwt.	\$
	Great Britain ...	36,991	153,747			36,991	153,747
	United States ...	62,241	157,436			62,241	157,436
	Newfoundland ...	6,222	27,249			6,222	27,249
	British W. Indies	145,072	512,666			145,072	512,666
	Spanish W. Indies	145,107	504,153			145,107	504,153
	French W. Indies	24,811	81,744			24,811	81,744
	Danish W. Indies	4,223	14,876			4,223	14,876
	Hayti	610	1,917			610	1,917
	British Guiana ...	16,686	62,092			16,686	62,092
	South America ...	52,228	303,323			52,228	303,323
	Portugal	21,601	87,016			21,601	87,016
	Italy	36,738	147,891			36,738	147,891
Madeira	968	3,909			968	3,909	
Austria	2,310	11,550			2,310	11,550	
		555,808	2,069,569			555,808	2,069,569
do Wet salted ..		Cwt.				Cwt.	
	Great Britain ...	4	28			4	28
	United States ...	230	465			230	465
		234	493			234	493
do Pickled		Brls.				Brls.	
	Great Britain ...	154	1,087			154	1,087
	United States ...	274	965			274	965
	British W. Indies	38	106			38	106
		466	2,158			466	2,158
Mackerel, fresh....		Lbs.				Lbs.	
	Great Britain ...	174	670			174	670
	United States ...	12,936	572			12,936	572
		13,110	1,242			13,110	1,242
do Canned		Lbs.				Lbs.	
	Great Britain ...	10,608	738			10,608	738
	United States ...	4,320	270			4,320	270
		14,928	1,008			14,928	1,008
do Pickled		Brls.		Brls.		Brls.	
	United States ...	72,568	316,173	268	1,520	72,836	317,693
	Newfoundland ...	150	412			150	412
	British W. Indies	13,952	61,440			13,952	61,440
	Spanish W. Indies	11,365	45,122			11,365	45,122
	French W. Indies	1,196	4,646			1,196	4,646
	Danish W. Indies	921	3,880			921	3,880
	Hayti	43	207			43	207
	British Guiana ...	2,536	10,969			2,536	10,969
	Portugal	2	13			2	13
	102,733	442,862	268	1,520	103,001	444,382	

STATEMENT showing the Quantity and Value of Fish Exported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Lbs.	\$		\$	Lbs.	\$
Halibut, fresh.....	United States.....	1,000	50			1,000	50
		Cwt.				Cwt.	
do Dry salted..	United States.....	25	100			25	100
		Lbs.				Lbs.	
do Smoked.....	United States.....	375	19			375	19
		Lbs.				Lbs.	
Herrings, fresh.....	United States.....	198,333	1,952			198,333	1,952
		Brls.		Brls.		Brls.	
do Pickled.....	Great Britain.....	2	6			2	6
	United States.....	26,702	83,909	194	751	26,836	84,660
	Newfoundland.....	1,102	3,205			1,102	3,205
	British W. Indies	18,945	69,829			18,945	69,829
	Spanish W. Indies	6,612	21,517			6,612	21,517
	French W. Indies	1,008	2,915			1,008	2,915
	Danish W. Indies	557	1,774			557	1,774
	Hayti.....	15	29			15	29
	British Guiana....	1,863	6,641			1,863	6,641
	Madeira.....	36	72			36	72
		56,842	189,897	194	751	57,036	190,648
		Lbs.				Lbs.	
do Smoked.....	Great Britain....	212,836	11,012			212,836	11,012
	United States.....	2,355,657	35,361			2,355,657	35,361
	Newfoundland.....	3,000	62			3,000	62
	British W. Indies	34,532	2,492			34,532	2,492
	Spanish W. Indies	21,416	683			21,416	683
	French W. Indies	10,656	889			10,656	889
	Danish W. Indies	12,010	389			12,010	389
	Hayti.....	5,000	40			5,000	40
	British Guiana....	1,969	134			1,969	134
	Portugal.....	2,500	73			2,500	73
	Madeira.....	600	12			600	12
		2,660,176	51,147			2,660,176	51,147
		Lbs.				Lbs.	
do Preserved....	United States.....	67,312	708			67,312	708
Sea Fish, other, fresh.....	United States....		8,779				8,779

STATEMENT showing the Quantity and Value of Fish Exported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Sea Fish, other, Pickled		Brls.	\$		\$	Brls.	\$
	Great Britain....	82	382	.....	.....	82	382
	United States....	3,501	22,389	.....	.....	8,501	22,389
	Newfoundland....	50	150	.....	.....	50	150
	British W. Indies	2,228	8,535	.....	.....	2,228	8,535
	Spanish W. Indies	196	803	.....	.....	196	803
	Danish W. Indies	45	195	.....	.....	45	195
	Hayti.....	30	120	.....	.....	30	120
	British Guiana...	239	860	.....	.....	239	860
			6,371	33,434	6,371	33,434
		Lbs.				Lbs.	
do Preserved....	Great Britain....	4,320	320	.....	.....	4,320	320
	United States....	1,440	120	.....	.....	1,440	120
		5,760	440	.....	.....	5,760	440
		Brls.				Brls.	
Oysters, fresh.....	Great Britain....	39	97	.....	.....	39	97
	United States....	17	31	.....	.....	17	31
	British W. Indies	2	6	.....	.....	2	6
	Newfoundland....	96	112	.....	.....	96	112
	St. Pierre.....	43	64	.....	.....	43	64
		197	310	.....	.....	197	310
		Lbs.				Lbs.	
do in cans.....	Great Britain....	480	109	.....	.....	480	109
		Brls.				Brls.	
Lobsters, fresh.....	Great Britain....	1	5	.....	.....	1	5
	United States....	157	189	.....	.....	157	189
		158	194	.....	.....	158	194
		Lbs.				Lbs.	
do Preserved	Great Britain....	4,210,147	447,248	340,596	33,652	4,550,743	480,900
	United States....	1,947,268	202,836	.....	.....	1,947,268	202,836
	British W. Indies	16,712	1,719	.....	.....	16,712	1,719
	British Guiana....	1,344	140	.....	.....	1,344	140
	South America....	5,760	720	.....	.....	5,760	720
	France.....	4,800	600	.....	.....	4,800	600
	Germany.....	32,000	3,955	.....	.....	32,000	3,955
	Belgium.....	2,620	200	.....	.....	2,620	200
	Portugal.....	480	45	.....	.....	480	45
	Madeira.....	960	120	.....	.....	960	120
		6,222,091	657,583	340,596	33,652	6,562,687	691,235

STATEMENT showing the Quantity and Value of Fish Exported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
			\$		\$		\$
Bait	Newfoundland.....		12				12
	St. Pierre.....		1,123				1,123
			1,135				1,135
		Lbs.				Lbs.	
Salmon, fresh.....	Great Britain.....	34,300	8,155			34,300	8,155
	United States.....	1,080,577	106,678			1,080,577	106,678
		1,114,877	114,833			1,114,877	114,833
		Lbs.				Lbs.	
do Smoked...	United States.....	19,217	2,174			18,274	2,174
	British W. Indies	310	33			31..	33
	Danish W. Indies	5	3			5	3
		19,532	2,210			19,532	2,210
		Lbs.				Lbs.	
do Canned....	Great Britain.....	2,510,780	264,894	113,878	2,671	2,624,658	267,565
	United States.....	337,194	33,183			337,194	33,183
	British W. Indies	48	6			48	6
	Danish W. Indies	50	6			50	6
	Portugal.....	24	4			24	4
	Madeira.....	960	120			960	120
	Africa.....	4,800	450			4,800	450
	Australia.....	36,000	3,750			36,000	3,750
		2,889,856	302,413	113,878	2,671	3,003,734	305,084
			Lbs.				Lbs.
do Pickled....	Great Britain.....	159	1,543			159	1,543
	United States.....	3,803	49,580	548	11,382	4,351	60,962
	British W. Indies	129	1,819			139	1,849
	Spanish W. Indies	78	296			78	296
	Danish W. Indies	22	315			22	315
	Portugal.....	2	22			2	22
	Australia.....	538	3,088			538	3,088
	Sandwich Isl'nds	15	150			25	150
		4,766	56,843	548	11,382	5,314	68,225
			Brls.				Brls.
Fish, all other, fresh.....	Great Britain.....		23				23
	United States.....		64,524				64,524
			64,547				64,547

STATEMENT showing the Quantity and Value of Fish Exported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES TO WHICH EXPORTED.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		Brls.	\$		\$	Brls.	\$
Fish, all other, Pickled.....	Great Britain.....	100	499	.....	.....	100	499
	United States.....	374	1,660	.....	.....	374	1,660
	British W. Indies	85	670	.....	.....	85	670
	Spanish W. Indies	2	18	.....	.....	2	18
			561	2,847	561	2,847
Fish Oil, Cod.....		Galls.				Galls.	
	Great Britain.....	21,234	8,520	.....	.....	21,234	8,520
	United States.....	179,612	58,869	.....	.....	179,612	58,869
	Newfoundland...	4,700	2,010	.....	.....	4,700	2,010
		205,546	69,399	.....	.....	205,546	69,399
do Seal.....		Galls.				Galls.	
	Great Britain.....	32,395	13,156	.....	.....	32,395	13,156
	United States.....	201	70	.....	.....	201	70
		32,596	13,226	.....	.....	32,596	13,226
do Other ...		Galls.				Galls.	
	Great Britain.....	200	110	.....	.....	200	110
	United States.....	1,713	747	.....	.....	1,713	747
	St. Pierre.....	45	9	.....	.....	45	9
		1,958	866	.....	.....	1,958	866
Furs and Skins of Marine Animals.	Great Britain.....	.....	12,015	.....	.....	.....	12,015
Other Articles.....	Great Britain.....	.....	591	.....	.....	.....	591
	United States.....	.....	44,314	.....	.....	.....	44,314
	British W. Indies	.....	9	.....	.....	.....	9
	Spanish W. Indies	.....	24	.....	.....	.....	24
	Danish W. Indies	.....	18	.....	.....	.....	18
		.....	44,956	.....	.....	.....	44,956

STATEMENT showing the Quantity and Value of Fish Exported, &c.—Dominion of Canada—Continued.

RECAPITULATION.

COUNTRIES.	GOODS, THE PRODUCE OF CANADA.		GOODS, NOT THE PRODUCE OF CANADA.		TOTAL EXPORTS, PRODUCE AND NOT PRODUCE.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		\$		\$		\$
Great Britain.....		924,955		36,323		961,278
United States.....		1,194,123		13,653		1,207,776
Newfoundland.....		33,212				33,212
British West Indies.....		69,360				69,360
Spanish West Indies.....		572,616				572,616
French West Indies.....		90,194				90,194
Danish West Indies.....		21,456				21,456
Haiti.....		2,313				2,313
British Guiana.....		80,836				80,836
South America.....		304,043				304,043
St. Pierre.....		1,196				1,196
France.....		600				600
Germany.....		3,955				3,955
Belgium.....		200				200
Portugal.....		87,173				87,173
Italy.....		147,891				147,891
Austria.....		11,550				11,550
Madeira.....		4,233				4,233
Africa.....		450				450
Australia.....		6,838				6,838
Sandwich Islands.....		150				150
Total.....		4,147,344		49,976		4,197,320
Total Export to the United States...		1,194,123		13,653		1,207,776
do Other Countries.....		2,953,221		36,323		2,989,544
Grand Total.....		4,147,344		49,976		4,197,320

STATEMENT showing the Quantity and Value of Fish and Products of Fish, Imported and Entered for Consumption in the Dominion of Canada, also the Duty collected thereon during the Six Months ending 31st December, 1879.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
DUTIABLE.						
Fish, fresh	United States.....	Lbs. 4,234	\$ 234	Lbs. 4,234	\$ 234	\$ 42 34
do Salted or smoked.....	Great Britain	Lbs. 6,393	525	Lbs. 6,393	525	63 93
	United States.....	23,121	1,350	22,021	1,322	220 21
	China.....	260	9	260	9	2 60
	St. Pierre.....	75	2	75	2	0 75
	Italy.....	10	1	10	1	0 10
		29,859	1,887	28,759	1,859	287 59
do Oysters, preserved.....	United States.....		742		704	141 12
do Lobsters, preserved.....	Great Britain		14		14	2 80
	United States.....		369		369	73 69
			383		383	76 49
do Other, preserved in oil ..	Great Britain.....		23,776		18,704	3,741 03
	United States.....		4,056		2,316	463 20
	France.....		2,941		1,569	313 80
	China.....		58		64	12 80
	Italy.....		2		2	0 40
			30,833		22,655	4,531 23
Oil, Cod Liver, Medicated.....	Great Britain.....	Galls. 628	1,087	Galls. 753	1,217	243 40
	United States.....	1,352	1,403	1,352	1,403	280 74
	Norway.....	156	406	142	219	43 89
	Newfoundland...	10	11	10	11	2 20
		2,146	2,907	2,257	2,850	570 14
do Sperm.....	United States....	Galls. 4,108	2,478	Galls. 4,004	2,338	467 60
do Whale or Fish.....	United States.....	Galls. 93	50	Galls. 93	50	10 00
FREE.						
Ambergris	Great Britain		58		58	
	United States.....		10		10	
			68		68	

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
FREE—Continued.						
Cod, Haddock, Ling and Pollock, fresh	United States	Lbs. 765,190	\$ 18,425	Lbs. 765,190	\$ 18,425	\$ cts.
do do Dry, salted or smoked.....	United States.....	Cwt. 27,929	80,275	Cwt. 27,929	80,275	.....
	Newfoundland....	130	201	130	201	.....
	Labrador.....	2,750	8,250	2,750	8,250	.....
		30,809	88,726	30,809	88,726	.....
do do Wet salted.....	United States ...	Cwt. 108	310	Cwt. 108	310	.....
do do Pickled.....	United States....	Brls. 307	1,213	Brls. 307	1,213	.....
Halibut, Fresh	United States.....	Lbs. 6,172	325	Lbs. 6,172	325	.....
do Pickled.....	United States ...	Brls. 4	26	Brls. 4	26	.....
Herring, Fresh	United States.....	Lbs. 61,945	1,002	Lbs. 61,945	1,002	.....
do Pickled	United States....	Brls. 1,321	4,868	Brls. 1,321	4,868	.....
	Newfoundland....	2,348	3,807	2,348	3,807	.....
	Labrador.....	31	124	31	124	.....
		3,700	8,799	3,700	8,799	.....
do Smoked.....	United States.....	Lbs. 471,955	11,602	Lbs. 471,955	11,602	.....
Mackerel, Fresh	United States.....	Lbs. 36,768	1,248	Lbs. 36,768	1,248	.....
do Pickled.....	United States....	Brls. 521	2,631	Brls. 521	2,631	.....
	Newfoundland....	3	21	3	21	.....
		524	2,652	524	2,652	.....
Sea Fish, other, fresh	United States....	Lbs. 9,093	496	Lbs. 9,093	496	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of
Canada—Continued.

ARTICLES.	COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
FREE—Continued.			\$		\$	\$ cts.
Sea Fish, other, Pickled.....	British W. Indies.....		20		20	
do do Preserved.....	United States.....	Lbs. 12,030	311	Lbs. 12,030	311	
Oysters, fresh, in shell.....	United States.....	Brls. 859	3,459	Brls. 859	3,459	
do Fresh, in cans.....	United States.....	Lbs. 489,188	47,506	Lbs. 489,188	47,506	
do Shelled, in bulk.....	United States.....	Gals. 53,982	43,853	Gals. 53,982	43,853	
Lobsters, fresh.....	United States.....	Brls. 218	1,036	Brls. 218	1,036	
do Fresh, in cans.....	United States.....	Lbs. 3,523	251	Lbs. 3,523	251	
do Preserved, in cans.....	United States.....	Lbs. 13,180	1,577	Lbs. 13,180	1,577	
Bait, Clams or other.....	United States.....	Brls. 627	1,807	Brls. 627	1,807	
Salmon, fresh.....	United States.....	Lbs. 493	43	Lbs. 493	43	
do Smoked.....	United States.....	Lbs. 6,589	762	Lbs. 6,589	762	
do Canned.....	United States.....	Lbs. 151,681	14,560	Lbs. 151,681	14,560	
do Pickled.....	United States.....	Brls. 12	105	Brls. 12	105	
	Newfoundland..	5	55	5	65	
		17	160	17	160	
Fish, all other, fresh.....	United States.....		559		559	
do do Pickled.....	United States.....	Brls. 10	62	Brls. 10	62	

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Continued.

ARTICLES.	Countries whence Imported.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		DUTY.
		Quantity.	Value.	Quantity.	Value.	Amount Collected.
		Gals.	\$	Gals.	\$	\$ cts.
FREE—Continued.						
Fish Oil, Cod.....	Great Britain	9,600	4,277	9,600	4,277	.....
	United States.....	26,942	9,353	26,942	9,353	.....
	Newfoundland...	30	9	30	9	.....
	Labrador.....	1,400	494	1,400	494	.....
		37,972	14,133	37,972	14,133	.....
do Whale.....	United States....	Gals. 2,135	1,159	Gals. 2,135	1,159	.....
do Other.....	United States....	Gals. 17,214	4,983	Gals. 17,214	4,983	.....
	Newfoundland...	845	339	845	339	.....
		18,059	5,322	18,059	5,322	.....
Furs or Skins, undressed, the produce of fish or other marine animals.....	United States....		563		563	.....
	Newfoundland...		1,755		1,755	.....
			2,318		2,318	.....
Pearl, Mother of, unmanufactured.....	United States....		7		7	.....
Tortoise and other Shells.....	United States....		858		858	.....
Turtles.....	United States....	No. 16	45	No. 16	45	.....
	British W. Indies	1	5	1	5	.....
		17	50	17	50	.....
Whalebone, unmanufactured. Fish, fresh, dried, salted or smoked, the produce of Newfoundland.....	United States....	Cwt. 8	1,373	Cwt. 8	1,373	.....
	Newfoundland...		332,922		332,922	.....
	Fish Oil and products of Fish, the produce of Newfoundland.....	Newfoundland...		29,954		29,954
Seal Oil, the produce of Newfoundland.....	Newfoundland...	Gals. 72,025	34,885	Gals. 72,025	34,885	.....

STATEMENT showing the Quantity and Value of Fish Imported, &c.—Dominion of Canada—Continued.

RECAPITULATION.

COUNTRIES WHENCE IMPORTED.	IMPORTED.		ENTERED FOR HOME CONSUMPTION.		Duty.
	Dutiable.	Free.	Dutiable.	Free.	
	\$	\$	\$	\$	\$ cts.
Great Britain	25,402	4,335	20,460	4,335	4,051 16
United States	10,682	256,663	8,736	256,663	1,698 90
France	2,941		1,569		313 80
Italy	3		3		0 50
Norway	406		219		43 80
Newfoundland	11	403,948	11	403,948	2 20
St. Pierre	2		2		0 75
Labrador		8,868		8,868	
British West Indies		25		25	
China	67		73		15 40
Total	39,514	673,839	31,073	673,839	6,126 51
Total from United States.....	10,682	256,663	8,736	256,663	1,698 90
Total from all other countries.....	28,832	417,176	22,337	417,176	4,427 61
Total	39,514	673,839	31,073	673,839	6,126 51

	Imported.	Entered for Consumption.	Duty Collected.
	\$	\$	\$ cts.
Total Dutiable.....	39,514	31,073	6,126 51
do Free	673,839	673,839	
Total Imports of Fish and Products of Fish for the six months ending 31st December, 1879.....	713,353	704,912	6,126 51

EXPENDITURE AND RECEIPTS.

The following statements exhibit the respective amounts expended and collected during the fiscal year ended 30th June, 1879. This expenditure is subdivided for the several Provinces and services as follows:—

ONTARIO.

Fishery Overseers' salaries and disbursements.....	\$11,741 40
Fish-breeding.....	7,102 54
	<hr/>
	\$18,843 94
	<hr/>

QUEBEC.

Fishery Overseers' salaries and disbursements.....	\$13,606 06
Fish-breeding	5,772 90
Fisheries Protection Service, Gulf and Lower St. Lawrence	8,994 48
	<hr/>
	\$28,373 44
	<hr/>

NOVA SCOTIA.

Fishery Overseers' salaries and disbursements.....	\$14,312 76
Fish-breeding.....	2,687 44
	<hr/>
	\$17,000 20
	<hr/>

NEW BRUNSWICK.

Fishery Overseers' and Inspector of Fisheries' salaries and disbursements.....	\$10,858 64
Fish-breeding.....	1,139 00
	<hr/>
	\$11,997 64
	<hr/>

Under the head of Fish-breeding are also reckoned Mr. Samuel Wilmot's salary and travelling disbursements, being applicable to the several establishments in the Dominion.....

	\$2,844 62
	<hr/>

And under the head of general disbursements is included a sum of.....

	342 25
	<hr/>

PRINCE EDWARD ISLAND.

Fishery Overseers' salaries and disbursements	\$1,283 25
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BRITISH COLUMBIA.

Inspector of Fisheries' salary and disbursements.....	\$1,423 73
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MANITOBA.

Fishery Overseer's salary.....	\$200 00
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Total Expenditure.....	\$82,319 07
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Collections during the fiscal year are arranged under the following heads:—

ONTARIO.

Rents, license fees, fines and confiscations.....	\$6,188 80
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QUEBEC.

Rents, license fees, fines and confiscations.....	6,286 07
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NOVA SCOTIA.

Fees on trap-nets, fines and forfeitures	1,796 11
--	----------

NEW BRUNSWICK.

Rents, taxes on nets, fines and forfeitures.....	3,467 36
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Total.....	\$17,738 34
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LICENSES ISSUED

The number of Fishery Licenses issued during the season of 1879 are as follows:—

ONTARIO.

Gill-net licenses.....	272
Hoop-net do	32
Pound-net do	42
Seine do	211
Angling permits.....	1,782
Spearing licenses.....	150

QUEBEC.

Salmon-net fishing licenses.....	401
Brush Weirs do	116
Eel Weirs do	3
Seine do	191
Gill-net do	213

NEW BRUNSWICK.

Salmon net fishing licenses.....	930
Herring Weirs do	78
Bass do	343

NOVA SCOTIA.

Trap-net licenses.....	90
Weirs do	8

Total 4,862

STAFF OF FISHERY OFFICERS.

In 1879 the staff of Fishery Officers consisted of the following :—

ONTARIO—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Guardians... ..	87
QUEBEC—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Guardians	109
NOVA SCOTIA—Inspector, Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens.....	235
NEW BRUNSWICK—Inspector, Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens... ..	115
PRINCE EDWARD ISLAND—Fishery Overseers (<i>ex-officio</i> Magistrates) and Fishery Wardens.....	38
BRITISH COLUMBIA—Inspector of Fisheries and Overseer....	2
GULF OF ST. LAWRENCE—Fisheries Protection Service.....	6

Making the total number of Fishery Officers now employed in the Outside Service..... 592

This regular staff receives occasional aid from lock-masters on the Government canals and lighthouse keepers, which arrangement saves employing in certain places other fishery officers at separate salaries.

 REPORTS OF THE FISHERY OFFICERS.

Detailed reports of the various fishery officers engaged in the service are printed in the Appendices. They embrace particulars of the year's business in each fishery district, and also give details respecting the quantity and value of fish caught in sub-divisions of the respective fishery districts. They also refer to the condition of different fishings, the state of the rivers, the observance of fishery laws, and proceedings taken for violation of the same.

FISH CULTURE.

The total expenditure on account of this service for the fiscal year ended 30th June, 1879, amounts to \$19,888.75, divided as follows among the seven establishments devoted to the artificial reproduction of fish :—

Newcastle, Ontario.....	\$4,531 31
Sandwich, do	2,571 23
Tadoussac, Quebec.....	2,445 88
Gaspé Basin, do	1,569 09
Restigouche, do	1,757 93
Bedford Basin, Nova Scotia.....	2,687 44
Miramichi, New Brunswick.....	1,139 00
General disbursements, including Mr. S. Wilmot's salary and travelling expenses.....	3,186 87
	\$19 888 75

A statement in detail of this expenditure will be found at Appendix No. 30. Two new establishments were opened during the past season, one at Grand Falls on the St. John River, New Brunswick, and the other on Dunk River, Prince Edward Island.

FISH BREEDING.

The whole number of young fish distributed during the Spring of 1879 was 21,732,700, apportioned as follows:—

STATEMENT of the distribution of young fish at the several Breeding Establishments in the Dominion of Canada, during the Spring of 1879, from the hatching of 1878.

NEWCASTLE HATCHERY, ONTARIO.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Wilmot's Creek, Ontario.....	200,000	1,000	30,000	75,000	.....
Barber's do do	50,000	.....	.....	5,000	.....
Sapper's do do	10,000	.....	.....	5,000	.....
Duffin's do do	20,000	.....	.....	.....	.....
Lynd's do do	5,000	.....	.....	1,000	.....
Smith's do do	10,000	.....	.....	1,000	.....
Grafton do do	20,000	.....	.....	.....	.....
River Trent do	40,000	200	.....	2,000	.....
do Saugeen do	40,000	500	.....	.....	.....
do Rouge do	10,000	.....	.....	.....	.....
do Humber do	10,000	.....	.....	.....	.....
do Credit do	20,000	.....	.....	.....	.....
do Hawkstown do	3,000	.....	.....	.....	.....
do Moira do	5,000	.....	.....	.....	.....
Lake Ontario do	100,000	.....	1,025,000	3,000	602,000
do Erie do	5,000	.....	5,000	2,000	.....
do Balsam do	5,000	.....	10,000	.....	.....
do Couchiching do	3,000	.....	10,000	.....	.....
do Simcoe do .....	.....	.....	20,000	.....	.....
do Kempenfeldt do	5,000	.....	5,000	.....	.....
do Megantic, Quebec.....	10,000	.....	10,000	.....	.....
do Magog do .....	.....	.....	5,000	.....	14,000
do Massawippi do .....	.....	.....	.....	.....	21,000
do Brompton do .....	.....	.....	.....	.....	21,000
do St. Charles do .....	.....	.....	.....	.....	70,000
Key Pond, Quebec.....	.....	.....	.....	.....	7,000
To Lord Exeter, England.....	10,000	.....	.....	2,000	40,000
J. C Cassel do	10,000	.....	.....	2,000	.....
Alex. Begg do	10,000	.....	10,000	2,000	25,000
Total.....	601,000	1,700	1,130,000	100,000	800,000

SANDWICH HATCHERY, ONTARIO.

In Detroit River and Lake Erie.....	12,000,000
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STATEMENT of the distribution of Young Fish, &c.—Dominion of Canada—Continued.

BEDFORD HATCHERY, NOVA SCOTIA.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
River Sackville, County Halifax, N.S.	200,000				
do Musquodoboit do	240,000				
do Shubenacadie do	50,000				
do Big Salmon do	20,000				
do Little Salmon do	20,000				
do Mosher do	20,000				
do Nine Mile do	20,000				
do Pennant do	20,000				
do Indian do	20,000				
do Ingraham do	20,000				
do North-East do	20,000				
do Gays do	20,000				
do Meander, County Hants, N.S.	40,000				
do Windsor do	40,000				
do Kennetcook do	30,000				
do Debert do	40,000				
do Cornwallis, County Kings, N.S.	40,000				
do Gaspereaux do	40,000				
do Philip, County Cumberland, N.S.	140,000				
do Wallace do	40,000				
do Pugwash do	20,000				
do Maccan do	20,000				
do Salmon, County Colchester, N.S.	80,000				
Stewiacke	40,000				
North	40,000				
Debert	20,000				
Lagonish	20,000				
River French, County Colchester, N.S.	20,000				
do Folly do	20,000				
do East, County Pictou, N.S.	60,000				
do West do	150,000				
do Middle do	60,000				
do Sutherland do	40,000				
do Annapolis, Co. Annapolis, N.S.	50,000				
do LaHave (Head Waters), Co. Annapolis, N.S.	20,000				
Total	1,740,000				

TADOUSSAC HATCHERY, QUEBEC.

River Ste. Marguerite, Quebec	259,000				
do Petites Isles do	145,000				
do Anse St. Jean do	145,000				
do Anse à Cheval do	60,000				
do A Mars do	130,000				
do Petit Saguenay do	67,000				
do St. Anne (Montmorenci), Que.	18,000				
do Tadoussac, Quebec	28,000				
do L'Anse à L'Eau, Quebec	30,000				
do Du Sud do	20,000				
do Little Bic do	9,000				
do Jacques Cartier do	19,000				
Fresh Water Pond do	280,000				
Total	1,210,000				

STATEMENT of the Distribution of Young Fish, &c.—Dominion of Canada—*Continued.*

GASPE BASIN HATCHERY, QUEBEC.

Names of Rivers or Places where Fry were placed or sent.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout	Speckled Trout.	Whitefish.
River Dartmouth, Quebec.....	650,000				
do St. John do	380,000				
do York do	370,000				
do Malbaie do	90,000				
do Grand do	67,000				
do Pabos North do	50,000				
do do West do	10,000				
West Lake	8,000				
Pond, at Hatchery.....	50,000				
Total	1,655,000				

RESTIGOUCHE HATCHERY, QUEBEC.

River, Main Restigouche.....	500,000				
do Grand Cascapedia.....	120,000				
do Metapedia.....	350,000				
do Upsalquitch.....	350,000				
do Little.....	50,000				
do Little Cascapedia.....	50,000				
do Bonaventure.....	50,000				
Total.....	1,470,000				

MIRAMICHI HATCHERY, NEW BRUNSWICK.

River North-west Miramichi, N.B.....	200,000				
do Main South-west do	150,000				
do Little do	120,000				
River Nappan, N.B.....	75,000				
do Black	75,000				
do Shediac	40,000				
do Tabusintac	60,000				
do Sevogle	60,000				
do Bartibog.....	60,000				
do Burnt Church.....	60,000				
do Salmon.....	40,000				
do Canaan.....	40,000				
do Renous	40,000				
Pond, at Hatchery	5,000				
Total.....	1,025,000				

STATEMENT of the Distribution of Young Fish, &c.—Dominion of Canada—*Concluded.*

RECAPITULATION.

Fish Hatcheries.	KINDS OF FISH.				
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario.....	601,000	1,700	1,130,000	100,000	800,000
Sandwich do					12,000,000
Bedford, Nova Scotia.....	1,740,000				
Restigouche, Quebec	1,210,000				
Gaspé do	1,655,000				
Tadoussac do	1,470,000				
Miramichi, New Brunswick... ..	1,025,000				
Total distribution in 1879.....	7,701,000	1,700	1,130,000	100,000	12,800,000
do do 1878.....	5,141,000	35,000	658,090	20,000	21,900,000

Salmon.....	7,701,000
California Salmon.....	1,700
Salmon Trout	1,130,000
Speckled Trout.....	100,000
Whitefish.....	12,800,000

Total in 1879.....	21,732,700
do 1878.....	27,754,000

SUMMARY OF OPERATIONS IN THE AUTUMN OF 1879.

The following numbers of Vivified Eggs were deposited in the Hatching-troughs of the several Fish Hatcheries in the Dominion, in the Fall of 1879.

Fish Hatcheries.	Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario. { Lake Ontario Salmon..	309,000	1,264,000	40,000	1,200,000
do { California do	86,000			
Sandwich do				18,000,000
Tadoussac, Quebec	1,400,000			
Gaspé do	850,000			
Moisie River do (Private Hatchery)	200,000			
Restigouche, Quebec	1,500,000		100,000	
Bedford, N.S.	1,400,000			
Miramichi, N. B.	1,000,000			
River St. John, N. B.	320,000			
River Dunk, P.E.I.	700,000			
Total number of Vivified Ova in 1879.	7,785,000	1,264,000	140,000	19,200,000
do do 1878.	8,912,000	1,840,000	169,000	16,000,000

RECAPITULATION.

Fish Hatcheries.	Number of Vivified Eggs.
Newcastle, Ontario	2,899,000
Sandwich do	18,000,000
Tadoussac, Quebec	1,400,000
Gaspé do	850,000
Moisie River do (Private Hatchery)	200,000
Restigouche, Quebec	1,600,000
Bedford, N.S.	1,400,000
Miramichi, N. B.	1,000,000
River St. John, N.B.	320,000
River Dunk, P. E. I.	700,000
Total number of Ova in 1879.	28,369,000
do do 1878.	26,951,000

W. F. WHITCHER,

Commissioner of Fisheries.

APPENDIX No. 1.

REPORTS

OF

FISHERY OFFICERS

OF THE

DOMINION OF CANADA,

1879.

Printed by Order of Parliament.



OTTAWA :
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET.
1880.

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IN THE
DOMINION OF CANADA.

FOR THE YEAR 1879.

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PART NO. 2—REPORTS ON FISH BREEDING.

APPENDIX No. 1.

SCHEDULE of Fishery Officers in the Provinces of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, British Columbia and Manitoba, appointed under the Fisheries Act (1868), with Districts, Post Office Address, Salary, &c., &c., distinguishing those who, being Fishery Overseers, are instructed to act *ex officio* as Magistrates, from those who act in the capacity of Fishery Wardens, and do not exercise magisterial powers.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Samuel Wilmot		Newcastle.....	Superintendent fish-breeding establishments in the Dominion.	2,000 00

PROVINCE OF ONTARIO.

T. McGarity.....	Counties of Stormont and Glengarry.	Cornwall.....	Overseer...	50 00
William Pool	Prescott to Rockport	Grenadier Island	do ...	50 00
Henry Hunt	Larne's Island	Rockport	Warden ...	20 00
John Wallace.....	Lindoe Island.....	Lansdowne	do ...	50 00
J. D. McMillan	Lake St. Francis, from Cornwall to Côteau du Lac, on the north side, and from St. Régis to Valleyfield, on the south side, including Lake St. Francis and Salmon and La-Guerre Rivers	Dundee, P. Q	Overseer..	50 00
John Mooney.....	Brockville to Cornwall.....	Prescott.....	do ...	200 00
Peter Kiel.....	Wolfe and Amherst Islands and waters around down to Brockville, and inland waters, County of Frontenac	Wolfe Island.....	do	200 00
Jos. Redmond	The County of Prince Edward.....		do ...	300 00
Charles Gilchrist	Rice Lake and part of Lake Ontario, fronting on the County of Northumberland.....	Port Hope.....	do ...	400 00
W. H. Johnston.....	Charleston Lake, Gananoque Lake and River	Charleston Lake, P.O..	do ...	50 00
James Greer	Gananoque River	Warburton	do ...	40 00
A. J. Harrington...	Lake Scugog, including Lindsay or Scugog River to its mouth.....	Port Perry	do ...	50 00
John McAllister ...	do do	Cæsarea.....	Warden...	50 00
Alfred Knight	Lake shore and inland waters, County of Addington	Petworth.....	Overseer..	100 00
	Carried forward.			1,610 00

 SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

 PROVINCE OF ONTARIO—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 1,610 00
John A. Cameron.	Inland waters of the Townships of Bedford, Ose, Olden, Palmerston, Clarendon and Miller in the County of Addington.....	Westport.....	Overseer...	50 00
A. D. Sills.....	Lake shore and inland waters, County of Lennox.....	Napanee.....	do ...	100 00
Charles W lkins...	Waters of the Bay of Quinté fronting on County of Hastings, and from Carrying Place eastward to Mill Point, in the Co of Prince Edward.	Belleville.....	do ...	200 00
James G. Wilcox.	River Credit, from mouth of river up to Norval.....	Port Credit.....	do ...	50 00
John W. Kerr.....	Whitby Harbor to Moulton Bay.....	Hamilton.....	do ...	500 00
Henry Lawe.....	Grand River from mouth of Caledonia and that part of Lake Erie extending from South Cayuga to Moulton Bay.....	Dunnville.....	do ...	100 00
Chas. L. Bingham.	That part of the Counties of Norfolk and Haldimand fronting on Lake Erie and extending from the division line between the Counties of Elgin and Norfolk to the division line between the Townships of Rainham and South Cayuga.....	Rowan Mills.....	do ...	250 00
Alex. McBride.....	That part of Lake Erie fronting on the County of Elgin.....	Port Burwell.....	do ...	50 00
John McMichael.....	Lake Erie frontage, County of Kent.....	Rond Eau.....	do ...	50 00
James Cummins.....	Point Pelée Island.....	Kingsville.....	Warden....	50 00
Wm. Prosser.....	Lake Erie, from mouth Detroit River to Point Pelée.....	Leamington.....	do ...	30 00
E. Boismier.....	Baptiste Creek, on Lake St. Clair, to mouth of Detroit River.....	Sandwich.....	Overseer...	200 00
Thos. Cartier.....	Mouth of River Thames.....	Tilbury West.....	Warden....	20 00
Timothy McQueen.	Mouth of Thames River to Lewisville.	Chatham.....	Overseer...	50 00
Angus Brady.....	Thames River, from Lewisville to Cashmere.....	Bothwell.....	do ...	40 00
Peter McCann.....	Thames River, from Thamesville to London.....	London.....	do ...	200 00
P. McCarron.....	Sydenham River and tributaries.....	Wallaceburg.....	do ...	100 00
Chas. W. Raymond	Lake St. Clair.....	Mitchell's Bay.....	do ...	50 00
David McMaster.....	Baby's Point, on River St. Clair, to Kettle Point, on Lake Huron.....	Sarnia.....	do ...	200 00
A. C. McKinnon...	Kettle Point to Point Clarke, Lake Huron.....	Goderich.....	do ...	100 00
James Muir.....	Point Clarke to Cape Hurd, including adjacent islands.....	Port Elgin.....	do ...	100 00
Geo. S. Miller.....	Owen Sound to Cape Hurd.....	Owen Sound.....	do ...	100 00
James Patton.....	Collingwood to Point Rich.....	Collingwood.....	do ...	250 00
Samuel Fraser.....	Point Cockburn to Moose Point.....	Mi land.....	do ...	100 00
Wm. McGown.....	From Moose Deer Point to Byng Inlet, Georgian Bay.....	Parry Sound.....	Warden....	50 00
Geo. B. Abrey.....	Manitoulin Islands and adjacent islands in Lake Huron.....	Little Current.....	Overseer...	100 00
Jos. Wilson.....	Thessalon River to Slate Island.....	Sault Ste. Marie.....	do ...	100 00
James Dickson.....	Lake Superior, extending from Slate Island to mouth of Pigeon River.....	Prince Arthur's Land'g	do ...	100 00
Alex. McKenzie.....	Lake Simcoe and tributaries.....	Barrie.....	do ...	50 00
	Carried forward.....			4,950 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued

PROVINCE OF ONTARIO—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			4,950 00
Wm. Hastings.....	Lake Simcoe from Cook's Bay to Beaverton	Roach's Point	Overseer..	50 00
George Cochrane..	Inland waters, Co. Peterboro', including Pigeon, Deer, Salmon-Trout, Stony, Sturgeon and Chemong Lakes.....	Lakefield.....	do	250 00
Daniel Bowen.....	Upper Division or East Riding, Co. Peterboro', comprising waters of Gull and Burnt Rivers and tributaries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits.....	Haliburton.....	do	100 00
J. R. Graham	Inland water, N.R. County Victoria, north of Sturgeon Lake, and above Fenelon Falls	Victoria Road	do	100 00
James McFadden...	Mississippi River and Lake.....	Carleton Place.....	do	30 00
Andrew Telfer.....	Bonnechère River and Lakes, Co. Renfrew	Sand Point	do	50 00
W. P. Croome	Grand River and its tributaries from Brantford upwards.....	Brantford.....	do	100 00
Wm. E. Foot.....	Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River	Bracebridge	do	125 00
Wellington Hall...	The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing	Erin	do	50 00
W. D. Pollock	Twelve and Sixteen Mile Creeks, in the County of Halton.....	Bronté.....	Warden.....	30 00
Hugh McFayden	Head waters of Saugeen River, and tributaries.....	Durham.....	Overseer ..	40 00
Robt. Bell.....	Rideau Lakes	Newboro'	do	75 00
A. E. Mills.....	Rideau River and Canal.....	Smith's Falls.....	do	50 00
Wm. Hicks.....	Upper and Lower Beverly Lakes.....	Delta.....	do	40 00
John Morrow.....	Upper Madawaska.....	Dacre.....	do	25 00
Jno. R. McDonald	Madawaska River.....	Clontarf	do	50 00
M. L. Russell.....	Bonnechère River.....	Renfrew	do	25 00
Thos. McKibbin	Mink and Doré Lakes, Renfrew	Eganville.....	do	25 00
Geo. Douglas	Muskat Lake and Snake River, Renfrew.....	Stafford	do	25 00
Arch. Acheson.....	Lower Allumette and Coulonge Lakes	Westmeath.....	do	25 00
John Grant.....	Upper Allumette to Des Joachims, including Petawawa River.....	Forester's Falls.....	do	40 00
Ephraim Deacon...	River Tay, Co. Lanark.....	Bolingbroke.....	do	50 00
	Total.....			6,305 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF QUEBEC.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Wm. Wakeham.....	Lower St. Lawrence River and Gulf.	Gaspé Basin (in summer), Quebec (in winter).....	Officer in charge of Gov. st'm'er for protection of Fisheries...}	1,200 00
Clovis Caron.....	Point Lévis to River Ouelle.....	L'Islet.....	Overseer...	200 00
Jules Gauvreau.....	River Ouelle to Point à la Loupe, Green Island.....	Isle Verte.....	do ...	100 00
H. Martin.....	Point à la Loupe, Green Island, to Rimouski River (same included).....	Rimouski.....	do ...	100 00
L. E. Grondin.....	Rimouski to River Blanche.....	do	do ...	100 00
Vital Charest.....	River Blanche to Cape Chatte.....	Matane.....	do ...	100 00
George Gagnon.....	Inland waters, County Témiscouata...	St. Epiphane.....	Warden ...	30 00
Phileas Dubé.....	Lake Témiscouata and neighbouring waters, County Témiscouata.....	Notre Dame du Lac... ..	do ...	30 00
Alfred Blais.....	Lake Matapedia and River Matapedia to Causapsal.....	Causapsal.....	Overseer...	100 00
J. J. Letourneau.....	Cape Chatte to River Ste. Anne des Monts.....	Ste. Anne des Monts ...	do ...	100 00
P. Vibert, jun.....	York, Dartmouth and St. John Rivers, Gaspé Basin, to Point Maquereau.....	Gaspé Basin.....	do ...	200 00
John Phelan.....	Point Maquereau to Paspebiac Point.....	Port Daniel.....	do ...	50 00
R. W. H. Dimock.....	Paspebiac Point to Maguasha Point...	New Richmond.....	do ...	200 00
John Mowat.....	That part of the County of Bonaventure extending from Maguasha Point upwards, and including the Rivers Matapedia and Restigouche and their tributaries.....	Dee Side, Matapedia ...	do ...	300 00
L. P. Huot.....	Lakes Philippe, Gagné and adjacent Lakes, and the inland of Orleans ...	St. Roch, Quebec.....	Overseer...	100 00
U. Bhéreur.....	River du Gouffre to Canard River, including inland Lakes adjacent to Murray Bay and St. Paul's Bay.....	Murray Bay.....	do ...	50 00
Etienne Tremblay.....	Lakes in rear of Murray Bay and Bay St. Paul.....	{ Bay St. Paul.....	Warden ...	30 00
Jos. Simard.....		{ St. Agnés.....	do ...	40 00
Antoine Fillion.....		{ Bay St. Paul.....	do ...	30 00
Jos. Radford.....	Waters in Counties of Chicoutimi and Saguenay.....	Tadoussac.....	Overseer...	200 00
Jacques Girard.....	Grand Bay.....	Grand Bay.....	Warden ...	100 00
Romuald Maltais.....	Lake St. John.....	Alma.....	do ...	25 00
Chas. Potvin.....	do	Roberval.....	do ...	25 00
Job Bilodeau.....	Lake St. John and tributaries, Upper Saguenay.....	Metabetchouan.....	do ...	50 00
Joseph Boily.....	Escoumains to Bersimis.....	Mille Vaches.....	do ...	50 00
G. L. Duguay.....	North Shore, from Manicouagan to Point des Monts, including Becscie, Mistassini and Godbout Rivers.....	Godbout.....	do ...	150 00
J. O. Belanger.....	North Shore River St. Lawrence, from Point des Monts to Baie des Rochers, including Trinity and Pentecost Rivers.....	Montmagny.....	do ...	150 00
G. Mathurin.....	Moisie District, from Point Jambon to Point St. Charles, including Moisie River.....	do	Overseer...	150 00
	Carried forward.....			3,960 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF QUEBEC—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 3,960 00
D. B. McGie	Esquimaux Point to Sheldrake River.	Port Daniel	Overseer..	100 00
W. McLeod	Washecootal Division, comprising the Rivers Kegashca, Musquarro, Washecootal and Romaine or Olomanosheeboo	L'Islet	do	100 00
P. C. Gobeil	Watsheeshoo District, from Ateepetal Bay West to Little Watsheeshoo River East	St. Jean Port Joli	Warden ...	150 00
T. Mignault	Western Division Natasquan, including River Agwanus, Nabissippi and Natasquan	Montmagny	Overseer..	150 00
J. Legouvé	St. Augustine Division, from Cape Whittle to Checatica	Gaspé Basin	Warden ...	100 00
W. H. Whitely	Bonne Espérance Division, from Checatica to Blanc Sablon	Bonne Espérance	do	100 00
Ant. Chevrier	Magdalen Islands	Amberst	Overseer..	100 00
John Morris	River St. Lawrence around Island of Montreal	St. Lambert	do	200 00
R. W. Jones	Ottawa River, from Oka to Carillon, North side	St. Andrews	do	40 00
Jos I. Lamoureux	Ottawa River, from Oka to Carillon, South side	Rigaud	do	40 00
Jos. Landry	River Jesus and Des Prairies	Terrebonne	do	100 00
W. C. Willis	Waters in District of St. Francis	Sherbrooke	do	150 00
H. W. Austin	Richelieu River and tributaries from Sorel to St. John	Chambly	do	200 00
S. F. Copp	Lake Memphremagog, in the Counties of Stanstead and Brome	Georgeville	do	100 00
J. B. Chevalier	Richelieu River, from St. John to Lake Champlain	Iberville	do	100 00
Pierre Latraverse	That part of the River St. Lawrence bordering on the Counties of Richelieu, Yamaska and Berthier, in the Province of Quebec, including Sorel and adjoining Islands	Sorel	Warden ...	100 00
Olivier Laféche	That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge	River du Loup (<i>en haut</i>)	do	40 00
P. E. Luke	Mississquoi Bay in Lake Champlain and Pike River	Phillipsburg	Overseer..	50 00
J. B. McDonald	Lake Megantic	Lake Megantic	do	100 00
J. F. Picotin	St. Francis River	Drummondville	Warden ...	25 00
Wm. Clyde	Chateauguay River and tributaries	Huntingdon	Overseer..	50 00
Andrew Watt	River Chateauguay, from mouth to village	Chateauguay Basin	do	50 00
Alexander Beaton	The inland waters in rear of the County of Argenteuil	Lost River, P. O., Harrington	do	30 00
L. J. Loranger	The inland waters of the County of Terrebonne	St. Sauveur	do	150 00
Thomas Evans	Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniorly of Mille Isle and Township of Morin, in the County of Terrebonne	Lakefield	do	30 00
Jos. Marion	County of Ottawa	Hull	do	100 00
	Total			6,415 00

SCHEDULE of Fishery Officers in the several Provinces, etc—*Continued.*

PROVINCE OF NOVA SCOTIA.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts
W. H. Rogers	Nova Scotia	Amherst.	Inspector of Fisher- ies.....	1,200 00.
	<i>Annapolis County.</i>			
W. T. Carty	Annapolis County.....	Annapolis.....	Overseer...	120 00
A. F. Morton	Annapolis River.....	Wilmot	Warden ...	25 00
Geo. Vroom.....	Bear River (South side).....	Bear River.....	do ...	25 00
Wm. Crosscup.....	Bear River (North side).....	do	do ...	25 00
	<i>Antigonish County.</i>			
John McDonald.....	Antigonish County.....	Antigonish	Overseer...	125 00
Angus McDonald.....	From mouth of Harbour to foot of Marsh, thence up Tracadie stream to lake, from Marsh up to Monastery Brook, including French Settle- ment Brook and Tarbits.....	Tracadie.....	Warden ...	25 00
J. R. Aymer.....	From mouth of Harbour to Forks, from thence on the Pomquet River to V. Chisholm's Mills, and from Forks on the Black River to Falls.....	Pomquet Forks, Anti- gonish.....	do ...	25 00
Albert Randall.....	From shore to lake	Bayfield, W.O.....	do ...	16 00
Colin Chisholm.....	From Antigonish Harbour to McWil- liams or St. Andrew's Bridge.....	Lower South River, Antigonish.....	do ...	25 00
Lochlin Cameron.....	From McWilliam's Bridge to Fraser's Bridge, including Big Brook	Upper South River, Antigonish.....	do ...	30 00
John Cumming.....	From Fraser's Bridge to County line at head of lake.....	Upper South River, Antigonish.....	do ...	20 00
John Dexter.....	From Antigonish Harbour (foot of marsh), to Trotter's Mill Brook, thence up said Brook to Trotter's Mill, including both branches of West River and Bailey's Brook.....	Antigonish.....	do ...	30 00
Donald Chisholm.....	From Trotter's Mill Brook to W. Thompson's Dam.....	Salt Springs, Antigon- ish.....	do ...	25 00
Alex. Macadam.....	From Thompson's Dam to Addington Forks' Bridge.....	West River, Addington Forks, Antigonish...	do ...	25 00
Hugh Cameron.....	From Forks' Bridge to Pinkeytown Bridge, including Jones River and Beaver River	Addington, W.O.....	do ...	25 00
Duncan Fraser.....	From Pinkeytown Bridge to Stewart's Mill.....	Ohio.....	do ...	20 00
James Chisholm.....	From Campbell's Rock, on Pomquet River, to V. Chisholm's Mill on the Eastern Branch, and to Alexander McDonald's Mill on the Western Branch.....	St. Andrews.....	do ...	25 00
James McDougald.....	From John McDonald (Bun's) Cove, north side of Cape George, to Creb- bing Head, St. George's Bay.....	McNair's Cove, Cape George.....	do ...	25 00
	Carried forward.....			1,835 00

SCHEDULE of Fishery Officers in the several Provinces, etc—*Continued.*PROVINCE OF NOVA SCOTIA—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			1,825 00
	<i>Cape Breton County.</i>			
Francis Quinan.....	From Low Point to South Head of Cow Bay, and north side of Mira Bay, including Salmon River and Sydney River.....	Sydney.....	Overseer..	120 00
Anthony Spencer.....	Mira River, Black Brook.....	Mira Gut, W.O.....	Warden...	25 00
Wm. Burke.....	Mira Bridge and Trout Brook .. .	Burke's Bridge, Mira River.....	do ...	25 00
John McEachen.....	Salmon River .. .	Grand Mira, Arichat...	do ...	25 00
Thos. Moore.....	Ball's and Leitch's Creeks	North Sydney.....	do ...	20 00
Donald McDonald.....	Sydney River and Forks.....	Lingan	do ...	20 00
Alex. McLean.....	Mill Brook.....	Mill Brook.....	do ...	20 00
York Barrington.....	North of East Bay to Head of Sydney River, including part of Boularderie Island.....	Sydney Mines.....	Overseer..	120 00
Alex. McDonald	South of East Bay to Salmon River...	East Bay.....	Warden ...	120 00
Allan McAdam.....	Esaksoni.....	Esaksoni	do ...	25 00
Angus Morrison.....	Marion Bridge, Mira	Marion Bridge, Mira...	do ...	25 00
Denis Murphy.....	Ponds, Sydney Mines.....	Ponds, Sydney Mines...	do ...	25 00
H. McLellan.....	Rory Brack's Brook.....	Rory Brack's Brook....	do ...	25 00
P. Keefe.....	North West Brook, Grand Lake and tributaries	Lingan	do ...	25 00
Donald M' Cormack	Leitch's Creek and George's River...	Leitch's Creek, W.O..	do ...	25 00
John McNeil	Benacadie River emptying into Bras d'Or Lake	Benacadie, W. O.....	do ...	25 00
	<i>Colchester County.</i>			
T. Johnston.....	Salmon River.....	Salmon River.....	Warden ...	25 00
R. J. Pollock.....	Stewiacke River (lower portion)	Lower Stewiacke.....	Overseer..	75 00
George Fulton.....	do (upper portion)	Stewiacke River, Brook- field	Warden ...	25 00
H. Gass	Northern Division, Co. Colchester, comprising Tatamagouche Bay, French and Waugh's Rivers.....	Tatamagouche	Overseer..	40 00
J. W. Davison	Colchester County, West Division....	Upper Economy.....	do ...	100 00
J. Urquhart.....	Waugh's River.....	Tatamagouche River..	Warden ...	50 00
Robt. R. Fulton.....	De Bert River.....	Londonderry	do ...	25 00
T. Davidson, 2nd.....	Portapique River.....	Portapique, W.O.....	do ...	25 00
George Moore.....	Economy River.....	Economy.....	do ...	25 00
Mat. G. Murray.....	Salmon River.....	Truro	do ...	25 00
William Winton.....	Lower Stewiacke River.....	Lower Stewiacke.....	do ...	25 00
Alfred Wright.....	do do	do	do ...	25 00
Henry Blair.....	Eastern Division, County Colchester.	North River.....	Overseer..	100 00
	<i>Cumberland County.</i>			
N. B. Blair.....	Cumberland Co., Eastern Division, embracing all streams emptying into the Straits of Northumberland	Oxford.....	Overseer..	100 00
Oliver Fillmore.....	River Philip, Hanam's Falls, upwards	River Philip.....	Warden...	25 00
John W. Moore.....	do do downwards	do	do ...	25 00
Thos. R. Smith	Shinimicas River.....	Shinimicas River.....	do ...	25 00
F. W. Lowther.....	River Philip.....	River Philip.....	do ...	25 00
	Carried forward.....			3,270 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NOVA SCOTIA.—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			3,270 00
	<i>Cumberland County—Continued.</i>			
James King.....	Cumberland County, Western Division, including all streams flowing into the Bay of Fundy.....	Amherst.....	Overseer..	100 00
David Corbett.....	Laplanche and Nappan Rivers.....	do	Warden...	25 00
Moses Harrison.....	Maccan Rivers	Maccan, W. O	do	25 00
C. Pugsley.....	River Hebert.....	River Hebert.....	do	25 00
Francis L. Jenks.....	Parrsboro' Head.....	Parrsboro'	do	25 00
Wm. Murphy	Wallace River	Wallace.....	do	30 00
Elijah Fowler.....	Diligent, Ramshead and Fox Rivers, including fisheries from Partridge Island to Spencer Island.....	Diligent River, Parrsboro'	do	30 00
Samuel McPherson	Pugwash River.....	Pugwash River	do	25 00
	<i>Digby County.</i>			
J. H. Morehouse....	Digby County.....	Hillsburg.....	Overseer..	120 00
Abraham L. Gavil	Joggins River.....	Digby.....	Warden...	25 00
Lochlin McKay	St. Mary's Bay.....	St. Mary's Bay, W. O.....	do	25 00
Robert Journey	Sissaboo River	Weymouth.....	do	25 00
	Brier and Long Island.....	Brier Island.....	Overseer..	50 00
	<i>Guysborough County.</i>			
James A. Tory.....	Guysborough County	Guysborough.....	Overseer..	150 00
James Cook.....	Salmon River, from mouth to Graham's West Line.....	Salmon River, W.O.....	Warden...	25 00
James McCallum....	From Graham's West Line to foot of Neil's Lake, including North Branch and Lake.....	do	do	20 00
Charles Kenny.....	From foot of Neil's Lake to Beaver Dam Lake, inclusive, and all the lakes through which it passes.....	Salmon River, West Branch, Guysboro'...	do	15 00
Donald Gunn.....	From mouth of Scott's Place to Country Harbour Lake, including Gunn's Brook, from Main River to Hurley's Lake.....	Cross Roads	do	30 00
William Pride	From mouth of St. Mary's River to Sinclair's Point, including stream from Wine Harbour to Lake.....	Sherbrooke, St. Mary's	do	30 00
Thomas McKeen....	From Forks to County Line, including McQueen's Mill and Brook, to Lake.....	Melrose.....	do	30 00
J. L. Smith.....	From Forks to Indian Man's Brook....	West River.....	do	25 00
Robert McKay.....	From head of tide to head of Interval, on the North Branch, and to Cameron's Mill, on the Valley Branch	Guysborough, Interval, W.O.....	do	15 00
James R. Bruce ...	From mouth of Clam Harbour River to Upper Falls.....	Guysborough.....	do	10 00
	Carried forward.....			4,150 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA.—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 4,150 00
	<i>Guysborough County—Continued.</i>			
James Nickerson..	From Beach to Falls, including North West Brook.....	New Harbour, W.O.....	do ...	15 00
D. A. McDonald ...	St. Mary's River.....	St. Mary's River, Sherbrooke.....	do ...	40 00
Allan McQuarrie...	District of St. Mary's.....	Sherbrooke.....	Overseer..	100 00
Adam Kirk.....	St. Mary's River, extending from Alex. Ross' (above still waters) to Hugh Halters', on the West River.....	Glenelg	Warden...	30 00
Wm. McDonald.....	St. Mary's River.....	Stillwater	do ...	25 00
D. McC. Sinclair...	From Sinclair's Mill to Headwater.....	Goshen	do ...	20 00
Luke Harpell.....	From mouth to head of Indian River.	Indian River, St. Mary's District.....	do ...	15 00
D. Cameron, sen...	West River, St. Mary's, from Wallace Bridge to head of River.....	Upper Caledonia.....	do ...	20 00
Frederick Mattie...	Tracadie River, in Counties of Guysboro' and Antigonish.....	Tracadie, County of Antigonish	do ...	15 00
Angus Cameron....	East River, St. Mary's.....	East River.....	do ...	25 00
John Jones.....	Mouth of Salmon River.....	Mouth of Salmon River	do ...	25 00
James Henderson..	Isaac Harbour and River.....	Isaac's Harbour.....	do ...	25 00
Samuel Hudson (Lewis' son).....	Country Harbour River, from Bridge at Narrows to mouth	Country Harbour.....	do ...	25 00
John J. Sangster..	From New Harbour to Isaac Harbour, including harbours, rivers and lakes between these places	Coddell's Harbour.....	do ...	25 00
	<i>Halifax County.</i>			
William Anderson.	Halifax County, East Division, Dartmouth to Ecum Secum	Musquodoboit Harbour	Overseer..	150 00
James Blakely.....	From Ship Harbour to Chezzetcook, inclusive	Ship Harbour.....	Warden...	30 00
William Hall	Sheet Harbour	Sheet Harbour.....	do ...	40 00
John Fitzgerald....	Halifax Harbour to Margaret Bay, Portuguese Cove.....	Portuguese Cove.....	Overseer...	150 00
Archibald Kidston	From Peggy's Cove to Terrance Bay, Nine Mile and Prospect Rivers..	Spryfield.....	Warden...	40 00
Nathaniel Mason...	From Hubert's to Peggy's Cove, Margaret Bay, Ingraham and Indian Rivers.....	Margaret Bay, Peggy's Cove, W.O	do ...	40 00
Daniel Mosher.....	Cow Bay Run	Cow Bay, Dartmouth...	do ...	20 00
Donald McCleam...	Chezzetcook River	Chezzetcook River	do ...	30 00
Henry Balcam.....	Salmon River	Salmon River	do ...	30 00
John McCurdy.....	Middle Musquodoboit.....	Middle Musquodoboit...	do ...	30 00
James Miller.....	Tangier River	Tangier River	do ...	30 00
Hy. A. Shatford...	Pennant River	Hubbard's Cove.....	do ...	40 00
Jas. Gardner.....	Musquodoboit Harbour	Musquodoboit Harbour	do ...	30 00
John Taylor	Little Musquodoboit River.....	Little Musquodoboit River.....	do ...	30 00
Geo. Parker	Upper Musquodoboit.....	Upper Musquodoboit River.....	do ...	30 00
John Frazer	Moser's River and Ecum Secum and Smith's Brook.....	Moser's River.....	do ...	30 00
	Carried forward.....			5,305 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NOVA SCOTIA—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 5,305 00
	<i>Halifax County.—Continued.</i>			
Geo. Keizer.....	Lake Porter and streams.....	Lake Porter	do ...	30 00
Wm. Geo. Walker.....	Little Salmon River.....	Little Salmon River, Preston Road.....	Warden...	20 00
James Crook	Big Salmon River or Lawrencetown River	Lawrencetown.....	do ...	25 00
F. G. Tolson	Sackville River.....	Sackville River	do ...	40 00
	<i>Hants County.</i>			
P. S. Burnham ...	Hants County, Western Division, from Western County Line to Walton....	Windsor.....	Overseer...	100 00
John B. Colter.....	Shubenacadie River.....	Milford	do ...	30 00
James Mosher.....	Rivers Meander and Hebert, from mouth to source	Brooklyn.....	Warden ...	30 00
T. B. O'Brien.....	East Division, from Walton to Col- chester Line.....	Maitland.....	Overseer...	100 00
Joseph Mosher.....	Kennetcook River, from mouth to head of tide	Newport.....	Warden ...	50 00
James M. O'Brien..	Walton and Kennetcook Rivers.....	Maitland.....	do ...	30 00
	<i>Inverness County.</i>			
Peter Coady	Inverness County, East Division.....	S. W. Margaree.....	Overseer...	100 00
David Ross.....	do do	N. E. Margaree.....	do ...	100 00
Miles McDaniel	From mouth of Margaree River to South-west Chapel.....	Forks, Margaree, W. O.	do ...	25 00
Neil McKay.....	Upper Waters and tributaries, Mar- garee River.....	S. W. Margaree River...	Warden ...	25 00
D. F. McLean.....	Inverness County, Western Division..	Port Hastings.....	Overseer...	100 00
Peter Benvie.....	Mabou River.....	Mabou, Brook Village.	Warden ...	25 00
M. B. McDonald....	River Dennis.....	River Dennis, W. O.....	do ...	25 00
Donald McDonald..	River Inhabitants.....	River Inhabitants, W. O	do ...	25 00
John McLean.....	do	Broad Cove	do ...	25 00
Hugh Cameron.....	do	S. W. Mabou.....	do ...	25 00
Moses Murphy	Ainslie Lake.....	N. E. Margaree.....	do ...	25 00
John McKenzie.....	Crowdis Bridge to head of river	Big Intervale, Mar- garee, W. O.	do ...	25 00
Daniel McDermid..	From his own residence to Big Inter- vale.....	N. E. Margaree	do ...	25 00
Mark Crowdis	From Bridge to Forks, North-east Margaree River.....	do	do ...	25 00
Donald Carmichael (David's Son).....	do do	do	do ...	25 00
William Hart, jun.	From Crowdis Bridge to Warden McDermid's residence.....	S. W. Margaree	do ...	25 00
Allan McLellan (John's Son).....	Whycocomagh Bay.....	River Denis.....	do ...	25 00
Malcolm McKay....	Trout River.....	Lake Ainslie.....	do ...	20 00
Angus McFarlane (Angus' Son).....	Upper South-west Margaree River.....	Upper S. W. Margaree River.....	do ...	25 00
John P. McFarlane	Margaree Harbour	Margaree.....	do ...	25 00
Stephen Graham ..	Long Point and Judique Rivers.....	do	do ...	25 00
	Carried forward			6,505 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NOVA SCOTIA—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 6,505 00
	<i>King's County.</i>			
John E. Starr	King's County	Port William	Overseer...	250 00
W. McIntyre	Annapolis River	Kentville	Warden ...	50 00
	<i>Lunenburg County.</i>			
Geo. Redden.....	Lunenburg County, East Division Middle, Gold, Martin's and Musha- mush Rivers.....	Chester.....	Overseer...	100 00
Geo. Meland	Eastern River.....	do	Warden ...	25 00
Jas. Corkum.....	Middle River	do Basin	do	25 00
David Lemon.....	Lower Gold River	Lower Gold River.....	do	25 00
John Hutt.....	Middle Gold River.....	Beech Hill, Chester.....	do	25 00
Edward Boylan.....	Gold River, Upper.....	New Ross.....	do	25 00
Jas. Langille.....	Martin's River	Chester	do	25 00
Hy. S. Jost.....	Lunenburg County, West Division.....	Lunenburg.....	Overseer...	100 00
Chas. Pernette.....	From mouth of Lahave River to Wilkie's Cove	do	Warden ...	25 00
C. E. Goddard.....	Wilkie's Cove to Henry Koch's	Bridgewater.....	do	25 00
Jas. Mossman	From Henry Koch's to Knock's	Lunenburg.....	do	25 00
B. Rothenhiser	Knock's to source of Lahave River.....	Bridgewater.....	do	25 00
John Andrews.....	Mushamush River	Mahone Bay.....	do	25 00
Geo. A. Nesbitt.....	Petite River, mouth to Wallace Brook	Petite River.....	do	25 00
Eli Hebb.....	Petite River, from Wallace Brook to source.....	Hebb's Cross, West Conquerall.....	do	25 00
William Croft.....	East Gold River, from Bongald's Point to Gold River Branch, thence to Clark's, Clinton's and Henry's Lakes	Chester Basin.....	do	25 00
	<i>Pictou County.</i>			
Duncan G. McDon- ald.....	Pictou County, East Division, in- cluding Sutherland's, French and Barney's Rivers, Bailey's Brook and Shore Fishery from Pictou Harbour eastward to County Line	Lismore	Overseer...	170 00
William Turner.....	Barney's River	Barney's River, W.O.....	Warden ...	25 00
Donald McDonald.....	Sutherland River	New Glasgow.....	do	25 00
Geo. Foote.....	French River.....	French River.....	do	25 00
Donald McLean.....	Bailey's Brook	Bailey's Brook, W. O.....	do	30 00
Charles Henry	Pictou County, West Division, in- cluding Middle, East, West, Cariboo, Toney and John Rivers.....	River John.....	Overseer...	140 00
Wm. McDonald.....	French River	French River.....	Warden ...	25 00
Peter Campbell.....	East River	New Glasgow.....	do	25 00
Alex. Douglas.....	Middle River.....	Middle River.....	do	25 00
Arch'd. Porteous	West River.....	West River.....	do	25 00
John McKay.....	River John.....	River John.....	do	25 00
George McKenzie.....	Cariboo River	Cariboo River.....	do	25 00
John McDonald.....	Barney's River, from McDonald's Bridge to Head.....	Barney's River, W.O.....	do	25 00
Samuel Fraser.....	Grant's Factory to East Branch Lake	Bridgeville.....	do	25 00
	Carried forward.....			7,970 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF NOVA SCOTIA.—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward.....			7,970 00
	<i>Pictou County—Continued.</i>			
Donald Fraser.....	Fork and West Branch Lake.....	Hopewell.....	Warden.....	25 00
Wm. McKenzie.....	East River of St. Mary's and Garden Lake.....	Garden of Eden.....	do	20 00
Thomas Frazer.....	East River, from Tide Head to Grant's Factory.....	Island Hopewell.....	do	25 00
Edward Cameron.....	East Branch Barney's River, from Sutherland's Marshy Hope to Barney's River.....	Barney's River.....	do	25 00
A. C. Pritchard.....	Central Pictou County, including Middle, East and West Rivers.....	New Glasgow.....	Overseer.....	150 00
	<i>Queen's County.</i>			
Saml. T. N. Sellon.....	Queen's County.....	Liverpool.....	Overseer.....	225 00
Theodosius Ford.....	Milton Bridge up to Port River.....	Milton.....	Warden.....	60 00
Henry Hooker.....	Puddingpan Island to Toby's Island, up Port Medway River to Dog Cove.....	Port Medway.....	do	70 00
John Fitzgerald.....	From Steam Mills to Salter's Falls on Port Medway River.....	Mill Village.....	do	70 00
Barnabas Miles.....	Salter's Falls to Pawn Hook, on Port Medway River.....	Greenfield, W.O.....	do	30 00
	<i>Richmond County.</i>			
Duncan Cameron.....	Eastern Division, from River Bourgeois to East Boundary of County, including said river.....	St. Peters.....	Overseer.....	125 00
John Murchison.....	Grand River.....	Grand River, W.O.....	Warden.....	30 00
James Marmeau.....	Western Division, from River Bourgeois to West Boundary of County.....	Arichat.....	Overseer.....	125 00
P. W. Grouchy.....	Decousse River.....	do	Warden.....	30 00
John Proctor, sen.....	Inhabitants River.....	Port Hawkesbury.....	do	20 00
Abraham Sampson.....	Petit Degrat Inlet.....	Petit Degrat.....	do	30 00
Justinian Sampson.....	L'Ardoise.....	L'Ardoise.....	do	30 00
Charles Grant.....	River Inhabitants.....	River Inhabitants.....	do	20 00
Alex. Smith.....	West Bay, Black River.....	West Bay.....	do	30 00
Geo. Donahoe.....	River Moulin.....	River Moulin, Grand-digue Ferry, W.O.....	do	30 00
Patrick Kyte.....	River Tier.....	River Tier, St. Peters.....	do	25 00
Felix Gerroir.....	Grand Ruisseau.....	Grand Ruisseau, Arichat.....	do	25 00
William Kehoe.....	False Bay and Breen's Brook.....	River Bourgeois, W.O.....	do	25 00
	<i>Shelburne County.</i>			
Wm. John McGill.....	Shelburne County.....	Shelburne.....	Overseer.....	125 00
M. Greenwood.....	Round Bay River and Indian Brook.....	Clyde River, W.O.....	Warden.....	20 00
George Archer.....	Birchtown River.....	Shelburne.....	do	30 00
Geo. Ryer.....	Roseway River.....	do	do	50 00
G. A. Holden.....	Jordan River.....	do	do	50 00
Henry Ackerman.....	Green Harbor.....	Ragged Island, Locke's Island, W.O.....	do	20 00
P. Crowell.....	Barrington River.....	Barrington.....	do	20 00
	Carried forward.....			9,530 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NOVA SCOTIA—*Concluded.*

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Brought forward.....				9,530 00
<i>Victoria County.</i>				
J. W. Burke	Victoria County, North Division, from Smoky Head to Bay St. Lawrence..	Ingonish.....	Overseer..	120 00
Donald McRae, jun	do South Division.....	Baddeck	do ...	120 00
John McLellan....	Middle River	Middle River, W.O., Baddeck.....	Warden...	25 00
Jno. McRae (Rory's Son).....	Middle River, Upper Settlement....	McLeod, W.O.....	do ...	25 00
Donald McQuarrie	do	do	do ...	25 00
Donald McMillan...	Baddeck River.....	do	do ...	25 00
Donald McAuley....	do	do	do ...	25 00
Hector McKenzie..	North River	North River, W.O.....	do ...	25 00
Donald McRae....	Baddeck River and tributaries.....	Baddeck.....	do ...	25 00
Frs. McGreggor....	Entrance of Baddeck River.....	Hunters Mountain, W.O.	do ...	25 00
Angus McDonald .	Washabuck River.....	Washabuck River.....	do ...	30 00
Kenneth Campbell	Indian Brook	Middle River.....	do ...	30 00
Rodrick Beaton ...	Hume's River.....	McNaughton's, W.O....	do ...	30 00
William Foyle.....	Peter's Brook	Baddeck River.....	do ...	30 00
John McCharles ...	Upper Settlement.....	Middle River.....	do ...	30 00
Donald Bochaman.	Barachois River.....	Barachois River.....	do ...	30 00
Malcom Melvor....	Indian Brook	Indian Brook	do ...	30 00
Jos. Guinn.....	North River	North River.....	do ...	30 00
Geo. Burton.....	Salmon River, Bay St. Lawrence	Bay St. Lawrence, W.O	do ...	30 00
Jos. Hellen.....	Cape North.....	Cape North.....	do ...	30 00
<i>Yarmouth County.</i>				
Enos Gardner.....	Yarmouth County.....	Tusket.....	Overseer..	150 00
J. A. Hatfield.....	From Raynard's Falls to Lower Nar- rows, Tusket River.....	do	Warden ...	50 00
William Kavanagh	Gurrill's Bridge to Coldstream.....	do	do ...	25 00
William Prosser...	Branches of River above Raynard's Falls	do	do ...	25 00
Eustace Nickerson	Salmon River.....	Yarmouth.....	do ...	25 00
Edward Perry.....	Little River.....	do	do ...	25 00
Jerome Doucet....	Tusket River.....	Tusket.....	do ...	30 00
Vital Muise.....	Tusket Forks	Tusket Forks.....	do ...	25 00
Joseph M. White...	Eel Lake	Eel Lake	do ...	25 00
Wm. Thurston, sen	Chegoggin River.....	Chegoggin River.....	do ...	25 00
J. Ingraham Brand	Pubnico and Argyle.....	W. Pubnico.....	do ...	25 00
Total.....				10,700 00

PROVINCE OF NEW BRUNSWICK.

W. H. Venning.....	New Brunswick.....	St. John, N.B.....	Inspector Fisheries	1,400 00
C. R. Venning.....	.....	do	Clerk	400 00
<i>Albert County.</i>				
Winthrop Akerly..	County of Albert.....	Harvey.....	Overseer..	100 00
Wallace Taylor....	Petitcodiac River.....	Coverdale.....	Warden....	40 00
Carried forward				1,940 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward .....	.....	.....	1,940 00
	<i>Albert County—Continued.</i>			
C. McLatchey.....	Mouth of Petitcodiac River and Dorchester Bay.....	Hillsboro'.....	Warden ...	40 00
Jacob Beck.....	Pollet River.....	Elgin.....	do ...	30 00
J. E. Kinne.....	Germantown Lake and Shepody River.....	Hopewell Corner.....	do ...	40 00
Bartlet Oliver.....	Rocher Bay.....	Waterside.....	do ...	40 00
	<i>Carleton County.</i>			
W. B. Mills	Miramichi River (S. W.) from Head Waters to Forks	Foreston.....	Overseer...	150 00
Geo. R. Burt.	St. John River and tributaries, from Long's Creek to Tobique River.....	Upper Woodstock.....	do ...	100 00
J. W. Scott.....	St. John River, from Bel River to Woodstock	Canterbury.....	Warden ...	30 00
	<i>Charlotte County.</i>			
B. L. Cunningham	Inner Bay of Passamaquoddy.....	Chamcook, W.O.....	Overseer...	70 00
James Brown.....	Campo Bello and West Isles, with coasts and streams in Charlotte Co.	Campo Bello.....	do ...	100 00
Frank Todd	St. Croix River and tributaries	St. Stephen.....	do ...	120 00
W. B. McLaughlin.	Grand Manan Island and spawning grounds.....	Grand Manan.....	do ...	*240 00
Samuel Dick.....	St. George to Beaver Harbour.....	La Tête, W. O.....	Warden ...	30 00
Robert Dixon.....	Seeley's Cove to Lepreaux.....	Lepreaux.....	do ...	30 00
Leonard Best.....	East District, from La Tête to Lepreaux	Beaver Harbour, W. O.	Overseer...	100 00
J. M. Lord.....	Deer Island.....	Deer Island.....	do ...	70 00
James Russell.....	From St. Andrews to mouth of St. Croix River	St. Andrews.....	Warden ...	30 00
Andrew Gilmour...	Northern Head, Grand Manan.....	Grand Manan.....	do ...	30 00
Edward Carroll...	Whitehead Island.....	do	do ...	30 00
John Thomson.....	West side, Deer Island	Deer Island.....	do ...	30 00
	<i>Gloucester County.</i>			
James Hickson.....	River Nepisiguit and tributaries, with sea coast and streams from Belledune River to Grindstone Point.....	Bathurst	Overseer...	250 00
William Bateman.	Nepisiguit River.....	do	Warden ...	50 00
Juste Haché	Oyster beds in County, Caraquet and Shippegan	Caraquet.....	Overseer...	100 00
Justinien Savoy...	Tracadie.....	Tracadie, W. O.....	Warden ...	30 00
John L. Veno.....	Pokenouche.....	Pokenouche.....	do ...	30 00
Frederic Comeau...	Petit Rocher, from Belledune to Mill Stream.....	Elm Tree, Madisco	do ...	40 00
Miles Dempsey.....	Salmon Beach, from Bass River to Grindstone Point	Salmon Beach	do ...	30 00
Tim. Coughlan....	Grindstone Point to Grande Anse.....	Grande Anse.....	do ...	30 00
	Carried forward.....	.....	.....	3,810 00

*Includes boat hire.

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*PROVINCE OF NEW BRUNSWICK.—*Continued.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ 3,810 00
<i>Gloucester County—Continued.</i>				
Adolphe Haché.....	Shippegan	Shippegan	Warden....	30 00
W. Rogers	Tête-à-gauche River.....	Tête-à-gauche, Bathurst	do	25 00
John Calnan, jun....	That part of River Tête-à-gauche from a mile above the Mill Dam to the source of said River.....	Kinsale.....	do	25 00
Alexis Landry, jun....	Pokemouche River.....	Pokemouche	Overseer..	50 00
Augustin Cormier....	Caraquet Herring Banks.....	Caraquet.....	do	50 00
Joseph Poirier.....	Bay Chaleur, between Grand Anse and Point Mizzenette.....	Grande Anse	do	50 00
<i>Kent County.</i>				
Charles Cormier....	Cocagne River.....	Cocagne	Overseer..	100 00
J. McD. Sutherland....	Richibucto River	Richibucto	do	75 00
F. B. Légare	Little Buctouche River.....	Little Buctouche River	Warden....	30 00
M. A. Girouard.....	Big do	Buctouche	Overseer..	75 00
James Harnett.....	From the mouth of Nicholas River, on the Richibucto, upwards, including Nicholas River.....	Weldford	Warden....	30 00
Lazare Guimon.....	From Kouchibouquacis to Chockfish River.....	Kouchibouquacis	do	75 00
Nicholas Muzzeroll....	From Kouchibouquacis River to Point Sapin	do	do	50 00
A. L. Collet	Buctouche Bay	Buctouche.....	do	30 00
<i>King's County.</i>				
Samuel Gosline ...	From mouth of Smith's Creek upwards.....	Smith's Creek, W.O.....	Overseer..	100 00
Samuel F. Ryan....	Mill Stream.....	Studholm, Apohaqui....	Warden....	30 00
James A. Belyea....	St John River and Belle Isle Bay and streams running thereinto.....	Westfield.....	Overseer..	50 00
Samuel Gamblin....	Washademook Lake and its tributaries in King's and Queen's Counties	English Settlement, Pearson's, W.O.....	Warden....	30 00
<i>Northumberland County.</i>				
Prudent Robichaux....	Burnt Church River and tributaries, and Upper Tabusintac.....	Upper Neguac	Overseer..	100 00
John Stymast.	Lower Tabusintac River.....	Stymast Road, Neguac.	Warden....	50 00
William Wyse	Herring fisheries, Miramichi Bay, and Bass fishing in Napan Bay and Black Rivers.....	Chatham.....	Overseer..	200 00
Chris. Parker.	Miramichi River and tributaries, from Beaubair's Island to Blackville.....	Newcastle	do	160 00
Samuel Holt	From lower line of Blackville to Blissfield .....	.....	do	160 00
John Hogan	Miramichi River (N.W.) and tributaries, from Chatham Ferry upwards.....	Newcastle.....	do	400 00
Aaron Hovey.....	Miramichi River, (S.W.) and tributaries, from Nelson's to Head of Hovey Island.....	Boiestown.....	Warden....	30 00
	Carried forward			5,815 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued

PROVINCE OF NEW BRUNSWICK—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ 5,815 00
	<i>Northumberland County—Concluded.</i>			
George Bryanton..	From Elm Tree Brook to Squire Underhill's, on the S. W. Miramichi River.	Derby, W.O.	Warden ...	30 00
Kenneth Cameron.	Miramichi River (S.W.), from line of Blissfield to the head waters and tributaries	Boiestown	Overseer...	100 00
Patrick Bergin.....	From Underhill's to Stephen Mitchell's, on S. W. Miramichi.....	Dumphey, W.O., Parish of Blackville, S.W. Miramichi	Warden ...	30 00
Thomas Smith	From lower end of Fingley's Island, on N.W. Miramichi, upwards, and the Big Sevogle.....	North Esk, Red Bank, W.O.....	do ..	30 00
Jared Blackmore...	From lower side of Ox Bow, on the Little South West, upwards.....	do do ..	Overseer...	50 00
Patrick Gillis.....	Little S.W. River and tributaries.....	do do ..	Warden....	30 00
Denis Hogan.....	Renous River and tributaries.....	Renous Bridge, W.O.	do ..	30 00
Michael Donovan...	Renous River.....	Renous Bridge.....	do ..	18 00
Henry Oldfield.....	Big Sevogle to Square Forks.....	.....	do ..	30 00
F. McDairmaid.....	Napan and Black Rivers and tributaries.....	Napan, W.O., Chatham.....	do ..	30 00
John Williston.....	Bay du Vin River and Bay, with Parish of Hardwick, Fox and other Islands and Stations on South side of Main Channel Miramichi River....	Bay du Vin, W.O.	Overseer...	100 00
James Russell.....	Miramichi Bay and Feeders	Lower Newcastle.....	do ..	150 00
Thomas Taylor.....	South West Miramichi, within Parish of Blissfield.....	Blissfield	Warden....	50 00
Samuel Freeze.....	From Doaktown to Hovey Islands, in the Parish of Blissfield, on the South West Miramichi River.....	Doaktown, Miramichi..	Overseer...	100 00
Daniel Mathews.....	From lower side of Ox Bow, on Little South West Miramichi, upwards.....	Little S.W. Miramichi River.....	Warden....	30 00
Nat. Morehouse.....	Arbo Settlement, Parish of Blackville, South West Miramichi.....	Arbo Settlement.....	do ..	30 00
J. T. Coughlan.....	Coughlan Settlement, Parish of Blackville, South West Miramichi.....	Coughlan Settlement..	do ..	30 00
John Doyle.....	Tabusintac and Bartibog Rivers.....	Bartibog	do ..	30 00
Peter Russell.....	Whitney Settlement, N.W. Miramichi.....	Whitney Settlement....	do ..	30 00
John Blake.....	Miramichi River and tributaries from Point aux Carr to Middle Island.....	Black Brook.....	do ..	70 00
Angus McIntosh.....	Miramichi River and tributaries, from Middle Island to Newcastle Ferry...	Chatham Head.....	do ..	30 00
Tubal Watling.....	Black River and tributaries in the Parish of Glenelg.....	Black River.....	do ..	30 00
Samuel Kingston...	Upper waters N.W. Miramichi River, from Rolphs Crossing, upwards.....	.....	do ..	50 00
Robert Keating.....	N.W. Miramichi River and tributaries, from McKay's Flats to North West Bridge	North Esk	do ..	30 00
Jas. Fitzpatrick...	Black River.....	Napan	do ..	30 00
	Carried forward.....			6,983 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts 6,983 00
	<i>Queen's County.</i>			
Isaiah Langan.....	Salmon River.....	Chipman, W.O., Gas- pereaux.....	Warden...	30 00
John Secord.....	Canaan River.....	Longs' Creek, Johnston	do ...	30 00
I. T. Hetherington.	From Cole's Island to foot of Wash- demoak Lake.....	Jenkins, W. O. Johnston	Overseer...	100 00
Robert Philips.....	Headwaters, Washademoak Lake.....		Warden...	25 00
	<i>Restigouche County.</i>			
B. Ferguson.....	Little Dune River to Morris Rock.....	Dalhousie.....	Overseer...	100 00
A. McPherson, jun	Charlo River.....	Charlo, W.O.....	Warden ...	25 00
J. McMillan.....	Jacquet River.....	River Louison, W.O....	do ...	25 00
Dugald Carmichael	do from mouth to Kettle Hole	do	do ...	25 00
John Mowat.....	That part of Bay des Chaleurs front- ing on the County of Restigouche and extending from Belledune Point upwards to Campbellton; together with the Rivers Restigouche, Upsal- quitch, Eei, Charlot, Jacquet and their tributaries.....	Dee Side, P.Q.....	Overseer...	
	<i>Sunbury County.</i>			
G. W. Hoben.....	St. John River, Indiantown, to County line of York.....	Burton, W O.....	Overseer...	100 00
W. E. Taylor.....		Sheffield.....	Warden ...	39 00
	<i>St. John County.</i>			
Joseph O'Brien.....	St. John County.....	Carleton, St. John.....	Overseer...	150 00
Wm. E. Skillen.....	Eastern part of St. John County, from Quaco Head to Goose River.....	St. Martins.....	do ...	100 00
	<i>Victoria County.</i>			
O. McClusky.....	County of Victoria.....	Grand Falls.....	Overseer ..	100 00
Chas. Roberts.....	Lower Division, Tobique River.....	Andover.....	Warden ...	30 00
Jno. McDougall....	Three Brooks, branch of Tobique River.....	Rocky Brook, Parish of Lorne.....	do ...	30 00
Jno. C. McCloskey	Salmon River.....	Andover.....	do ...	30 00
Donald Fraser.....	Tobique River.....	Arthurette, W O.....	do ...	30 00
Thos. Edgar.....	Middle Division, Tobique River.....	Three Rivers.....	do ...	30 00
Edward Maloney...	Upper Division do.....	Tobique River, Parish of Lorne.....	do ...	30 00
	<i>Westmoreland County.</i>			
W. B. Deacon.....	Shediac Harbour and River.....	Shediac.....	Overseer..	100 00
D. T. Cormier.....	Dorchester Bay.....	Gautreau Village.....	do ...	60 00
Hugh Davidson....	Bay Verte, Port Elgin and Tidnish Rivers.....	Bay Verte.....	do ...	100 00
	Carried forward.....			8,263 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

PROVINCE OF NEW BRUNSWICK—Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward.....			\$ cts. 8,263 00
	<i>York County.</i>			
Robert Orr.....	County of York.....	Fredericton.....	Overseer...	150 00
J. Campbell.....	Grand Pass, on St. John River, upwards from Crock's Point to Lower Line of York County, including Nashwaak River.....	Kingsclear, W.O., Fredericton.....	Warden ...	60 00
Wm. Brown.....	St. John River, from Upper Line of York County to Crock's Point, on River St. John.....	Southampton.....	do ...	60 00
A. Moir.....	From Price's Bend to Burnt Hill, S.W. Miramichi.....	Bloomfield.....	do ...	30 00
	Total.....			8,563 00

PROVINCE OF PRINCE EDWARD ISLAND.

J. Hunter Duvar...	Prince Edward Island.....	Alberton.....	Inspector of Fisheries.....	800 00
	<i>Queen's County.</i>			
Michael Ready.....	Winter River.....		Warden...	30 00
Lionel Garnam.....	do		do ...	30 00
John McMillan.....	Vernon River.....		do ...	30 00
Chas. Stephenson...	New Glasgow.....		do ...	30 00
James Power.....	Huntley and Wheatley Rivers.....		do ...	30 00
Jonathan Delaney...	New London.....		do ...	30 00
John Mathieson...	Bonshaw, from Appin Road to Dog River and from South Wiltshire Road to the Coast.....	West River	do ...	30 00
Finlay Mackenzie...	Lots 60 and 62.....	Pinette River.....	do ...	30 00
Francis Stanley.....	Charlottetown, including East, West and North Rivers.....	Charlottetown.....	do ...	30 00
Wm. Whitehead...	South West River.....		do ...	30 00
Thomas Murphy...	Trout River.....		do ...	30 00
	<i>Prince County.</i>			
James T. Reid.....	Miminigash.....	Miminigash.....	Warden...	30 00
James Ramsay.....	Lot 13, Trout River.....	Lot 13.....	do ...	30 00
Hugh McIntosh.....	Lot 14 do	Lot 14.....	do ...	30 00
Abraham Wail.....	Dunk River, Lot 25	Lot 25.....	do ...	30 00
Patrick McBride...	do do	do	do ...	30 00
William Burns.....	do do	do	do ...	30 00
Laurence Phee.....	Nail Pond and Skinner's Pond.....	Nail Pond.....	do ...	30 00
John Beaton.....	Lots 5, 6 and 10.....	Lot 10.....	do ...	30 00
Geo. A. Sharpe...	Lot 12, on the Narrows.....	Lot 12.....	do ...	30 00
	Carried forward.....			1,400 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—*Continued.*

PROVINCE OF PRINCE EDWARD ISLAND.—*Concluded.*

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 1,400 00
	<i>Prince County—Concluded.</i>			
Patrick Delaney...	Summerside, including Bedeque Bay and South part of Richmond Bay...		Warden ...	30 00
John Chaisson (Chapel)	Tignish, from line of lot No. 2, northward, to include Little and Big Tignish, and westward to Railway.	Tignish.	do ...	30 00
Peter Aylward.....	Skinner's Pond, southward, from south end of Nail Pond to Black Pond, inclusive, and East to Railway.....	do	do ...	30 00
Alex. McDonald ...	Cascumpeque Bay and Inlet, from the Narrows to Kildare Capes.....	Alberton.....	do ...	30 00
Thos. Drummond..	Dunk River.....	Freetown.	do ...	30 00
	<i>King's County.</i>			
Andrew Whelan...	Souris River	Souris River.....	Warden....	30 00
Allan McDonald ...	North Lake.....	North Lake.....	do ...	30 00
Malcolm Mathewson.	Grand River.....	Grand River.....	do ...	30 00
Edmund Aitken....	Bay Fortune River.....	Bay Fortune River.....	do ...	30 00
John McDonald.....	Naufrage River.....	Naufrage River.....	do ...	30 00
Daniel Reilly.....	Montague, from Georgetown Road to Whim Road, and from County Line to the Coast.....	Montagne River	do ...	30 00
John Lowe.....	Murray Harbour and River, including Lots 63 and 64.....	Murray Harbour.....	do ...	30 00
Peter Duffy	St. Peter's and Morell		do ...	30 00
James Mitchell.....	First District of Morell.	Peake's Road.....	do ...	30 00
John O'Brien.....	Second do	Morell River.....	do ...	30 00
Pat McCullough...	Third do	Peake's Road.....	do ...	30 00
J. H. Dingwell.....	Fourth do	Morell River.....	do ...	30 00
	Total			1,910 00

PROVINCE OF BRITISH COLUMBIA.

Alex. C. Anderson	British Columbia.....	Victoria.....	Inspector Fisheries..	600 00
Geo. Pettendreich	do	New Westminster.....	Overseer...	500 00
	Total.....			1,100 00

SCHEDULE of Fishery Officers in the several Provinces, etc.—Continued.

RECAPITULATION.

Samuel Wilmot, Superintendent Fish-Breeding Establishments in the Dominion.....	2,000 00
Ontario.....	6,305 00
Quebec.....	6,415 00
Nova Scotia.....	10,700 00
New Brunswick.....	8,563 00
Prince Edward Island.....	1,910 00
British Columbia.....	1,100 00
Total.....	36,993 00

JAMES C. POPE,
Minister of Marine and Fisheries.

(Certified.)

W. F. WHITCHER,
Commissioner of Fisheries.

APPENDIX No. 2.

STATEMENT of Expenditure on account of Fisheries, for the Fiscal Year ended 30th June, 1879.

To whom paid.	Service.	Amount.	Total.
ONTARIO.		\$	cts.
J. W. Kerr.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	500	00
Chas. Gilchrist.....	do	400	00
Chas. L. Bingham.....	do	250	00
James Patton.....	do	250	00
George Cochrane.....	do	250	00
Peter Kiel.....	do	200	00
E. Boismier.....	do	200	00
D. McMaster.....	do	200	00
Chas. Wilkins.....	do	200	00
John Mooney.....	do	200	00
P. McCann.....	do	200	00
Alfred Knight.....	do	150	00
W. E. Foot.....	do	125	00
A. C. McKinnon.....	do	100	00
Jos Wilson.....	do	100	00
G. S. Miller.....	do	100	00
G. B. Abrey.....	do	100	00
James Muir.....	do	100	00
Henry Lawe.....	do	100	00
Samuel Frazer.....	do	100	00
James Dickson.....	do	100	00
J. Wallace.....	do	50	00
J. D. McMillan.....	do	50	00
A. J. Harrington.....	do	50	00
J. McAllister.....	do	50	00
J. G. Wilcox.....	do	50	00
Alex. McBride.....	do	50	00
Andrew Hughson.....	do	50	00
Alex. McKenzie.....	do	50	00
Andrew Telfer.....	do	50	00
Timothy McQueen.....	do	50	00
James Cummins.....	do	50	00
William McGown.....	do	50	00
J. A. Cameron.....	do	50	00
Wellington Hull.....	do	50	00
Wm. Hastings.....	do	50	00
Angus Brady.....	do	40	00
James McFadden.....	do	30	00
W. D. Pollock.....	do	30	00
Wm. Prosser.....	do	30	00
M. L. Russell.....	do	25	00
Henry Hunt.....	do	20	00
Thos. Cartier.....	do	20	00
Carried forward.....		4,870	00

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$	cts.
Brought forward.....		4,870	00
ONTARIO—Continued			
F. McRae.....	For 9 months and 9 days salary.....	116	20
J. Sutherland.....	15 do 23 do	131	29
W. Plews.....	9 do 12 do	78	28
D. Conger.....	9 do 12 do	78	28
John Lyon.....	10 do 17 do	67	62
Abraham Welbanks.....	9 do 12 do	58	71
Wesley Hicks.....	9 do 12 do	58	71
J. McGregor.....	9 do 5 do	57	27
D. Hamilton.....	9 do 18 do	39	96
H. Thompson.....	9 do 17 do	39	82
P. Hoff.....	9 do 12 do	39	14
J. L. Thompson.....	9 do 17 do	39	58
E. Ketchum.....	9 do 12 do	39	14
J. G. Hicks.....	4 months salary.....	33	33
John McMichael.....	6 do to 31st December, 1878.....	25	00
H. McFayden.....	do do	20	00
D. Bowen.....	do do	50	00
Robt. Watt.....	do do	50	00
J. Morrow.....	do do	12	50
Jos. Redmond.....	3 months salary as Fishery Overseer, to 30th June, 1879.....	75	00
J. R. Grabam.....	do do	25	00
Robt. Bell.....	do do	18	75
C. W. Raymond.....	do do	12	50
Wm. Pool.....	do do	12	50
W. H. Johnston.....	do do	12	50
A. E. Mills.....	do do	12	50
E. Deacon.....	do do	12	50
Wm. Hicks.....	do do	10	00
James Greer.....	do do	10	00
P. McCarron.....	2 do do	16	66
J. R. McDonald.....	do do	8	33
Terence McGarrity.....	2 months and 4 days salary.....	8	88
J. S. Webster.....	Salary as Special Fishery Constable.....	368	00
Wm. Fahey.....	do Special Guardian, Constant Bay and Creek	93	00
Archibald Boyd.....	do Special Guardian, Long Island.....	10	00
Thos. Harris.....	do do Credit River.....	20	00
Jas. Moon.....	do do Highland Creek....	10	00
Henry Moon.....	do do Rouge Creek.....	25	09
J. Proudfoot.....	do do Lyon Creek.....	20	00
J. Gordon.....	do do Duffin's Creek....	50	00
W. D. Gordon.....	do do do	40	00
C. Gilchrist.....	For 12 months disbursements as Fishery Overseer, to 30th June, 1879	748	60
J. W. Kerr.....	do do	475	58
J. Wilson.....	do do	362	00
Chas. Wilkins.....	do do	317	00
S. Frazer.....	do do	266	65
Jas. Patton.....	do do	248	50
C. L. Bingham.....	do do	178	00
John Mooney.....	do do	115	10
Geo. Cochrane.....	do do	107	80
Peter McCann.....	do do	101	86
A. J. Harrington.....	do do	94	25
Robert Watt.....	do do	91	10
A. C. McKinnon.....	do do	89	50
Carried forward.....		9,971	89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
Brought forward.....		\$ 9,971	cts. 89
ONTARIO—Concluded.			
Peter Kiel.....	For 12 months' disbursements as Fishery Overseer, to 30th June, 1879.....	85	50
E. Boismier.....	do do.....	85	00
James Dickson.....	do do.....	82	50
W. E. Foot.....	do do.....	75	34
D. Hamilton.....	do do.....	52	40
F. McRae.....	do do.....	48	50
John Wallace.....	do do.....	45	00
Alex. McKenzie.....	do do.....	39	33
G. S. Miller.....	do do.....	38	75
J. L. Thompson.....	do do.....	37	75
J. McAllister.....	do do.....	31	25
Wesley Hicks.....	do do.....	27	00
Wm. Plews.....	do do.....	24	00
John McGregor.....	do do.....	21	75
H. Lawe.....	do do.....	21	00
H. Hunt.....	do do.....	14	00
A. Telfer.....	do do.....	15	20
T. Cartier.....	do do.....	13	75
Jas. Muir.....	do do.....	12	60
A. Knight.....	do do.....	10	25
J. D. McMillan.....	do do.....	10	60
T. McQueen.....	do do.....	11	00
P. Huff.....	do do.....	10	00
W. Hastings.....	do do.....	8	80
E. Ketchum.....	do do.....	6	00
M. L. Russell.....	do do.....	8	40
D. Bowen.....	do do.....	2	75
John Bangs.....	Disbursements as Special Fishery Guardian, to 30th June, 1879.....	335	29
C. Barbeau.....	do do.....	131	45
J. Webster.....	do do.....	101	25
J. Grimes.....	do do.....	97	85
J. Pearce.....	do do.....	69	25
J. Daley.....	do do.....	35	00
Jas. Hughes.....	do do.....	33	90
W. Fahey.....	do do.....	43	50
J. O'Brien.....	do do.....	28	00
N. Morrison.....	do do.....	27	40
J. Purcell.....	do do.....	8	00
D. McRae.....	Repairs to boat.....	20	20
		11,741	40
QUEBEC.			
J. Mowat.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	300	00
C. Caron.....	do do.....	200	00
H. W. Austin.....	do do.....	200	00
R. W. H. Dimock.....	do do.....	200	00
P. Vibert.....	do do.....	200	00
W. C. Willis.....	do do.....	150	00
J. O. Bélanger.....	do do.....	150	00
P. C. Gobeil.....	do do.....	150	00
G. Mathurin.....	do do.....	150	00
J. B. Couillard.....	do do.....	150	00
Carried forward.....		1,850	00

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	
		\$ cts.	\$ cts.
	Brought forward.....	1,850 00	
QUÉBEC—Continued.			
Jules Gauvreau.....	For 12 months' salary as Fishery Overseer, to 30th June, 1879.....	100 00	
Vital Charest.....	do do.....	100 00	
Alfred Blais.....	do do.....	100 00	
J. J. Letourneau.....	do do.....	100 00	
L. P. Huot.....	do do.....	100 00	
Jean Legouvé.....	do do.....	100 00	
D. B. McGie.....	do do.....	100 00	
W. H. Whitely.....	do do.....	100 00	
S. F. Copp.....	do do.....	100 00	
J. B. Chevalier.....	do do.....	100 00	
P. Latraverse.....	do do.....	100 00	
M. Laurendeau.....	do do.....	100 00	
L. J. Loranger.....	do do.....	100 00	
Herm. Martin.....	do do.....	100 00	
W. McLeod.....	do do.....	100 00	
L. E. Grondin.....	do do.....	100 00	
John Phelan.....	do do.....	50 00	
J. E. Demeule.....	do do.....	50 00	
Job Bilodeau.....	do do.....	50 00	
J. J. Fox.....	do do.....	50 00	
P. E. Luke.....	do do.....	50 00	
Wm. Clyde.....	do do.....	50 00	
Andrew Watt.....	do do.....	50 00	
Jos. Boily.....	do do.....	50 00	
Jos. Simard.....	do do.....	40 00	
J. B. Gerin Lajoie.....	do do.....	40 00	
Olivier Lefêche.....	do do.....	40 00	
E. Tremblay.....	do do.....	30 00	
Geo. Gagnon.....	do do.....	30 00	
Cyrille Dubé.....	do do.....	30 00	
A. Filion.....	do do.....	30 00	
Alex. Beaton.....	do do.....	30 00	
Thos. Evans.....	do do.....	30 00	
G. L. Duguay.....	9 months' salary as Fishery Overseer, to 31st March, 1879.....	112 50	
Duncan Dewar.....	do do.....	22 50	
T. E. Saucier.....	6 months' salary as Fishery Overseer, from September, 1878, to March, 1879.....	75 00	
J. Girard.....	do do.....	50 00	
D. Rosa.....	6 months' salary as Fishery Overseer, to 31st December, 1878.....	25 00	
E. Chaurette.....	do do.....	25 00	
John Morris.....	3 months' salary as Fishery Overseer, to 30th June, 1879.....	50 00	
T. Mignault.....	do do.....	37 50	
Jos. Landry.....	do do.....	25 00	
R. W. Jones.....	do do.....	10 00	
J. J. Lamoureux.....	do do.....	10 00	
V. Veilleux.....	do do.....	10 00	
J. B. McDonald.....	2 do do.....	16 66	
Romuald Maltais.....	do do.....	4 16	
Chas. Potvin.....	do do.....	4 16	
J. F. Picotin.....	do do.....	2 08	
D. Bédard.....	Wages as Local Fishery Guardian, Fish Bay.....	85 00	
A. H. N. Bruce.....	do do Lake Megantic.....	70 83	
Thos. Gagnon.....	do do Anticosti.....	60 00	
	Carried forward.....	4,845 39	

STATEMENT of Expenditure on account of Fisheries, &c.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....	4,845 39	.....
QUEBEC—Continued.			
A. Malouin.....	Wages as Local Fishery Guardian, Anticosti...	60 00	
Alex. Wilson.....	do do Clarendon.....	20 00	
Dorilas Tremblay.....	do do Portneuf River...	10 00	
Benjamin Chambers.....	do do St. John River....	180 00	
C. F. Jeune.....	do do Romaine River...	64 00	
E. Doyle.....	do do do	64 00	
Alex. Mowat.....	do do Tide Head, Restigonche River...	150 00	
Robt. Pollock.....	do do Main Rest. Riv...	150 00	
John Campbell.....	do do Kedgewick Riv...	125 00	
Thos. Moors.....	do do Rest. River.....	120 00	
A. Kerr.....	do do Nouvelle River...	50 00	
D. Brown.....	do do Escumencac Riv...	50 00	
Jos. Simard.....	do as Assistant Guardian, Grand Lac Nairne.....	7 80	
H. G. Patterson.....	do as Guardian, St. John River.....	132 75	
A. Fairbairn.....	do do Gatineau Lakes.....	37 50	
Thos. McCallum.....	do as Local Guardian, Barachois River...	25 00	
John Davis, jun.....	do do St. John River....	50 00	
Jos. Eden, jun.....	do do South West River..	25 00	
J. S. Webster.....	Salary as Special Fishery Constable	362 00	
C. Barbeau.....	Wages as Fishery Guardian, Ottawa River....	186 00	
P. Stephens.....	do do L. Memphremagog..	102 00	
E. Vallée.....	do do do	76 50	
Joseph Radford.....	12 months' disbursements as Fishery Overseer, to 30th June, 1879	802 06	
John Mowat.....	do do	549 30	
P. Vibert.....	do do	559 84	
S. F. Copp.....	do do	239 00	
W. C. Willis.....	do do	213 70	
F. C. Caron.....	do do	169 25	
L. E. Grondin.....	do do	166 50	
Daniel Rosa.....	do do	153 08	
Jules Gauvreau.....	do do	112 61	
V. Charest.....	do do	106 10	
G. Mathurin.....	do do	127 50	
D. B. McGie.....	do do	119 63	
G. L. Duguay.....	do do	110 50	
P. E. Luke.....	do do	73 09	
Alex. Beaton.....	do do	60 00	
H. W. Austin.....	do do	59 15	
J. B. Chevalier.....	do do	51 75	
Oliver Laféche.....	do do	50 00	
T. E. Saucier.....	do do	50 00	
Jos. Boily.....	do do	42 00	
John Phelan.....	do do	30 00	
J. O. Bélanger.....	do do	112 35	
Wm. McLeod.....	do do	78 50	
J. B. Couillard.....	do do	97 00	
R. W. H. Dimock.....	do do	92 74	
H. Martin.....	do do	97 50	
J. E. Demeule.....	do do	28 00	
Job Bilodeau.....	do do	26 00	
Jacques Girard.....	do do	100 00	
J. F. Saillant.....	do do	175 82	
And. Watt.....	do do	20 50	
P. Latraverse.....	do do	25 00	
	Carried forward.....	11,591 41	.....

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....	11,591 41	
	QUEBEC—Concluded.		
John Morris.....	For 12 months' disbursements as Fishery Overseer, to 30th June, 1879.	75 65	
J. J. Letourneau.....	do do	57 67	
J. J. Fox.....	do do	48 00	
Thos. Evans.....	do do	13 15	
P. C. Gobiél.....	do do	144 81	
Jean Legouvé.....	do do	104 00	
Duncan Dewar.....	do do	12 14	
Wm. Clyde.....	do do	16 00	
G. P. Huot.....	do do	9 89	
W. F. Whitcher.....	Disbursements as Commissioner of Fisheries...	200 00	
S. P. Bauset.....	do Assist. do	60 00	
Cyrille Barbeau.....	Disbursements as Special Fishery Constable, to 30th June, 1879.....	391 74	
A. Fairbairn.....	do do	140 35	
J. S. Webster.....	do do	112 00	
David Bédard.....	do do	70 00	
André Eschemback.....	do do	59 70	
Jas. Pearce.....	do do	54 00	
James Hughes.....	do do	28 00	
G. R. Barbeau.....	do do	25 00	
Pat. Mullin.....	do do	21 00	
C. Laframboise.....	do do	20 00	
Leon Carpentier.....	To pay claims for fishing privileges at Fish Bay.....	110 00	
David Bédard.....	do do	100 00	
Arch. Campbell.....	To pay for leases of lots comprising Government Fish-Breeding Ponds at Campbell's Bay.....	60 00	
Jules Taché.....	Compiling Map of Bay Chaleur Fishing Stations ...	20 00	
E. Roy.....	Professional services in suit for violation of Fishery Laws against P. Vardon.....	20 00	
J. O. Archambault.....	Drawing an registering deeds, Campbell's Bay.....	15 05	
J. Girard.....	Building shanty for Guardian R. Amars.....	14 50	
A. Fairbairn.....	Canoe for use of Gatineau Fishery Guardian.....	12 00	
	Total.....		13,606 06
	NOVA SCOTIA.		
	SALARIES OF FISHERY OVERSEERS AND WARDENS.		
	<i>County of Annapolis.</i>		
W. T. Carty.....	12 months' salary, to 30th June, 1879.....	120 00	
Thos. Devers.....	do do	25 00	
Miner Clark.....	do do	25 00	
J. H. Pineo.....	do do	25 00	
Chas. Barteau.....	do do	25 00	
J. B. Dobson.....	do do	25 00	
A. F. Morton.....	do do	25 00	
J. H. Parker.....	do do	25 00	
Geo. Vroom.....	2 do do	4 17	
	Carried forward.....		299 17
			299 17

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward		299 17
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Antigonish.</i>			
A. W. McDonald.....	12 months' salary, to 30th June, 1879	125 00	
Angus McDonald.....	do do	25 00	
J. R. Aymer.....	do do	25 00	
Albert Randall.....	do do	15 00	
Colin Chisholm.....	do do	25 00	
Lochlin Cameron.....	do do	30 00	
James Cumming.....	do do	20 00	
John Dexter.....	do do	30 00	
Donald Chisholm.....	do do	25 00	
Alex. McAdam.....	do do	25 00	
Hugh Cameron.....	do do	25 00	
Duncan Frazer.....	do do	20 00	
James Chisholm.....	do do	25 00	
James McDougald.....	do do	25 00	
			440 00
<i>County of Cape Breton.</i>			
Francis Quinan.....	12 months' salary, to 30th June, 1879.....	120 00	
Anthony Spencer.....	do do	25 00	
J. McEachen.....	do do	25 00	
Thomas Moore.....	do do	20 00	
Donald McDonald.....	do do	20 00	
Alex. McLean.....	do do	20 00	
Alex. McDonald.....	do do	120 00	
Angus Morrison.....	do do	25 00	
Denis Murphy.....	do do	25 00	
Donald McDonald.....	do do	25 00	
M. McLellan.....	do do	25 00	
Patrick Keeffe.....	do do	25 00	
Donald McCormack.....	do do	25 00	
John McNeil.....	do do	25 00	
Wm. Burke.....	do do	25 00	
Allan McAdam.....	do do	25 00	
York Barrington.....	do do	120 00	
			695 00
<i>County of Colchester.</i>			
Samuel Frame.....	12 months' salary, to 30th June, 1879.....	25 00	
R. J. Pollock.....	do do	75 00	
G. Fulton.....	do do	25 00	
James Bonyman.....	do do	40 00	
J. W. Davidson.....	do do	100 00	
J. Urquhart.....	do do	50 00	
Wm. McElheney.....	do do	25 00	
Henry Urquhart.....	do do	25 00	
Thos. Davidson 2nd.....	do do	25 00	
	Carried forward.....	390 00	1,434 17

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 390 00	\$ cts. 1,434 17
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Colchester—Concluded.</i>			
Geo. Moore.....	12 months' salary, to 30th June, 1879.....	25 00	
M. G. Murray.....	do do do	25 00	
Wm. Winton.....	do do do	25 00	
Alfred Wright.....	do do do	25 00	
G. N. Christie.....	6 months' do to 31st December, 1879.....	12 50	
Henry Blair.....	3 months' do to 30th June, 1879	25 00	
Timothy Johnston	do do do	6 25	
			533 75
<i>County of Cumberland.</i>			
Isaac J. Hingley.....	12 months' salary, to 30th June, 1879.....	100 00	
Oliver Fillmore.....	do do do	25 00	
J. W. Moore.....	do do do	25 00	
J. Brownell.....	do do do	25 00	
Asa Fillmore.....	do do do	25 00	
James King.....	do do do	100 00	
David Corbett.....	do do do	25 00	
Moses Harrison.....	do do do	25 00	
F. L. Jenks.....	do do do	25 00	
Elijah Fowler.....	do do do	30 00	
Collingwood Pugsley.....	do do do	25 00	
Henry Fountain.....	do do do	30 00	
			450 00
<i>County of Digby.</i>			
J. H. Morehouse.....	For 12 months' salary, to 30th June, 1879.....	120 00	
A. L. Gavit	do do do	25 00	
J. M. Devault.....	do do do	25 00	
Lochlin McKay.....	do do do	25 00	
Robert Journey.....	do do do	25 00	
J. P. Thibodeau.....	do do do	25 00	
H. E. Payson.....	do do do	50 00	
L. A. Melancon.....	do do do	75 00	
			370 00
<i>County of Guysborough.</i>			
James A. Tory.....	For 12 months' salary, to 30th June, 1879.....	150 00	
James Cook.....	do do do	25 00	
James Cahill.....	do do do	20 00	
Charles Kenney.....	do do do	15 00	
Donald Gunn.....	do do do	30 00	
Wm. Pride.....	do do do	30 00	
			270 00
	Carried forward.....	270 00	2,797 92

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward,.....	\$ cts. 270 00	\$ cts. 2,797 92
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
County of Guysborough—Concluded.			
Edward Jordan.....	For 12 months' salary, to 30th June, 1879.	30 00	
Robert McKay.....	do do	15 00	
J. R. Bruce.....	do do	10 00	
James Nickerson.....	do do	15 00	
Allan McQuarrie.....	do do	40 00	
John McDaniel.....	do do	100 00	
Adam Kirk.....	do do	30 00	
Alex. Ross.....	do do	25 00	
B. McC. Sinclair.....	do do	20 00	
Thomas McKeen.....	do do	30 00	
Luke Harpell.....	do do	15 00	
Duncan Cameron.....	do do	20 00	
Fred. Mattie.....	do do	15 00	
			635 00
County of Halifax.			
Wm. Anderson.....	For 12 months' salary, to 30th June, 1879.....	150 00	
James Blakely.....	do do	30 00	
Wm. Hall.....	do do	40 00	
John Fitzgerald.....	do do	150 00	
Arch. Kidston.....	do do	40 00	
Nathaniel Mason.....	do do	40 00	
Donald McClean.....	do do	30 00	
Henry Balcom.....	do do	30 00	
John McCurdy.....	do do	30 00	
Neil McLean.....	do do	40 00	
James Gardner.....	do do	30 00	
John Taylor.....	do do	30 00	
George Parker.....	do do	30 00	
George Keizer.....	do do	30 00	
James Miller.....	do do	20 00	
Daniel Mosher.....	do do	20 00	
W. G. Walker.....	do do	25 00	
James Crook.....	do do	40 00	
F. G. Tolson.....	do do	30 00	
Daniel Cameron.....	do do	15 00	
John Frazer.....	6 months do to 30th June, 1878		880 00
County of Hants.			
P. S. Burnham.....	For 12 months' salary, to 30th June, 1879.....	100 00	
James Mosher.....	do do	30 00	
T. B. O'Brien.....	do do	100 00	
Joseph Mosher.....	do do	50 00	
J. M. O'Brien.....	do do	30 00	
J. B. Colter.....	do do	30 00	
			340 00
	Carried forward.....		4,652 92

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward		4,652 92
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
County of Inverness.			
M. A. Ross.....	For 12 months' salary, to 30th June, 1879.....	100 00	
Hugh Gillies	do do	100 00	
Peter Coady	do do	25 00	
Neil McKay.....	do do	25 00	
John Cameron.....	do do	100 00	
John Meagher	do do	25 00	
Kenneth McKenzie.....	do do	25 00	
Michael McDonald	do do	25 00	
A. McLellan.....	do do	25 00	
Hugh Cameron.....	do do	25 00	
James McGarry.....	do do	25 00	
Malcolm McLeod.....	do do	25 00	
Mark Crowdis	do do	25 00	
Geo. Ingraham.....	do do	25 00	
John Carroll.....	do do	25 00	
Donald McDonald	do do	25 00	
Malcolm McKay.....	do do	20 00	
Donald McDonald.....	do do	25 00	
			670 00
County of Kings.			
Adolphus Bishop.....	For 12 months' salary, to 30th June, 1879.....	125 00	
J. E. Starr.....	do do	250 00	
W. McIntyre.....	do do	60 00	
Irad Benjamin.....	do do	20 00	
John Buchanan.....	do do	20 00	
Elias Bishop.....	do do	20 00	
			495 00
County of Lunenburg.			
George Redden.....	For 12 months' salary, to 30th June, 1879.....	100 00	
Geo. Moland.....	do do	25 00	
James Corkum.....	do do	25 00	
Wm. Mosher.....	do do	25 00	
John Hutt.....	do do	25 00	
James Lanquille.....	do do	25 00	
H. S. Jost	do do	100 00	
Charles Pernette.....	do do	25 00	
James Mossman.....	do do	25 00	
John Andrews.....	do do	25 00	
G. A. Nesbitt.....	do do	25 00	
Eli Hebb.....	do do	25 00	
Edward Boylan.....	do do	25 00	
Wm. Croft.....	do do	25 00	
John Artz.....	11 do do	22 92	
Edward Morgan.....	do do	22 92	
			545 84
	Carried orward.....		6,363 76

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....		6,363 76
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Pictou.</i>			
John McDonald.....	For 12 months' salary, to 30th June, 1879.....	170 00	
John McKay.....	do do.....	25 00	
Donald Rankin.....	do do.....	25 00	
Wm. Stewart.....	do do.....	25 00	
Daniel McLean.....	do do.....	30 00	
David Marshall.....	do do.....	140 00	
John Turner.....	do do.....	25 00	
Wm. Smith.....	do do.....	25 00	
Robt. Archibald.....	do do.....	25 00	
David Lanquille.....	do do.....	25 00	
Geo. McKenzie.....	do do.....	25 00	
John McDonald.....	do do.....	25 00	
P. Delaney.....	do do.....	25 00	
Wm. Frazer.....	do do.....	25 00	
Donald Frazer.....	do do.....	25 00	
Donald Miller.....	do do.....	20 00	
William Evans.....	7 months and 11 days salary.....	15 33	
Samuel Frazer.....	Arrears of salary, from 1st Jan. to 1st May, 1874.....	12 36	687 60
<i>County of Queens.</i>			
S. T. N. Sellon.....	For 12 months' salary, to 30th June, 1879.....	190 00	
Stephen Clements.....	do do.....	25 00	
T. Ford.....	do do.....	50 00	
Henry Hooker.....	do do.....	30 00	
John Fitzgerald.....	do do.....	30 00	
Barnabas Miles.....	do do.....	20 00	
Stephen Smith.....	do do.....	20 00	
Jonathan Smith.....	do do.....	15 00	
James Farquhar.....	do do.....	30 00	
Solomon Lonas.....	do do.....	30 00	
Geo. Snadden.....	do do.....	20 00	460 00
<i>County of Richmond.</i>			
Duncan Cameron.....	For 12 months' salary, to 30th June, 1879.....	125 00	
P. W. Crouchy.....	do do.....	30 00	
J. Procton, sen.....	do do.....	20 00	
Abraham Sampson.....	do do.....	30 00	
Justinien Sampson.....	do do.....	30 00	
Charles Grant.....	do do.....	20 00	
Alex. Smith.....	do do.....	30 00	
Edward Madden.....	do do.....	30 00	
George Donohoe.....	do do.....	30 00	
Patrick Kyte.....	do do.....	25 00	
Felix Gerroir.....	do do.....	25 00	
Wm. Kehoe.....	do do.....	25 00	
J. Marchison.....	do do.....	30 00	
Edward Ballam.....	do do.....	107 61	
Frs. Marmeau.....	do do.....	20 83	578 44
	10 do		
	2 do		
	Carried forward.....		8,089 89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
Brought forward.....		\$ cts.	\$ cts. 8,089 89
NOVA SCOTIA—Continued.			
SALARIES, ETC.—Continued.			
County of Shelburne.			
Samuel Muir	For 12 months salary to 30th June, 1879.....	125 00	
M. Greenwood	do do	20 00	
George Archer.....	do do	15 00	
Richard McGill.....	do do	20 00	
James Turner.....	do do	30 00	
P. Crowell.....	do do	20 00	
Henry Ackerman.....	do do	20 00	
Wm. McKay.....	6 months salary, to 31st December, 1878...	10 00	260 00
County of Victoria.			
J. W. Burke.....	For 12 months salary, to 30th June, 1879.....	120 00	
Donald McRae.....	do do	120 00	
John McLellan.....	do do	25 00	
John McDonald.....	do do	25 00	
Donald McQuarrie.....	do do	25 00	
Donald McMillan.....	do do	25 00	
Donald McAulay.....	do do	25 00	
Hector McKenzie.....	do do	25 00	
Donald McRae.....	do do	25 00	
Francis Arnold.....	do do	25 00	
Angus McDonald.....	do do	30 00	
Kenneth Campbell.....	do do	30 00	
Roderick Beaton.....	do do	30 00	
Wm. Foyle.....	do do	30 00	
John McCharles.....	do do	30 00	
Donald Bochaman.....	do do	30 00	
Malcolm McIver.....	do do	30 00	
John Guinn.....	do do	30 00	
George Burton.....	do do	30 00	
Joseph Hellen.....	do do	30 00	740 00
County of Yarmouth.			
Enos Gardner.....	For 12 months salary, to 30th June, 1879.....	150 00	
J. A. Hatfield.....	do do	50 00	
Wm. Kavanagh.....	do do	25 00	
Wm. Prosser.....	do do	25 00	
Eustace Nickerson.....	do do	25 00	
Edward Perry.....	do do	25 00	
Jerome Doucette.....	do do	30 00	
Vital Muise.....	do do	25 00	
Joseph M. White.....	do do	25 00	
Wm. Thurston.....	do do	25 00	
Jas. Brand.....	do do	25 00	430 00
Carried forward.....			9,519 89

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
Brought forward.....			9,519 89
NOVA SCOTIA—Continued.			
DISBURSEMENTS OF FISHERY OVERSEERS.			
Enos Gardner.....	For 12 months disbursements, to 31st Dec., 1878...	171 00	
N. T. N. Sellon.....	do do	144 37	
Samuel Muir.....	do do	127 14	
John Cameron.....	do do	82 96	
W. T. Carty.....	do do	75 20	
Wm Anderson.....	do do	74 50	
M. A. Ross.....	do do	65 50	
James A. Tory.....	do do	65 29	
Francis Quinan.....	do do	64 00	
J. E. Starr.....	do do	54 50	
T. B. O'Brien.....	do do	53 45	
George Redden.....	do do	53 00	
D. McRae, jun.....	do do	50 85	
Alex. McDonald.....	do do	50 50	
E. H. Ballam.....	do do	48 50	
John Fitzg-rald.....	do do	47 86	
J. W Davidson.....	do do	45 50	
Peter Coady.....	do do	45 50	
J. H. Morehouse.....	do do	45 25	
Adolphus Bishop.....	do do	44 25	
John McDaniel.....	do do	42 55	
Henry S. Jost.....	do do	40 00	
John McDonald.....	do do	39 00	
P. S. Burnham.....	do do	35 00	
L. A. Melançon.....	do do	33 45	
Yorke Barrington.....	do do	33 00	
James King.....	do do	33 00	
Duncan Cameron.....	do do	31 00	
J. W. Burke.....	do do	30 80	
Alex. McDonald.....	do do	29 24	
Hugh Gillies.....	do do	24 00	
Isaac J. Hingley.....	do do	23 00	
H. E. Payson.....	do do	12 75	
James Bonyman.....	do do	10 00	
			1,825 91
W. H. Rogers.....	12 months salary as Inspector of Fisheries, to 30th June, 1879.....	\$979 98	
Receiver-General.....	Superannuation tax on W.H. Rogers' salary.....	20 00	
			999 98
W. H. Wyld.....	6 months salary as Inspector of Fisheries, to 31st Dec., 1878.....	\$685 98	
Receiver-General.....	Superannuation tax on W. H. Wyldes salary.....	21 00	
			706 98
W. H. Rogers.....	Disbursements as Inspector of Fisheries.....	1,000 00	
W. H. Wyld.....	do do	200 00	
W. H. Rogers.....	Allowance for office fittings and furniture.....	50 00	
G. B. Vanderwort.....	Map of Dartmouth.....	10 00	
			2,966
Total.....			14,312 70

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
NEW BRUNSWICK.		\$ cts.	\$ cts.
SALARIES OF FISHERY OVERSEERS AND WARDENS.			
<i>County of Albert.</i>			
Winthrop Akerley.....	For 12 months salary, to 30th June, 1879.....	100 00	
Wallace Taylor.....	do do.....	40 00	
C. McLatchey.....	do do.....	40 00	
Jacob Beck.....	do do.....	30 00	
J. C. Kinne.....	do do.....	40 00	
B. Oliver.....	do do.....	40 00	290 00
<i>County of Carleton.</i>			
George Burt.....	For 12 months salary, to 30th June, 1879.....	30 00	
J. W. Scott.....	do do.....	30 00	
W. Thompson.....	do do.....	30 00	
Hugh Miller.....	6 months salary, to 31st December, 1878.....	15 00	
Hugh Harrison.....	do do.....	16 67	121 67
<i>County of Charlotte.</i>			
B. L. Cunningham.....	For 12 months salary, to 30th June, 1879.....	70 00	
James Brown.....	do do.....	100 00	
W. B. McLaughlin.....	do do.....	240 00	
Samuel Dick.....	do do.....	30 00	
Robt. Dixon.....	do do.....	30 00	
Leonard Best.....	do do.....	100 00	
J. M. Lord.....	do do.....	70 00	
James Russell.....	do do.....	30 00	
Andrew Gilmour.....	do do.....	30 00	
Edward Carroll.....	do do.....	30 00	
J. Thompson.....	do do.....	30 00	
Frank Todd.....	9 months salary.....	90 00	
John Catharan.....	6 do to 31st December, 1878.....	25 00	875 00
<i>County of Gloucester.</i>			
James Hickson.....	For 12 months salary, to 30th June, 1879.....	250 00	
Wm. Bateman.....	do do.....	50 00	
Juste Haché.....	do do.....	100 00	
Justinien Savoy.....	do do.....	30 00	
J. L. Veno.....	do do.....	30 00	
Fred. Comeau.....	do do.....	40 00	
Miles Dempsey.....	do do.....	30 00	
Timothy Coughlon.....	do do.....	30 00	
Wm. Rogers.....	do do.....	25 00	
J. Calnan, jun.....	do do.....	25 00	
Alexis Landry.....	do do.....	50 00	
Adolphe Haché.....	do do.....	30 00	
C. Lanteigne.....	14 do do.....	45 00	735 00
Carried forward.....			2,021 67

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
		\$ cts.	\$ cts.
	Brought forward.....		2,021 07
NEW BRUNSWICK—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Kent.</i>			
Chas. Carmier	For 12 months salary, to 30th June, 1879.....	100 00	
J. McD. Sutherland.....	do do	75 00	
F. B. Legaré.....	do do	30 00	
James Harnett	do do	30 00	
Lazare Guimon	do do	75 00	
Nicholas Muzzeroll	10 months and 13 days salary	50 00	
M. A. Girouard.....	2 do do	37 50	
			397 50
<i>County of Kings.</i>			
Samuel Gosline.....	For 12 months salary, to 30th June, 1879.....	100 00	
S. F. Ryan.....	do do	30 00	
S. Gamblain.....	do do	30 00	
N. H. DeVeber.....	do do	43 43	
J. A. Belyea.....	do do	8 33	
			211 76
<i>County of Northumberland.</i>			
Prudent Robichaux.....	For 12 months salary, to 30th June, 1879.....	100 00	
John Hogan.....	do do	400 00	
Aaron Hovey.....	do do	30 00	
George Bryenton.....	do do	30 00	
Kenneth Cameron.....	do do	100 00	
Patrick Bergin.....	do do	30 00	
Thomas Smith.....	do do	30 00	
Patrick Gillis.....	do do	30 00	
Denis Hogan.....	do do	30 00	
Michael Donovan.....	do do	18 00	
Henry Oldfield.....	do do	30 00	
Findlay McDairmaid.....	do do	30 00	
John Williston.....	do do	100 00	
James Russell.....	do do	150 00	
Thos. Taylor.....	do do	50 00	
John Stymast.....	do do	50 00	
Samuel Freeze.....	do do	100 00	
Nat. Morehouse.....	do do	30 00	
J. T. Coughlan.....	do do	30 00	
John Doyle.....	do do	30 00	
Peter Russell.....	do do	30 00	
Wm. Blake.....	10 months and 16 days salary.....	43 84	
Amos Perley.....	do do	87 70	
Wm. Cushman.....	do do	140 33	
N. B. T. Underhill.....	do do	140 33	
Thos. McKenzie.....	do do	26 29	
John Holmes.....	do do	43 84	
Jas. A. Somers.....	do do	26 28	
Wm. Wyse.....	2 do do	33 33	
Daniel Matthews.....	do do	5 00	
Chris. Parker.....	do do	26 66	
John Blake.....	do do	11 66	
Angus McIntosh.....	do do	5 00	
			2,630 93
Carried forward.....		2,018 25	2,630 93

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 2,018 25	\$ cts. 2,630 93
NEW BRUNSWICK—Continued.			
SALARIES, ETC.—Continued.			
<i>County of Northumberland—Concluded.</i>			
Tubal Watling.....	For 2 months salary, to 30th June, 1879.....	5 00	
Jared Blackmore.....	do do	8 33	
Samuel Holt.....	do do	26 66	
Samuel Kingston	do do	8 33	
Patrick Keating	do do	5 00	
James Fitzpatrick	do do	8 75	
			2,080 33
<i>County of Queens.</i>			
Isaiah Langan.....	For 12 months salary, to 30th June, 1879.....	30 00	
John Secord	do do	30 00	
Isaac T. Hetherington....	do do	100 00	
W. H. Clark.....	do do	25 00	
J. J. Camp	do do	30 00	
Robt. McMann	do do	25 00	
Robt. Philips.....	do do	25 00	
C. Eastabrook.....	do do	30 00	
Solomon Thorne.....	do do	30 00	
R. P. Yeoman	do do	30 00	
Hiram Starkey.....	do do	30 00	
I. T. Hetherington.....	Arrears of increase of salary.....	81 66	
			466 66
<i>County of Restigouche.</i>			
Ebenezer Ferguson.....	For 12 months salary, to 30th June, 1879.....	100 00	
A. McPherson, jun	do do	25 00	
J. McMillan	do do	25 00	
Dugald Carmichael.....	do do	25 00	
			175 00
<i>County of Sunbury.</i>			
G. W. Hoben.....	For 12 months salary, to 30th June, 1879.....		100 00
<i>County of St. John.</i>			
Joseph O'Brien.....	For 12 months salary, to 30th June, 1879.....	150 00	
W. E. Skillen.....	do do	100 00	
			250 00
<i>County of Victoria.</i>			
Charles McCluskey	For 12 months salary, to 30th June, 1879.....	100 00	
Charles Roberts.....	do do	30 00	
Juhn McDougall	do do	30 00	
Geo. Bedell.....	do do	30 00	
Donald Frazer.....	do do	30 00	
Thos. Edgar.....	do do	30 00	
Edward Maloney.....	do do	30 00	
			280 00
	Carried forward.....		5,992 91

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.	
	Brought forward	\$ cts.	\$ cts. 5,982 91	
NEW BRUNSWICK—Continued.				
SALARIES, ETC.—Concluded.				
<i>County of Westmoreland.</i>				
W. B. Deacon.....	For 12 months salary, to 30th June, 1879.....	100 00	260 00	
D. T. Cormier.....	do do	60 00		
Hugh Davidson.....	do do	100 00		
<i>County of York.</i>				
J. Campbell.....	For 12 months salary, to 30th June, 1879	60 00	150 00	
William Brown.....	do do	60 00		
Alex. Moir.....	do do	30 00		
DISBURSEMENTS OF FISHERY OVERSEERS.				
6,392 91				
James Hickson	For 12 months disbursements, to 31st Dec., 1878....	168 00	6,392 91	
John Hogan	do do	108 24		
Ebenezer Ferguson.....	do do	92 50		
Samuel Gosline.....	do do	92 06		
W. B. Deacon.....	do do	81 50		
D. T. Cormier.....	do do	64 00		
James Russell	do do	59 70		
John Williston	do do	58 90		
William Wyse	do do	57 50		
Jos. O'Brien	do do	56 50		
J. McD. Sutherland.....	do do	54 20		
W. B. McLaughlin.....	do do	50 00		
Wm. Cushman.....	do do	50 00		
N. B. T. Underhill.....	do do	49 20		
Isaac Hetherington.....	do do	45 45		
C. McCluskey.....	do do	41 55		
B. L. Cunningham.....	do do	40 50		
Winthrop Akerley	do do	38 86		
Thos. Taylor.....	do do	39 60		
Hugh Davidson.....	do do	38 50		
J. M. Lord.....	do do	36 50		
Samuel Freeze.....	do do	33 83		
W. E. Skillen.....	do do	33 00		
G. W. Hoben.....	do do	31 87		
James Brown.....	do do	31 75		
Wm. Brown.....	do do	30 25		
Amos Perley.....	do do	30 86		
Charles Cormier.....	do do	30 20		
M. H. DeVeber.....	do do	30 00		
Prudent Robichaux	do do	30 00		
Justinien Savoy.....	do do	27 00		
W. L. Bateman.....	do do	25 50		
Leonard Best.....	do do	20 00		
Wm. Blake.....	do do	16 50		
F. McDairmaid.....	do do	16 00		
Kenneth Cameron.....	do do	12 24		
Juste Haché.....	do do	10 60		
John Szymast.....	do do	10 35		
Frank Todd.....	do do	5 00		
Carried forward		1,748 26		6,392 91

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 1,748 26	\$ cts. 6,392 91
NEW BRUNSWICK—Concluded.			
DISBURSEMENTS, ETC.—Concluded.			
Alexis Landry.....	For 12 months Disbursements, to 31st Dec., 1879...	4 25	
J. W. Taylor.....	do do	3 60	1,756 11
W. H. Venning.....	12 months salary as Inspector of Fisheries.....	1,371 96	
C. R. Venning.....	do Clerk to Inspector of Fisheries.....	394 92	
Receiver-General.....	Superannuation on above salaries.....	33 00	
W. H. Venning.....	12 months disbursements as Inspector of Fisheries.....	550 00	
C. W. Weldon.....	Law costs.....	160 50	
J. L. McCoskery.....	Postages and stationery.....	67 59	
Hugh Davidson.....	Rent of office.....	62 52	
Roe Bros.....	Copies of maps.....	28 00	
Capt. Nelson.....	Hire of steamboat.....	20 00	
T. Campbell.....	Gas fitting for office.....	8 65	
Wm. Wyse.....	Refund of license money to F. Morrison.....	3 90	
J. & J. D. Howe.....	Repairing office chairs.....	3 50	
Bowes & Ellis.....	Moving and fitting stove.....	3 08	
D. McAlpine.....	Directory.....	2 00	2,709 62
Total.....			10,858 64
PRINCE EDWARD ISLAND.			
SALARIES OF FISHERY OVERSEERS AND WARDENS.			
<i>County of Kings.</i>			
John Crane.....	For 12 months salary, to 30th June, 1879.....	30 00	
James McInnis.....	do do	30 00	
John McGuire.....	do do	30 00	
James McAulay.....	do do	30 00	
Patrick McInnis.....	do do	30 00	
Wm. R. Dingwell.....	do do	30 00	
John Brian.....	do do	30 00	
Thomas Clay.....	do do	30 00	
D. D. Campbell.....	do do	30 00	
Francis Cook.....	do do	30 00	
Andrew Whelan.....	do do	30 00	
John Fisher.....	do do	25 00	
Martin McInnis.....	10 do do	131 25	486 25
<i>County of Queens.</i>			
Ewen Clark.....	For 12 months salary, to 30th June, 1879.....	30 00	
Michael Ready.....	do do	30 00	
James Clow.....	do do	30 00	
Lionel Garnum.....	do do	30 00	
Wm. Whitehead.....	do do	30 00	
Thomas Murphey.....	do do	30 00	
Roderick Morrison.....	do do	30 00	
Alex. McRae.....	do do	30 00	
John McMillan.....	do do	30 00	
Isaac Thompson.....	10 do do	131 25	401 25
Carried forward.....			887 50

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts.	\$ cts. 887 50
PRINCE EDWARD ISLAND—Concluded.			
SALARIES, ETC.—Concluded.			
<i>County of Prince.</i>			
J. T. Reid.....	For 12 months salary, to 30th June, 1879.....	30 00	
James Ramsay.....	do do.....	30 00	
Hugh McIntosh.....	do do.....	30 00	
Peter H. Perry.....	do do.....	30 00	
Abraham Wall.....	do do.....	30 00	
Patrick McBride.....	do do.....	30 00	
Wm. Burns.....	do do.....	30 00	
Nathaniel McArthur.....	do do.....	30 00	
Lawrence Phee.....	do do.....	30 00	
John Beaton.....	2 do do.....	2 50	
John Clark.....	10 do to 30th April, 1879.....	131 25	403 75
Wm. Mitchell.....	Paid for postage stamps.....		1,291 25 2 00
	Total.....		1,293 25
<i>British Columbia.</i>			
A. C. Anderson.....	For 12 months salary as Inspector of Fisheries, to 30th June, 1879.....	600 00	
George Pettendreigh.....	12 months salary as Fishery Overseer, to 30th June, 1879.....	499 98	
A. C. Anderson.....	12 months disbursements as Inspector of Fisheries, to 30th June, 1879.....	325 00	1,424 98
	Less refund.....		1 25
			1,423 73
<i>Manitoba.</i>			
Donald Gunn.....	For 12 months salary as Fishery Overseer, to 30th June, 1878.....		200 00
FISH-BREEDING.			
Samuel Wilmot.....	For 12 months salary as Superintendent of the several Fish-Breeding Establishments in the Dominion, to 30th June, 1879.....	1,959 96	
Receiver-General.....	Superannuation tax on S. Wilmot's salary.....	40 00	
Samuel Wilmot.....	Disbursements in connection with inspection of Fish-Breeding Establishments in Ontario, Quebec, Nova Scotia and New Brunswick, and selection of sites for new hatcheries.....	844 66	2,844 62
	Carried forward.....		2,844 62

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts.	\$ cts. 2,844 62
FISH-BREEDING—Continued.			
<i>Newcastle Establishment, Ontario.</i>			
Wm. Parker.....	For 18 months salary as Caretaker, to 30th June, 1879.....	750 00	
W. H. Barber.....	9 months salary as Assistant Caretaker, to 30th June, 1879.....	210 00	
C. E. Lowe.....	Wages as temporary Assistant Caretaker, to 30th June, 1879.....	33 30	
John Wilmot.....	Assistant in office.....	50 00	
Wm. Parker.....	Disbursements collecting ova and distributing fry.....	520 20	
S. Wilmot.....	do do.....	156 82	
Alex. Begg.....	do do.....	109 90	
William Hill.....	do do.....	22 75	
W. H. Barber.....	do do.....	3 65	
John Wilmot.....	do do.....	36 25	
Peter Coleman.....	Wages as Guardian at Darlington and Barber's Creek.....	128 40	
Geo. Nevin.....	do Baldwin's Creek.....	53 50	
D. Hinman.....	do Grafton Creek.....	50 00	
F. C. Gilchrist.....	do Cobourg.....	66 00	
Thomas Gourwell.....	do Wilmot's Creek.....	46 25	
R. Spencer.....	Labour at dam, &c.....	88 12	
Thos. Gourwell.....	do.....	42 50	
Simmons & Jardine.....	Carpenter's work for 1877 and 1878.....	523 94	
John Kelsey.....	Tending nets.....	53 00	
Wm. Hooper.....	Stone masonry.....	12 69	
J. R. Barefeldt.....	Hardware.....	27 79	
F. Stilwell.....	do.....	6 35	
J. Rolfe.....	Painting, glazing, &c.....	85 41	
T. G. Rice.....	Wire Cloth.....	16 67	
Montreal Telegraph Co.....	Telegrams.....	50 91	
Dominion Telegraph Co.....	do.....	29 83	
Wm. Wagstaff.....	Brooms, pails, glassware, &c.....	30 54	
N. L. Piper & Son.....	Perforated zinc.....	18 48	
A. M. Weston & Co.....	Rubber hose.....	17 00	
D. Morrison & Co.....	Specimens of fish.....	8 97	
John Norton.....	do.....	6 25	
Livingstone Stone.....	California salmon ova.....	233 00	
John Douglas.....	Express charges on California salmon ova.....	65 05	
Thomas Douglas.....	Express charges, &c.....	115 05	
C. E. Lowe.....	Expenses on fish eggs.....	5 00	
Alfred Bright.....	Picking ova.....	6 40	
M. Gorwell.....	do.....	5 24	
Wm. McChesney.....	Barrels for carrying fish.....	9 00	
R. Fothergill.....	Coal oil.....	28 36	
F. Williams.....	Pump logs.....	26 00	
James Wright.....	Tinware.....	66 34	
Denis Quick.....	do.....	40 00	
Di Cornstalk.....	Lumber.....	20 00	
Wm. Rudge.....	do.....	8 00	
Lewis Strowger.....	Nets, &c.....	67 24	
Page & Kidder.....	Varnish for trays.....	8 00	
Fred. Stilwell.....	Iron work.....	15 63	
David Rose.....	Coal.....	75 43	
James Nevin.....	Teaming.....	29 00	
John Otten.....	do.....	3 75	
	Carried forward.....	4,081 96	2,844 62

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 4,081 96	\$ cts. 2,844 62
FISH-BREEDING—Continued.			
<i>Newcastle Establishment, Ontario—Concluded.</i>			
S. Wilmot.....	For Rent of grounds for year 1878.....	200 00	
G. M. Clarke.....	Rent of water privilege for 1878.....	100 00	
Brown Bros.....	Copying press.....	12 75	
Wm. Porter.....	Castings.....	13 00	
F. Gourdeau.....	Plans.....	16 00	
S. Wilmot.....	To pay sundry accounts.....	107 60	
			4,531 31
<i>Sandwich Establishment, Ontario.</i>			
James Nevin.....	For 9 months salary as Officer in charge.....	450 00	
William Hill.....	12 do Assistant.....	360 00	
Daniel Lemonde.....	Wages as Engineer.....	411 00	
C. Lemonde.....	do Assistant Engineer.....	12 75	
James Nevin.....	Disbursements distributing fry, &c.....	249 24	
Wm. Hill.....	Labour.....	90 00	
Wm. Shields.....	do.....	30 00	
D. Lemonde.....	do.....	21 00	
Benjamin Lees.....	do.....	10 00	
Martin O'Brien.....	do spawning fish.....	50 28	
C. Lemonde.....	do do.....	27 50	
J. Bissonnette.....	do do.....	18 00	
A. Joli.....	do do.....	15 00	
Joseph Paine.....	Cordwood.....	146 55	
J. Taylor.....	Sawing cordwood.....	10 00	
M. O'Brien.....	do.....	11 75	
Henry Brackett.....	do.....	10 15	
Audet & Werry.....	Coal.....	82 50	
G. W. Girdlestone.....	Coal.....	38 18	
Parry Sound Co.....	Lumber.....	49 14	
Perrault & Ouellette.....	do.....	45 26	
W. J. McKee.....	do.....	6 50	
J. B. Gauthier.....	Cedar posts.....	23 75	
Henry Bell.....	Ice.....	7 50	
G. Lacherite.....	Hauling gravel.....	5 00	
Wm. Shields.....	Cleaning ova.....	6 00	
H. Allison.....	Telegrams.....	1 61	
J. B. Gauthier.....	Paint, oil, &c.....	29 15	
J. Deroche.....	Painting engine, &c.....	13 00	
Detroit Metal Co.....	Fixing water pipes.....	27 89	
Wm. Cogger.....	Care of building.....	12 00	
J. McLeod.....	Lamps and chimneys.....	7 80	
H. G. Degens.....	Carrying eggs in boat.....	22 50	
J. P. Donaldson.....	Tubing.....	7 45	
Drake & Joyce.....	Office furniture.....	26 75	
James Nevin.....	Board of men.....	22 00	
J. P. Clark.....	do.....	12 00	
Thos. Flowers & Co.....	Guages for engine.....	13 00	
Andrew Harvey & Son.....	Oil pump.....	4 93	
R. Purser & Sons.....	Fish pans.....	58 32	
Jas. Neveaux & Bros.....	Furnishings.....	74 72	
Pequenot & Co.....	Hardware, &c.....	39 14	
Jos. Boismier.....	Blacksmith.....	11 92	
			2,571 23
	Carried forward.....		9,947 16

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts.	\$ cts. 9,947 16
	FISH-BREEDING—Continued.		
	<i>Tadoussac Establishment, Quebec.</i>		
Joseph Radford.....	For 12 months salary as Officer in charge, to 30th June, 1879.....	500 00	
Pierre Plourde.....	12 months salary as Caretaker, to 30th June, 1879.....	336 00	
Jos. Dion.....	Salary as Assistant Caretaker.....	247 50	
Donald McLaren.....	do do.....	142 58	
Edward Lacroix.....	do do.....	18 00	
Pay-list.....	Labour at Pointe à Carole Fishery.....	145 04	
do.....	Labour with salmon fry, 1878.....	11 00	
A. Hovington.....	do do.....	6 80	
H. Plourde.....	Labour at fish-house.....	33 15	
P. Goudreau.....	do do.....	8 00	
Roger Therrien.....	do do.....	17 15	
Jos. Morin.....	do do.....	4 00	
T. Bouliane.....	do do.....	3 05	
D. McLaren.....	do do.....	25 00	
Carrie Tremblay.....	do do.....	2 40	
J. Bouliane.....	do do.....	2 38	
Thos. Therrien.....	do do.....	2 15	
Andrew Moreau.....	do do.....	1 30	
Sophie Tremblay.....	do do.....	1 20	
Joseph Chamberland.....	do do.....	1 00	
Desire Tremblay.....	do do.....	0 20	
Mars Tremblay.....	do do.....	0 80	
Geo. Blanchet.....	do do.....	0 50	
Henry Tremblay.....	do do.....	0 40	
Pierre Marquis.....	do do.....	0 75	
H. Tremblay.....	do do.....	0 15	
Mary Tremblay.....	do do.....	0 10	
Emma Plourde.....	do do.....	0 30	
Louise Tremblay.....	do do.....	0 40	
Jos. Hovington.....	Hire of boats with salmon fry.....	27 00	
John Caron.....	do do.....	44 00	
Ferd. Dufour.....	do do.....	10 00	
Malcolm Hovington.....	do do.....	4 00	
Bell Manning.....	Services as boatman.....	72 00	
Wm. Manning.....	do.....	45 20	
Simon Godreault.....	do.....	20 00	
David Godreault.....	do.....	19 25	
Henry Plourde.....	do.....	10 80	
James Wright.....	Fish cans.....	180 65	
Price Bros. & Co.....	Hardware, &c.....	37 37	
F. Bourgoing.....	do.....	33 41	
Chnic & Beaudet.....	do.....	2 50	
O. Bouliane.....	Nails.....	0 68	
Jules Tremblay.....	Blacksmiths' work.....	8 63	
Narcisse Smard.....	Attending Petit Isle Fishery.....	20 00	
Richard Morin.....	do l'Ance à Pilot Fishery.....	18 34	
Str. "St. Lawrence".....	Passages with fry, freight, &c.....	43 26	
F. Bourgoing.....	Freight.....	0 60	
Charles Pentland.....	Towage of salmon fry.....	40 00	
Jos. Dion.....	Board as Special Guardian.....	20 53	
L. Levesque.....	Board of Guardian Lacroix.....	17 00	
P. Plourde.....	Cotton for packing ova.....	1 75	
E. Lavoie.....	Carpenters' work.....	8 00	
	Carried forward.....	2,196 27	9,947 16

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 2,196 27	\$ cts. 9,947 16
FISH-BREEDING—Continued.			
<i>Tadoussac Establishment, Quebec—Concluded.</i>			
Etienne Nicholas.....	For Repairing canoe.....	1 90	
O. Bouliane.....	Glass.....	0 65	
D. McLaren.....	Expenses with ova to River DuLoup.....	6 75	
Walter Ray.....	Parent salmon for spawning.....	119 00	
F. Saillant.....	Wading boots.....	4 50	
J. Caron.....	Carpenters' work.....	1 00	
Henry Hovington.....	Specimens of fish for museum.....	0 50	
F. Boulliane.....	do do.....	1 50	
John Hovington.....	do do.....	0 50	
H. White.....	Lumber.....	2 00	
Jos. Radford.....	Expenses to Newcastle.....	44 50	
T. Boulliane.....	Cotton.....	1 44	
X. Gagnon.....	Cartage.....	3 40	
Wm. Miller.....	Account books and stationery.....	4 00	
Ohas. Pentland.....	Coal oil.....	3 30	
Thos. Boullaine.....	Filling in house.....	2 00	
Jos. Caron.....	Carpenters' work.....	1 60	
Mary Tremblay.....	Cleaning fish-house.....	1 45	
Jerry Maher.....	Painting fish-house.....	9 00	
Pierre Plourde.....	Expenses repairing fish tins.....	8 70	
Pierre Marquis.....	Cartage.....	4 25	
Guillaume Tremblay.....	Attending Petit Isle Fishery.....	22 67	
Jos. Radford.....	Postages, telegrams, &c.....	5 00	
			2,445 88
<i>Gaspé Basin Establishment, Quebec.</i>			
P. Vibert.....	For 9 months salary as Officer in charge, to 31st March, 1879.....	225 00	
Henry Davis.....	Wages as Assistant Caretaker.....	322 25	
P. Vibert.....	Disbursements in connection with Fish-Breeding Establishment.....	36 70	
J. S. Davis.....	Tending salmon nets, catching and spawning salmon.....	149 60	
J. Davis, jun.....	do do.....	144 00	
Henry Olsen.....	do do.....	53 75	
F. Coffin.....	do do.....	27 30	
F. R. Coffin.....	do do.....	20 80	
John Davis.....	Distributing salmon fry.....	112 50	
W. C. Davis.....	do do.....	36 05	
Alf. Davis.....	do do.....	35 00	
Robt. Coffin.....	do do.....	33 00	
Wm. Hamilton.....	do do.....	15 60	
Felix Coffin.....	do do.....	14 30	
Peter Miller.....	do do.....	11 25	
John McIsaac.....	do do.....	3 50	
Felix Annett.....	Labour at fish ponds.....	18 85	
W. C. Davis.....	do fish-house.....	40 32	
J. W. Coffin.....	do.....	17 55	
Henry Olsen.....	Work and repairs to upper pond dam.....	13 35	
W. C. Davis.....	do do.....	32 25	
Benjamin Annett.....	do lower dam.....	13 00	
Jos. Cass.....	Work carrying ova.....	24 70	
Widow Coffin.....	Making salmon nets.....	18 00	
	Carried forward.....	1,418 62	12,393 04

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ 1,418 62	cts. 12,393 04
FISH-BREEDING—Continued.			
<i>Gaspé Basin Establishment, Quebec—Concluded.</i>			
H. W. Johns & Co.....	For Paint, hardware, glass, &c.	26 40	
J. & E. Collas	do do	24 10	
J. LeBoutillier	do do	19 87	
Chinic & Beaudet.....	do do	17 34	
H. S. Veit	Coal	21 00	
Widow Coffin.....	Wood	7 00	
Baptiste Sanson.....	Canoe.....	18 00	
A. LeMessurier	Stove fixings	2 80	
Str. "Beaver".....	Freight, &c.....	6 16	
Str. "Miramichi".....	do	0 50	
Str. "City St. John".....	do	1 50	
Quebec and Gulf Ports			
S.S. Co.....	do	1 20	
Jos. Eden	Freight.....	1 75	
Valpey & Lebas.....	do	1 00	
M. Stephenson	Express charges	1 85	
			1,569 89
<i>Restigouche Establishment, Quebec.</i>			
John Mowat.....	For 9 months salary as Fishery Officer in charge ...	232 50	
Wm. Robertson.....	Salary as caretaker	390 00	
John Mowat.....	Disbursements in connection with procuring		
do	eggs and distributing fry.....	125 49	
do	Contingent expenses:—Twine for nets, making		
do	nets, stove, pipes, lamps, chimnies, &c.,		
	&c., during year.....	147 75	
do	Hire of horses and scows, towing cribs and		
	hauling gravel, &c., &c	57 00	
W, Robertson.....	Labour at dam	25 00	
B. K. Merrill.....	do	24 70	
A. Sharp.....	do	7 50	
Noel Swason.....	do	7 50	
Thomas Poel.....	do	7 50	
G. Merrill.....	do	4 12	
Joseph Perry.....	Labour, picking ova, &c.....	165 00	
Max. Mowat	do do	32 00	
Wm. Mowat	do do	32 00	
John Malcolm	do and catching salmon	60 00	
Peter Grey	do do	70 00	
Wm. Robertson.....	Assistance, catching and spawning salmon	25 00	
Alex. Mowat	do do do	50 00	
Valentine Wheeler.....	do do do	30 00	
John Ferguson.....	Distributing salmon fry.....	37 00	
Thos. Moores.....	do do	30 00	
Alex. Mowat	do do	22 00	
O. Arseneault.....	do do	13 10	
John Thomas.....	do do	6 50	
Nathaniel Clearland	Making fish-cribs.....	9 00	
Wm. Patterson.....	Stove, freight, &c.....	23 80	
John Ferguson	Boats and labour	20 00	
A. J. Girard	Freight on salmon cans.....	14 50	
Intercolonial Railway.....	Passage of men and freight on fry.....	26 40	
G. E. Asker	Tinware.....	3 80	
	Carried forward.....	1,699 16	13,962 13

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 1,699 16	\$ cts. 13,962 13
	FISH-BREEDING—Continued.		
	<i>Restigouche Establishment, Quebec—Concluded.</i>		
Jas. W. Lee.....	For Spawn cans.....	25 80	
Ball, Kay & Co.....	Perforated Zinc.....	21 47	
John Mowat.....	Postages, telegrams, &c.....	11 50	1,757 93
	<i>Bedford Basin Establishment, Nova Scotia.</i>		
A. B. Wilmot.....	For 12 months salary as Officer in charge.....	799 92	
do.....	Disbursements in connection with procuring parent fish and distribution of fry.....	620 50	
F. G. Tolsen.....	Labour as Assistant at Fish-Breeding Establishment.....	207 50	
J. H. Anderson.....	Catching parent salmon.....	232 00	
Oliver Filmore.....	do.....	145 37	
Wm. Beck.....	do.....	75 00	
F. Stephens.....	Coal.....	66 00	
Wm. Willis.....	Hauling coal.....	21 50	
R. Anderson.....	Freight on coal.....	15 00	
Estate E. B. O'Neil.....	Wharfage on coal.....	6 10	
Albert Tolsen.....	Transporting fry.....	18 19	
G. J. Harris.....	Zinc pans, breeding plates, &c.....	43 80	
F. P. Conolly.....	Stationery.....	2 50	
W. Gaul.....	Oil clothing.....	10 40	
R. B. Taylor.....	Rubber boots.....	7 00	
G. W. Boggs.....	Railway charges.....	11 40	
Philip Young.....	Conveyance.....	24 00	
Isaac J. Hingley.....	Night watching.....	87 00	
J. W. Currie.....	Horse hire.....	33 00	
D. M. Geldert.....	do.....	20 00	
Moses Benton.....	do.....	11 60	
Thos. Robinson.....	do.....	11 00	
J. H. Anderson.....	Board and horse feed.....	12 00	
Mary Moore.....	do.....	15 00	
Messrs. McDonald & Co.....	Gravel, hose, &c.....	26 66	
Wm. Wood.....	Rent of land.....	12 00	
Kenneth Forbes.....	do.....	5 00	
O. S. Road.....	Board.....	15 00	
John McKenzie.....	Making nets.....	3 75	
J. Eastwood.....	Labour.....	22 50	
Oxford Furniture Co.....	Sashes and lumber.....	3 57	
H. H. Fuller & Co.....	Twine.....	4 36	
G. French.....	Ice.....	10 00	
Moir, Son & Co.....	Supplies.....	37 37	
Theaktson & Angevin.....	Hardware, &c.....	10 05	
J. P. Mott & Co.....	Lime.....	4 00	
G. Reeves.....	Building nursing tank.....	10 00	
Wm. Tolsen.....	2 years rent water privileges.....	20 00	
McDonald & Co.....	Rubber hose.....	7 40	2,687 44
	<i>Miramichi Establishment, New Brunswick.</i>		
Isaac Shwasgreen.....	For 12 months salary as Officer in charge.....	399 96	
Pat. Hogan.....	Labour procuring salmon.....	121 80	
	Carried forward.....	521 76	18,407 50

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ 521 76	\$ 18,407 60
FISH-BREEDING—Continued.			
<i>Miramichi Establishment, New Brunswick—Con.</i>			
Thos. Mullin.....	For labour procuring salmon.....	107 60	
John Hogan.....	do	83 00	
Pat. Murphey.....	do	57 40	
F. P. Sheasgreen.....	do	31 25	
Isaac Sheasgreen.....	Labour.....	8 50	
Michael Jardine.....	do	11 90	
J. H. Phinney.....	Hardware	28 35	
W. & G. Watt.....	do	48 69	
Hamilton & Fish.....	Paint and oil	26 33	
Wm. Parker.....	Distributing fry.....	93 85	
J. Tozer.....	Scow hire	12 00	
Jas. Hyland.....	Knitting nets.....	10 48	
Thos. McKenzie.....	do	4 20	
Isaac Sheasgreen.....	Horse hire.....	22 00	
Hamilton & Fish.....	Lumber.....	17 69	
Call & Miller.....	Freight on salmon	2 00	
R. R. Call.....	Coal	36 00	
Isaac Sheasgreen.....	Carting coal	16 00	
			1,139 00
GENERAL DISBURSEMENTS.			
D. Dewar.....	For Building fishway at Isle au Chât.....	30 00	
C. McNab.....	Specimens of fish	164 75	
Alex. Begg.....	Expenses carrying live fish from Burlington Bay to Ottawa River.....	50 00	
C. C. Ray.....	Express charges on live bass.....	37 50	
D. W. Archibald.....	Altering fishway, West River, N.S.....	60 00	
			342 25
			19,888 75
FISHERIES PROTECTION STEAMER "LADY HEAD."			
Napoleon Lavoie.....	For 7 months salary as Commander, to 31st Jan., 1879.....	816 62	
do	Disbursements.....	413 16	
Pay-list.....	Wages of Sailing Master, Engineers, Mates and crew, as per pay-list.....	1,233 06	
W. Ives & Sons.....	Provisions.....	80 02	
L. Marois.....	do Vegetables.....	64 30	
J. Eden & Son.....	do	37 50	
F. X. Grenier.....	do	33 34	
L. Arel.....	do Meat.....	10 45	
G. Boucharde.....	do	8 62	
J. Davidson.....	do	4 50	
W. Ives & Sons.....	Repairs.....	775 00	
A. Frazer & Co.....	Coal.....	680 00	
J. W. Gordon.....	do	243 20	
W. Crawford & Son.....	do	9 60	
J. Eden & Son.....	Wharfage of coal.....	100 00	
F. M. Dechéne.....	Clothing and carpets	369 50	
L. Leclerc.....	Freight on anchors, chains, &c.....	225 00	
Audett & Robitaille.....	Rope, canvas, &c.....	219 76	
	Carried forward.....	5,323 63	

STATEMENT of Expenditure on account of Fisheries, etc.—*Continued.*

To whom paid.	Service.	Amount.	Total.
	Brought forward.....	\$ cts. 5,323 63	\$ cts.
FISHERIES PROTECTION STEAMER "LADY HEAD"—<i>Concluded.</i>			
S. J. Shaw.....	For Powder, cartridges, &c.....	68 75	
F. Langelier.....	Professional services in suit, Gore vs. Lavoie...	50 00	
P. Rouillard.....	Washing, mending, &c.....	39 00	
Quebec and Gulf Ports			
S.S. Co.....	Freight.....	28 92	
L. Bourget.....	Oil.....	28 62	
X. Guilmette.....	Pilotage.....	18 00	
C. E. Holiwell.....	Stationery.....	14 95	
J. Boivin.....	Spikes.....	14 25	
A. Boucher.....	Boat hire and cartage.....	14 00	
Whitehead & Turner.....	Tube brushes.....	10 00	
Fisher & Blouin.....	Valise.....	10 00	
N. Lavoie.....	Postages.....	9 55	
G. Renfrew.....	Gold crowns for uniforms.....	7 50	
E. Beaulieu.....	Labour.....	5 63	
F. Berrigan.....	Cartage.....	5 00	
H. S. Scott & Co.....	Iron.....	4 05	
A. T. Beaulieu.....	Services of tug-boat at wreck.....	2,469 00	
G. T. Davis.....	Use of pumps at wreck.....	566 80	
T. Routier.....	Labour at wreck.....	196 55	
O. Tremblay.....	Charter of schooner.....	88 00	
A. Côté & Co.....	Advertising sale of wrecked vessel.....	4 20	
G. T. Carey.....	do do.....	4 80	
J. Carrell.....	do do.....	4 20	
S. Marcotte.....	do do.....	4 48	
J. J. Foote.....	do do.....	4 60	
	Total.....		8,994 48

 STATEMENT of Expenditure on account of Fisheries, etc.—*Continued.*

RECAPITULATION.

Fisheries, Ontario.....	\$11,741 40
do Quebec	13,606 06
do Nova Scotia.....	14,312 76
do New Brunswick.....	10,858 64
do Prince Edward Island.....	1,293 25
do British Columbia.....	1,423 73
do Manitoba.....	200 00
Fish Breeding.....	19,888 75
Fisheries Protection Steamer.....	8,994 48
Total.....	\$82,319 07

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 3.

ANNUAL REPORT OF THE FISHERY OFFICER IN CHARGE OF THE FISHERIES PROTECTION SERVICE IN THE GULF AND LOWER ST. LAWRENCE, DURING THE SEASON OF 1879.

QUEBEC, 31st December, 1879.

To the Hon. J. H. POPE,
Minister of Marine and Fisheries.

SIR,—I have the honor herewith to tender you my first report of the state of the Fisheries in my division for the season just closed. As I was only appointed to the position during the summer, and have not yet had it in my power to visit all the districts under my supervision, I shall not attempt to make an extended report, but will confine myself to a statement of this year's fisheries as compared with the preceding year. I trust that next season I may be in a position to say that I have visited the entire coast; it will be impossible to do this unless the Department sees fit to furnish me with a suitable vessel to replace the one lost in 1878. It is absolutely necessary that some kind of a vessel be furnished for this service, especially on the lower part of the North Shore, where a great number of vessels from the United States, Newfoundland and the Maritime Provinces, congregate for the cod fishery. As these vessels almost all use cod seines they are constantly getting into trouble with our own hand and seine fishermen, and it is utterly impossible for the local officers to carry out the law, isolated as they are, and utterly unsupported by any force to carry it out. A vessel should also be present at the Magdalen Islands during the spring herring fishing; without this, we will some day have a repetition of the Fortune Bay troubles. The extent and value of our fisheries, and the fact that a large number of foreign vessels pass almost the entire open season in our waters, would of itself alone justify our Government in having a Fisheries Protection Vessel always present in the gulf during the fishing season. In former years, in addition to our own vessel, there was always one or two English gun-boats cruising on the Gulf coast; during the last few years these vessels even have been withdrawn. There is a widespread feeling on the coast among those who fish, and those who have large sums invested in the fish trade, that they are not furnished with that amount of protection that they have a right to expect. This is especially the case with those who carry on the fishery at Anticosti and the North Shore. It is impossible to combine the Fisheries Service with that of the Lighthouses as has been tried this season. More than three-fourths of the time that I was on board of the *Napoleon* was spent on the coast of Newfoundland, or in the Straits of Belle Isle or Northumberland, where I had nothing whatever to do, while those parts of the coast in my own division, which it was of most consequence that I should visit, I have never been able to get near.

In speaking of the fisheries of the Gulf, I shall divide them into four grand divisions:—

1. *The South Shore*.—All that part of the south shore, from Cape Chatte to the head of tidal waters, in the Restigouche River, P.Q.
2. *The North Shore*.—All that part of the north shore of the River and Gulf of St. Lawrence, from Manicouagan to Blanc Sablon.
3. *The Magdalen Islands*.—That is, Amherst Island, Grindstone Island, Alright Island, Grosse Isle and Grand Entry, Bryon Island and Entry Island.
4. *Anticosti*.—

I shall refer to each particular fishery in the order of its importance.

COMPARATIVE STATEMENT of the Total Catch and Value of the Fisheries of the Gulf Division for 1878 and 1879.

Description.	Quantity.		Value.	
	1878.	1879.	1878.	1879.
			\$ cts.	\$ cts.
Cod, Summer..... Cwt.	253,902	353,668	1,269,510 00	1,414,272 00
do Fall..... "	36,344	37,927	181,720 00	151,708 00
Herring, salt..... Brls.	44,853	54,330	224,265 00	271,650 00
do smoked..... Boxes.	22	1,009	5 50	252 25
Mackerel, salt..... Brls.	8,583	7,552½	85,830 00	60,420 00
do canned..... Lbs.	5,136		770 50	
Haddock..... Cwt.	666	513	3,330 00	2,052 00
Ling..... "	25	187½	125 00	750 00
Halibut..... Brls.	286	279	1,716 00	1,674 00
Trout..... "	134	147	1,072 00	1,176 00
Sardines..... \$		30		78 00
Eels..... Brls.	17	15	170 00	105 00
Whale Oil..... Galls.	5,600	8,015	2,800 00	4,007 50
Cod Oil..... "	211,870	300,989	105,931 00	150,494 50
Seal Oil..... "	111,833	111,302	55,916 50	55,651 00
Seal Skins..... No.	26,404	28,797	33,005 00	28,797 00
Lobsters, canned..... Lbs.	731,008	775,289	109,651 20	116,293 35
Cod Tongues and Sounds..... Brls.	242	142½	2,178 00	1,282 50
Fish and Clams used as bait and manure..... "	91,055	148,753	91,055 00	148,753 00
Fish for local consumption..... "	10,921	20,356	43,684 00	81,424 00
Salmon, salt..... "	2,729	1,002	32,748 00	12,024 00
do fresh, in ice..... Lbs.	489,786	684,651	24,489 30	34,232 55
do canned..... "	139,574	17,605	20,936 00	2,640 75
do smoked..... \$		1,200		120 00
Porpoise Skins..... No.	1		4 00	
do Oil..... Galls.	100		80 00	
			2,290,906 00	2,539,857 40
				2,290,906 00
Total increase for 1879.....				248,951 40

TABLE shewing Total Value, &c., of all Vessels, Boats, Flats, Nets, &c., used in the Gulf Division.

Description.	—		Value.
	No. Ton'ge,	Sailors.	
Vessels.....	165| 9,630	742	376,420 00
	Number.	Fishermen and Shoremen.	
Fishing Boats.....	3,555	11,225	170,427 00
Flats.....	3,015		30,924 00
Total.....			201,351 00
	Number.	Yards.	
Salmon Nets.....	1,317	87,154	38,523 00
Cod Seines.....	35	5,925	5,930 00
Herring Seines.....	26	4,348	4,341 00
Herring Nets.....	6,136	176,557	75,184 60
Mackerel Seines.....	8	410	336 00
Mackerel Nets.....	1,135	52,761	14,143 00
Capelin Seines.....	328	17,161	12,965 00
Lance Seines.....	70	3,359	3,862 00
Seal Nets.....	503	21,600	17,458 00
Trout Nets.....	38	1,151	365 00
Brush Fisheries.....	14		33 00
Total.....			173,145 60

Vessels.....	\$376,420 00
Boats and Flats.....	201,351 00
Nets, Seines, &c.....	173,165 60
Total.....	\$750,936 60

THE SOUTH SHORE.

Cod Fishery.

Owing, no doubt, to the small amount of ice in the gulf during the past winter, and to its early disappearance in the spring, the cod fishery of 1879 began earlier than usual. The summer fishery has been much better than either of the preceding years; much of this is due to the fact that herring were plentiful during the whole of this fishery, that is up till the middle of August. The fish was also well cured, owing the coolness of the season and the absence of fog and haze with close dull weather.

COMPARATIVE STATEMENT of catch of cod for 1877, 1878, 1879, South Shore Division.

	1877.	1878.	1879.	Increase 1879.
Summer, cwt.....		77,147	101,776	24,629
Fall, cwt.....		29,647	31,103	1,456
Total.....	100,773	106,794	132,879	26,085

The above table will show the increase on the South Shore to have been very considerably greater during the summer fishery than during the fall. The fall fishery, owing to the unusual roughness of the season, and the almost total disappearance of the squid, the best fall bait, was not so good, though it even shows an increase over the preceding years. There is no doubt that codfish were very abundant all over the gulf.

The annexed tables will show the quantities of dried cod exported to foreign markets from the ports of New Carlisle, Gaspé and Percé during the past season. A considerable quantity of this season's catch remains stored on the coast. Owing to the low price of fish in all the leading fish markets, the price given on the coast for fish has been lower than usual.

Lobsters.

The lobster fishery shows a gain for this season over last. This gain is entirely due to the increased quantity of lobsters put up by the Canada Packing Company at Percé and Seal Cove. On the rest of the coast, and particularly in the Port Daniel and New Richmond divisions, there has been a very considerable falling off in the quantity taken—so much so that I believe the packers in the County of Bonaventure discontinued their operations some time before the arrival of the close season. I believe it is the intention of these packers and the people engaged in this fishery to petition the Government for an extension of the lobster fishing season, or a change in the close period. I trust that your Department will not consent to any change that will lengthen the period at or during which lobsters may be taken for the purpose of canning for exportation. If this fishery is to be fostered, it can only be by a strict observance of a close period. Some of the packers think that the close period should be varied at different places in the gulf, that is to say that a close period which may answer for the Bay of Gaspé, may not be the best for the Magdalen Islands or the Bay Chaleur, or *vice versa*. I do, as yet, not know enough about the matter to advise any change. The following tables will show the number of pounds

of lobsters taken in Gaspé and Bonaventure respectively, and the total quantity taken as compared with 1878:—

	1878.	1879.	
Gaspé Division.....	240,960	315,184	74,224 increase in 1879.
Bonaventure Division.....	149,112	83,464	65,648 decrease in 1879.
Total.....	390,072	398,648	8,576 increase in 1879.

Salmon.

The salmon fishing of 1879 shows a very material falling off. The fishing began early, and at first promised well, but it very soon dwindled away, and long before the time at which this fishing season closes all the nets had been taken up, as there was absolutely no fish running. I do not by any means attribute this falling off to a decrease in the quantity of salmon frequenting our waters. My opinion is, that it is due in a great measure to the fact that the fish remained in the tide-ways, and about the coast generally, but a short time; that is to say, that they went directly up the rivers. My own experience is that, when the water in the rivers is high, and capelin and other small fish are abundant in the bays, the salmon remain playing about and are netted, especially by the outside nets, in great quantities, and I believe that in 1878 the unusually heavy catch was due in a great measure to this fact. By all reports there does not appear to be any scarcity of fish in the rivers. As a further proof of the correctness of the reason I have given, you will notice that the falling off in the catch is greatest near the large salmon rivers, while in the Port Daniel district, where there are no large rivers, the decrease is not nearly so great. The season was unusually early, and I do not think the nets were out soon enough. While on the subject of salmon, I would beg to advise that a sum of money should be granted for clearing out the rivers at Port Daniel and the Nouvelle River. All these rivers are so blocked with old jams that the salmon cannot pass. Mr. Phelan, the local officer, has recommended this, and I think his suggestion a good one. I think it was solely due to these jams that many spent salmon were found in these rivers during the month of August. Once these rivers are cleared of obstructions, a supply of young fish should be deposited in them from either of the breeding-houses on the coast. This can be done now without any great trouble or risk, as a steamer from Campbelltown to Gaspé and back passes twice a week. Many of the inhabitants remember the time when these rivers abounded with salmon, but they are now almost completely run out, owing, I think, to the existence of these jams. There has been no lumbering operations carried on in these rivers for some time, and the jams have thus accumulated. As a rule, I think all extensive jams should be cleared out of salmon rivers, as besides obstructing the free passage of the fish, they afford great temptations and facilities for spearing.

I notice that the attention of the public is called to the fact that Canadian salmon has been exported fresh to the English markets. By Dr. Buckland's letter in the *Ottawa Citizen* of the 27th of November, it would appear that salmon, said to be Canadian, which was "unclean and unseasonable," had been exposed for sale in the English markets. It might be possible, as I see Mr. Witcher has explained, for Canadian salmon to arrive in England in an unwholesome state, though the salmon was seasonable and sound when it left here, but that this salmon was "unclean and unseasonable" in the sense that it was taken out of season, I do not believe. We all remember that when Canadian beef was first offered for sale in English markets it was cried down, and English traders were only too ready to palm off on the consumer "inferior" English beef as the Canadian article, and I think in the matter of this

"unclean salmon" it was a "trick of the trade," as is suggested by Mr. Whitcher. I see with pleasure that a consignment of fresh salmon from the Bay Chaleur, shipped by Messrs. Carvell and Mowat, has reached the London market in prime condition, and been duly appreciated. I had the pleasure, during the month of August last, of visiting the freezing-house of these gentlemen in Campbelltown. I there saw a quantity of this salmon which has since been sold in England, and I never saw fish in better condition, or of a more perfect quality. These fish had been transferred without delay from the nets about and below Campbelltown to the freezing-house. If unclean salmon are sold in England they do not come from this part of Canada, and I doubt whether they come from Canada at all. In my division the bulk of the salmon is taken from the middle of May to the end of June, but few salmon are taken in July. Spent or unclean fish are not often taken in the nets, at least, as far as I have noticed during a twelve years' residence on the fishing coast. A few spent fish running out of the rivers in the spring are sometimes caught in the upper nets about the channels, but I think the spent fish, once clear of the river, goes straight to sea, and does not trim the shore, among the nets; at all events they are never presented for sale by the fishermen or received by the merchants. A spent salmon is a disgusting-looking fish when compared with one freshly run. I have always noticed that the very greatest care is taken by those who purchase fresh salmon for exportation, to receive and pack only such salmon as are perfectly fresh and sweet; if a salmon is at all stale, even though in good season, it is rejected; this being the case, the fishermen are careful to bring in the fish at once, and any fish bruised or stale is consumed at home or salted.

It is not perhaps generally known that salmon was also shipped fresh this season from the Labrador and Newfoundland coast to France, in a steamer fitted up with a patent freezing apparatus. This steamer was partly loaded in Henley Harbor, Straits of Belle Isle, and sailed for France on or about the 19th of July last, just two days before we arrived there in the "Napoleon." It was, at one time, the intention of this company to establish depots on the south coast for the purchase and freezing of salmon, trout, eels, and lobsters; the fish to be taken over to France by the steamer whenever a cargo had been collected. I suppose they found they could purchase salmon more cheaply on the Labrador. I have never seen any further notice of this French steamer, or how her cargo turned out. She had been fitted up to carry fresh meat from the River Platte to France, and I think had also taken some cargoes of fresh fish from the southern parts of the Mediterranean to Marseilles. For some years back the bulk of our frozen salmon has been shipped to the United States. I trust that the Canadian gentlemen who have had the enterprise to open up this trade in fresh fish with England, may meet with that success in their undertaking which their energy merits. I believe that the quality of the salmon they are sending over can not be equalled by any other. Restigouche and Gaspé salmon have always been considered by epicures to possess a finer flavor than any others. The following extract from the *London Telegraph* will show that the Restigouche salmon are fully appreciated in England:

CANADIAN SALMON IN ENGLISH MARKETS.

(From the "*London Telegraph*," December 1st, 1879.)

"Billingsgate market has, at length, been invaded by Canadian produce. A morning or two ago some 3,000 salmon, recently arrived from the Dominion, made their appearance on the quays of the Thames. Frozen by an artificial process before being put on board ship, they were found, on reaching the London market, to be in admirable condition, and splendidly fit for the table. Amongst them were, probably, specimens of the beautiful fish which crowd the famous Restigouche stream, and, if so, such salmon has entered the metropolis as has not been seen here before. According to the calculations of those who brought the cargo here, the cost,

when delivered, will be little more than a third of that which comes from Holland. And, presuming that such ventures are found to be a success, there is no reason why any quantity should not find its way to these shores. Those, however, who participate in the benefit which such an increase of supply brings, will not be likely to grumble, for the Canadian salmon has no superior in the world for flavor and richness."

I also venture to embody in my report the following remarks by no less an authority than the Duke of Argyle. The Duke spent a few days on the coast, and visited the principal fishing establishments in company with His Excellency the Governor-General.

SALMON FISHING IN CANADIAN RIVERS.

(From an article in "*Fraser's Magazine*," by the Duke of Argyle.)

"The Restigouche and some of its tributary streams, such as the Matapedia River, is one vast and continuous spawning-bed, which, if carefully protected and attended to, is capable of affording an inexhaustible supply of the finest salmon. I was glad to find that the Government of the Dominion has become awake to the importance of attending closely to this very important matter. The rivers in the adjacent States of the American Union have been almost, if not altogether, completely destroyed as salmon rivers by the neglect of the necessary laws and regulations to keep the streams free from pollution by mills and other works, and from impassable barriers in the way of the ascent of the fish. But most of the rivers in the British Provinces of North America are still running as pure as ever through forests which are either wholly unoccupied or have been only cleared in a few spots for the purpose of agriculture. The richer lands of the far west are attracting those who now migrate from the Old World, and, in all probability, it will be centuries before the steep, and poor, and heavily wooded lands through which these rivers flow are occupied for the purposes of settlement. Although the forests to the south of the St. Lawrence have been generally denuded of the white pine, there is still an almost inexhaustible supply of the spruce fir, and of the black birch, which is a very beautiful wood for the purpose of making furniture. Saw mills will, no doubt, be erected in course of time, to cut up this timber; but care should be taken that this be done under such regulations as to keep the rivers clear of sawdust, which is most destructive to salmon. Under the care which has within a few years been bestowed upon the protection of the river during the spawning season, and upon the artificial breeding of the fish, a great effect has already been produced in the returns of salmon caught in the estuary and in the Bay of Chaleur. The rod-fishing alone might be made an important source of revenue to the Dominion. It has hitherto been let at rents which are almost nominal; and considering that no salmon fishing to be compared with that of the Canadian rivers can now be got in any part of the world, they would undoubtedly, if judiciously divided and allotted, command a very high price indeed. In the first half hour of my fishing in the Restigouche, I killed two salmon of 23 lbs. and 24 lbs., respectively, and some of our party, with no previous experience of fishing, killed salmon of larger size and weight, up to 31 lbs. On the Cascape-diac River, another magnificent stream, which falls farther down into the same Bay des Chaleurs, I saw a salmon of 40 lbs., which had been caught the previous day; and I learnt that many such had rewarded the labors of the party of Englishmen who had the fishing of that river for the season."

Herring.

An increased quantity of this fish has been taken on the south coast this past season, and the increased catch of cod is due in a great measure to the abundance of

herring for bait all through the summer fishing. The quantity taken, as compared with 1878, will be shown by the following table:—

—	1878.	1879.	Increase, 1879.
Gaspé.....	1,403	} 8,167	794
Bonaventure.....	5,880		
	7,373	8,167	794 Brls.

There were 1,009 boxes of herring smoked this year, as against 15 boxes last year.

Mackerel.

Mackerel were exceedingly abundant, but of inferior quality, being small and thin; the quantity taken was small, being only 798 barrels, as compared with 1,427 barrels in 1878. This, of course, does not include what was taken for bait, or for home consumption. There were very few American mackerel vessels about this coast during the past season; a number appeared at the beginning of the mackerel season, but finding the fish of inferior quality, they did not remain any time. It is much to be desired that our own people should fit out more generally and thoroughly for this fishery. I think we have, vulgarly speaking, "too many eggs in the one basket." All the energies of our merchants and fishermen are devoted to the prosecution of the cod fishery; as a consequence, when the cod fails, as it has done, and may continue to do any year from many causes, we have a universal cry of hard times on the coast. I hope that the low price of codfish in all the foreign markets, owing to the enormous quantity coming in from Norway, may not be an unmixed evil, but that it may be the means of leading those who now carry on our fisheries to devote more attention to the curing of other fish than the cod. There can be no doubt that the quantity of mackerel coming along the coast is again on the increase. I think this is due to the small number of Americans with their purse seines, that have been fishing the mackerel for the last few years. These seines, besides destroying wastefully an immense quantity of fish that is never saved, break up the schools and frighten the fish off the coast; such, at all events is the opinion of those best fitted to judge among our own fishermen.

Bait.

Owing to the quantity of herring taken for bait, the summer fishing, as I said before, was good. Capelin were abundant; lance were not much sought after; clams, I am told, were sent to Percé by steamer from Paspébiac, thus utilizing the telegraph system of the coast and the side line steamer. I believe when the improved code, as recommended by the Hon. Dr. Fortin, is properly understood, that bait will be sent from one part of the coast to another. I think the codfish are nearly always to be found on the fishing grounds, if we only can secure the bait to catch them. The fall fishery was poor, owing partly to the cold weather and in part to the entire failure of the squid, which is the principal bait for the early part of the fall fishing. The following table will show the quantity of bait taken by our fishermen:—

Bait in 1879, South Shore.

Description.	Quantity in barrels.
Herring	17,306
Capelin	12,740
Smelt	534
Cod Roes	881
Flat fish.....	300
Clams	658
Total quantity	32,419

I herewith append a list of the vessels cleared outwards with fish from the Ports of Gaspé, Percé and New Carlisle, with a table of the total quantity of fish taken on the South Shore Division and the values. You will notice that the prices of the principal fish are lower than during the past season, but notwithstanding this fact, the total value of the fish taken, owing to the increased catch, considerably exceeds either of the preceding years:—

VESSELS Outwards for Sea from Port of Percé with Fish, 1879.

No.	Name.	Tons.	Where Registered.	Where Bound.	Name of Owners.	Crew.	Quantity of Fish and Oil.	Value.	Remarks.
1	Ideal	65	Gaspé	Barbades	Jos. Cass.	5	Fish, 165 cwt.....	\$ 652 00	Only one cargo of oil; most of this was shipped coastwise.
2	Col. Ellesworth	78	Pictou	do	Hon. T. Savage	6	do 1,000 do	3,600 00	
3	Bolina	82	Jersey	Civita Vecchia	Ed. Vantier	5	do 2,069 do	10,345 00	
4	Hematope	76	do	Bristol	C. Robin & Co.	5	Oil, 13,641 galls.....	6,216 00	
5	Heroine	97	Percé	Barbadoes	Hon. T. Savage	6	Fish, 1,288 cwt.....	5,184 00	
6	Tickler	76	do	Oporto	C. Robin & Co.	6	do 1,908 do	10,934 00	
7	Origin	59	do	Civita Vecchia	F. G. Smollet	5	do 1,465 do	5,820 00	
8	Col. Ellesworth	78	Pictou	Barbades	Hon. T. Savage	5	do 1,000 do	3,300 00	
9	Zingara	174	Jersey	Bahia	Wm. LeBrocq.	7	do 2,405 do	12,025 00	
10	Heroine	97	Percé	Vienna	Hon. T. Savage	7	do 2,310 do	11,550 00	
11	Snowdrop	149	Jersey	Pernambuco	J. Butel	8	do 2,660 do	11,650 00	
							Fish, 16,270 cwt..... Oil, 16,541 galls.....	\$81,276 00	

VESSELS with Fish Cargoes, Gaspé, 1879.

(OUTWARDS FOREIGN.)

Names of Vessels.	Tons.	Destination.	Quantity of Fish.	Value.
				\$ cts.
Critic	96	Jersey	2,316 Quintals	9,264 00
Warrior	93	Barbadoes	1,130 do	4,500 00
Standard	93	do	981 do	3,914 00
Brothers	173	Bahia	2,971 do	15,720 00
Alliance	115	Barbadoes	1,540 do	7,700 00
J. L. B.	148	Pernambuco	2,227 do	9,848 00
Cornucopia	155	Rio Janeiro	2,486 do	12,849 00
Sly Boots	177	Bahia	3,112 do	16,350 00
Hebe	236	do	3,333 do	17,240 00
Castilia	78	Naples	1,601 do	7,204 00
Fearless	79	Civita Vecchia	2,050 do	8,200 00
Dawn	164	Brazil	2,722 do	12,095 00
Alliance	115	Naples	2,674 do	10,596 00
Warrior	93	do	7,380 do	18,600 00
Zouave	126	do	2,860 do	11,440 00
Brittany	84	Ancona	2,382 do	9,528 00
Weasel	78	Naples	1,929 do	7,716 00
Fanny Fern	147	Eraziu	2,423 do	10,600 00
Dew Drop	101	Bahia	1,729 do	7,685 00
Two Friends	96	Naples	2,247 do	10,000 00
Gleaner	93	Lisbon	2,434 do	11,845 00
J. L. B.	148	Jersey	3,750 do	15,000 00
Graphic	59	do	1,480 do	5,920 00
St. Brelade	99	do	2,112 do	8,448 00
Willing	99	Lisbon	2,626 do	12,780 00
Charlotte	97	Bahia	1,748 do	9,222 00
Mayflower	150	Lisbon	3,930 do	15,720 00
Electra	157	Brazil	2,784 do	12,375 00
Standard	93	Oporto	2,001 do	7,622 00
Flying Foam	99	Naples	2,831 do	11,324 00
Brothers	173	Jersey	2,990 do	12,442 00
Gradwell	146	Lisbon	4,220 do	16,880 00
Cornucopia	155	Pernabuco	2,153 Tubs	12,918 00
				363,545 00

MAGDALEN ISLANDS.

Magdalen Island Group.....	21	737	28000	35	420	17540	192	1962	996	700	5	900	800	267	10680	2670
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ANTICOSTI ISLAND.

Anticosti, West half.....	61	2467	65	963	125	44	5	270	117	108	4661	2138	
do, East half.....	.....	.....	.....	.....	83	2989	87	844	166	40	7	844	250	.....	.....	1	200	50	143	7425	1110
Total.....	.....	.....	.....	.....	144	5466	152	1637	291	84	12	1114	367	.....	.....	1	200	50	251	12086	3248

TOTALS OF ALL DIVISIONS IN THE GULF.

South Shore.....	79	6839	286470	432	2055	106506	2101	20243	4095	1976	831	54833	23037	4	520	650	1	280	100	5435	146011	67185
do.....	65	2054	61950	275	936	40915	570	7200	1920	1063	528	31207	15119	31	5405	5280	19	968	3391	183	7780	208160
Magdalen Islands.....	21	737	28000	35	420	17540	192	1962	996	700	.....	.....	.....	.....	.....	.....	6	900	800	267	10680	2670
Anticosti Island.....	.....	.....	.....	.....	144	5466	152	1637	291	84	12	1114	367	.....	.....	.....	1	200	50	251	12086	3248
Grand Total.....	165	9630	376420	712	3555	170427	3015	30942	7402	3825	1371	87154	38523	33	5925	5930	26	1348	4341	6136	176557	7518460

MAGDALEN ISLANDS—Concluded.

Magdalen Island Group.....	834	41700	10008	4	340	340	195	11780	5875
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ANTICOSTI ISLAND—Concluded.

Anticosti, West half.....	9	435	310	2	77	22
do East half.....	7	350	160	14	790	430	5	250	35
Total.....	.....	7	350	160	23	1325	740	.....	7	327	57	.....	.....

TOTAL OF ALL DIVISIONS IN THE GULF—Concluded.

South Shore.....	.....	273	10063	3788	229	10311	8735	24	535	905	.....	12	257	30	797	291		
North do.....	8	410	336	21	648	187	72	50351	3150	46	2824	2957	2	40	8	334	71			
Magdalen Islands.....	.....	834	41700	10008	4	310	340	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anticosti Island.....	.....	.....	7	350	160	23	1225	740	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	8	410	336	1135	52761	14143	328	17161	12965	70	3359	3862	503	2160	17458	14	297	38	1151	363

Pointe St-John	15	159	30	15	36	606
Grand Etang	19	2500	5	50	38	1325
Anse à Vaseau	9	500	90	18	9	40
Pointe Jaune	7	400	70	14	7	300
Echourie	6	300	60	10	5	540
Grand Anse	7	400	60	12	6	220
Petit Cap	14	800	140	23	11	8
Petite Rivière au Renard	14	800	140	25	12	175
Grande Rivière au Renard	61	5300	610	122	60	1100
Anse à Fougère	2	100	2	4	2	28
Anse à Gris Fond	50	5000	500	100	50	1100
Trois Ruisseaux	4	200	4	8	4	160
Jersey Cove	3	150	3	30	6	3950
Anse à Louise	29	125	29	300	58	2000
Cap des Rosiers	50	2200	37	170	45	175
Ship Head	1	57	1100	4	1	240
St. George's Cove	4	124	11	78	14	80
Indian Cove	12	388	13	74	34	2100
Grand Grève	3	180	7000	15	4	3500
Petit Gaspé	5	96	12	78	16	1500
Seal Rock and Cape aux Os	2	40	6	51	6	634
Peninsula	4	1000	4	10	27	514
North-West Bay and River	1	44	10.0	5	150	144
South-West Bay and River	2	112	2000	8	5	198
Gaspe Basin	5	283	11700	21	5	1495
Sandy Beach and Lobster Cove	6	258	16300	26	24	208
Douglasstown	41	1615	40	39	82	208
Seal Cove	13	420	8	17	17	362
Chien Blanc	8	900	4000	60	1	40
Point St. Peter	1	52	1800	5	48	15
Belle Anse	2	24	600	4	21	40
Barachais	1	65	1600	5	6	30
Corner of the Beach	2	101	3000	9	18	129
Cannes de Roches	1	65	1600	5	6	150
Bonaventure Island	62	1669	33	226	124	510
Percé	140	6540	56	554	279	1880
Anse à Beauflis	31	1795	23	208	62	4495
Cape Cove	49	2610	29	243	98	1682
Cape D'Espoir	8	366	9	94	19	2960
Little River	73	5530	26	285	187	1188
Grand River	45	2405	17	206	92	80
Little Pabos	22	1030	13	154	44	310
Grand Pabos	4	225	7	76	11	40
Anse au Canard	93	3664	48	547	186	1740
Newport	35	2380	6	5	110	2320
L'Anse au Gascon	15	450	7	70	37	1468
L'Anse à la Barbe	1	1650	10	80	86	1000
Port Daniel	43	1650	10	80	86	360

RETURN showing Number and Value of Boats, Nets, Fishermen and Sailors, in Division extending from Cape Chatte to Head of Tide in Restigouche River, Province of Quebec, for the Year 1879.—Continued.

NAME OF PLACE.	NETS AND SAINES.															
	Mackerel Saines.		Mackerel Nets.		Capelin Saines.		Lance Saines.		Seal Nets.		Brush Fisheries.		Trout Nets.			
	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	
Cape Chatte			\$			\$			\$			\$			\$	
St. Anne des Monts			20	2	30	20	1	60	75			3	115	1	32	9
do							1	75	60							
do							2	150	40							
do																
do																
do																
do																
Rivière à la Marthe																
do																
Marsouis																
St. Anne																
River Glade																
Rivière à Pierre				2	75	30	1	50	60							
Mont Louis																
Ruisseau des Olives																
Anse Pleureuse																
Gros Mâle				1	35	15										
Manche d'Épée				2	70	25										
Petite Rivière Madeleine				2	75	28										
Rivière Madeleine																
Grande Anse				2	60	25	1	60	75							
Grande Vallée																
Anse à Collin																
Petite Vallée																
Pointe à la Frégate																
Petit Anse				1	40	15										
Grand Chloridorme																
Petit Chloridorme																

RETURN showing the Kinds and Quantities of Fish on South Shore of the Gulf
River, Province of Que

NAME OF STATION.	Salmon, barrels, cured.	Salmon, fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, smoked, boxes.	Summer	Fall	Haddock, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels, pickled.	Smoked Herring, boxes.
					Fishing.	Fishing					
					Cod, quintals.	Cod, quintals.					
Cape Chatte					1200	100				15	4
do					200	25				20	
St. Anne des Mouts	2				1000	100				25	
do					1200	150				20	
do					1100	100					
do					100	20				4	
do					125						
Rivière à la Marthe					550	50			10	10	
St. Anne		2135			125						
Marsouis											
Claude River					1100	400				15	
Rivière à Pierre	11				450	100				10	
Mont Louis	5				1900	350				60	
Ruisseau des Olives					300	150				9	
Anse Pleureuse	10½				200	75				10	
Gros Mâle	9				500	100				6	
Manche d'Epée					450	150			2	10	
Little Madeleine					300	75				4	
Magdalen River	11				1400	250				25	
Grand Anse					175	75			2	7	
Grande Vallée	½				2000	300			4	50	
Anse à Collin					250	75				6	
Little Vallée					550	150				15	
Point à la Frigate					800	200			3	15	
Petite Anse					500	100				12	
Grand Cloridorme					1000	175				16	
Petit Cloridorme	½				800	150			2	11	
Pointe Sèche					1300	225			3	30	
Grand Etang					1600	250			8	20	
Anse à Valcau					750	150			3	18	
Pointe Jaune					500	150				15	
Echourie					350	150				10	
Grande Anse					375	125			1	15	
Petit Cap					900	200			2	12	
Petite Rivière au Renard					1000	200				15	
Grande Rivière au Renard					4500	1500			4	150	
Anse à Fougère					100	35				2	
Anse à Gris Fond	½				3550	100			5	100	
Trois Ruisseaux					225	70				6	
Jersey Cove					150	80			2	6	
Anse à Louise					2000	600			3	20	
Cap des Rosiers					3500	1000				40	
Newport		283	392		5601	2295	95		12		
Anse au Canard			4000		143	87	5			11	
Grand Pabos			5171		1850	460	10				
Little Pabos			5500		3760	845	31		6	9	
Grand River		4000	1102		8022	1873	22			20	
Little River					2060	320					
Cap D'Espoir					505	195				24	
Cape Cove	3				3900	1185				40	
Anse à Beaufils		1000			2560	690				38	
Percé		80			7980	2457	16	½		31	
Bonaventure Island					3447	825				25	
Cannes de Roches					170	120				12	
Corner of the Beach	3	100			510	240				14	

Division, extending from Cape Chatte to Head of Tide, in the Restigouche
 bec, for the Year 1879.

Mackerel, barrels, pickled.	Trout, barrels.	Sardines, barrels.	Eels, barrels.	Tunny, barrels.	Cod Tongues and Sounds, barrels.	Seals, Whales and Porpoises.				Oils.		Fish and Clams used as Bait and Manure.					Lobsters, in cans, lbs.	Fish used for local consumption, barrels.						
						No. of Seals.	No. of Seal Skins.	No. of Whales.	No. of Porpoises.	Seal Oil, gallons.	Whale Oil, gallons.	Porpoise Oil, galls.	Cod Oil, gallons.	Herring, barrels.	Capelin, barrels.	Smelt, barrels.			Cod Roes, barrels.	Flat Fish, barrels.	Trout, barrels.	Launce, barrels.	Clams, barrels.	
30												2100	350	4000		8						450		
	1	30										400	200	50		11						40	460	
10	2											300	200	40								60		
15	6											70	10									13		
	1											40	18											
												60	2											
15	1											200	150	1000									80	
	2											480												
	1																							
												900	125	40		110							80	
												325	55	5									35	
	5											1300	250	11		12						6	40	
												250	50	11		12						10	150	
												180	25	12		13						5	22	
	2											350	60	12								6	40	
	2											300	70	10		10						4	50	
	1											200	40	5		300						5	42	
	2											950	160	60		30						15	60	
	8											150	25	8		12						4	20	
	4											1130	300	10								10	70	
												200	20	8		25						2	12	
												400	65	15								5	25	
												600	100									10	30	
	2											350	60									3	25	
												760	110	5								5	22	
	2											550	100	6								3	45	
	2											850	150	7								5	40	
	3											1200	180	30									4	
	2											525	90									6	25	
	1											325	70									5	32	
												250	55	5								2	25	
												650	120	12								3	26	
												425	90	10								4	70	
												260	50	6								2	42	
15												4000	600									15	400	
												75	14									2	11	
20												3000	500	15		15						12	300	
												175	25	5								2	28	
												200	22	3		20							45	
12												1500	250	25		30							100	
15												3100	350	40		40							150	
42												4642	1388	764	136	100							57784	225
4												211	57	39	7								30	
												900	200	100		40							62400	118
												3180	692	430	20	4								109
												5023	1658	1281		78								326
	2											1420	292	163										163
												37	107	80										45
	4											1820	585	356	36									182
												1610	490	249										100
16												4061	610	214	10									188
19												1652	200	120										50
												178	15	5										15
												533	50	10										25

RETURN showing the Kinds and Quantities of Fish

NAME OF STATION.	Salmon, barrels, cured.	Salmon, fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, smoked boxes.	Summer	Fall	Haddock, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked, boxes.
					Fishing.	Fishing.					
					Cod, quintals.	Cod, quintals.					
Barachois		5700			672	840					25
Belle Anse		3000			160	20					30
Malbaie		2417			2260	745	14				118
Point St. Peter		200			3170	535	21				151
Chien Blanc					1250	230					25
Seal Cove		200			372	25					20
Douglastown		3207			1628	975	150	79			201
Sandy Beach and Lobster Cove		15163			516	257					
Gaspé Basin		15168				10					
South-West Bay and River		13643				12					
North-West do		12257				20					
Peninsula		14500			78	18					
Seal Rock and Cape aux Os		2900			177	64					56
Little Gaspé		2600			83	47					15
Grande Grève	1	2045			1885	825	22	5			118
Indian Cove					861	250					57
St. George's Cove					267	89					41
Ship Head					375	229					20
Paspebiac Point, E.	4½	700			1050	1580					480
Port Daniel, S. W. Point		2457			1100						200
do West Shore		3452			100	20					80
do Bay	10	34838			1200	665					250
L'Anse à la Dam		2056									
L'Anse à Barbe		2906			200	230					175
L'Anse au Gascon	3				1200	300					60
Maguasha		9150									10
Nouvelle		950			18						80
Carleton		27612			65	5					320
Maria		82474			90	10					260
New Richmond, Black Cape		31174			24						460
Capelin		1798	1440		108	70					460
Little and Big Bonaventure					2432	960	70	50			2400
New Carlisle					132	35	5	5			600
Paspebiac, W.					720	800	50	50			535
Maguasha Point to Tide Head		71776									
Total, South Side	72½	374767	17605		101776	31103	511	187½	67	8167	1009

South Shore of the Gulf Division, &c.—Continued.

	Mackerel, barrels.	Trout, barrels.	Sardines, barrels.	Eels, barrels.	Tunny, barrels.	Cod Tongues and Sounds, barrels.	Seals, Whales and Porpoises.				Oils.			Fish and Clams used as Bait and Manure.				Lobsters, in cans, lbs.	Fish used for local consumption, barrels.				
							No. of Seals.	No. of Seal Skins.	No. of Whales.	No. of Porpoises.	Seal Oil, gallons.	Whale Oil, gallons.	Porpoise Oil, galls.	Cod Oil, gallons.	Herring, barrels.	Capelin, barrels.	Smelt, barrels.			Cod Roes, barrels.	Flat Fish, barrels.	Trout, barrels.	Lance, barrels.	Clams, barrels.
10												800	150	20	15							108	
1												80	60										20
23												1380	1060	39		6							74
45						2						1626	1296	102		5							77
5						2						750	150										50
												365	15										16
85												840	268	151									92
87												296											160
5												2											29
10									13		8015												35
6																							40
84												20											32
6												117	25	10									40
												90	20										25
6												1448	461	152									30
												491	179	55									60
												168	50	8									45
												265	50	37									40
10												2450	300	1000	45							10	775
												1000	100										250
20												100	30										100
10												1700	250		15							20	60000
																							350
5												400	60		100								100
15												1800	300	400	150							30	275
												12											5
4												50											12
6												81											15
15				12								15	7										6
40												154	500										20
7												2688	500										130
12												110		500									4
5												1260	200	1000									132
9																							
798	69	30	12			120				13	8015	74663	17305	12740	534	881	300			658	398648	7156	

TOTAL CATCH and Value of the South Shore Fisheries, from Cape Chatte to Head of Tide, in Restigouche River.

Kinds of Fish.	Quantities.	Prices.		Value.	
		¢	cts.	\$	cts.
Salmon, salt.....	72½ barrels...	12	00	870	00
do fresh, in ice.....	374,767 lbs.....	0	05	18,738	35
do canned.....	17,605 lbs.....	0	15	2,640	75
Cod, Summer fishing.....	101,776 cwt.....	4	00	407,104	00
do Fall do.....	31,103 cwt.....	4	00	124,412	00
Haddock.....	511 cwt.....	4	00	2,044	00
Ling.....	187½ quintals.....	4	00	750	00
Halibut.....	67 barrels...	6	00	402	00
Herring, salt.....	8,167 do ...	5	00	40,835	00
do smoked.....	1,009 boxes....	0	25	252	25
Mackerel.....	798 barrels..	8	00	6,384	00
Trout.....	69 do ...	8	00	552	00
Sardines.....	30 do ...	2	60	78	00
Eels.....	12 do ...	7	00	84	00
Cod Tongues and Sounds.....	120 do ...	9	00	1,080	00
Whale Oil.....	8,015 gallons..	0	50	4,007	50
Cod Oil.....	74,663 do ...	0	50	37,331	50
Fish and Clams used as bait and manure.....	32,419 barrels...	1	00	32,419	00
Lobsters, canned.....	398,648 lbs.....	0	15	59,797	20
Fish used for local consumption.....	7,156 barrels...	4	00	28,624	00
Total value of the catch in 1879.....				768,405	55
do do 1878.....				773,530	65
Total decrease in value in 1879.....				5,125	10

N.B.—This decrease is solely due to the fact that I have valued several of the fisheries, and especially the cod, at a considerably lower rate than was adopted last season. Had I taken the same values, a very large increase would have been shown in the total value of this year's fishery over last year's.

SECOND DIVISION.

THE NORTH SHORE FISHERIES.

FROM MANICOUAGAN TO BLANC SABLON.

Cod Fishery.

This fishery, in this division, began unusually early, and was very abundant during the summer season; bait was sufficiently abundant all along the coast, which, from Manicouagan to Blanc Sablon, is about 500 miles in extent. I only visited a small part of this great extent of coast myself. From Moisie to Bonne Esperance I did not visit, as it was altogether out of the course of the "Napoleon."

All along the lower part of the Labrador coast, an immense number of vessels from the United States, Newfoundland and the Maritime Provinces came to carry on the cod fishery; the majority of these vessels carry cod seines; our own fishermen who mostly use lines are much troubled by these seiners, who do not hesitate to haul their seines among and around our boats. It is quite out of the power of the local officers to carry out the law, which does not permit a seiner to cast his seine within half a mile of a line fisherman.

The following table shows the quantity of cod taken this season as compared with last:—

	1878.	1879.	Increase.	Decrease.
Summer	51,381	73,479	22,098	
Fall	5,098	4,651		
American, Newfoundland and other vessels	104,000	148,729	44,729	
Total	160,479	226,859	66,827	447

This shows the total increase to have been 66,380 cwts.; or, setting aside the fish taken by outsiders in vessels, the gain of our own north shore fishery is 21,651 cwts. I here present a list of vessels that called at Bonne Esperance during the season:—

Name.	Where from.	Business.
Schooner J. W. Arnold.....	Halifax, N.S.....	Trader.
Delta.....	St. Johns, Newfoundland.....	Fishing.
Albatross.....	do do.....	do
Steamship Tiger.....	do do.....	do
Schooner Edith.....	Lunenburg, N.S.....	do
Java.....	Halifax.....	Trading.
Marie Malvina.....	Quebec.....	Fishing.
Trial.....	Newfoundland.....	do
Otter.....	do.....	do
Snow Queen.....	Halifax.....	Trading.
Stadacona.....	Quebec.....	Freighting.
Maria.....	do.....	do
Adelina.....	do.....	Trading.
Cordelia Viager.....	Lunenburg, N.S.....	Fishing.
E. D. Myra.....	do.....	do
Atlas.....	do.....	do
Greyhound.....	Newfoundland.....	do
Dublin.....	La Have, N.S.....	do
Vantage.....	do.....	do
Kinace.....	do.....	do
Emily.....	Newfoundland.....	do
Spring Bird.....	La Have, N.S.....	do
Escort.....	do.....	do
Jaber.....	Newfoundland.....	do
Fortune.....	do.....	do
Julia Ann.....	do.....	do
Anna A. Friel.....	La Have, N.S.....	do
Young Builder.....	Newfoundland.....	do
Experiment.....	do.....	do
Cambria.....	do.....	do
Dash.....	do.....	do
G. W. Lyle.....	Prince Edward Island.....	do
Dove.....	Newfoundland.....	do
Arequita.....	La Have, N.S.....	do
Venus.....	Newfoundland.....	do
Elizabeth.....	do.....	do
S. G. Irwin.....	Halifax.....	Trader.
Isabel.....	Newfoundland.....	Fishing.
Pine Lore.....	do.....	do
Frizen Fraw.....	do.....	do
Pioneer.....	do.....	do
Georgiana.....	Labrador.....	Freighting.
Snow Drop.....	England.....	do
Steamship Kite.....	Newfoundland.....	Mail steamer.
Curlew.....	do.....	do
Napoleon III.....	Quebec.....	Government service.
Schooner Landseer.....	Halifax.....	Trading.
Maylona.....	England.....	Freighting.
C. W. Payne.....	Halifax.....	Fishing.
Forward.....	England.....	Freighting.
Princess.....	Halifax.....	Trading.
Steamship Plover.....	Newfoundland.....	Mail steamer.

In this connection, I venture to call your attention to the report of Mr. Whitely, the overseer at Bonne Esperance. He says: "A large number of vessels frequented this division, and were with difficulty restrained from violations of the fishery laws. In one case, I had to call out all my own men (30) to prevent an open violation. Only through my personal influence—(Mr. Whitely is one of the principal fish merchants on the north coast—a magistrate and the postmaster at Bonne Esperance)—can I preserve order among my own neighbours. The inhabitants complain of the seiners interfering with their rights, and demand protection, &c. I am assured that there is also a good deal of smuggling along this coast by some vessels that clear from the Lower Province ports with goods in bond ostensibly for Newfoundland, but really to trade along the Labrador. Our own traders complain that having to pay duties in Quebec, they cannot compete with those who pay none. Newfoundland vessels are also found trading here.

Herring.

The herring catch shows a falling off; the quantity taken during the spring and summer was about the same, but in the fall they missed almost altogether. They were also very small in size, so much so that they were only worth taking for bait. Seventeen (17) vessels that went down to Labrador and Newfoundland for herring from Esquimaux Point returned with only 265 barrels; the fishermen state that the herring were plentiful, but too small to be worth taking. These fishermen also complain that the commanders of the French war vessels will not allow them to seine when they are there.

	1878.	1879.	Decrease, 1879.
Herring Brls.	15,116	11,270	3,846

Mackerel.

This fish was unusually plentiful all along the north shore, but owing to its inferior quality, it was not taken for curing purposes to any extent. The fish were very small and lean. This fishing is not prosecuted to any extent by the north shore fishermen.

	1878.	1879.	Decrease, 1879.
Mackerel..... Brls.	4,077	965½	3,111½

Salmon.

This fishery also shows a very considerable falling off as compared with the year before. The season was very early, and, I believe, the salmon went directly up the rivers. As far as I can gather from those I have conversed with, and from the reports of the local overseers, an unusual number of salmon have been seen up the rivers. The annexed table shows the falling off as compared with 1878:—

	1878.	1879.	Decrease, 1879.
Salmon, salt, in barrels.....	2,449	888	} 189,902
do fresh, in ice..... Lbs.	33,886	309,884	
do smoked..... "	.....	1,200	

By the above it will be seen that the quantity put up fresh in ice has increased but there has been a very great falling off in the quantity salted in barrels. I think the fishermen were late in getting out their nets, and that the best run of fish had passed up into the rivers before the nets were out. If I am right in thinking that the salmon have thus escaped the nets, and got right up to their spawning-grounds in greater numbers than usual, then we may look out for an increased catch of salmon in a few years, as the rivers will be well stocked with young fish next spring unless at Moisie and at St. Johns, the salmon fishery on the north shore is not carried on with any very great skill. Most of the fishermen are poorly supplied with nets, and do not attend to such as they have, with the same care, that the south shore salmon fishermen do.

Seal Fishery.

This is another very important fishery on the north coast, and it also shows a very material falling off. The cause is hard to determine, and in the different districts they give different reasons, but they all agree in attributing some part of the scarcity to the great catches made at the mouth of the Straits of Belle Isle by the Newfoundland vessels. This year there was but little good ice came in through the straits. In the Bonne Esperance division this fishery failed entirely.

The following table gives a list of schooners belonging to Esquimaux Point, engaged in the seal, cod and herring fisheries during the season of 1879.

Name of Vessel.	Master.	Port.	Tons.	Men.	No. of Seals.	Quintals of Cod.	Herrings, bris.
Marie du Sacré Cœur...	Onesime Turbide	Gaspe.....	46	10	60	450	12
Iberville.....	Hyp. Boudreau	do	41	10	50	500	20
Labrador.....	Placide Doyle.....	do	43	10	100	450	.....
Amelia.....	Paul Cormier.....	do	50	10	25	530	5
Mary Anne.....	Dominique Landry	do	35	8	15	332	.....
Marguerite.....	Isaie Cormier.....	do	27	8	60	100	60
Progress.....	Nathaniel Boudreau.....	do	52	10	18	520	.....
Ice Bird.....	Villebon Therriault.....	do	39	10	30	.....	.....
J. C. Miller.....	Andrew Vigneau.....	Halifax, N.S.	42	10	60	450	.....
Acara.....	Napoleon Blais.....	do	29	8	40	160	.....
D. H. P.....	Samuel Doyle.....	do	29	8	30	200	.....
D. Cronan.....	Peter Le Marquand.....	do	39	8	14	.....	.....
Busy.....	Benjamin Petitpas.....	Lunenburg, N.S....	38	8	30	100	40
St. Marie.....	Alex. Sherer.....	Quebec.....	37	8	15	300	.....
Elizabeth.....	Luke Cormier.....	do	27	7	100	268	18
Marie Louise.....	Mathias Roberge.....	do	11	5	7	140	8
Gleaner.....	Benjamin Landry.....	do	40	10	32	400	20
Gorilla.....	Vital Boudreau.....	do	41	10	50	500	20
Pioneer.....	Chas. Le Brun.....	do	38	9	28	400	24
Victoria.....	Gabriel Cormier.....	Amherst, N.S.	46	10	17	550	.....
Fleetwing.....	Julien Boudreau.....	do	47	10	20	.....	20
Stella Maris.....	Frank Cummings.....	New, not registered	42	10	21	400	8
C. L. B.....	Chas. Landry.....	do	18	6	8	100	10
Total.....			857	203	830	6,850	265

RETURN showing the Number of Freighting, Trading and Coasting Vessels, in the Mingan Division, during the Season of 1879.

Name of Vessel.	Tons.	Master's Name.	Where Registered.	Remarks.
St. Anne.....	66	Gilbert McNeil.....	Quebec.....	Trading for Turgeon & Corriveau, dealing in seal skins, fur, fish and oil.
Frank	64	Louis Dugal.....	do	do
Ellie.....	116	John W. Pitts.....	Halifax, N.S.....	General trading for Lachance & Dugal
Vulture.....	38	Xavier Joncas.....	Shippagan, N.B.....	Coasting and taking codfish to Gaspé, for J. Le Boutillier & Co.
Primrose.....	56	F. X. Meterier.....	Quebec.....	Bringing fishermen to Shelldrake and freighting.
La Victoria.....	43	Richard Duguey.....	do	Freighting and trading from and to Quebec.
Flying Fish.....	48	Richard Miller.....	Gaspé.....	Running the 'packet' from Gaspé to North Shore.
Paspébiac.....	57	Xavier Le Blanc.....	New Carlisle.....	Coasting for Messrs C. Robin & Co., and taking fish to Paspébiac.
Ant.....	52	Abel Huard.....	do	do
Ellen Mary.....	60	John Moulin.....	do	do
Providence.....	48	David Law.....	do	do
Isabella.....	45	Joseph Lepage.....	do	C. Hamilton & Co., and bringing fishermen to North Shore.
Gleaner.....	60	Frank Le Blanc.....	Jersey.....	do Le Boutillier Bros., and taking fish to Paspébiac.
Speedy.....	55	Ren. Aslin.....	Gaspé.....	do J & E. Collas, and taking fish to Gaspé.
Hasty.....	46	Wm. Lucas.....	Jersey.....	do
Standard.....	93	Capt. Le Scelleur.....	do	do
Marie Sarah.....	35	Capt. Jacques.....	Quebec.....	Freighting from Quebec to North Shore.
Wolverine.....	40	E. Adams.....	Gaspé.....	Coasting for J. Le Boutillier & Co., and taking fish to Gaspé.

Bait.

Bait was plentiful during the season of the summer fishing, it consisted mainly of capelin, herring, mackerel, launce and clams. The total amount of these fish taken for bait was 112,009 barrels.

The following table will show the total catch on the north shore, and the value as compared with 1877 and 1878; it includes the fish caught by about 300 vessels from the United States, Newfoundland and the Maritime Provinces. In spite of the decrease in price it shows that the value of the fishery exceeds that of the past years. This is due solely to the increase in the cod fishery, as all the other fisheries have fallen off. I have, all through, valued the cod at \$4 per cwt., instead of \$5, at which price I see it was valued last year.

RETURN showing Number and Value of Vessels, Boats, Nets, Fishermen, Shoremen, Sailors, &c., in the North Shore Division, Province of Quebec, for the Year 1879.

NORTH SHORE, FROM MANICOUAGAN TO BLANC SABLON.

NAME OF PLACE.	Vessels.			Fishing Boats.		Flat Boats.		No. of Fishermen.	No. of Shoremen.	NETS AND SEINES.							
	No.	Tons.	Value.	No. of Sailors.	No.	Value.	No.			Value.	Salmon Nets.		Cod Seines.		Herring Seines.		
											No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.
Manicouagan	1	18	300	5	1	8	1	1	1	100	50	1	100	50	1	100	50
do	1	18	300	5	1	20	1	2	1	80	40	1	80	40	1	80	40
Pointe aux Anglais	4	91	3200	25	16	667	4	132	10	36	10	10	36	10	10	36	10
Pentecost River	7	125	624	24	14	416	7	10	1	1	1	1	1	1	1	1	1
Galles Rouges	1	6	2	5	2	6	2	18	8	5	2	2	5	2	2	5	2
Pointe des Cauees	4	72	1300	18	9	125	9	5	5	30	30	1	800	320	5	800	320
Pointe Jambon	1	14	200	3	1	40	3	3	3	9	9	1	800	320	5	800	320
Riviere Ste. Marguerite	3	61	1680	8	34	1001	15	142	59	14	142	14	142	59	14	142	59
do	1	18	300	4	30	1908	24	276	69	27	212	13550	5260	27	212	13550	5260
Seven Islands	1	18	300	4	9	640	2	20	18	9	9	18	360	185	12	1920	1920
Moisie	3	61	1680	8	34	1001	15	142	59	14	142	14	142	59	14	142	59
Shallop River	1	18	300	4	30	1908	24	276	69	27	212	13550	5260	27	212	13550	5260
Sheldrake	83	5100	24	360	170	200	2	300	185	12	1920	1920	1920	1920	1920	1920	1920
Primrose Cove	2	120	1	15	4	2	1	15	4	2	1	140	60	1	140	60	1
Thunder River	42	3000	10	200	84	70	2	280	200	2	280	200	200	200	200	200	200

RETURN showing Number and Value of Vessels, Boats, Nets, Fishermen, Shoremen, Sailors, &c.—Continued.

NORTH SHORE, FROM MANICOUAGAN TO BLANC SABLON—Continued.

NETS AND SEINES.

NAME OF PLACE.	Herring Nets.		Mackerel Seines.		Mackerel Nets.		Capelin Seines.		Lance Seines.		Seal Nets.		Brush Fisheries.		Trout Nets.	
	No.	Yards.	No.	Yards.	No.	Yards.	No.	Yards.	No.	Yards.	No.	Yards.	No.	Yards.	No.	Yards.
Manicouagan.....																
Godbout.....	2	120	4	240												
Pointe des Monts.....	1	60	20		1	60	25									
Trinity Bay.....															4	174
Petit Mel.....																64
Ilets à Caribou.....	2	84	30													5
Calumet.....																
do.....																
Isle aux Œufs.....	1	50	12													
Pointe aux Anglais.....	8	388	74													
Pentecost River.....	3	144	16													
Caillies Rouges.....																
Pointe des Cayees.....																
Pointe Jambon.....	7	168	72		3	60	36									
Rivière Ste. Marguerite.....																
do.....																
Seven Islands.....	9	264	12860	3	72	42										
Moisie.....	1	24	12													
Shallop River.....	2	80	24		1	56	50									
Shieldrake.....	6	240	72		7	392	350	11	704	880						
Primrose Cove.....	2	80	20		2	80	50									
Thunder River.....	2	80	25		1	70	100									

RETURN showing the Kinds and Quantities of Fish in the North

MANICOUAGAN TO

Name of Station.	Salmon, Cured, brls.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer	Fall	Haddock, quintals.	Ling, quintals.	Halibut, brls.	Herring, brls.	Herring, Smoked, boxes.	Mackerel, brls.
					Cod, quintals.	Cod, quintals.						
West St. Giles.....												
East St. Giles.....												
Saint Pancrace.....	8											
East Becscie River.....												
Petit St. Nicholas.....	9				6					3		3
La Table.....	16											
Pointe des Monts.....	5				12					4		2
Rivière Godbout.....		238			8					3		3
Manicouagan.....												
Pointe des Monts.....	4	20			12					10		2
do.....												
Trinity Bay.....	56					4						6½
Petit Mai.....					160	27						2
Islets à Caribou.....	23½				10	63			2½			60
Rivière Calumet.....	4											
Isle aux Œufs.....	½											4½
do.....					20	27			1	1½		13
English Point.....					704	69			½			2
Rivière Pentecôte.....					181	68						
Cailles Rouges.....					222	57						
Pointe des Cawees.....					15							
Jambons.....					365	462			8	158		4
Sept Iles.....					615	163			5	410	15	10
Rivière Ste. Marguerite.....	6				56	108						
Moisie.....	23	267109	1200		1424	182			2			30
Sept Iles.....					581	70				40		8
Pigou.....					640	87			1			2
Shallop River.....	2½				900	30						4
Sheldrake.....					7180	200						2
Primrose Cove.....					100	20						
Thunder River.....					4000	300						
Indian Harbour.....					2000	400						
Ridge Point.....					1800	200						
Jupitagan.....	6				80	20						
Magpie.....					8100	600						
Magpie River.....	43				25	20						
St. John's River.....		35170			8550	400						
Long Point.....					1450	495			15			
Mingan.....	42											
Romaine River.....	25											
Esquimaux Point.....					6850	100				265		314
Betchowan.....					600							
Ateepital Bay.....	3½											
La Corneille.....	10											
Piashter Bay.....	1				70							
Grand Watsheeshoo.....	13				62							
Petit Watsheeshoo.....	7											
Nabissippi River.....	20				385	12						5½
Agwanus River.....	20				405	2						2
Washtahwooka.....					337					112		2½

RETURN showing the Quantities and Kinds of Fish in the North

MANICOUAGAN TO

Name of Station.	Salmon, Cured, brls.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer Fishing.	Fall Fishing.	Haddock, quintals.	Ling. quintals.	Halibut, brls.	Herring, brls.	Smoked Herring, boxes.	Mackerel, brls.
					Cod, quintals.	Cod, quintals.						
Natashquan Harbour.....					3640				2	14		5
Natashquan.....	33				1317					132		22½
Natashquan River.....	175	7347			112	340				4		2
Kegashka River.....	28				50			10		20		10
Kegashka Harbour.....					450	100						
Point Micmac (not fished).....												
Musquaro River.....	5											
Cloudberry Point.....	6				12							
Washeecootai River.....	12											
Washeecootai Harbour.....					250			8		10		5
Romaine River.....	15											
Coacoachoo.....	2											
Moustachini.....	¼				30							
Litamamio River.....	22											
Pointe du Mourier.....	2											
Ile Ste. Marie.....					82							
Wastagastick.....												
Harrington Harbour.....	2				282	25				30		
Rivière Netagamio.....												
Harrington Harbour.....					540							
Petit Meccatina.....					158							
Gull Island.....					50							
Providence Harbour.....	2				71							
Rigolet au Chat.....					160							
Sloop Harbour.....					250					35		
Whale Head.....	9				160							
Havre Baie des Moutons.....	16											
Baie des Moutons.....	1				427							
do.....					660							265
L'Anse à la Tabatière.....					100							
Grand Meccatina.....	1											
Big Meccatina Island.....	2				50					7		
do.....												
Pointe Rouge, Tabatière.....	2				138							3
Tabatière, Lac Salé.....	3				20							
Spar Point.....	2				60					10		
Fonderie Fecteau.....	3											
Ile Kikapoe.....	1½				24							
Rivière Kikapoe.....	1½				4					1		
Pointe Rouge.....	3											
Petit Rigolet.....	3½											
Ile Pocachoo.....	3											
Grand Rigolet.....	3½											
Rivière St. Augustin.....	10											
Baie St. Augustin.....	4											
Lac Salé, St. Augustin.....	15											
Grosse Ile St. Augustin.....	7											
Rivière de l'Ile St. Augustin.....	1											
Havre St. Augustin.....	½				75							
Ile du Chien St. Augustin.....	10											
Sandy Island.....	6				15							

RETURN showing the Kinds and Quantities of Fish in the North

MANICOUAGAN TO

Name of Station.	Salmon, Cured, brls.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer Fishing.	Winter Fishing.	Haddock, quintals.	Ling, quintals.	Halibut, brls.	Herring, brls.	Smoked Herring, boxes.	Mackerel, barrels.
					Cod, quintals.	Cod, quintals.						
Pointe à Giroux.....												
Portage Cove.....	6				28							
Canso Harbor.....	2				45							3
Mustinogue.....	2				250							15
Chicatica.....	4				150							6
Tabatière.....					200							
Baie des Moutons.....					340							57
Harrington Harbour.....					107							
Nabitipi River.....	3				20							
Bull Cove.....	10				150							
Baie des Rochers.....	4				600							
Lydia's Cove.....	6				30							
Dog Islands.....	2				140							
Pêche à Lizotte.....	5				10							
Old Fort Island.....					400							40
Burnt Island.....					50							
St. Paul's River.....	40				25							
Bonne Esperance.....	8				2755							10
Pigeon Island.....	8				1000							
Stick Point.....	8				900							
Salmon Bay.....	23				8440							40
Bradore Bay.....					360							
300 schooners for United States, New- foundland and Maritime Provinces..					148729					10000		
Long Point.....					240							
	888	309884		1200	222208		4651		55	11270		965½

TOTAL CATCH and Value of North Shore Fishery from Manicouagan to Blanc Sablon.

Description.	Quantities.	Prices.		Value.
		\$	cts.	\$ cts.
Salmon, salt.....	888 barrels...	12	00	10,656 00
do fresh.....	309,884 lbs.	0	05	15,494 20
do smoked.....	1,200 lbs.....	0	10	120 00
Cod, Summer.....	222,208 cwt.....	4	00	888,832 00
do Fall.....	4,651 cwt.....	4	00	18,604 00
Halibut.....	55 barrels...	6	00	330 00
Herrings.....	11,270 do ...	5	00	56,350 00
Mackerel.....	965½ do ...	8	00	7,724 00
Trout.....	61 do ...	8	00	488 00
Cod Tongues and Sounds.....	11½ do ...	9	00	103 50
Seal Skins.....	3,158.....	1	00	3,158 00
do Oil.....	18,228 gallons...	0	50	9,114 00
Cod Oil.....	210,835 do ...	0	50	105,417 50
Fish and Clams used as bait and manure.....	112,009 barrels...	1	00	112,009 00
Fish used for local consumption.....	11,670 do ...	4	00	46,680 00
Total value in 1879.....				1,275,080 20
do in 1878.....				1,167,554 30
Increase in 1879.....				107,525 90

THIRD DIVISION.

MAGDALEN ISLANDS.

All the fisheries in this division show a very considerable increase over those of the past years, in fact of many past years, with the exception of the lobster fishery, and this is shorter than last year owing to the fact that the season was shorter. I am indebted for all the information I have concerning the Magdalen Island fisheries to the local officer, J. J. Fox, Esq., whose very clear and complete statistics I have taken in full, with remarks he has furnished concerning the various fisheries. I shall take the Magdalen Islands fisheries in the order in which they occur.

Seal Fishery.

Seal hunting on shore ice began on the 8th March, and continued until April. The catch was good. Sixteen (16) schooners left the Magdalen Islands for the gulf fishery on the 20th March, and returned in April. The seal net fishery was a failure; 5,890 fathoms of seal nets were set, and only 57 seals captured.

	1879.	1878.
Total catch of seals—On shore ice, by inhabitants...	16,050	483
do do by 16 vessels....	9,150	5,467
do do by nets.....	57	89
Total.....	25,257	6,039
	being 19,218 in excess of 1878.	

Spring Herring.

This fishery began the 30th April, and ended 16th May; 46 vessels were employed in it; these with the shore boats took as follows:—

	1879.	1878.
46 vessels, brls.....	18,465	10,544
Shore boats, brls.....	2,548	3,331
Total.....	21,013	13,875
Increase.....	7,138	

For the last four years this fishery has been decreasing. Fish are not so abundant as formerly. Part of the fleet did not secure a full cargo here, and left for Anticosti and the north shore to fill up.

Spring Mackerel.

Twenty-two vessels were engaged in this fishery, chiefly from the Maritime Provinces, besides the shore boats. Netting commenced in Pleasant Bay on the 28th May, and ended 11th June. This fishery was good.

	1879.	1878.
Strangers in vessels.....	2,444	794
Shore boats.....	1,694	917
	4,138	1,711
	2,427 excess in 1879.	

Summer Herring (Net Fishery.)

This fishery has only been followed for a few years ; it began this season on the 1st July, and continued for three weeks. Twenty vessels, chiefly from Nova Scotia, were engaged in it, and did well ; 2,876 barrels of these fat herrings were taken, which is double the catch of last year.

Summer Mackerel Fishery.

This fishery began in Pleasant Bay the 1st of August, and fish continued plentiful until the end of September. The catch was only 1,539 barrels. Any quantity could have been caught, but the prices ruled so low that merchants (local) would not buy or supply the fishermen with the salt to cure them. The fish were much larger and fatter than last season.

Summer Cod Fishery.

This fishery was good ; fish were abundant, but after the capelin passed about the end of June, bait was scarce ; 13 vessels fitted out for the Labrador coast, and returned with good fares.

	1879.	1878.
By vessels, cwt.....	4,545	3,000
Shore boats, cwt.....	13,829	12,297
	18,374	15,297
	15,297	
	3,077	

The lobster fishery has been good, but, owing to the season having been shortened, a less quantity has been canned. There were five canning establishments in opera-

tion at the Islands this season. At these the quantity of lobsters taken were as follows:—

Grand Entry :

1. J. B. Webb & Co	158,400 lbs.
2. N. McPhail.....	74,820 "

House Harbour :

3. J. B. Webb & Co	53,505 "
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Etang du Nord :

4. J. B. Webb & Co.....	31,200 "
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Amherst Harbour :

5. J. B. Webb & Co	58,656 "
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Total	<u>376,641</u> "
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valued at \$56,496.15, and being 18,543 pounds less than last year. I believe it is the intention of the packers to apply for an extension of the season. If these fisheries are to be preserved and protected, I do not see how any extension can be granted.

RETURN OF FISHING STATIONS, kind of Vessels, number of Men,

MAGDALEN

Name of Place.	Vessels.				Fishing Boats.		Flat Boats.		No. of Fishermen.	No. of Shoremen.	Salmon Nets.			Cod Seines.		
	No.	Tons.	Value.	No. of Sailors.	No.	Value.	No.	Value.			No.	Yards.	Value.	No.	Yards.	Value.
<i>Amherst Island.</i>			\$			\$		\$				\$		\$		
Pleasant Bay and Amherst Harbour.....	4	136	4,200	17	53	2,120	15	900	100	73						
Basin.....					25	1,000	6	36	58	50						
L'Anse au Moulin.....					16	640	8	48	36	30						
L'Anse à la Cabane.....					38	1,520	10	60	92	80						
Etang du Cap.....					16	640	6	36	36	25						
<i>Grindstone Island.</i>																
Etang du Nord.....	1	10	200	4	74	3,700	30	180	187	164						
Cape Mull.....					5	200	3	18	10	6						
Hospital.....					14	560	10	60	28	18						
<i>Allright Island.</i>																
House Harbour.....	16	591	23,600	14	54	2,160	70	420	201	132						
L'Anse à Elie.....					12	480	6	36	26	20						
South Beach.....					44	1,760	20	120	89	70						
<i>Gross Isle & Grand Entry.</i>					42	1,680	4	24	79	10						
<i>Byron Island.</i>					18	720			36	16						
<i>Entry Island.</i>					9	360	4	20	18	6						
Totals.....	21	737	28,000	35	420	17,540	192	1,962	996	700						

kinds of Nets used, kinds of Fish and Fish Oils, &c., &c.

ISLANDS DIVISION.

NETS AND SEINES.

Herring Seines.			Herring Nets.			Mackerel Seines.			Mackerel Nets.			Capelin Seines.			Lanuce Nets.			Seal Nets.			Brush Fish'ries	
No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Value.
		\$			\$			\$			\$			\$			\$			\$		\$
2	400	500	19	760	190	.....	.....	.....	206	10,300	2,472	2	120	120	.....	.....	.....	10	600	300	.....	.....
.....	.....	.....	36	1,440	360	.....	.....	.....	140	7,000	1,680	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	34	1,360	340	.....	.....	.....	139	6,900	1,656	.....	.....	.....	.....	.....	.....	13	800	400	.....	.....
.....	.....	.....	80	320	800	.....	.....	.....	188	9,400	2,256	.....	.....	.....	.....	.....	.....	12	800	400	.....	.....
.....	.....	.....	23	920	230	.....	.....	.....	19	950	228	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	300	200	.....	.....	.....	.....	.....	.....	35	1,750	420	1	60	60	.....	.....	.....	99	5,850	2,925	.....	.....
.....
1	200	100	4	160	40	.....	.....	.....	15	750	180	1	60	60	.....	.....	.....	36	2,160	1,080	.....	.....
.....	.....	.....	5	200	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	43	1,720	430	.....	.....	.....	18	900	216	.....	.....	.....	.....	.....	.....	4	220	110	.....	.....
.....	.....	.....	4	160	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	120	60	.....	.....
.....	.....	.....	19	760	190	.....	.....	.....	8	400	96	.....	.....	.....	.....	.....	.....	20	1,230	600	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	67	3,350	804	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	900	800	267	10,680	2,670	.....	.....	.....	834	41,700	10,008	4	340	340	.....	.....	.....	195	11,780	5,875	.....	.....

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

MAGDALEN

Name of Station.	Salmon, Cured, barrels.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer Fishing.	Fall Fishing.	Cod, quintals.	Haddock, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Smoked Herrings, boxes.	Mackerel, barrels.	Trout, barrels.	Sardines, barrels.	Eels, barrels.
<i>Amherst Island.</i>																
Pleasant Bay and Amherst Harbour.....	1,328	20	.....	.....	.....	.....	20,575	.....	2,970	.....	.....	.....
Basin.....	1,318	65	.....	.....	.....	.....	58	.....	284	.....	.....	.....
L'Anse au Moulin.....	1,145	45	.....	.....	.....	.....	69	.....	302	.....	.....	.....
L'Anse à la Cabane.....	2,170	128	.....	.....	.....	.....	85	.....	644	.....	.....	.....
Etang du Cap.....	835	44	.....	.....	.....	.....	41	.....	33	.....	.....	.....
<i>Grindstone Island.</i>																
Etang du Nord.....	4,939	609	.....	.....	.....	.....	576	.....	378	.....	.....	.....
Cape Mull.....	84	.....	.....	.....	.....	.....	60	.....	15	.....	.....	.....
Hospital.....	280	.....	.....	.....	.....	.....	170	.....	40	.....	.....	.....
<i>Allright Island.</i>																
House Harbour.....	4,471	.....	.....	.....	.....	.....	1,173	.....	50	.....	.....	.....
L'Anse à Elie.....	52	.....	.....	.....	.....	.....	159	.....	84	.....	.....	.....
South Beach.....	630	.....	.....	.....	.....	.....	452	.....	295	.....	.....	.....
<i>Grosse Isle and Grand Entry</i>																
.....	110	15	.....	.....	.....	.....	77	.....	103	.....	.....	.....
<i>Bryon Island</i>																
.....	915	158	.....	.....	.....	.....	268	.....	329	.....	.....	.....
<i>Entry Island</i>																
.....	97	.....	.....	.....	.....	.....	96	.....	150	.....	.....	.....
Totals.....	18,374	1,084	.....	.....	.....	.....	23,889	.....	5,677	.....	.....	.....

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

ISLANDS DIVISION.

Tunny, barrels.	Cod Tongues and Sounds, barrels.	Seals, Whales and Porpoises.				Oils.				Fish and Clams used as Bait and Manure.							Lobsters, in lb. cans, lbs.	Fish used for Local Consumption, barrels.	
		No. of Seals.	No. of Seal-skins.	No of Whales.	No. of Porpoises.	Seal Oil, gallons.	Whale Oil, gallons	Porpoise Oil, gallons.	Cod Oil, gallons.	Herring, barrels.	Capelin, barrels.	Smelt, barrels.	Cod Roes, barrels.	Squid, barrels.	Trout, barrels.	Launce, barrels.			Clams, barrels.
.....	4,000	4,000	.....	.....	14,000	.....	.....	556	94	.....	.....	.....	.....	.....	.....	10	58,656	.....
.....	1,186	1,186	.....	.....	5,358	.....	.....	563	61	.....	.....	.....	.....	.....	.....	28	.....	.....
.....	700	700	.....	.....	2,800	.....	.....	475	50	.....	.....	.....	.....	.....	.....	19	.....	.....
.....	1,720	1,720	.....	.....	6,020	.....	.....	940	93	.....	.....	.....	.....	.....	.....	32	.....	.....
.....	900	900	.....	.....	3,600	.....	.....	391	33	.....	.....	.....	.....	.....	.....	15	.....	.....
.....	3,200	3,200	.....	.....	12,800	.....	.....	2,908	100	.....	.....	.....	.....	.....	.....	136	31,200	150
.....	800	800	.....	.....	2,400	.....	.....	66	6	.....	.....	.....	.....	.....	.....	.....	.....	54
.....	600	600	.....	.....	2,400	.....	.....	88	21	.....	.....	.....	.....	.....	.....	.....	.....	140
.....	10,850	10,850	.....	.....	43,400	.....	.....	2,459	21	.....	.....	.....	.....	.....	.....	7	53,505	47
.....	34	45	.....	.....	.....	.....	.....	.....	16	.....	124
.....	364	107	.....	.....	.....	.....	.....	.....	22	.....	389
.....	58	58	.....	.....	32	.....	.....	48	36	.....	.....	.....	.....	.....	.....	4	233,280	10
.....	35	35	.....	.....	144	.....	.....	430	188	.....	.....	.....	.....	.....	.....	17	.....	60
.....	1,208	1,208	.....	.....	3,600	.....	.....	28	25	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	25,257	25,257	.....	.....	92,154	.....	.....	9,350	880	.....	.....	.....	.....	.....	.....	306	376,641	1,229

TOTAL CATCH and Value of Magdalen Islands Fisheries for 1879.

Description.	Quantities.	Prices.		Value.
		\$	cts.	\$ cts.
Seal Skins.....	25,257.....	1	00	25,257 00
do Oil.....	92,154 gallons...	0	50	46,077 00
Herring, salt.....	23,889 barrels...	5	00	119,445 00
Mackerel salt.....	5,677 do ...	8	00	45,416 00
Cod, Summer.....	18,374 cwt.....	4	00	73,496 00
do Fall.....	1,084 cwt.....	4	00	4,336 00
do Oil.....	9,350 gallons...	0	50	4,675 00
Lobsters, canned.....	376,641 lbs.....	0	15	56,496 15
Fish as bait and manure.....	1,186 barrels...	1	00	1,186 00
Fish for local use.....	1,229 do ...	4	00	4,916 00
Total catch in 1879, value.....				381,300 15
do in 1878 do.....				228,099 35
Increase for 1879.....				153,200 80

FOURTH DIVISION.

ANTICOSTL.

All the fisheries of this Division, with the exception of the salmon and herring, have increased in 1879. The falling off in the herring is so considerable as to be the cause why the valuation of the Anticosti fisheries appears lower than for last year.

Cod Fishery.

By the report of the local Guardian at the west end of the Island, it would appear that a new cod bank had been discovered about a mile and a half to the N.N.E. of the Nest Point. Here, in about 40 or 50 fathoms, cod have been found quite in abundance, even after rough weather. It seems strange that a bank so close in shore, should not have been discovered long before this; anyway some 3,000 cwts. of cod have been taken on it by the fishermen of English Bay.

The total quantity of cod taken on the Island this season, as compared with last, will be seen by the following table:—

	1878.	1879.	Increase, 1879.
Cod, Summer, cwt.....	5,977	11,210	5,233
“ Fall “.....	945	1,079	144
Total.....	6,922	12,299	5,377

Herring Fishery.

The herring passed in very early, and the schooners (American and Nova Scotian) that come for the herring seining in Fox Bay, were nearly all too late, as the herring had passed along the north side of the Island. Herring seem to have been plentiful in and about McDonald's Cove all through the summer fishery. A good many barrels were taken there by the fishermen who frequent this Cove, mostly

men from Douglstown in Gaspé Bay, on the south shore. These men cross over in their boats to fish about Anticosti. After they have put in their crops they complete their fishery and return to the south shore in time to harvest the crops. They are among the best fishermen on the coast, and are particularly thrifty. At the East Point and in Fox Bay herring were scarce all season.

	1878.	1879.	Decrease, 1879.
Herring, Salt, barrels	17,003	5,999	11,004

Mackerel Fishery.

Mackerel were plentiful, but of poor quality, and not many were taken for salting. But few American and Nova Scotian mackerel schooners were seen off the Anticosti coast.

	1878.	1879.	Increase, 1879.
Mackerel, barrels.....	122	157	35

Salmon Fishery.

The salmon fishery shows a very decided falling off, as it has also done on both the south and north shores, and due, I believe, to the same causes—the early spring and the fact that the fish had passed up the rivers before many of the nets were out. Plenty of salmon are seen in the rivers.

	1878.	1879.	Decrease, 1879.
Salmon, Salted, barrels.....	97	41½	56½

Seal Fishery.

The seal fishery, which is only carried on by a few people, principally about Ellis Bay, has been good. A much larger number of seals might have been taken had the people fitted out for it.

	1878.	1879.	Increase, 1879.
Seals	288	382	94

The most of the inhabitants of the Island are tolerably well off for the winter. In one cove, near the S.W. Point, the people are badly off, and I expect will, as usual, have to be maintained out of the depot supplies. The people who come to this Island to settle, from Newfoundland, are, generally speaking, a thriftless lot. They left Newfoundland in debt to the merchants there, and most of them dare not go back. If they cannot live on Anticosti without constant aid (and several times they have helped themselves) from the Government, I certainly think they should be removed. The Lighthouse-keepers who have charge of the supplies are in dread of them. They come of a bad stock and are experienced wreckers.

The following table will show the quantities of the various fish taken in this Division, with the values. Had I valued the various fish as highly as they were valued in 1878, the diminution in the total value of the fishing would not have been so great.

I also append a table of the catch at the various fishing coves, and one of the value of all boats, nets, &c, in use in the Division.

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

ISLAND OF ANTI

NAME OF PLACE.	Vessels.				Fishing Boats.		Flat Boats.		No. of Fishermen.	No. of Shoremen.	Salmon Nets.			Cod Seines.		
	No.	Tons.	Value.	No. of Sailors.	No.	Value.	No.	Value.			No.	Yards.	Value.	No.	Yards.	Value.
English Bay					48	1887	49	480	96	33						
Strawberry Cove					6	245	7	75	14	8						
Bessie River							1	15	1		1	35	15			
Otter River							1	15	2		1	45	22			
Jupiter River					1	50	1	18	1		2	90	47			
South-West Point.					5	230	5	75	10	3						
Manzerolle's Cove (not fished)																
McDonald's Cove					1	55	1	15	1		1	100	35			
Shallow Creek							1	10	1		1	124	30			
Dauphin River					1	20	1	12	1		1	150	50			
Box River							1	10	1		1	100	30			
Cormorant Point					2	175	3	30	2							
Fox Bay					1	35	1	10	2							
do					2	40	2	20	3							
do					1	25	1	10	1							
do					1	20	1	10	2	1						
do					1	25	1	10	1							
do					1	25	1	10	1							
do					1	15	1	10	1							
do					1	15	1	10	1	1						
do					1	20	1	10	2							
do					1	25	1	10	2							
do					1	80	1	10	2	1						
do					1	25	1	10	1							
do					1	40	1	10	2							
do					1	15	1	10	1							
do					1	40	4	10	2							
do					1	30	1	10	1							
do					1	10	1	10	1							
do					1	50	1	10	1							
Salmon River							2	20	1		1	200	60			
Manzerolle's River					2	80	2	20	4	2						
do					1	40	1	10	2	1						
do					3	120	3	30	6	3						
Tapp Cove					3	120	3	30	6	3						
do					2	80	2	20	4	1						
Cape Observation					2	80	2	20	4	1						
do					2	8	2	20	4	1						
Cow Point					4	96	2	20	8							
Potato River					2	80	2	20	4	1	1	80	25			
Caplin Bay					5	200	5	50	10	3						
do					4	160	3	30	8	2						
Cow Point					2	80	2	20	4	1						
do					2	40	1	10	2	1						
McDonald's Cove							1	10	1		1	90	35			
do					1	80	2	20	4	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						

RETURN OF FISHING STATIONS, kinds of Vessels, number of Men,

ISLAND OF ANTI

Name of Place.	Vessels.				Fishing Boats.		Flat Boats.		No. of Fishermen.	No. of Shoremen.	Salmon Nets.			Cod Seines.		
	No.	Tons.	Value.	No. of Sailors.	No.	Value.	No.	Value.			No.	Yards.	Value.	No.	Yards.	Value.
			\$			\$		\$					\$			
McDonald's Cove.....					3	120	1	10	6	1						
do					1	40	1	10	2	1						
do					2	80	2	20	4	1						
do					3	120	3	30	6	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
do					2	80	2	20	4	1						
do					2	80	2	20	4	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
do					1	40	1	10	2	1						
Deep Bay							1	10	1		1	100	20			
Fox Bay					2	80	1	10	4	1						
Cormorant Point.....					1	15	1	12	1							
Total					144	5466	152	1537	291	80	12	1114	367			

kinds of Nets used, kinds of Fish and Fish Oils, &c.—Continued.

COSTI DIVISION.—Continued.

Nets and Seines.

Herring Seines.			Herring Nets.			Mackerel Seines.			Mackerel Nets.			Capelin Seines.			Launce Seines.			Seal Nets.			Brush Fisheries	
No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Value.
		\$			\$			\$			\$			\$			\$			\$		\$
			5	250	75																	
			3	150	45																	
			3	150	45																	
			6	300	60							1	70	30								
			2	100	30																	
			2	100	30																	
			3	150	45																	
			3	150	45																	
			3	150	45																	
			2	100	30																	
			2	100	30																	
			3	150	45																	
			3	150	45																	
			2	100	30																	
			1	50	15																	
			251	12086	3248				7	350	160	23	1225	740				7	325	57		

RETURN showing the Kinds and Quantities of Fish in the

ANTICOSTI

Name of Station.	Salmon, Cured, brls.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer	Fall	Haddock, quintals.	Ling, quintals.	Halibut, brls.	Herrings, brls.	Smoked Herrings, boxes.	Mackerel, brls.
					Fishing.	Fishing.						
					Cod, quintals.	Cod, quintals.						
English Bay.....					3,000	250			50	50		30
Strawberry Cove.....					400	100			18	25		4
Ellis Bay.....												
Beccie River.....	4											
Otter River.....	9											
Jupiter River.....												
South West Point.....					165	42			6	19		2
Manzerolle River (not fished)...												
McDonald's Cove.....	4											
Shallop Creek.....	4 1/2											
Dauphiné River.....	6											
Bay River.....	3											
Cormorant Point.....					60	10			9	6		16
Fox Bay.....					80							
do.....					140	4				5		
do.....					82	3			1	12		
do.....					120	8			1	12		
do.....					47					6		
do.....					20							
do.....					60	8			1			
do.....					80	4						
do.....					70	4				11		
do.....					84	4				2		
do.....					100	12				8		
do.....					40	5				8		
do.....					60					8		
do.....					62	4			2	2		
do.....					98	5						
do.....					38					6		
do.....					90	10						
Salmon River.....	5											
Manzerolle.....					220	20			2	8		
do.....					90	10			2	8		
do.....					220	15			3	40		
Tapp Cove.....					150	60			2	35		
do.....					80	20				20		
Cape Observation.....					170	30			1	9		
do.....					140	30				2		
Cow Point.....					110	54				12		
Potato River.....					160	10			1	10		
Capelin Bay.....					260	70				60		1
do.....					150	30			1	12		
Fox Bay.....					20	6						
Cow Point.....					150	10				50		
do.....					75	5				21		
McDonald's Cove.....	4											4
do.....					160	20	2		2	80		2
do.....					80	10			3	40		2
do.....					80	10			4	40		2
do.....					80	10			2	40		

Province of Quebec, for the Year 1879.—Continued.

DIVISION.—Continued.

Trout, brls.	Sardines, brls.	Eels, brls.	Tunny, brls.	Cod Tongues and Sounds, brls.	Seals, Whales and Porpoises.				Oils.				Fish and Clams used as Bait and Manure.										
					No. of Seals.	No. of Seal-skins.	No. of Whales.	No. of Porpoises.	Seal Oil, galls.	Whale Oil, galls.	Porpoise Oil, galls.	Cod Oil, galls.	Herring, brls.	Capelin, brls.	Smelt, brls.	Cod Roes, brls.	Squid, brls.	Trout, brls.	Launce, brls.	Clams, brls.	Lobsters in lb. cans.	Fish used for Local Consumption.	
				8	60	60			130			2,200	450	500		20							50
				2	50	50			125			270	75	200									15
	1				95	95			211														10
	2				10	10			19														3
				1								100	100	130		1							3
					70	70			155														15
	1																						3
												30	5	10									3
											45	5	15										4
											60	5	20										3
											60	3	10										2
											75	5	20										3
											30	3	10										2
											15	1	2										1
											60	3	10										3
											75	5	20										4
											70	4	15										2
											75	5	15										3
											90	5	20										6
											30	3	10										2
											60	3	10										6
											60	4	12										2
											75	5	20										4
											25	3	10										2
											75	5	20										6
						97			250	190													4
											150	12	20										10
											75	24	5										8
											150	36	9										1
											90	30	35										3
											60	25	30										3
											90	4	40										3
											75	4	40										3
											75	12	40										4
											75	20	40										4
											180	10	40										4
											80	8	35										3
											15	4	10										2
											120	20	10										5
1											60	10	5										2
											30												1
											90	10	40										8
											45	10	30										4
											45	10	30										4
											45	10	30										4
											45	10	30										4

RETURN showing the Kinds and Quantities of Fish in the

ANTICOSTI

Name of Station.	Salmon, Cured, brls.	Salmon, Fresh, in ice, lbs.	Salmon, in cans, lbs.	Salmon, Smoked, boxes.	Summer Fishing.	Fall Fishing.	Haddock, quintals.	Ling, quintals.	Halibut, brls.	Herring, brls.	Smoked Herring, boxes.	Mackerel, brls.
					Cod, quintals.	Cod, quintals.						
McDonald's Cove.....					240	30			5	120		6
do					80	10			3	40		2
do					160	20			4	80		4
do					240	30			2	120		6
do					80	10			3	40		2
do					80	10			5	40		2
do					160				3	40		2
do					80	10			5	40		4
do					160	15			5	40		4
do					80	10			3	40		2
do					80	10			3	40		2
do					80	10			3	40		2
do					80	10			3	40		2
Deep Bay.....	2											
Fox Bay.....					160	15			1			1
Cormorant Point.....					36	6						8
Totals.....	41½				11,210	1,089	2	...	157	5,999	.....	112

RECAPITULATION.

TOTAL CATCH and Value of Anticosti Fisheries for the Year 1879.

Description.	Quantities.	Prices.		Value.	
		\$	cts.	\$	cts.
Cod, Summer.....	11,210 cwt.....	4	00	44,840	00
do Fall.....	1,089 do.....	4	00	4,356	00
Herring, Salt.....	11,004 barrels.....	5	00	55,020	00
Halibut.....	157 do.....	6	00	942	00
Mackerel.....	112 do.....	8	00	896	00
Salmon, Salt.....	41½ do.....	12	00	498	00
Trout do.....	17 do.....	8	00	136	00
Cod Tongues and Sounds.....	11 do.....	9	00	99	00
Seal Skins.....	382 do.....	1	00	382	00
do Oil.....	920 gallons.....	0	50	460	00
Cod do.....	6,141 do.....	0	50	3,070	50
Haddock.....	2 cwt.....	4	00	8	00
Bels.....	3 barrels.....	7	00	21	00
Fish and Clams used as bait and manure.....	3,139 do.....	1	00	3,139	00
Fish for local use.....	301 do.....	4	00	1,204	00
Total value of the products of the Fisheries in 1879.....				\$	115,071 50
do do 1878.....					129,178 50
Decrease.....				\$	14,107 00

In submitting the foregoing report of the fisheries in my division, I desire to bear testimony to the effective manner in which the fishery laws are carried out by the various local officers. The statistics which they are, at considerable pains, to collect, are, I believe, as nearly accurate as it is possible to get them, when we consider the extensive and isolated divisions that many of them represent. I hope that I may be in a position next season to visit all the fishery officers in the gulf division during the fishing season at their various posts. There are many old and unsettled disputes with regard to trespass and various other disagreements on the North Shore and Anticosti that require to be settled.

I will conclude this imperfect report by again urging on the Government the necessity of having a good vessel in the gulf for the service of the fisheries. She should be of from 150 to 200 tons, a steamer, fore and aft rigged, with a good spread of canvas. If she is intended to assist vessels in distress in the gulf, as she might, then she should have a good deal of steam power, and be capable of being worked up to a high figure. Should she be intended solely for the fishery service, less steam power would do, and her consumption of coal should be small; she should have a two-bladed screw, with very little pitch, capable of being feathered up and down behind the stern post, so as not to impede her when working under canvas alone. She should be fitted with a steam winch, patent windlass, and Martin anchor, with heavy ground tackle.

I trust that the coming season may see the North Shore, Anticosti and the Magdalen Islands, all connected by submarine cables to the mainland, in the interest not only of the fisheries, but of the navigation of the gulf generally. I arrived in the Straits of Belle Isle this fall about ten days after the stranding of the steamship *Irene*, of the Donaldson Line, near Red Bay. This vessel remained intact for nearly a week after she first took the ground, and had there been any means of securing aid this fine steamer, with her valuable cargo, could easily have been saved. The same might be said of many other ships that are lost in the gulf in much more frequented localities. I believe that the telegraph is destined to be an important aid to the successful prosecution of the fisheries. Bait is often scarce over one section of the coast, and the fishing consequently at a stand-still, when perhaps not many miles away it may be plentiful. I believe that this past season the house of Charles Robin & Co., Percé, when bait was scarce, telegraphed to Paspébiac and Caraquet and had bait sent to Percé by the side line steamer so as to enable them to carry on their fishery. The sea fishing, as managed at present, is very much a matter of chance. This might, to a very considerable degree, be changed, were a little knowledge brought to bear on the subject, and could the fishermen be made aware in time of the whereabouts of the fish and bait.

I think if the system now proposed by the Hon. Dr. Fortin (who is ever anxious to lend his ability and experience to anything that will benefit the fisherman), of having reports of the state of the fisheries and weather posted regularly at all the telegraph offices on the fishing coast, were once fairly established, a great improvement in the manner of conducting the fisheries would soon follow.

I have the honor to be, Sir,

Your obedient servant,

(Signed) W. WAKEHAM, M.D.,

*Fishery Officer in command of the
Fisheries Protection Service in the Gulf and Lower St. Lawrence.*

No. 4

Number of Men, together with the Yield, Value and Kinds of Fish, on the South Lévis to Cape Chatte, during the Year 1879.

KINDS OF FISH.

No. of Shad.	Herrings, barrels.	No. of Eels.	Sturgeon, barrels.	Sardines, barrels.	Bar and White Fish, doz.	No. of Bar Fish.	Small and Mixed Fish, brls.	Mackere!, barrels.	Trout, lbs.	Codfish, quintals.	Cod Oil, gallons.	No. of Porpoises & Skins.	Porpoise Oil, gallons.	Fish for Manure, barrels.
2,943		600	2		215									
5,720			16		233									
2,400		3,700	16		220									
2,600		10,400	100		260									
2,825		5,250	24		820		22							
		3,700	149		198	600								
		4,225	156		214		186							
		18,200												
		13,345					181							
		37,045					264							
		20,975	4			68	146							
90		17,655	9			110	267		3,000					
		5,000												
1,000	20	61,950	15				20					189	1,890	
1,500	10	7,050	16	60			25							
750	140	2,860	25	255			30							290
							20							
2,000	100	50	15	50			50							300
1,510	455	4,280	42	550			50							350
		4,805												
430	1,325	2,320	4	84			30							325
1,105	950	740		509			120							1,310
3,300	1,150			54			101							1,600
80	95		11	13			75							
	32													
6,700	397	25	2	112			21							110
600														
300														
4,500	150			35			4							90
150	80			25			3							50
400	210			50			4							105
	34			8			2							2

RETURN OF FISHING STATIONS, Number and Value of Fishing Boats and Nets,
Shore of the River St. Lawrence from Point Lévis

Names of Places.	Fishing Boats.		No. of Fishermen.	KINDS OF NETS USED.								No. of Salmon.		
	No.	Value.		Salmon and Herring Nets.			Brush Fisheries with Nets.		Brush Fisheries.		Eel Fisheries.			
				No.	Yards.	Value.	No.	Value.	No.	Value.	No.		Value.	
Cap Enragé.....	1	5	2	1	150	60								180
Islet Brûlé.....	1	4	4						2	40				15
Islet au Massacre.....			1						1	20				20
Rivière Hâtée.....	7	34	17						5	288				153
Anse au Sable.....	8	45	22						9	309				33
Islet à Cannel.....			2						1	100				55
Rivière du Bic.....			1											28
Isle St. Barnabé.....			3						3	60				170
Rimouski.....			10	1	40	45			9	130				365
Ste. Luce.....			17	1	75	50			7	253				606
Pointe aux Senelles.....			2						2	40				80
Metis.....			6						6	70				109
Pointe Petit Metis.....			2						2	40				63
Boules.....			1	1	40	40								125
Rivière Blanche.....			10						10	170				37
Matane.....			19	1	26	20			17	340				35
Ste. Félicité.....			19						18	313				
Méchins.....			7	4	186	70			3	43				463
Capucins.....	2	40	5						3	60				
Fly Fishing:— Matane.....														22
Total.....	121	1,708	710	34	3,597	909	31	10,208	222	9,712	293	15,195	6,659	

Number of Men, together with the Yield, Value and Kinds of Fish, on the South to Cape Chatte, during the Year 1879.—Continued.

KINDS OF FISH.

No. of Shad.	Herrings, barrels.	No. of Eels.	Sturgeon, barrels.	Sardines, barrels.	Bar and White Fish, doz.	No. of Bar Fish.	Small and Mixed Fish, bris.	Mackerel, barrels.	Trout, lbs.	Codfish, quintals.	Cod Oil, gallons.	No. of Porpoise & Skins.	Porpoise Oil, gallons.	Fish for Manure, bris.
1,200	6			2			2							
	27			16			4							10
	12			10			3							10
400	1,025			120			7							35
	276			35										45
	100			125			4	1						
3,500	1,725			270										
	25	1,600		38			190							
900	1,755			605										
	400			200										
	235			95										
	200			100										
	45			26			23	46						
	2			12			36	190		120	130			
	15			13			43	133						
							3							
							9	2		250	40			
46,003	11,005	225,775	606	3,472	2,170	778	1,925	572	3,000	370	170	189	1,890	4,632

RECAPITULATION,

YIELD and Value of the different Fisheries from Point Lévis to Cape Chatte in 1879.

Kinds of Fish.	Quantities.	Prices.		Value.	
		\$	cts.	\$	cts.
Codfish.....	370 cwt.....	5	00	1,850	00
Shad.....	46,003 pieces.....	0	10	4,600	30
Herring.....	11,005 barrels.....	4	00	44,020	00
Salmon.....	6,659 pieces.....	1	00	6,659	00
Sturgeon.....	606 barrels.....	5	00	3,030	00
Bar and Whitefish.....	2,170 dozen.....	2	00	4,340	00
Bar Fish.....	778 pieces.....	0	50	389	00
Sardines.....	3,472 barrels.....	3	00	10,416	00
Eels.....	225,775 pieces.....	0	10	22,577	50
Small and Mixed Fish.....	1,925 barrels.....	4	00	2,406	25
Mackerel.....	372 do.....	10	00	3,720	00
Trout.....	3,000 lbs.....	0	05	151	00
Porpoise Skins.....	189 pieces.....	4	00	756	00
Porpoise Oil.....	1,890 gallons.....	0	50	945	00
Cod Oil.....	170 do.....	0	50	85	00
Fish used as manure.....	4,632 barrels.....	0	25	1,158	00
Total Value of the Products of the Fisheries in 1879.....				107,102	05
do do do 1878.....				126,760	80
Decrease.....				19,568	75

APPENDIX No. 5.

RETURN of Number and Value of Fishing Boats and Nets, Number of Men, together with the Yield, Value and Kinds of Fish, &c., in the Districts on the north side of the River St. Lawrence, from Quebec to Bersimis, during the Year 1879.

NAVES OF PLACES.	Fishing Boats.		Number of Fishermen.	KINDS OF NETS USED.						KINDS OF FISH.																							
	No.	Value.		Salmon Nets.		Brush Fisheries with Nets.		Brush Fisheries.		Eel Fisheries.	No. of Salmon.	No. of Shad.	Herrings, bits.	No. of Eels.	Sturgeon, bits.	Sardines, bits.	Bar & White Fish, doz.	Mixed Fish, bits.	Speckled, Grey & Sea Trout, lbs.	No. of Winnonish.	No. of Seals and Skins.	No. of Porpoises and Skins.	Seal Oil, galls.	Porpoise Oil, galls.	Fish for Manure, brls.								
				Yards.	Value.	No.	Value.	No.	Value.																	No.	Value.						
<i>Island of Orleans.</i>																																	
St. Laurent	2	\$ 400	220							110	500																						
St. Jean	1	\$ 220	120						40																								
St. François (south side of the Island)	11								12	112																							
<i>Argentenay (south side of the Island)</i>																																	
St. François (north side of the Island)	9								8	139	10																						
St. Famille (north side of the Island)	13								13	227																							
<i>North Coast.</i>																																	
Chateau Richer	4								4	77																							
St. Anne	6								6	70																							
St. Joachim (Parish)	13								13	157																							
St. Joachim (Farm)	9								9	171																							
St. Joachim (Cape Tourmente)	5								6	485																							
Baie St. Paul	27		20						2	80	24	860	18																				
Isle aux Condres	71								12	180	59	4130																					
Les Eboulements	91								37	555	57	880																					

RECAPITULATION.

YIELD and Value of the different Fisheries from Quebec to Bersimis in 1878.

Kinds of Fish.	Quantities	Price.		Value.
		\$	cts.	\$ cts.
Salmon.....	Pieces 2,162	1	00	2,062 00
Herrings.....	Barrels 53	4	00	212 00
Shad.....	Pieces 500	0	10	50 00
Sardines.....	Barrels 39	3	00	117 00
Winnonish.....	Pieces 10,565	0	25	2,641 25
Trout, Sea, Speckled and Grey.....	Lbs. 407,550	0	05	20,377 50
Sturgeon.....	Barrels 38	5	00	190 00
Bar and Whitefish.....	Dozen 4,720	2	00	9,440 00
Eel.....	Pieces 41,914	0	10	4,191 40
Small and mixed Fish.....	Barrels 946	1	25	1,182 00
Seal skins.....	Pieces 703	1	00	703 00
Porpoise.....	do 66	4	00	264 00
Seal Oil.....	Galls. 7,030	0	50	3,515 00
Porpoise Oil.....	do 3,727	0	50	1,863 50
Fish used as manure.....	Barrels 1,763	0	25	440 75
Total Value of the products of the Fisheries in 1879.....				47,249 40
do do do 1878.....				.....
Increase.....				.....

APPENDIX No. 6.

RETURN of Number and Value of Fishing Boats and Nets, Number of Men, together with the Yield, Value and Kinds of Fish, &c., within the District above Quebec, during the year 1879.

Names of Places.	Fishing Boats.		No. of Fishermen.		KINDS OF NETS USED.						KINDS OF FISH.															
	No.	Value.	No.	Value.	Gill Nets.		Seines.		Pound Fish-eries.		No. of Salmon.	No. of Shad.	Fresh-water Her-rings, barrels.	No. of Eels.	Sturgeon, barrels.	Speckled and Grey Trout, lbs.	Bar and Whitefish, doz.	Tom Cod, bushels.	No. of Maskinonge.	Baas, barrels.	Pickereil, barrels.	Pike, barrels.	Mixed Fish, brls.	Fish for Manure, barrels.		
					Yards.	Value.	No.	Value.	No.	Value.															No.	Value.
Three Rivers Division.....	210	6600	210	.....	.....	.....	.....	.....	.....	.....	850	.....	45000	.....	.....	2209	22000	.....	.....	.....	.....	.....	.....	450	.....
St. Francis do.....	550	1700	570	143	2500	90	125	1600	.....	.....	17	170	12	720	.....	.....	.....	10	32	40	50	.....	.....	302	.....
Sorel do.....	.....	.....	3	1	35	12	.....	.....	.....	.....	2440	.....	9030	67	.....	50	.....	60	70	136	6	.....	.....	165	12
Magog do.....	10	61	26	.....	.....	.....	9	117	1,200	.....	.....	.....	38144	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	34	.....
Missisquoi do.....	38	610	48	.....	.....	.....	.....	.....	2,220	.....	4009	.....	11000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	288	.....
Richelieu do.....	69	552	138	10	350	30	69	1449	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1400	.....
Montreal do.....	8	20
Terrebonne do.....
Chateauguy and Beau-harnois Division.....	41	328	63	.....	.....	.....	18	450	.....	.....	383	.....	10000	109	.....	.....	.....	.....	.....	.....	.....	.....	.....	1015	.....
Argenteuil do.....	15	40	40	20
Lower Ottawa Division...	38	264	38	250	2500	400	5	90	.....	.....	1200	12	1250	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	500	.....
Upper Ottawa do.....	75	200	106	300	10000	3000	.....	.....	.....	.....	.....	.....	4000	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	10300	.....
Gatineau Lakes Division (hook and line fishing).....	220	500
Total.....	1047	10255	1470	704	15385	3532	226	3706	1	200	26	2470	12	8882	35	126144	376	174800	4438	22000	1124	1085	668	863	14994	12

RECAPITULATION.

YIELD and Value of the different Fisheries in the Districts above Quebec in '1879.

Kinds of Fish.	Quantities.	Prices.	Value.
Salmon.....	12 pieces.....	1 00	12 00
Shad.....	8,882 do	0 10	888 20
Fresh-water Herrings.....	35 barrels.....	3 00	105 00
Eels.....	126,144 pieces.....	0 10	12,614 40
Sturgeon.....	376 barrels	5 00	1,880 00
Bar and White Fish.....	4,438 dozen.....	2 00	8,876 00
Tom Cod	22,000 bushels.....	0 50	11,000 00
Speckled, Grey and Sea Trout.....	174,800 lbs.....	0 05	8,740 00
Maskinongé.....	1,124 pieces.....	1 00	1,124 00
Bass	1,089 barrels.....	8 00	8,680 00
Pickarel.....	668 do	8 00	5,344 00
Pike.....	868 do	8 00	6,942 00
Mixed Fish.....	14,994 do	4 00	59,976 00
Fish used as Manure.....	12 do	0 25	3 00
Total Value of the products of the Fisheries, 1879.....			126,186 60
do do do 1878.....			178,866 20
Decrease.....			52,679 60

APPENDIX No. 7.

GENERAL RECAPITULATION

OF the Yield and Value of the Fisheries on the North and South Shores of the River and Gulf of St. Lawrence, from Quebec to Blanc Sablon, and from Point Lévis to Baie des Chaleurs, and in the Districts above Quebec, during the years 1878 and 1879.

Kinds of Fish.	Quantities.		Value.	
	1878.	1879.	1878.	1879.
			\$ cts.	\$ cts.
Codfish..... Quintals	292,939	391,865	1,464,680 00	1,567,830 00
Herring, pickled..... Brls.	53,983	65,388	269,915 00	315,882 00
do smoked..... Boxes	22	1,009	5 50	252 25
do fresh-water..... Brls.	11	35	55 00	105 00
Mackerel, pickled..... do	8,659	7,552½	66,590 00	60,420 00
do do..... do		372		3,720 00
do preserved in cans..... Lbs.	5,136		770 00	
Haddock..... Quintals	666	513	3,330 00	2,052 00
Ling..... do	25	187½	125 00	750 00
Hallibut..... Brls.	286	279	1,716 00	1,674 00
Salmon, pickled..... do	2,729	1,002	32,748 00	12,024 00
do fresh in ice..... Lbs.	489,786	684,651	24,489 30	34,232 55
do do..... Pieces	12,024	8,733	12,024 00	8,733 00
do preserved in cans..... Lbs.	139,574	17,605	20,936 10	2,640 75
do smoked..... Boxes		1,200		120 00
Winnonish..... Pieces	4,045	10,565	1,011 25	2,641 25
Trout, (Sea)..... Brls.	134	147	1,072 00	1,176 00
do (Speckled and Grey)..... Lbs.	509,740	585,350	40,779 20	29,267 50
Sturgeon..... Brls.	523	1,020	4,184 00	5,100 00
Bar and Whitefish..... Doz.	9,017	11,328	18,034 00	22,656 00
Bar Fish..... Pieces	1,660	778	780 00	389 00
Shad..... do	27,033	55,385	2,703 30	5,538 50
Sardines..... Brls.	4,905	3,511	24,525 00	10,533 00
do do..... do		30		78 00
Eels..... do	17	15	170 00	105 00
do do..... Pieces	372,376	393,833	37,237 00	39,383 00
Bass..... Brls.	1,614	1,085	16,140 00	8,680 00
Pike..... do	2,272	868	22,720 00	6,944 00
Pickrel..... do	1,148	668	11,480 00	5,344 00
Tom Cod..... Bush.	25,000	22,000	12,500 00	11,000 00
Small and Mixed Fish..... Brls.	3,752	2,871	1,876 00	3,598 25
Mixed Fish..... do	16,810	14,994	84,050 00	57,976 00
Maskinonge..... Pieces	880	1,124	1,760 00	1,124 00
Seal Skins..... do	28,007	29,500	35,008 85	29,500 00
Porpoise Skins..... do	193	255	412 00	1,020 00
Lobsters, preserved in cans..... Lbs.	780,120	775,289	117,018 00	116,293 35
Fish and Clams used as bait and manure..... Brls.	102,145	148,753	93,827 50	148,753 00
Fish used as manure..... do		6,407		1,601 75
Fish used for local consumption..... Brls.	10,921	20,356	43,684 00	81,424 00
Cod Tongues and Sounds..... do	242	142½	2,178 00	1,282 50
Seal Oil..... Galls.	127,848	118,332	63,924 00	59,166 00
Whale Oil..... do	5,600	8,015	2,800 00	4,007 50
Porpoise Oil..... do	10,104	5,617	8,083 20	2,808 50
Cod Oil..... do	212,160	301,159	106,080 00	150,579 50
Total.....			2,671,422 10	2,820,395 45
				2,671,422 10
Increase.....				148,973 35

APPENDIX No. 8.

SYNOPSIS OF FISHERY OVERSEERS' AND GUARDIANS' REPORTS IN THE PROVINCE OF QUEBEC, FOR THE YEAR 1879.

SOUTH SHORE DIVISION FROM POINT LÉVIS TO CAPE CHATTE.

Overseers. { CLOVIS CARON :—*Pointe Lévis to River Ouelle.*
 JULES GAUVREAU :—*River Ouelle to Isle Verte.*
 HERMENEGILDE MARTIN :—*Isle Verte to Rimouski.*
 L. E. GRONDIN :—*Rimouski to Biver Blanche.*
 VITAL CHAREST :—*River Blanche to Cape Chatte.*

The following comparative table exhibits the yield of the Fisheries in this Division :—

	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Salmon (pieces)	9,574	4,432	3,374	4,726	3,342	4,171	5,436	5,935	8,705	6,659
Shad do	16,249	25,035	18,410	18,094	20,563	85,822	117,927	33,936	12,361	46,003
Herrings (brls)	6,671	2,169	7,174	12,545	12,903	6,311	8,474	10,995	8,816	11,005
Sturgeon do	219	242	130	298	523	263	362	323	218	606
Sardines do	6,688	1,443	1,658	868	900	930	1,642	7,410	4,681	3,472
Cod (quintals)	4,900	2,200	300	3,200	2,500	4,000	2,220	2,690	2,690	370
Eels (pieces)	109,125	109,204	73,353	96,734	121,442	125,550	144,726	153,143	215,502	225,775
Porpoises	208	115	6					11		189
Bar-fish (doz.)								2,361	3,511	2,170
do (pieces)								2,642	1,560	778
Small and mixed fish (brls)									3,041	1,925
Porpoise oil (gal)										1,890
Cod do									290	170
Total Value..\$	168,830	48,251	51,087	78,218	110,899	82,918	96,704	124,328	116,806	102,064

Overseer Caron reports the fishery laws as having been well observed by fishermen in his division. He states that the catch was about equal to that of 1878 ; some kinds of fish having yielded more and some less than in that year.

The following is a comparative statement of the yield of salmon in this division for the past six years :—

In 1874,	527 salmon,	weighing	8,959 lbs. ;	average weight	17 lbs.
1875,	335	do	4,020 do	do	12 do
1876,	700	do	7,000 do	do	10 do
1877,	871	do	8,710 do	do	10 do
1878,	1,830	do	21,960 do	do	12 do
1879,	1,090	do	13,090 do	do	12 do

This shows a falling off of 730 fish, as compared with the yield of 1878; it must be, however, borne in mind that 1878 was an exceptional year for salmon fishing, and that, although smaller than that of 1878, the catch of 1879 shows an increase over other years. This falling off is attributed to westerly winds which incessantly prevailed during the summer. Shad, which had been scarce for several years past, returned in great abundance, and 15,678 fish were caught as against 4,590 in 1878.

Comparative statement of the yield of shad for the last four years :—

	Shad.
In 1876.....	50,571
1877.....	10,000
1878.....	4,590
1879.....	15,678

A large increase is also noticed in the catch of eels, as can be noticed by looking at the following comparative table :—

	Eels.
In 1874.....	58,641
1875.....	62,133
1876.....	64,436
1877.....	93,471
1878.....	103,826
1879.....	130,855

Sturgeon fishing was also on the increase, having yielded 566 barrels against 206 in 1878. Bar fishing about the same as last year.

Mr. Gauvreau reports fishing in his division as good as that of 1878; some kinds of fish, such as salmon, showing a small increase, which this Overseer attributes to the beneficial effect of the fishery laws, and to their faithful observance.

Mr. Martin reports a large falling off in his division, which he partly attributes to the stormy weather that prevailed during the greatest part of the fishing season.

Mr. Charest reports a falling off in the yield of small fish. This he attributes to the large numbers of porpoises which now frequent the locality.

CAPE CHATTE DIVISION.

JOSEPH I. LÉTOURNEAU, *Overseer.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

Kinds of Fish.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish Quint's.	7,635	8,666	6,354	5,625	4,160	3,860	6,840	7,090	6,922	6,145
Halibut Brls.	12	7	11		3	2	7		3	
Salmon do	25	20	8	26	23½	12	5		13	2
do (fish in ice) Lbs.								1,407	1,248	2,135
Herring Brls.	25	34	37	27	45	2	376	51	90	94
Mackerel do								34	47	72
Trout do	8	13	10	9	3½	24	48½	54½	11	11
Sardines do							6	60		30
Seal Oil Gallons.	146	122	787	440				20		
Porpoise Oil do								60		
Cod Oil do	3,965	5,280	2,353	1,078	1,604	1,995	3,040	2,955	2,840	2,650
Fish used as bait and manure Brls.		300	1,300	260	1,500	3,000	12,266	12,770	187	5,262
Fish used for local consumption do								458	479	990

Cod fishing was not so good as last year; fish were abundant, but they struck when the settlers were engaged tilling their farms, which accounts for the falling off in the catch.

The number of salmon caught with the fly in Ste. Anne des Monts River since 1871 is as follows:—

Year.	No. of Salmon.	Average weight.
1871.....	8 .....	...
1872.....	13 .....	...
1873.....	87	17½
1874.....	140	19½
1875.....	69	21
1876.....	116	19½
1877.....	76	18½
1878.....	67	20½
1879.....	98	20½

Only two barrels of salmon were caught in the river; the nets being carried away by freshets early in the season. No poaching was reported. Some parties suspected of having gone up with the intention of spearing were brought back by the Overseer.

Three parties were caught spearing in Cape Chatte River, and will be prosecuted next season.

Mackerel fishing was about the same as last year. Sardines, capelin, and other small fish were abundant.

MAGDALEN RIVER DIVISION.

MAGLOIRE LAURENDEAU, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

Kinds of Fish.		1876.	1877.	1878.	1879.
Codfish.....	Quintals	19,887	20,151	23,453	32,035
Halibut.....	Barrels	.....	.....	41	49
Herring.....	do	28	76	601	746
Mackerel.....	do	.....	28	254	96
Trout.....	do	4	6	4	1
Salmon (pickled).....	do	70	52	60	48
do (fresh, in ice).....	lbs.	.....	1,000	268	.....
Cod Oil.....	Gallons	19,887	18,534	14,670	25,370
Fish used as bait and manure.....	Barrels	.....	6,310	3,692	5,356
do for local consumption.....	do	.....	788	1,664	1,776

Salmon fishing in this division was not very remunerative, owing, it is alleged, to the prevalence of east winds in June and July. Fly-fishing was, however, satisfactory; sixty-nine salmon, weighing 1,035 lbs., having been killed in Magdalen River. The other fisheries of this division are treated at length in Dr. Wakeham's report.

GASPÉ, MALBAIE AND PABOS DIVISION.

PHILIP VIBERT, Jun., *Overseer.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

Kinds of Fish.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish	quintals. 53,011	46,623	61,691	60,993	73,537	59,331	72,346
Herring	barrels. 2,529	1,527	552	1,239	429	802	1,241
do (smoked)	boxes.....					15	5
Mackerel	barrels. 563	170		2	131	970	552
Salmon (pickled)	do ... 361	90	49	96	99	3	7
do (fresh, in ice)	lbs.	118,304	76,717	72,554	99,482	200,430	97,563
do (preserved, in cans)	do				10,000	23,200	16,165
Haddock	quintals				186	223	386
Ling	do				62	22	85
Halibut	barrels.....				1	2	18
Cod Tongues and Sounds	do				179	202	120
Number of Seal Skins.....					3	2	
Seal Oil	gallons.. 11,692				40	2	
Whale Oil.....	do ... 16,300	20,300	9,363	8,614	5,120	8,015	
Cod Oil	do ... 36,960	29,398	41,034	39,987	59,714	27,678	37,073
Fish used as bait and manure..	barrels.....				15,125	9,662	15,410
do for local consumption..	do				150	284	2,690
Lobsters (preserved, in cans)..	lbs.....				73,000	240,960	315,184

Salmon fishing began early, the first nets being set on the 13th May. Although the catch shows a falling off as compared with that of 1878, which was an exceptional year, 115,500 lbs. of salmon were caught and for the most part disposed of fresh or preserved in tins.

Summer cod fishing shows an improvement over last year's, the average catch being from 60 to 70 quintals. The fall fishing was a failure. The total yield, however, shows an increase of 19,046 quintals over that of the previous year. The best fishing was done at Newport and Grand River, where capelin is generally abundant, thus supplying good and unfailling bait.

Very few mackerel were caught, although abundant enough in Gaspé Bay. It appears the fish would not bite, being besides of very small size.

Only one vessel from Gaspé engaged in whale fishing, thirteen whales being killed, yielding 8,015 gallons of oil.

Lobster packers and others seem, so far anyhow as this division is concerned, to realize the opportunity and wisdom of the measures taken to prevent the utter destruction of this fishery. The close season was well observed, no infractions being reported. There were 315,184 lbs. of lobsters canned during the season; an increase of 74,24 lbs. over the catch of 1878.

Salmon angling was reported to have been very good in York River; anglers having killed, in less than a month's time, 100 salmon, weighing 2,402 lbs. The river is reported to be well stocked with breeding fish. Only 54 fish were killed in the St. Johns River, but I think that, had the anglers been a little later they might have done better, as this is a late river. In Dartmouth River 11 salmon, weighing 190 lbs., were killed with the fly. The lessee arrived altogether too late; had he been on the spot early in June he would have had much better sport. Two men were sent up this river in September, and they counted over 250 salmon in the pools. The lessee of Grand River had excellent sport, and killed 89 fish with the fly. The Guardian saw no less than 300 fish in the breeding pools during the month of November. In the pools of Little Pabos, 62 salmon were counted last autumn, and in those of Grand Pabos 275. Malbaie River appears to be steadily increasing, at least 100 salmon having spawned in that stream last season.

Two parties were fined for illegally fishing for trout in the estuary of St. John River.

PORT DANIEL DIVISION.

JOHN PHELAN, *Overseer.*

COMPARATIVE STATEMENT of the yield of the Fisheries in this Division.

	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish.....qtls	8,145	6,967	6,175	8,970	7,590	6,175	4,465	5,245	7,046	5,555	7,730	8,145
Salmon.....brls..	57	79	120	108	110	148	110	88	68	7	24	16
do (presvd.) lbs										41,801	54,758	46,109
Herring.....brls..	515	370	695	1,231	830	280	710	1,020	1,755	1,090	1,090	1,165
Mackerel.....brls..										4	21	65
Cod Oil.....galls										5,120	7,360	7,500
Fish used as bait and manure.....brls..										7,475	4,250	2,780
Fish used for local con- sumption. brls..										1,030	930	1,850
Lobsters (pre- served in cans).....lbs..										63,365	100,000	60,000

Cod fishing was better than for many years past; bait being plentiful. Salmon fishing not quite so good as last year, but better than in 1877. Lobster fishing was a comparative failure. This fishery needs all the care and protection which can possibly be given to it.

CASCAPEDIA AND MARIA DIVISIONS.

R. W. H. DIMOCK, *Overseer.*

COMPARATIVE STATEMENT of the yield of the Fisheries in this Division.

	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish.....qtls	5,580	5,275	6,740	4,486	4,111	4,161	4,111	5,469
Herrings.....brls..	8,590	2,250	2,080	1,800	4,160	1,110	4,790	5,065
do (smoked.....boxes.						700		1,000
Mackerel.....brls..	104	27	20	15		24	164	58
Haddock.....qtls.	133	83	122	76	66	62	41	125
Salmon (pickled).....brls..						255	42	
do (fresh, in ice).....lbs.....	96,800	116,955	95,824	24,386	51,225	7,500	160,230	153,158
do (preserved in cans).....lbs.....						48,804	62,616	1,440
Ling.....qtls						37	5	103
Trout.....brls..	3	5	15	17	17	35	36	57
Eels.....do						21	17	12
Cod Tongues & Sounds. do						12		
Cod Oil.....galls.						3,051	3,413	4,370
Fish used as bait and manure.....brls..						9,343	6,938	3,331
Fish used for local con- sumption. do						1,716	2,739	3,625
Lobsters.....lbs.....			4,176	5,844	5,016	35,200	49,112	37,464

Salmon appeared at about the same time as last year. The first nets were set on 14th May, and the first salmon caught on the 17th of the same month. The figures given above show a falling off in the catch. Fly-fishing was, on the other hand, quite successful. In Grand Cascapedia River, especially, the number of salmon killed with the rod was more than double that of the previous year. The lessees were also very generous, distributing every day the whole of their catch amongst settlers and the resident population.

The following is the score of angling during the last nine years :—

GRAND CASCAPEDIA RIVER.

	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Number of salmon.....	44	136	68	418	269	369	313	305	647
Weight in lbs.....	1,012	3,100	1,434	9,402	6,682	8,998	7,085	3,173	16,288
Average weight in lbs	23	22½	21½	23½	21½	24½	22½	16	27

LITTLE CASCAPEDIA RIVER.

Number of salmon.....	} Not angled... {	1	3	4	14	4	6	21
Weight, in lbs.....		194	57	120	210	84	200	373
Average weight in lbs		17½	17½	22	15	21	28½	17½

BONAVENTURE RIVER.

Number of salmon.....	60	30	22	15	26	45	21	40	58
Weight in lbs.....	770	487	366	225	290	622	331½	664	820
Average weight in lbs	13	16	16½	15	11½	14	16	16½	14½

METAPEDIA AND RESTIGOUCHE RIVERS.

JOHN MOWAT, *Overseer.*

Settlers were not very successful in their salmon fishing last season. Three or four had fair returns, but the others did nothing. This, the Overseer attributes to the fact that the fish on their way up the estuary encounter so many nets and get so shy of them, that when they get into clear water they will not mesh in nets parallel to the current. In order to enable the settlers to catch salmon, it might be necessary to allow them to drive stakes and set with pounds and hooks. Mr. Mowat, however, doubts whether this would answer the purpose, as the action of the current against the stakes might frighten the fish and deter them from entering the nets. The first fish to appear last spring were smelts. They came on the 4th of May, and settlers availed themselves of the permission to catch them for their own domestic use. They were very abundant.

Salmon arrived on the 28th May and continued without interruption during the whole season, although not in large schools. The fishing was good. The number of salmon killed with the fly in the several rivers of this division, as far as could be ascertained, was as follows :—

Metapedia River	200	salmon.
Upsalquitch River.....	21	"
Restigouche River, Lower Division	154	"
" Middle " 	450	"
" Upper " 	256	"
Total	1,081	"

According to the reports of guardians parent fish were abundant, especially in the upper parts of the rivers, owing to the height of waters during the season, which allowed the fish to go up without impediment.

QUEBEC AND MONTMORENCY DIVISIONS.

L. P. HUOT, *Overseer.*

The following is a comparative statement of the Fisheries in this Division:—

	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
No. of Salmon	96	91	82	150	114	60	52	135	100	150
do Shad	1,057	1,100	1,550	1,600	2,250	1,850	2,450	1,500	1,000	500
do Eels.....	19,059	14,728	51,932	9,202	11,856	5,317	8,628	14,676	24,042	17,203
do Sturgeon.....	1,314	1,882	1,901	88	32½	12	18	14	12	34
do doz. Bar and Whitefish....	1,902	2,126	2,074	447	712	294	338	192	591	797
do brls. Small Fish.....	271	759	412	66	92	40	51	.....	92	125

With the exception of bar-fish, the yield of the fisheries in this division shows a falling off. During the season one party was fined for fishing without a license, and sixty-four night lines were confiscated in Lakes Beauport, St. Charles, Jacques Cartier and Larron.

MURRAY BAY DIVISION.

ULYSSE BHÉREUR, *Overseer.*

ANT. FILION,
 JOS. SIMARD, } *Guardians.*
 ETIENNE TREMBLAY, }

It was found necessary, for the greater efficiency of the service, to dispense with the services of Mr. J. E. Demoules, the former Overseer, and to replace him by Mr. Bhéreur. This officer reports fishing as good, and states that he kept a strict watch, but discovered no illegal fishing during the season.

LAKE ST. JOHN DIVISION.

JOB BILODEAU,
 CHARLES POTVIN, } *Guardians.*
 R. MALTAIS, }

Comparative statement of the yield of Fisheries in this Division:—

	1874.	1875.	1876.	1877.	1878.	1879.
No. of Winnonish.....	7,500	9,050	3,000	3,050	4,045	6,715
do doz. of Whitefish	1,162	440	350	286	390	3,503

The above statement shows that fishing was good in this division during the past season. At Roberval, especially, the yield of winnonish and whitefish doubled that of 1878. This increase the guardians attributed to the fact that the population is beginning to understand the necessity of protecting the fisheries, and cheerfully submit to the fishery laws. Only four parties were detected fishing illegally during the close season; they were fined and their fishing apparatus confiscated.

SAGUENAY DIVISION.

JOSEPH RADFORD, *Overseer.*

JOSEPH BOILY,	} <i>Guardians.</i>
JACQUES GIRARD,	

Yield of salmon net-fishing for the past nine years :—

	Salmon.
1870.....	3,275
1871.....	3,462
1872.....	3,312
1873.....	2,481
1874.....	2,482
1875.....	981
1876.....	2,830
1877.....	2,362
1878.....	2,746
1879.....	1,849

The following is the score of angling in the Saguenay Rivers for the past eight years :—

—	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
River St. Marguerite, N.W. Branch.....	112	125	133	77	25	159	N. ret'rns	51
River St. Marguerite, N.E. Branch.....	53	50	150	55	49	46	63	34
River à Mars.....	3	28	75	28	57	51	28	3
do Anse St. Jean...	13	39	71	31	25	8	3	9
do Petit Saguenay...	11	N. ret'rns	83	39	14	N. ret'rns	7	16
do Laval.....	N. angl'd	do	N. angl'd	N. angl'd	6	N. angl'd	N. angl'd	N. angl'd
do du Gouffre.....	do	do	do	do	.....	do	7	5
do Murray.....	do	do	do	do	.....	do	8	3

The following appears under the head of this division in last year's report :

"During the course of the season, it was found necessary to dispense with the services of the former Overseer, Mr. Saillant, for inattention to his duties. He was replaced by Mr. Saucier, who does not appear to have done anything. This Department is indebted to Mr. Radford, who has charge of the Tadoussac fish-breeding establishment, for the usual statistics of the yield and value of the fisheries."

Mr. Saucier's services having since been dispensed with, Mr. Radford took charge of the whole division.

GODBOUT DIVISION.

GEORGE L. DUGUAY, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1876.	1877.	1878.	1879.
Codfish quintals		305	219	38
Herring barrels		4	4	20
Mackerel do			7	10
Salmon (pickled) do	10	1	27	42
do (fresh, in ice) lbs.		5,754		258
Trout barrels		5½	9	18
Number of Seal Skins.....	190	200	159	405
Seal Oil gallons	705	1,000	2,005	2,060
Cod Oil do		100	87	9
Porpoise Oil do			100	
Fish used as bait and manure..... barrels		115	33	3
do for local consumption..... do		27	26	27

The following is the number of salmon caught with the fly in Godbout River for the past nine years :—

	Salmon.
1870	390
1871.....	509
1872.....	275
1873.....	130
1874.....	273
1875.....	210
1876.....	213
1877.....	411
1878.....	239
1879.....	223

PENTECOST AND SEVEN ISLANDS DIVISIONS.

J. O. BELANGER, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish qntls.	960	1,865	2,150	1,939	300	612	3,307	3,082	1,627
Herring brls..	150			96	10	791	277	46	2
Mackerel do	64	200	3	10				3,528	88
Salmon (pickled) do	44	80	26	31	20	95		112	84
do (fresh, in ice)..... lbs...							4,037		
Trout brls..						18½	61½	23	4
Number of Seal Skins.....						44	114	258	234
Cod Oil galls.	430	1,346	880	545	297	678	1,342	1,995	1,516
Seal Oil do			300		570	264	767	1,548	1,404
Fish used for bait and manure..... brls..							2,404	611	208
do local consumption... do							111	143	141

MOISIE DIVISION.

G. MATHURIN, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

—	1869.	1870	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish	1,830	5,131	5,151	4,030	2,250	3,783	2,414	4,064	6,958	3,192	4,753
Salmon (pickled) brls.	822	1,104	704	855	146	12	29	47	31	41	30
do (fresh, in ice) lbs.					204,000	60,200	102,400	105,335	135,711	319,000	267,109
do (smoked) boxes											1,200
Cod Oil	1,563	2,720	1,985	3,580	1,949	1,700	1,500	3,836	3,892	2,620	2,500
Halibut									42	26	16
Herring									395	315	608
Mackerel										214	54
Trout									26½	5	3
Cod Tongues and Sounds... do									1		6
No. of Seal Skins									20	60	40
Seal Oil									47	335	164
Fish used as bait and manure... brls.									1,464	1,457	604
Fish used for local consumption..... do									94	100	105

Moisie River was not angled during the past season.

MINGAN DIVISION.

DONALD B. MCGIE, *Overseer*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

—	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish	22,785	50,317	40,361	30,000	16,790	17,283	23,160	28,339	32,003	43,820
Herring	3,057	3,431	4,600	4,519	5,710	6,240	1,463	3,992	892	265
Salmon (pickled).... do	727	426	364	217	16	196	320	398	551	119
do (fresh, in ice) lbs.				59,489	55,876	3,910				35,170
No. of Seal Skins		5,000	4,242	3,987	5,520	5,002	1,395	2,971	11,090	830
Cod Oil	22,006	24,252	7,128	9,247	13,995	21,341	20,621	23,515	20,704	36,600
Seal Oil		34,702	28,390	12,570	22,710	21,878	6,467	12,273	44,235	3,000
Halibut								20	32	15
Trout								15	7	6
Cod Tongues and Sounds... do								3	33	2
Fish used as bait and manure... do								13,139	9,710	13,570
Fish used for local consumption..... do								350	600	700

NATASHQUAN DIVISION.

T. MIGNAULT, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish	4,766	5,794	3,657	3,615	1,250	4,340	4,004	2,870	6,550
Herring	114	654	403	420	125	203	821	56	262
Salmon (pickled)	298	605	150	404	398	400	504	476	248
do (preserved)			113,727	50,000	90,000				
do (fresh, on ice)							245		7,347
Mackerel							7	69	40
Trout							6½	8	3
Tunny							2		
Cod Tongues and Sounds							2	2	4
Number of Seal Skins			1,085	1,213	1,330	122	421	4,983	52
Cod Oil	2,118	1,674	1,781	2,494	1,800	3,876	2,991	1,042	2,151
Seal Oil	18,030	3,891	2,380	2,947	6,820	450	1,063	17,792	161
Fish used as bait and manure							513	289	726
do for local consumption							47	29	56

WASHEECOOTAI DIVISION.

WM. McLEOD, *Overseer*.

This division, comprised of the Rivers Kegashca, Musquaro, Washeecootai and Romaine or Olomanosheeboo was, last season, placed under Mr. McLeod's charge.

Comparative Statement of the yield of the Fisheries :—

	1878.	1879.
Codfish	465 quintals.	862 quintals.
Salmon, pickled	80 barrels.	66 barrels.
Seal Skins	142 pieces.	
Cod Oil	260 gallons.	750 gallons.
Seal Oil	435 do	

WATSHESHOO DIVISION.

P. C. GOBEL, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish		380	560	110	865	389	318	732
Salmon	29	52	33	25	30	45	22	35
do fresh, in ice						28		
Trout		4	2	2	2	2	2	
Number of Seal Skins		809	967	519	840	163	764	185
Herring		1	329			250½	3	
Mackerel							3	
Halibut						½	1	
Seal Oil						284	3,041	308
Cod Oil						245	158	226
Fish used as bait and manure						21	1,393	70
Fish used for local consumption						10½	49	4

PACACHOO DIVISION.

J. LEGOUVÉ, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish.....	2,655	3,760	844	1,560	1,969	2,375	4,529
Halbut.....	200			426			
Salmon.....	180	955	206	485	353½	504	150
Trout.....	8	2	37	35	22½		28
Number of Seal Skins.....	1,444	248	173	310	779	2,074	1,422
Cod Oil.....	1,574	2,954	590	1,127	1,901	1,822	3,700
Seal Oil.....	9,526	1,745	1,238	751	4,306	10,568	11,131
Whale Oil.....	400						
Herring.....			2,301	426	49	118	83
Mackerel.....					169½	195	349
Fish used as bait and manure.....					2,388	478	793
Fish used for local consumption... do					32	17	27

BONNE ESPERANCE DIVISION.

W. H. WHITELY, *Guardian*.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish.....	4,960	7,710	5,062	61,800	85,975	116,005	152,849
Salmon.....	172	136	118	312	201	266	107
Trout.....						21	
Herring.....	250				240		1,000
Mackerel.....					12		90
Number of Seal Skins.....				3,027	3,230	605	152,849
Cod Oil.....	6,170	5,060	4,357	8,085	85,975	10,005	
Seal Oil.....	1,160	2,630	5,660	20,700	22,060	3,800	
Whale Oil.....			1,500				
Fish used as bait and manure.....					105,050	47,340	91,000
Fish used for local consumption... do					4,500	2,580	1,600
Lobsters, fresh.....					5,000		

MAGDALEN ISLANDS DIVISION.

J. J. Fox, *Overseer.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Codfish.....	20,032	17,048	13,840	13,035	10,957	11,179	16,051	19,458
Herring.....	2,956	4,847	15,138	49,951	77,443	28,231	5,261	23,889
Mackerel.....	1,172	5,494	6,569	6,449	4,969	4,912	3,012	5,677
Seal Skins.....	1,713	5,590	4,555	16,447	3,529	4,838	6,039	25,257
Cod Oil.....	9,306	6,050	7,395	8,527	4,630	10,705	7,315	9,350
Seal Oil.....	8,040	19,685	21,915	63,024	17,730	15,799	27,178	92,154
Whale Oil.....	2,162			975			480	
Lobsters.....					124,000	277,104	390,048	376,641
Mackerel, preserved.....						960	5,136	
Fish used as bait and manure.....						1,923	1,844	1,186
Fish used for local consumption.....						1,767	4,708	1,229

ANTICOSTI DIVISION.

A. MALOUIN,
THOMAS GAGNÉ, } *Guardians.*

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1876.	1877.	1878.	1879.
Codfish.....	6,806	8,303	6,922	12,299
Herring.....	4,410	16,214	17,003	5,999
Mackerel.....		18	67	112
Halibut.....	94	164	122	157
Salmon, pickled.....	72	75	97	42
Trout.....	14	14	9	17
Eel.....	1	2		3
Cod Tongues and Sounds.....	8	35	8	11
Seal Skins.....	145	356	288	382
Seal Oil.....	318	811	894	920
Whale Oil.....	250	2,840		
Cod Oil.....	5,081	4,935	3,249	6,141
Fish used as bait and manure.....		3,636	2,632	3,139
do for local consumption.....		469	1,780	301

ST. FRANCIS AND LAKE MEGANTIC DIVISIONS.

W. C. WILLIS,
J. B. McDONALD, } *Overseers.*

J. F. PICOTIN, *Guardian.*

Overseer Willis reports the catch of fish in his division during the last season as very satisfactory. This, he attributes, to the prohibition of net-fishing. He also reports the run of salmon in the St. Francis as large. At Scotstown, fifty salmon were seen to ascend the fishway in one day. The new fishway at that place proved successful. Poachers made several attempts to violate the law, but were frightened off. Eleven nets, one jack-light, two spears and three boats were seized and confiscated. Four parties were also fined, two for catching salmon and the others for illegally fishing for trout with nets.

Overseer McDonald, who has charge of Lake Megantic, reports having seized and confiscated seven nets and one spear, and destroyed one boat, for illegal fishing and spearing. He also succeeded in having two parties fined for the same offence.

Mr. Picotin reports a marked falling off in the number of fish frequenting St. Francis River; this he attributes to excessive seining at the mouth of the river in previous years.

LAKE MEMPHREMAGOG DIVISION.

S. F. COPP, *Overseer.*

The catch of fish was small in this division last season, owing partly to the low prices offered for this commodity, and to the fact that only one license was granted for net-fishing. Permission to catch fresh water herring was also given late in the season, when this kind of fish had mostly left the shoals, so that only a few could be caught. The Overseer reports that, although the catch was smaller than in previous years, the fish seemed to be plentiful, and he is of opinion that they came on the shoals in greater numbers than usual.

MISSISQUOI BAY DIVISION.

P. E. LUKE, *Overseer.*

COMPARATIVE STATEMENT of the yield of the Fisheries in this Division.

	1876.	1877.	1878.	1879.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Value of fishing boats and nets.....	778 00	442 00	530 00	438 00
do Shad.....	267 00	256 00	366 20	400 00
do Pickerel.....	450 00	960 00	1,670 00	480 00
do Mixed fish.....	60 00	250 00	270 00	136 00
	1,555 00	1,778 00	2,836 20	1,454 90

IBERVILLE DIVISION.

J. B. CHEVALIER, *Overseer.*

COMPARATIVE STATEMENT of the yield of the Fisheries in this Division.

	1877.	1878.	1879.
Eels..... number.	41,135	46,355	38,144
Sturgeons..... barrels.	32	16	.....
Pickrel..... do	841	915	117
Bass..... do	1,308	1,474	139
Mixed fish..... do	477	560	288

CHAMBLY DIVISION.

H. W. AUSTIN, *Overseer.*

This officer reports fishing in his division as remarkably good, and the fishery laws as having been well observed.

BERTHIER AND SOREL DIVISIONS.

PIERRE LATRAVERSE, } *Guardians.*
 OLIVIER LAFLÈCHE, }

Fishing in this division appears to have been better than last year. The Guardians perform their duties in a satisfactory manner, and the result of their work is shown in an increase of fish and strict compliance with the law and regulations made for the special benefit of fishermen in this district.

Comparative Statement of the yield of the Fisheries in this Division:—

	1878.	1879.
Shad..... number.	1,000	2,440
Eels..... do	7,500	9,030
Sturgeon..... barrels.	25	67
Whitefish..... dozen.	30	50
Maskinongé..... number.	60	60
Bass..... barrels.	18	70
Pickrel..... do	20	136
Pike..... do	60	6
Mixed Fish..... do	20	165

CHAMPLAIN AND ST. MAURICE DIVISION.

J. B. GERIN LAJOIE, *Overseer.*

The services of this officer were dispensed with for inefficiency and neglect of duty. He appears to have absolutely done nothing. Trout fishing during the close season was openly carried on without any endeavours by the Overseer to put a stop to it.

MONTREAL DIVISION.

JOHN MORRIS, *Coverseer*.

It being deemed necessary to appoint an officer for this district, residing on the spot, who could watch the city markets and the several fishing localities, Mr. Morris, of St. Lambert, was chosen to fulfil these difficult and responsible duties, which he did to the satisfaction of this Department and the public. He seized, during the course of last season, 700 pounds of bass and pickerel caught during the close season, and large quantities of speckled trout caught before the legal time in the lakes on the Rouge River. In accordance with the practice followed by this Department, these fish were distributed among charitable institutions.

HUNTINGDON AND CHATEAUGUAY DIVISIONS.

WM. CLYDE.
ANDREW WATT.
J. D. McMILLAN, } *Overseers*.

Fish are reported as being numerous in the waters of this division. The catch with nets is reported as having been very good until the middle of August, when low prices on the Montreal markets discouraged most of the fishermen, who gave up fishing.

LAKE TWO MOUNTAINS DIVISION.

JOSEPH I. LAMOUREUX, } *Overseers*.
ROBT. W. JONES,

Mr. Chaurette, the former Overseer, having resigned, this district was arranged so as to form two divisions. Mr. Jones has charge of the north shore of Lake Two Mountains and of that portion of the River Ottawa extending to Carillon. Mr. Lamoureux attends to the south side. Both officers had quite a lively time at first, owing to the numerous poachers and lawless characters who were in the habit of resorting to the waters of this division, and which often necessitated the sending of special constables and officers from Ottawa. A better state of things now prevails, and very few violations of the law came under the notice of the officers. Parties fishing with nets or seines are compelled to do so under special licenses, thus enabling this Department to control fishing and efficiently protect the fishermen.

ARGENTEUIL DIVISION.

ALEXANDER BEATON, } *Overseers*.
THOMAS EVANS,

The principal kinds of fish frequenting the waters of this division are the speckled and grey trout, herrings, eels, black bass, &c. The quantities caught during the season are estimated as follows:—

Trout	5,000 lbs.
Herrings	20 barrels.
Whitefish	100 dozen.
Mixed fish	20 barrels.
Eels	7,000 pieces.

These Overseers report the fishery laws as having been well observed, although Overseer Morris detected quite a number of parties fishing illegally in Mr. Beaton's division. These were subsequently found guilty of the offence and fined before Overseer Loranger, as explained in the following paragraph.

TERREBONNE DIVISION.

J. L. LORANGER, *Overseer*.

Several parties were found illegally fishing for trout during the close season, on the lakes at the head of the Rouge, by Overseer Morris, with the assistance of two local Guardians. A large quantity of fish was confiscated. The parties were subsequently brought before Overseer Loranger and dealt with as follows :

Charles Ethier, costs and fine	\$ 9 28
Joseph Bourguignon do	10 48
Isaac Guindon do	10 88
Gonzague Dusablon do	11 28
Fabien Charette do	9 10
J. B. Charette do	9 10
Pierre Groulx do	8 05
F. X. Chalifoux do	8 50
Calixte Viau do	6 95
Basile Longpré do	6 95
Ferdinand Legault do	22 85
Alfred Prevost do	8 05
Paul Meunier do	16 05
	<hr/>
	\$137 52

It is to be hoped that these stringent but necessary measures, will, for a time at least, put a stop to such inconsiderate violations of the law. The lakes on the Rouge and North Nation teem with the most delicious kinds of fish, such as speckled trout, bass, pickerel, whitefish, &c., &c., and in the interest of settlers who are now resorting in large numbers to that part of the country, they should be carefully protected in view of the cheap and wholesome article of diet which they afford.

GATINEAU AND OTTAWA DIVISIONS.

JOSEPH MARION, *Overseer*.

Fishing is reported to have been very good during the past season. Fishermen were unanimous in reporting a large increase of fish in the Ottawa River, as well as in the Gatineau lakes; this result being evidently caused by the protective measures adopted during the past few years. Fourteen nets and several spears were confiscated during the season for illegal fishing.

APPENDIX No. 9.

SCHEDULE of Salmon Angling in the Leased Rivers of the Province of Quebec and New Brunswick, during the Season of 1879.

Names of Rivers.	No. of Salmon.	Total Weight.	Average Weight	Weight of the Largest Fish.	Weight of the Smallest Fish.	Remarks.
Du Gouffre	5	80	16			
Murray	3	81	27	31		
Ste. Marguerite, N.E. Branch	34	682	20	30	10	
do N.W. do	51					
A Mars	3	38	12 $\frac{3}{4}$	14	12	
Little Saguenay	16	206	12 $\frac{3}{4}$	22	4 $\frac{1}{2}$	
Anse St. Jean	9	118	13 $\frac{1}{2}$	18	7	
Sault au Cochon						Not angled.
Laval						do
Godbout	223	3,067	13 $\frac{3}{4}$			
Trinity	30	411	13 $\frac{3}{4}$	22	5	
Romaine						do
Mingan						do
Mistassini						do
Becscie						do
Manitou						do
Moisie						do
Kegashca						do
St. John	159	2,425	15 $\frac{1}{2}$	34 $\frac{1}{2}$	6	
Natashquan	120	1,535	12 $\frac{3}{4}$	28	7	
Washeeshoo						do
Washeecootai						do
Matane	22	395	18	22 $\frac{1}{2}$	11	
Little S.W. Bic	12	111	9 $\frac{1}{2}$	19 $\frac{1}{2}$	4	
St. Anne des Monts	98	1,972	20 $\frac{1}{2}$	36	10	
Magdalen	69	1,035	15			
York	109	2,402	24 $\frac{1}{2}$	37	9	
St. John	54	810	15			
Dartmouth	11	192	17 $\frac{1}{2}$	24 $\frac{1}{2}$	10	
Grand	74	1,259	17	33	9	
Grand Pabos	19	304	16	26	13	
Little Pabos						
Bonaventure	58	820	14	28		
Little Cascapedia	21	373	17 $\frac{1}{2}$	33		
Grand Cascapedia	647	16,288	27	44 $\frac{1}{2}$	9	
Matapedia	200	3,000				
Upsalquitche	21	170	8	12	3	
Restigonche, Lower Division	154	2,216	14 $\frac{1}{2}$	44 $\frac{1}{2}$	11	
do Middle do	450	9,576	21 $\frac{1}{2}$	32	11	
do Upper do	256	5,216	20 $\frac{1}{2}$	38	27	
S.W. Miramichi	116	1,160	10	13	5	
Nepisiguit						No returns.
do (Rough Waters)						do
Total	3,035	55,954	18 $\frac{1}{2}$	44 $\frac{1}{2}$	3	

APPENDIX No. 10.

REPORT OF W. H. ROGERS, Esq., INSPECTOR OF FISHERIES FOR THE PROVINCE OF NOVA SCOTIA, FOR THE YEAR 1879.

AMHERST, 31st December, 1879.

Hon. J. C. POPE,
Minister of Marine and Fisheries.

SIR,—I have the honour to transmit herewith returns showing the yield and value of the fisheries of the Province of Nova Scotia during the year 1879, which show a decline in the total value, of \$378,663.44. An examination of the various items will show, however, that this whole amount is nearly accounted for by the falling off in the catch of lobsters, which I need scarcely remark was caused by the Order in Council of March extending the close time for these fish.

MACKEREL.

Mackerel were very scarce along the coasts and bays, but abundant at some distance from the shores, where they could not be taken by the appliances used by our fishermen; hence we have to report a decline of some \$292,358 in this item, which is more than made up in the increase of the cod family including the various kinds, which give an increase of \$303,506, not including an increase of \$9,679.25 in oil, which is almost entirely produced from codfish.

ALEWIVES.

The returns also show a very gratifying increase of alewives, as I predicted there would be two or three years ago. I expect a much larger yield next year, for various reasons. The rivers have been better supplied with good fishways during the past three or four years, than ever before, and these fish are finding their way to the lakes and inland waters in greater abundance than usual; and must, as a natural result, be increasing in numbers around the coast. They are very uncertain in their movements, and have not during the past three years entered our rivers in as great numbers as formerly. Still, those that did come found their way to their old favorite haunts much more readily than formerly, for reasons already stated. Commercially these are not a very important fish, yet they always find a ready market in the West Indies at remunerative prices. The quantity caught each year is not large, still they are a very important fish, as supplying bait at certain places and seasons where and when no other can be obtained. Besides, they seem to attract cod, hake, haddock, halibut, etc., near the shores where our boat fishermen can readily catch them. When alewives are plenty, the boat fishermen usually do a good business; hence these fish should receive every possible protection. The present close time from Friday night until Monday morning will be of much advantage to the fishery, still I think it should have been from Thursday night until Monday morning. There are a large number of small rivers, brooks and outlets from lakes around the shores of this Province, which might by the expenditure of a little money be opened for the ascent of these and other fish, such as trout, smelt, etc., to the great advantage of, not only these fish, but also the general coast fishery. This I regard as a matter of the very first importance, and if possible a sum of money

should be voted for this service each year. I am sure no public money could be appropriated, which would yield a more liberal return to the country. I therefore without any hesitation would most respectfully urge the consideration of this matter upon your attention.

SHAD.

There are but few of these fish in our rivers, and these few which ascend with the alewives to spawn, are of a poor quality and little sought after at present. They are of no commercial or domestic value, but could be made so by artificial culture. The Order in Council of May 16, 1879, affords all the close time they require, as they spawn with or at the same time alewives do. The Bay of Fundy shad are a different fish and spawn further south, entering the Bay in consequence of the abundance of food they obtain there, on which they become rapidly very fat and fine flavored, so that, they are very much sought after, and are of much commercial importance, being usually worth \$8.00 per barrel, and find a ready market in the United States. There was an increase in the quantity caught this year of 3,897 brls, worth \$31,175; the total value of the fishery as per returns being \$89,136 showing the very large increase of over fifty per cent in a single year. Of course we cannot expect an annual increase in these fish, still, this goes to show how mistaken some people are in their ideas and theories, as to the cause of the increase and decrease of fish. All that is necessary in regard to this fishery is to see that the modes of fishing are practised in a reasonable and humane way.

SALMON.

Were not so plenty as during the previous year and show a small decline, which is caused no doubt by the more vigorous enforcement of the extended close time effected by the repeal of the Nova Scotia law, which allowed fishing for salmon in salt water until the 20th October, whereas the Fisheries Act prohibits all fishing for these fish after the 15th August, shortening the fishing season nearly two months. In a large portion of the province, salmon do not enter the rivers until the fall rains, hence no salmon are taken in these localities where formerly large numbers were caught and appeared in our returns, where none now appear. A large increase in the yield of these fish may shortly be expected, as the result of Mr. Wilmot's labours, the improved fishways, and protection from indiscriminate illegal destruction, by the vigilance of the officers of your Department.

Trout also have largely increased during the past year.

COD.

The yield of this fishery as is shown by the returns is largely in excess of that of the two previous years, which would go to show that the idea so prevalent among the fishermen, as to the evil effects of trawl fishing, may not be correct after all; yet the opinion very generally prevails. I think the practise of throwing offal into the fishing grounds, has a much more injurious effect upon this fishery than trawling. I do not say, however, that trawling may not be a very destructive mode of fishing.

LOBSTERS.

The very large shrinkage in the production of lobsters during the past year is caused by the extended close time, introduced by the Order in Council of March last, which bore heavily upon many poor fishermen during the past year, still, I believe it will be found quite satisfactory to all concerned, in a year or two more, as it will have the double effect of keeping up the price of the article in the markets, and the supply of good sized fish, during the legal canning season.

The subsequent order allowing these fish to be caught for domestic use during the fall and winter months was a wise and very judicious step; as many poor people use them, and also sell many for domestic consumption, but not in sufficient numbers to have the effect of exhausting the fishery to any visible extent.

OYSTERS.

Do not figure large in the general produce of our fisheries and unless they are afforded better protection from indiscriminate destruction than the present law provides, we shall very soon have none to report. There are tens of thousands of acres of waters along the estuaries and bays, around the Straits of Northumberland, particularly, where these fish could be cultivated in great abundance and at small cost. It is surprising that some enterprising persons do not take hold of this business. Our American neighbours are doing a very large business in this line, amounting to many millions of dollars annually. We have every facility for their cultivation, and a ready market at remunerative prices. Information on the subject among the people is much needed, and I intend in future to turn my attention more to this matter, and if possible induce some enterprising persons to embark in the business; others will soon follow, no doubt, as very little capital is required and the profits are large.

FISHWAYS.

Considerable improvement has been effected in these structures during the past year. Much more would have been accomplished in this line, only in obedience to instructions I had to visit each county in the Province, on other duties, which consumed nearly all my time. It is useless to allow local or inexperienced officers to attend to this work, except, where a man understand his business.

I put one in each of the dams on the Mersey River, Queen's Co., constructed after my newly invented or improved fishway, which renders rivers almost as free and open for the ascent of fish, as if the dams were removed. I also built two on the Jordan and one on the Clyde, in Shelburne Co., after the same plan, and extended those on the Salmon River in Digby Co., up into the pond, and made them in most particulars, after the new model. I have no doubt but that they will work well.

THE NEW FISHWAY

Is the result of many practical efforts to get the fish in this Province over artificial and natural obstructions on our rivers. The one in general use has, when properly built, admitted all the fish that found the entrance to them; but as it ran down stream from the top of the dam, the entrance being usually from 50 to 100 feet below, and the ladder being from necessity placed on one side of the river, and being but about five feet wide, the result was that, especially on wide rivers, very few of the fish found the ladder, but passed up to the dam or wherever there might be any waste water leaking through or running over the dam.

Then it was impossible to provide for a fluctuation of over two feet in the water, with the old ladder, hence, it was often unsupplied with water during a great portion of the year, and consequently useless; being built below the dam it was liable to be carried away by descending ice, logs, trees, stumps during the spring and fall freshets. The head of the ladders being at the dam where the current was strong, drift wood, bark, brush, &c., were continually choking them up. So that, they were by no means a satisfactory mode of passing fish over dams. I have been trying to get at some mode of overcoming all these difficulties, and have at length hit upon a contrivance which most thoroughly and completely overcomes each and all of them as follows.

The new fishway starts from the bed of the river under the dam, extending up stream into the pond with a rise of one foot in ten or any grade desirable. I usually

build them five feet wide; the sides are built high enough to be above the highest freshet, and so tight that no water can enter except at the upper end which is closed in with the exception of an opening of fourteen inches wide from the floor of the fishway to the top, usually about four feet. Thus, when the pond is full there is a stream of water of say three feet by fourteen inches supplied for the fish to ascend; when the water settles in the pond, too low to enter at the upper end the ladder is supplied with gates in the sides at different points, so that fish can ascend at any height of water, consequently at any season of the year. The buckets or breaks on the inside are so constructed that the water passes down in an unbroken slow speed, with a perfectly still pool of water a every five or six feet, where a large number of fish can rest and play as they please. The ladder being thoroughly protected by a wharf or each side, ballasted and bolted down, and being all under water during the time of freshets is not liable to be carried away in the spring and fall; the dam may go, but the fishway will remain. Instead of weakening the dam, they are an important support to it; and as the upper end is some eighty to one hundred feet up stream above the dam, there is no current to cause it to fill up with drift wood &c., besides a pier is built at the upper end to protect it from such.

In building a new dam, this fishway can be placed in the centre of the stream and the dam starting from each side a little below runs out to the lower end of the ladder, and thus the dam would lead the fish to the entrance, while the ladder would act as a keystone to an arch, and support the dam.

One of these fishways ought to be put in each principal dam in the Dominion as soon as practicable. They would cost all the way from \$100.00 to \$400.00 according to local circumstances. But as the mill owners have already in most cases been to the expense of putting in legal ladders under the law, although they do not work as well as is desirable, especially on heavy rivers, I presume it would scarcely be fair to compel them to construct new ones. Still, the improved ladder should be adopted as far and as fast as possible, in the interest of the fisheries. An examination of the model will at once satisfy any person who has any knowledge of such matters, of the value and importance of the invention.

SAWDUST.

In order to obtain all the practical knowledge possible as to the injurious effects of sawdust on our fisheries, in a circular of instructions of the Overseers throughout the Province, I asked for information as follows: "Give all the facts you can obtain as to how and why sawdust injures the fisheries." "On this point give facts coming under your own observation, as far as possible, as well as reliable information from all sources." The opinions and facts given will be found in the reports of the officers, herewith attached. I have no doubt but sawdust or any other foreign substance thrown into rivers frequented by fish, injures them to a certain extent, but to what extent it is difficult to say; there is much to be said on both sides of the subject.

Every effort will be made in this Province during the coming year, to keep sawdust out of the rivers, except in localities exempt from the operation of the law. Very great expense to the mill owners will of course be the result, still the law must take its course, as I now understand it to be the wish of your Department that the law be properly and judiciously enforced.

With the improvements recently effected in the outside staff, and the knowledge acquired by many officers in the service I hope to be able to report a much greater improvement in the fisheries of Nova Scotia in the future than in the past, although much has already been effected.

I have the honor to be, Sir,

Your obedient servant,

W. H. ROGERS,

Inspector of Fisheries, N.S.

TABLE showing the actual decrease and increase of the several productions of the Fisheries in the Province of Nova Scotia compared with 1878.

Articles.	Increase.	Decrease.
Salmon	barrels.	" 16
do	in ice.	78,498
do	smoked.	946
do	in cans.	37,432
Mackerel	barrels.	28,139
do	in cans.	43,875
Herrings	barrels.	456
do	boxes.	25,675
Alewives	barrels.	3,671
Cod	cwt.	48,461
Tongues and Sounds	barrels.	119
Pollack	cwt.	6,498
Hake	do	2,928
Haddock	do	25,675
Halibut	lbs.	224,684
Shad	barrels.	3,897
Bass	lbs.	2,400
Trout	do	10,455
Smelt	do	107,185
Eels	barrels.	288
Oysters	do	149
Lobsters	cans.	2,391,816
Fish Oil	gals.	21,045
Fish Guano	tons.	251
Fish used as manure	barrels.	2,620

COMPARATIVE STATEMENTS of value of the Fisheries in each County of the Province of Nova Scotia, for the years 1878 and 1879.

Counties.	1878.		1879.		Increase.		Decrease.	
	\$	cts.	\$	cts.	\$	cts.	\$	cts.
Annapolis.....	58,939	25	138,734	50	79,795	25		
Antigonish.....	63,464	40	43,737	75			19,726	65
Cumberland.....	40,483	75	34,554	55			5,929	25
Colchester.....	52,596	65	70,898	25	18,301	60		
Cape Breton.....	240,179	65	247,966	35	7,786	70		
Digby.....	421,905	80	346,675	85			75,229	75
Guyshorough.....	464,091	74	358,702	10			105,392	64
Halifax.....	966,955	70	778,161	20			188,794	50
Hants.....	8,701	25	23,603	80	14,902	55		
Inverness.....	395,971	27	388,052	25			7,919	02
Kings.....	89,494	75	89,709	00	214	25		
Lunenburg.....	961,096	60	1,129,431	65	168,335	05		
Pictou.....	23,952	95	22,586	25			1,366	70
Queens.....	312,558	78	261,897	35			50,661	43
Richmond.....	360,816	80	331,945	95			28,870	85
Shelburne.....	863,257	35	752,098	20			111,159	15
Victoria.....	133,034	50	139,483	50	6,449	00		
Yarmouth.....	674,095	65	594,697	70			79,397	95
Total.....	6,131,599	64	5,752,936	20	295,784	40	674,447	84
Decrease.....							295,784	40
							378,663	44

APPENDIX

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in Fish, and the Total Number of Men employed, &c.,

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.															
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15		Salmon, fresh, in ice, lbs., at 15 c.		Salmon, Smoked, lbs. at 15c.		Mackerel, barrels, at \$10.		Herrings, barrels, at \$4.		Herrings, Smoked, in boxes, at 25 cts.	
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels, at \$15	Salmon, fresh, in ice, lbs., at 15 c.	Salmon, Smoked, lbs. at 15c.	Salmon, in cans, lbs. at 15 c.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.	Herrings, Smoked, in boxes, at 25 cts.			
<i>Annapolis.</i>		\$			\$			\$														
Margaretville.....	4	32	600	12	20	300	40	1500	750	2	100	100	...	...	10	...	1325	.....	.....	.....	.....
Port George.....	1	40	1000	10	20	390	40	1200	600	3	600	700	...	...	...	...	1200	.....	.....	.....	709	
Port William.....	...	...	...	...	23	600	50	1500	750	...	...	...	...	...	...	...	...	3000	.....	.....	.....	.....
Chute's Cove.....	1	20	1000	7	13	195	26	1080	540	...	...	...	...	...	...	...	1950	.....	.....	.....	.....
Phiney Cove.....	...	...	...	...	26	260	26	6240	3120	...	...	...	...	...	...	...	...	3000	.....	.....	.....	.....
Young Cove.....	...	...	...	...	12	240	24	400	200	...	...	...	...	...	...	...	...	600	.....	.....	.....	.....
Leonard Cove.....	1	27	850	8	12	240	24	400	200	...	...	...	...	...	...	...	...	480	.....	.....	.....	.....
Gut Station.....	2	23	700	12	35	700	70	1250	625	...	...	...	...	...	...	...	...	680	.....	.....	.....	.....
Goat Island.....	2	20	500	10	50	890	100	2400	1200	27	1350	...	...	...	65	...	100	12000	.....	.....	.....	.....
Annapolis.....	2	80	2800	20	8	96	10	120	60	...	...	...	...	...	...	...	...	...	.....	.....	.....	.....
Laquelle River.....	...	...	...	...	...	...	...	...	...	...	...	280	...	...	...	...	...	...	.....	.....	.....	.....
Annapolis River.....	...	...	...	...	4	40	8	40	40	2	100	1300	...	...	...	...	...	50	.....	.....	.....	.....
Nictaux River.....	...	...	...	...	...	...	...	...	...	...	...	50	...	...	...	...	...	...	.....	.....	.....	.....
Round Hill.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....	.....	.....	.....
Total.....	13	242	7450	79	225	3861	418	16130	8085	34	2150	2430	...	...	75	...	12385	12700	.....	.....	.....	.....

RECAPITULATION.—

Kinds of Fish.	Quantities.	Rate.	Value.
Salmon, fresh in ice.....	2430 lbs.....	\$ 15	364 50
Mackerel.....	75 brls.....	10 00	750 00
Herrings.....	12,385 ".....	4 00	49,540 00
do smoked, in boxes.....	12,700 boxes.....	25	3,175 00
Alewives.....	20 brls.....	3 50	70 00
Cod.....	2,525 cwt.....	4 25	10,731 25
Pollack.....	960 ".....	3 50	3,360 00

No. II.

the Fisheries, Quantity and Value of Fishing Material, Kinds and Quantities of in the County of Annapolis, Province of Nova Scotia, for the Year 1879.

KINDS OF FISH.										FISH PRO- DUCTS.		VALU.		WHERE MARKETED.						
Alewives, bris, at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues and Sounds, bris, at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Halibut, lbs, at 6 cts.	Shad, barrels, at \$8.	Bass, lbs, at 6 cts.	Trout, lbs, at 6 cts.	Smelt, lbs, at 6 cts.	Eels, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15 cts.	Fish Oil, gallons, at 65 cts	Fish Guano, tons, at \$15	Fish used as manure, barrels, at 50 cts.	\$	cts.		
200	100	100	11000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	300	200	200	45,530	00		
200	100	250	300	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	400	300	300	8,735	00		
100	30	250	200	1250	1000	1000	1000	1000	1000	1000	1000	1000	1000	400	150	150	14,515	00		
200	200	250	250	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	600	150	150	10,925	00		
200	50	200	100	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	600	260	260	14,715	00		
200	100	250	400	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	400	100	100	6,425	00		
225	150	600	800	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	900	800	800	9,466	25		
500	100	900	1050	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	575	900	900	12,963	75		
200	100	250	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	300	500	500	6,630	00		
500	230	570	580	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	1000	200	200	8,185	00		
20							5	1500										112	00	
																		525	00	
																		7	50	
20,2525	960	3270	14930	26250	5	1500								5475	3560	3560	138,734	50		

ANNAPOLIS.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Hake	3,270 cwt	3 50	11,445 00
Haddock	14,930 "	3 50	52,255 00
Halibut	26,250 lbs	6	1,575 00
Shad	5 brls.	8 00	40 00
Bass	1,500 lbs	6	90 00
Fish Oil	5,475 gals.	65	3,558 75
Fish used as manure	3,560 brls.	50	1,780 00
Total			138,734 50

RETURN showing the Number, Tonnage, and value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, brls., at \$4.	Herrings, smoked, in boxes, at 25 cts.
	No.	Tonnage.	Value.	Men.	No.	Value.	Fathoms.	Value.	No.	Value.								
<i>Antigonish.</i>			\$		\$			\$	\$									
Antigonish.....					20	400	60	2580	4140			13500		95		10		
Arisaig.....					32	640	70	3490	5090			17800		84		69		
Morristown.....	1	23	600	5	45	900	110	3980	6580			11700		145		196		
Tracadie.....	2	84		17	60	1500	140	5980	3580			3160		2640	275		908	
Total.....	3	107	1940	22	157	3440	380	16030	19390			46160		2640	599		1183	

RECAPITULATION.—

Kinds of Fish.	Quantities.	Rate.	Value.
Salmon, fresh in ice.....	46,160 lbs. at.....	\$ cts. 15	\$ cts. 6,924 00
do in cans.....	2,640 cans ".....	15	396 00
Mackerel.....	599 brls. ".....	10 00	5,990 00
Herrings.....	1,183 " ".....	4 00	4,732 00
Cod.....	145 cwt. ".....	4 25	616 25
Hake.....	1,338 " ".....	3 50	4683 00
Haddock.....	65 " ".....	3 50	227 50
Bass.....	1,000 lbs. ".....	06	60 00

and Boats engaged in the Fisheries, etc.—Continued.

KINDS OF FISH.		FISH PRODUCTS.		VALU.	WHERE MARKETED.											
Alewives, bris., at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues & Sounds, barrels, at \$7.	Pollack, cwt., at \$3.50.			Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Halibut, lbs., at 6 cts.	Shad, barrels, at \$8.	Bass, lbs., at 6 cts.	Trust, lbs., at 6 cts.	Smelt, lbs., at 6 cts.	Eels, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15 cts.	Fish Oil, gallons, at 65 cts.
15	30	15	1000	80	100	50	200	700	250	1200	119760	1200	4,348 75			
10	175	1000											4,631 00			
110	983	10		5		700							8,432 00			
10	150	40		10	50	119760	250						26,326 00			
145	1338	65	1000	1000	95	150	119760	1200					43,737 75			

ANTIGONISH.

Kinds of Fish.	Quantities.	Rate.	Value.
Smelt.....	1,000 lbs. at	\$ cts. 06	\$ cts. 60 00
Eels	95 bris. "	9 00	855 00
Oysters	150 " "	3 00	450 00
Lobsters	119,760 cans "	15	17,964 00
Fish Oil.....	1,200 gals. "	65	780 00
Total			\$43,737 75

RETURN showing the Number, Tonnage, and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.												
	Vessels.			Boats.			Nets.		Weirs.										
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs. at 15 cts.	Salmon, Smoked, lbs. at 15 cts.	Salmon, in cans, lbs. at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrel, at \$4	Herrings, smoked, in boxes, at 25 cts.
<i>Cumberland.</i>		\$			\$			\$	\$										
Fort Lawrence.....							8	175	125				50						
Amherst.....							16	400	300				800						
Manudie.....							11	600	525				500						
Apple River.....				1	40		3	100	50				100					100	
Advocate.....				3	120		10	300	150							10		200	
Spence's Island.....				3	180		10	250	125	1	75					5		50	1600
Port Greville.....				5	250		15			3	80		300			5		400	
Parsborough.....				3	150		10			2	50		150					150	
Sun Islands.....							8			6	300		200					275	300
Tidnish.....				6	200		12	180	120						10			50	
Shinnimicas.....												3							
Goose River.....				3	75		6	100	75							12		15	
Toney Bay.....				2	60		4	60	45							10		12	
River Philip.....	2	50	1200	8								4							
Pugwash.....					10	250		20							20			15	
Wallace.....	1	18	500	5	6	210	12								10			40	
Wallace River.....																			
Total.....	3	68	1700	13	42	1535	145	2165	1515	12	505	7	2100		82			1307	1900

RECAPITULATION -

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts	\$ cts.
Salmon.....	7 brls. at.....	15 00	105 00
do fresh in ice.....	2,100 lbs. ".....	15	315 00
Mackerel.....	82 brls. ".....	10 00	820 00
Herrings.....	1,307 ".....	4 00	5,228 00
do Smoked.....	1,900 boxes ".....	25	475 00
Alewives.....	1,030 brls. ".....	3 50	3,605 00
Cod.....	660 cwt. ".....	4 25	2,805 00
Pollack.....	455 ".....	3 50	1,592 50
Hake.....	340 ".....	3 50	1,190 00
Halibut.....	8,350 lbs. ".....	06	501 00
Shad.....	1,030 brls. ".....	8 00	8,240 00

RETURN showing the Number, Tonnage, and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, brls, at \$10.	Salmon, fresh, in ice, at 15 c.	Salmon, smoked, lbs. at 15 cts.	Salmon, in cans, lbs. at 15 cts.	Mackerel, brls. at \$10	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.	
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.								Value.
<i>Colchester.</i>		\$		\$		\$		\$										
Mass Town.....				5	150	10	1250	300			4	500						
Debert.....				2	65	4	500	120			2	150						
Folleigh.....				2	70	4	500	130			1	200						
Little Dyke.....				5	100	10	1000	250			3	250						
Great Village.....				2	80	4	500	90			1	100						
G. Village Point.....				4	120	8	1000	200			2	300						
Highland Village.....				3	90	7	900	180		1	200	2	200					
Portapique.....						5				4	700							
Five Houses.....				2	80	8	600	120		3	600		300					
Birch Hill.....				3	120	8	1000	180		1	800		400					
Bass River.....				3	130	8	900	150		2	600		300					
Little Bass River.....				4	120	10	1200	250		2	400		100				6	
Upper Economy.....						11	350	30	3850	770	5	1800	3	600				10
Economy Point.....								12			6	6000						15
Central Economy.....				2	60	14	500	100		6	4000							75
Lower Economy.....								8			5	800						38
Five Islands.....				7	200	20		300		10	1000							100
Clifton.....				4	65	8	780	100					400					
Black Rock & Princeport.....				5	160	10	1890	245					800					
Lower Stewiacke.....				12	60	12	100	72					375					
Forest Glen.....				4	20	4	33	24					210					
Middle Stewiacke.....				4	20	4	33	24					275					
Stirling.....				23	616	30	150	62					1500			5		75
Total.....				107	2676	238	16886	3667	45	16900	18	7260			5			319

RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Salmon.....	18 brls. at.....	15 00	270 00
do fresh, in ice.....	7,260 lbs ".....	0 15	1,089 00
Mackerel.....	5 brls. ".....	10 00	50 00
Herrings.....	319 " ".....	4 00	1,276 00
do smoked.....	610 boxes ".....	0 25	152 50
Alewives.....	20 brls. ".....	3 50	70 00
Cod.....	250 cwt. ".....	4 25	1,062 50

and Boats engaged in the Fisheries, &c.—Continued.

KINDS OF FISH.		SH PRODUCTS.		VALUE.	WHERE MARKETED.
Herrings, smoked, in boxes, at 25 cts.					
Alewivies, brls., at \$3.50.					
Cod, cwt., at \$4.25.					
Cod Tongues and Sounds, brls., at \$7					
Pollack, cwt., at \$3.50.					
Hake, cwt., at \$3.50.					
Haddock, cwt., at \$3.50.					
Halibut, lbs., at 6 cts.					
Shad, barrels, at \$8.					
Bass, lbs., at 6 cts.					
Trout, lbs., at 6 cts.					
Smelt, lbs., at 6 cts.					
Eels, brls., at \$9.					
Oysters, brls., at \$2.					
Lobsters, cans, at 15 cts.					
Fish Oil, gallons, at 65 cts.					
Fish Guano, tons, at \$16.					
Fish used as manure, barrels, at 50 cts.					
				\$ cts.	
				2,119 00	
				748 50	
				709 00	
				826 50	
				830 00	
				1,235 00	
				1,372 00	
				896 00	
				2,613 00	
				2,700 00	
				2,253 00	
				3,284 00	
				10,207 00	
				4,188 00	
60				5,747 75	
500	25		10	1,430 25	
	30			3,048 50	
	170			500 00	
	20			1,382 00	
				916 25	
				246 50	
				302 25	
50	25			23,343 75	
610	20	250	10	70,898 25	
			50		
			5458		
			1000		
			7100		
			150000		
			105		

COLCHESTER.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Pollack.....	10 cwt. at.....	3 50	35 00
Haddock.....	50 " ".....	3 50	175 00
Shad.....	5,458 brls. ".....	8 00	43,664 00
Trout.....	1,000 lbs. ".....	0 06	60 00
Smelt.....	7,100 " ".....	0 06	426 00
Lobster.....	150,000 cans ".....	0 15	22,500 00
Fish Oil.....	105 gals. ".....	0 65	68 25
Total.....			70,898 25

RETURN showing the Number, Tonnage, and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.										
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.	Salmon, Fresh, in ice, lbs, at 15c.	Salmon, Smoked, lbs, at 15 cts.	Salmon, in cans, lb., at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrels, \$4.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.								Value.
<i>Cape Breton.</i>																	
Sydney Forks.....					7	96	14	150	48								
Coxheath.....					7	60	14	240	60								7
S. side of N. W. Arm					16	120	36	580	180								41
Point Edward.....					12	140	24	560	184						11		8
Albert Bridge.....					8	80	8	500	120			300			12		12
Mira River.....					5	180	11	300	130		1	800					13
Mira Gut.....	1	21	300	4	14	425	30	570	140		6	1200					20
Round Island.....	1	10	200	4	8	64	8	960	280			200	2400		3		96
False Bay Beach.....					12	168	15	630	222			550			18		52
Wadden's Cove.....					11	175	14	870	287						64		37
South Cow Bay.....					15	856	40	1600	450		14				80		100
Black Brook.....	1	36	1500	10	1	12	2	260	84						28		4
North Cow Bay.....					12	520	28	320	96							17	19
Long Beach.....					12	84	24	300	120								5
Big Glace Bay.....					26	200	52	1500	550		4				7		104
Little Glace Bay.....					16	750	30	1220	455						42		130
Bridgeport.....					18	270	36	600	210						8		107
Lingan Barachois.....					15	600	35	600	175						32		85
Low Point Shore.....					16	162	32	720	216						30		60
South Bar.....	1	18	500	5	37	467	60	2770	1095			3	2100		72		122
Salmon River.....					4	40	4	80	20						2		5
N.W. Brook & Grand Lake.....							15	270	60								
Kilkenny Lake.....																	
Black Brook.....																	
Total.....	4	85	2500	23	272	5469	526	15550	5162			28	5150	2400	432		990

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

KINDS OF FISH.										FISH PRODUCTS.		VALUE.	WHERE MARKETED.							
Herrings, Smoked, in boxes, at 25 cts.	Alewives, barrels, at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues and Sands, brls., at \$7.	Pollack, cwt., \$3.50.	Hake, cwt., at \$3.50.	Haddock, lbs., at \$3.50 cwt.	Halibut, lbs., at 6 cts.	Shad brls., at \$6.	Bass, lbs., at 6 cts.	Trout, lbs., at 6 cts.	Smelt, lbs., at 6 cts.			Eels, brls., at \$9.	Oysters, brls., at \$3.	Lobsters, cans, at 15 cents.	Fish Oil, gallons, at 65 cts.	Fish, Guano, at \$15.	Fish used as manure, brls., at 50 cts.	
10										1000	800	7						\$	206 00	Home con-
																			131 50	do
																			428 50	do
																			242 60	do
																			543 00	do
																			954 25	Home and Halifax.
																			2686 00	do
																			1537 00	do
																			2453 60	do
																			3206 80	do
																			6128 75	do
																			2469 90	Cow Bay and Halifax.
																			1744 50	do
																			404 30	do
																			1218 00	Home and Halifax.
																			3853 50	do
																			1677 05	do
																			2803 50	Home & North Sydney.
																			1970 75	North & South Sydney.
																			3569 75	Sydney and Halifax.
																			433 45	Home.
																			187 00	do
																			30 00	do
																			24 00	do
101	5087			12	248	27450	2	3650	17400	129	4	2543	28						38923 70	

RETURN showing the Number, Tonnage, and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, brls., at \$15.	Salmon, fresh, in ice, lbs., at 15.	Salmon, Smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 5 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, brls., at \$4.	
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.								Value.
Brought forward...	4	85	2500	23	272	5469	526	15550	562			28	5150	2400		442		999
N. East Bay																		
Long Island																		
George's River																		
Little Bras d'Or	15	450	4500	105	8	160	16	1035	450						100		500	
Point Aconi					6	120	12	270	180						50		100	
Mill Pond					2	40	4	90	60								49	
Fife's Mill																		
Little Pond					3	60	6	135	90			300					50	
Big Pond					4	80	8	180	120			950					100	
Lloyd's Cove					2	40	4	90	60			500					30	
North Bar	2	30	300	6				90	60								100	
North West Arm					8	80	16	360	240			60					200	
Leeche's Creek					2	20	4	60	40								15	
Ball's Bridge					4	40	8	120	80			200					50	
Belfrey					12	680	36	720	300						50		130	
Gabarus	1	50	2000	10	86	2600	256	7600	3800					1050			600	
Kennington Cove					9	225	25	400	250						45		54	
Louisburg					62	2400	180	3200	1700			1	100		650		775	
Big Loraine					46	1840	130	5660	2330			8			575		304	
Little Loraine					20	800	50	2750	1375			18			630		130	
Baulin					13	520	40	950	475			12			140		65	
Main à Dieu and Scattarie					37	1110	100	4400	2300			9			463		805	
Mira Bay and Chate-lone					50	1500	109	4600	2300			10			408		1610	
Mira River & Lewis Bay					24	300	50	450	275			100					20	
East Bayard and Big Pond					20	200	40	600	300						5		150	
Total	22	615	9300	144	690	17284	1610	49310	22007			95	7260	2500		4598		6927

RECAPITULATION—

Kinds of Fish.	Quantities.	Rate.	Value.
Salmon	95 brls at	\$ 15	1,425 00
do fresh, in ice	7,260 " "	0 15	1,089 00
do smoked	2,500 lbs "	0 15	375 00
Mackerel	4,598 brls "	10 00	45,980 00
Herrings	6,927 " "	4 00	27,708 00
Alewives	142 " "	3 50	497 00
Cod	30,572 cwt "	4 25	129,931 00
Hake	262 " "	3 50	917 00
Haddock	5,662 " "	3 50	19,817 00
Halibut	46,040 lbs "	0 06	2,762 40

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

KINDS OF FISH.										FISH PRODUCE.		VALUE.	WHERE MARKED.							
Herrings, Smoked, in boxes, at 25 cts.	Alewives, brls., at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues & Sounds, brls., at \$7.	Pollock, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Halibut, lbs., at 6 cts.	Shad, brls., at \$8.	Bass, lbs., at 6 cts.	Trout, lbs., at 6 cts.	Smelt, lbs., at 6 cts.			Eels, brls., at \$9.	Oysters, brls., at \$3.	Lobsters, cans, at 5 cts.	Fish Oil, gallons, at 65 cts.	Fish Guano, at \$15.	Fish used as manure, brls., at 50 cts.	
101	5087				12	248	27450	2		3650	17400	129	4		2543	28			\$ 38933 70	
		50								300									18 00	
		100								200			10						264 90	
		1800				60	8000			150		5							502 40	
		300				20	200									675			11778 75	
		100				10	400			200						112			2329 80	
	5									50						36			679 40	
		150				10	300					3				52			20 50	
		150				10	200					4				52			996 30	
		50														16			1296 80	
		100				5										36			417 90	
																			565 90	
	5									40			2						809 00	
	5									60			4						97 90	
		650				50	100				2000					350			287 10	
		6600			250	400	400				100					5437			4311 00	
		68				68	100									85			46789 05	
		3102				1550	3100									2320			1254 25	
		3000				500	2000			90						2750			29932 50	
		1900				1900	200									1225			23498 90	
		228				228	240									228			23033 25	
		2569				493	1850									1930			3769 60	
		4290				100	1500									3000			21985 75	
	16	150				10		2		250	2000	5			45				31427 50	
	10	130								100	600	30	20		43				1048 75	
	142	30572			262	5662	46040	4		5090	22100	182	34		20987	28			1637 45	
																			247966 35	

CAPE BRETON.

Kinds of Fish.	Quantities.	Rate.	Value.
Shad	4 brls at.....	\$ 8 cts.	32 00
Trout	5,090 lbs. "	0 06	305 40
Smelt	22,100 " "	0 06	1,326 00
Eels	182 brls "	9 00	1,638 00
Oysters	34 "	3 00	102 00
Fish Oil	20,987 galls. at.....	0 65	13,641 55
Fish Guano	28 tons. at.....	15 00	420 00
Total			247,966 35

RETURN showing the Number, Tonnage, and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.												
	Vessels.			Boats.			Nets.		Weirs.										
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.	Herrings, smoked, boxes, at 25 cts.
<i>Digby.</i>						\$		\$		\$									
Digby...	6	300	5500	54	24	550	48	700	700	5	800					40			420
Digby Gut						21	400	42	620	550									375
Gulliver's Cove						27	550	54	750	500									360
Centerville	2	50	1200	20	36	1050	72	500	500						200				800
Sandy & Mink Cove	4	80	1500	24	22	450	44	800	700	4	800	3000			250				100
Little River.....						28	1000	56	675	600					300				300
Sea Wall						10	200	20			3	600				325			
St. Mary's.....						60	1800	120			8	2000			1000			300	500
Weymouth.....						30	900	60	500	400	4	850			200			60	
Hillsburg.....	2	95	3500	16	12	240	24	275	250						200				
Cove.....	1	10	250	5	25	500	50	350	200	10	1000				200				500
Griffen's Cove.....						8	160	16			1	200			300				
Beliveau's Cove.....	2	40	800	12	22	750	44	420	250	2	400				120			60	
Grosses Coques.....						5	100	10	75	40	1	200			200			75	
Church Point.....	2	75	1500	16	21	800	42	420	240	1	200								
Saulnierville.....						10	400	20	200	150									
Meteghan	5	150	300	30	33	1060	66	3000	2000										30
Cape St. Mary's	8	245	5300	62	21	975	42	3000	2000										35
Salmon River.....						8	300	16	150	100			300	75					35
Westport	42	700	20500	200	80	2100	160	3500	1750						80			300	2000
Freeport.....	8	180	5000	50	90	1400	180	3000	1500	1	200	184			75			200	
Tiverton.....	4	106	4000	40	30	600	60	1600	800						6				2900
Total.....	66	2031	52050	529	242	16385	1246	20535	13230	40	7250	3484	75		3296			3415	5900

RETURN showing the Number, Tonnage and Value of Vessels

RECAPITULA

Kinds of Fish.	Quantities.	Rate.		Value.	
		\$	cts.	\$	cts.
Salmon, Fresh, in ice.....	3,484 lbs at.....	0	15	522	60
do Smoked.....	75 do “.....	0	15	11	25
Mackerel.....	3,296 brls. “.....	10	00	32,960	00
Herrings.....	3,415 do “.....	4	00	13,660	00
do Smoked, in boxes.....	5,900 boxes “.....	0	25	1,475	00
Alewives.....	63 brls. “.....	3	50	220	50
Cod.....	22,862 cwt. “.....	4	25	97,162	50
Cod Tongues and Sounds.....	82 brls. “.....	7	00	574	00
Pollack.....	9,401 cwt. “.....	3	50	32,903	50
Hake.....	15,007 do “.....	3	50	52,524	50
Haddock.....	23,680 do “.....	3	50	82,880	00

and Boats engaged in the Fisheries, &c.—Nova Scotia—*Continued.*

TION.—DIGBY.

Kinds of Fish.	Quantities.	Rate.		Value.
		\$	cts.	\$. cts.
Halibut.....	21,800 lbs. at	0	06	1,308 00
Shad.....	45 brls. "	8	00	360 00
Trout.....	14,500 lbs. "	0	06	870 00
Smelt	15,000 do "	0	06	900 00
Eels.....	52 brls. "	9	00	468 00
Lobsters	48,000 cans "	0	15	7,200 00
Fish Oil	20,430 galls. "	0	65	13,279 50
Fish used as Manure	2,025 brls. "	0	50	1,012 50
Hake Sounds.....	9,700 lbs. "	0	65	6,305 00
Fresh Fish.....	2,600 do "	0	03	78 00
Total.....	.....	.....	.....	346,675 85

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Salmon, bris, at \$15.00.	Salmon, fresh, in ice, lbs. at 15 cts.	Salmon, Smoked, lbs. at 15 cts.	Salmon, in cans, lbs. at 15 cts.	Mackerel, in barrels, at \$10.	Mackerel, in cans, at 15 cts.	
	Vessels.			Boats.			Nets.		Weirs.								
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.							Value.
<i>Guysborough.</i>																	
Fisherman's Harbour to Coddles Harbour.....	3	93	4000	14	111	3750	160	10000	5000	4	650			1920	969		
Coddles Harbour and New Harbour.....	2	68	2400	16	86	2150	106	8600	4300	2	100				344		
Torbay and Charlo's Cove.....	1	43	1500	10	194	3880	388	16800	8400			1			840		
Cole Harbour.....					204	4284	204	16320	8160	2	200	20			408		
Port Felix } White Head. }																	
South Shore.....	1	25	1000	8	98	1960	160	12000	6000	21	5400	20			1238		
Canso and Dover.....	8	334	14000	54	164	6840	312	31200	15600	23	4300	35		864	1361	4224	
Guysborough.....	2	60	1200	10	105	2850	150	14400	7200	5	700	40			540		
North Shore.....					95	1750	135	11400	5700	4	400	10			380		
Strait of Canso.....	6	226	3300	48	120	2400	180	18000	9000	5	500				1800		
St. Mary's River.....	1	40	1000	5	30	420	45	2800	1200			6	11500	9675	8		
Gegogan Harbour.....					8	160	20	400	160				1000		6		
Indian Harbour.....	3	45	600	12	40	400	45	1680	560	1	150				12		
Wine Harbour.....	1	15	200	4	6	100	12	240	120	1	200	4	100	600	40		
Bickerton Harbour.....					25	300	33	1470	525						50		
Little Liscombe Harbour.....					18	400	45	1200	432				100	400	20		
Big Liscombe Harbour.....					15	300	45	800	400				250		10		
Spanish Bay.....					5	390	15	200	80						3		
Marie-Joseph.....					20	400	50	1320	550				100	500	50		
Ecum Secum.....					29	560	85	1680	950				200	1200	100		
Holland's Harbour.....					5	50	9	270	65								
Indian River.....					1	15	1	30	15				150				
Total.....	28	949	29200	181	1379	33359	2200	150810	74317	68	12600	136	12400	13375	2784	8179	4224

RECAPITULATION.—GUYSBOROUGH.

Kinds of Fish.	Quantities.	Rates.	Value.
Salmon	136 barrels, at	15 00	2,040 00
" Fresh, in ice.....	12,400 lbs., "	15	1,860 00
" Smoked	13,375 " "	15	2,006 25
" in cans	2,784 cans, "	15	417 60
Mackerel	8,179 barrels, "	10 00	81,790 00
" in cans.....	4,224 cans, "	15	633 60
Herrings.....	12,346 barrels, "	4 00	49,384 00
Alewives.....	200 " "	3 50	700 00
Cod.....	21,095 cwt., "	4 25	89,653 75
Cod Tongues and Sounds.....	57 barrels, "	7 00	399 00
Pollack.....	209 cwt., "	3 50	731 50
Hake.....	1,962 " "	3 50	6,517 00
Haddock.....	8,739 " "	3 50	30,586 50
Halibut.....	39,000 lbs., "	06	2,340 00
Trout	10,825 " "	06	649 50
Smelt	8,000 " "	06	480 00
Eels.....	86 barrels, at	9 00	774 00
Lobsters.....	516,384 cans, "	15	77,457 60
Fish Oil.....	13,172 galls., "	65	8,561 80
Squid.....	430 barrels, "	4 00	1,720 00
Total .....	.....	.....	\$358,702 10

RETURN showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				KINDS OF FISH.							
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.00.	Salmon, fresh, in ice, lbs. at 15c.	Salmon, smoked, lbs. at 15c.	Salmon, in cans, lbs. at 15c.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15c.	Herrings, barrels, at \$4.	Herrings, smoked, in boxes, at 25c.
	No.	Tonnage.	Value.	Men.	No.	Value.	Fathoms.	Value.	No.	Value.								
North Shore.....	4	120	.....	200	.....	180	9000	.....	52	.....	3800	.....	2560	.....	220	.....	.....
East Margaret's Bay..	1	36	.....	8	.....	100	4000	.....	30	.....	900	.....	3050	.....	700	.....	.....
Indian Harbour.....	1	36	.....	8	.....	100	4000	.....	30	.....	3400	.....	2980	.....	620	.....	.....
Peggy's Cove.....	1	36	.....	8	.....	100	4000	.....	30	.....	6000	.....	450	3000	120	.....	.....
Dover.....	1	36	.....	8	.....	100	4000	.....	30	.....	100	12000	36	.....	2300	.....	460
Upper Prospect.....	1	36	.....	8	.....	250	43000	.....	74	.....	10000	.....	5200	.....	1300	.....	.....
Tarrence Bay.....	1	36	.....	8	.....	110	13000	.....	25	.....	700	.....	2500	.....	620	.....	.....
Plant.....	1	36	.....	8	.....	80	6000	.....	10	.....	2100	.....	780	.....	108	.....	.....
Skimbro.....	1	36	.....	8	.....	120	5000	.....	3	.....	180	.....	400	5000	.....	.....	.....
Ketch Harbour.....	7	160	.....	42	110	140	6000	.....	14	.....	14200	.....	150	.....	800	.....	.....
Portugese Cove.....	16	400	.....	98	115	150	8400	.....	40	.....	1200	.....	550	.....	150	.....	.....
Herring Cove.....	5	120	39600	30	60	68200	90	3500	45	85400	.....	.....	200	.....	100	.....	.....
Ferguson's Cove.....	1	23	700	4	46	1474	103	2460	1230	.....	3120	1020	143	.....	269	.....	.....
Ecum Secum to Beaver Harbour.....	2	48	800	10	28	815	53	3920	1960	.....	750	5040	475	.....	481	.....	.....
Sober Island to Sheet Harbour.....	11	348	8750	71	76	2637	149	23860	11930	.....	.....	300	1700	.....	3729	.....	.....
Mushaboon to Pope's Harbour.....	4	101	2100	20	52	2475	114	7400	3700	.....	650	.....	251	.....	1511	.....	.....
Tangier to Ship Harbour.....	5	130	2700	28	54	1212	90	7740	3870	.....	150	1200	440	.....	1983	.....	.....
West Side Ship Harbour to Clam Bay.....	8	161	5250	51	50	1377	89	3860	1930	.....	250	1200	336	.....	694	.....	.....
East and West Jeddore.....	3	61	1550	14	64	1394	124	4200	2100	.....	1200	2076	1488	.....	10176	.....	782
Musquodoboit Harbour to East Chezzetcook.....	8	170	6250	48	108	1294	146	13640	6826	.....	900	.....	444	.....	2897	.....	.....
West Chezzetcook to Lawrence town.....	1	12	300	5	50	644	85	5440	2729	.....	4	3536	.....	135	.....	806	.....
Coal Harbour to Eastern Passage.....	76	1876	68060	449	2183	80119	2703	240920	86780	85400	4	57856	10836	1824	26137	18176	19535

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

DISTRICT.	KINDS OF FISH.											FISH PRODUCTS.			VALUE.	WHERE MARKETED.				
	Alwives, barrels, at \$3.50.	Cod, cwt., at \$4.25.	God Tongues and Sounds, barrels, at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Hallbut, lbs., at 6c.	Shad, barrels, at \$8.	Bas, lbs., at 6c.	Trout, lbs., at 6c.	Smelt, lbs., at 6c.	Eels, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15c.			Fish Oil, gallons, at 65c.	Fish Gunno, tons, at \$15.	Fish used as manure, barrels, at 50c.	\$	cts.
<i>Halifax.</i>																				
North Shore.....	20	120	2	100	100	.....	.....	.....	.....	.....	.....	.....	.....	80	.....	.....	28,496 00	Halifax.		
East Margaret's Bay.....	16	1720	34	600	300	.....	.....	.....	.....	.....	.....	.....	.....	540	.....	.....	44,574 00	"		
Indian Harbour.....	16	820	16	400	200	.....	.....	.....	.....	.....	.....	.....	.....	400	.....	.....	50,873 00	"		
Peggy's Cove.....	40	320	7	20	100	50	.....	.....	.....	.....	.....	.....	.....	200	.....	.....	14,394 00	"		
Dover.....	40	920	20	660	100	.....	.....	.....	.....	.....	.....	.....	.....	500	.....	.....	33,125 00	"		
Upper Prospect.....	.....	2800	56	1000	300	.....	.....	.....	.....	.....	.....	.....	.....	1400	.....	.....	83,952 00	"		
Terrence Bay.....	.....	2020	40	1200	.....	60000	.....	.....	.....	.....	.....	.....	.....	1000	.....	.....	44,900 00	"		
Pennent.....	10	1280	26	276	.....	.....	.....	.....	.....	.....	.....	.....	.....	640	.....	.....	15,886 00	"		
Sambro.....	20	3780	80	1000	100	.....	.....	.....	.....	.....	.....	.....	.....	1900	.....	.....	27,810 00	"		
Ketch Harbour.....	20	3180	62	800	100	9700	.....	.....	.....	.....	.....	.....	.....	1600	.....	.....	23,491 00	"		
Portugese Cove.....	.....	460	9	550	30	.....	.....	.....	.....	.....	.....	.....	.....	240	.....	.....	22,534 00	"		
Herring Cove.....	.....	4340	86	1500	500	180000	.....	.....	.....	.....	.....	.....	.....	2200	.....	.....	44,557 00	"		
Ferguson's Cove.....	.....	1100	23	400	.....	60000	.....	.....	.....	.....	.....	.....	.....	640	.....	.....	12,647 00	"		
Ecum Secum to Beaver Harbour.....	110	1915	.....	52	237	.....	.....	.....	.....	.....	.....	.....	.....	1092	.....	.....	64,835 05	"		
Sober Island to Sheet Harbour.....	30	1166	.....	85	112	700	.....	.....	.....	.....	.....	.....	.....	623	.....	.....	30,464 45	"		
Mushaboon to Pope's Harbour.....	.....	3-32	.....	195	355	.....	.....	.....	.....	.....	.....	.....	.....	1915	.....	.....	49,790 75	"		
Tanger to Ship Harbour.....	65	3901	.....	131	392	.....	.....	.....	.....	.....	.....	.....	.....	2016	.....	.....	39,983 55	"		
West Side Ship Harbour to Clam Bay.....	390	2075	.....	30	299	.....	.....	.....	.....	.....	.....	.....	.....	1052	.....	.....	36,649 55	"		
East and West Jeddore.....	12	4575	.....	435	317	2000	.....	.....	.....	.....	.....	.....	.....	2505	.....	.....	35,371 90	"		
Musquodoboit Harbour to East Chez- zetcok.....	28	3559	.....	34	391	420	.....	.....	.....	.....	.....	.....	.....	1915	.....	.....	37,333 80	"		
West Chezzetcook to Lawrencetown.....	111	2869	.....	22	3	112	6000	.....	.....	.....	.....	.....	.....	1434	.....	.....	31,180 55	"		
Coal Harbour to Eastern Passage.....	60	1809	.....	45	305	8200	.....	.....	.....	.....	.....	.....	.....	927	.....	.....	15,672 60	"		
Total.....	912	47961	461	76	8670	4200	326020	.....	.....	.....	.....	.....	.....	24719	.....	.....	778,161 20			

RECAPITULATION—HALIFAX.

Kinds of Fish.	Quantities.	Rate.		Value.	
		\$	cts.	\$	cts.
Salmon	4 barrels at	15	00	60	00
do fresh in ice.....	57,856 lbs. "	0	15	8,678	40
do smoked.....	10,836 " "	0	15	1,625	40
do in cans.....	1,824 cans "	0	15	273	60
Mackerel	26,137 barrels "	10	00	261,370	00
do in cans	18,176 cans "	0	15	2,726	40
Herrings	19,535 barrels "	4	00	78,140	00
Alewives.....	912 " "	3	50	3,192	00
Cod	47,961 cwt. "	4	25	203,834	25
Cod Tongues and Sounds.....	461 barrels "	7	00	3,227	00
Pollack	76 cwt. "	3	50	266	00
Hake ?	8,670 " "	3	50	30,345	00
Haddock	4,200 " "	3	50	14,700	00
Halibut.....	328,020 lbs. "	0	06	19,561	20
Trout.....	11,300 " "	0	06	678	00
Smelt	31,700 " "	0	06	1,902	00
Eels	282 barrels "	9	00	2,538	00
Lobsters	859,844 cans "	0	15	128,976	60
Fish Oil	24,719 gallons "	0	65	16,067	35
Total.....				778,161	20

RETURN showing the Number, Tonnage and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, Smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15cts.	Herrings, barrels, at \$4.	Herrings, Smoked, in boxes, at 25 cts.
	Vessels.			Boats.			Nets.		Weirs.									
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.									Value.
<i>Hants.</i>					\$			\$		\$								
Maitland.....				6	200	12	1050	320					950					
Upper Selma.....				1	55	2	300	50		1	75		215					
Lower Selma.....										1	125		200					
Noel Shore.....										2	250							
Noel.....				3	150	6	700	140		3	200		500					
Burncoat.....				1	40	2	300	50		1	100							
Tennicappe.....				2	85	4	700	125		4	200							50
Walton.....				6	240	12	1875	440		6	150							210
Moose Brook.....				1	35	2	400	75		3	250							15
West Hants.....				17	850	25	4200	1344		4	400							400
Total.....				37	1655	65	9525	2544		25	1750		1865					675

RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.		Value.	
		\$	cts.	\$	cts.
Salmon, fresh, in ice.....	1,865 lbs. at	0	15	279	75
Herrings	675 brls. "	4	00	2,700	00
Cod.....	158 cwt. "	4	25	671	50
Haddock	82 " "	3	25	287	00

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

KINDS OF FISH.		FISH PRODUCTS.		VALUE.	WHERE MARKETED.
Alewives, barrels, at \$3.50.					
Cod, cwt., at \$4.25.	12			\$ 1,234 00	
Cod Tongues and Sounds, barrels, at \$7.00.	15			461 65	
Pollack, cwt., at \$3.50.	10			613 70	
Hake, cwt., at \$3.50.				720 00	
Haddock, cwt., at \$3.50.	12			2,824 05	
Halibut, lbs., at 6 cts.	4			485 70	
Shad, barrels, at \$3.				2,387 20	
Bass, lbs., at 6 cts.				5,380 50	
Trout, lbs., at 6 cts.				1,787 25	
Smelt, lbs., at 6 cts.				7,679 75	
Eels, barrels, at \$9.					
Oysters, barrels, at \$3.					
Lobsters, cans, at 15 cts.					
Fish Oil, gallons, at 65 cts.					
Fish Guano, tons, at \$15.					
Fish used as manure, bris., at 50 cts.					
				\$	cts.
				10	00
				11	65
				8	70
					00
				12	05
				8	70
				18	20
				25	50
				15	25
					75
	158			23,603	80

HANTS COUNTY.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Shad	2,247 bris. at	8 00	17,976 00
Bass	7,000 lbs. at	0 06	420 00
Smelts	20,000 " "	0 06	1,200 00
Fish Oil	107 gals. "	0 65	69 55
Total			\$23,603 80

	12	96	24	240	100	60	30	70	66						
Lake Outlet and Lake Esau.....															
Trout River.....	3	800	13	1200	90	1500	750								
Cheticamp Parish.....	3	72	18	2500	186	2500	1250								
Eastern Harbour.....								70							
Big Pond.....									66						
Big Cove.....															
Black Rock.....															
Friar Head.....															
Dussett's Cove.....									20						
Pleasant Bay.....									15						
Pollet's Cove.....															
N.E. Margaree.....															
Cheticamp.....									1176						
Totals.....	12	255	4260	67	732	19030	2081	61435	21984	140	1880	256	3170	9981	14910

RETURN showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, etc.—Nova Scotia—Continued.

DISTRICT.	KINDS OF FISH.											FISH PRODUCTS.			VALUE. \$ cts.	WHERE MARKED.
	Cod, cwt., at \$4.25.	Cod Tongues and Souds, brls., at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Hallibut, lbs., at 6 cts.	Shad, brls., at \$8.	Basa, lbs., at 6 cts.	Trot, lbs., at 6 cts.	Smelt, lbs., at 6 cts.	Bels, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15 cts.	Fish Oil, Gallons, at 65 cts.			Fish Guano, tons, at $15.	Fish used as Manure, barrels, at 50 cts.
<i>Inverness.</i>																
Port Hawkesbury.....	200	600		100					600	10				3500		78,001 00
Port Hastings.....		80		20					400	12				50		1,174 50
Low Point.....	3	70		17										12		983 30
Creignish.....	6	150		30										32		2,149 30
Long Point.....	200	200		60										50		2,577 50
Judique.....	240	300		60										70		3,035 50
Little Judique.....	300	300		250										250		5,192 50
Port Hood.....	5000	300		200										2000		65,410 00
Mabou.....	300	100		100										10		2,905 00
Whycomanah.....	100	100		100					1000	15				50		1,337 50
Room.....	250	10							400	5				100		2,786 50
Malagawatch.....	200								160	30				50		4,811 50
Basin R. Dennis.....	25								200	20				200		180 00
River Dennis.....									1000	20				80		3,810 00
North Mountain.....	300								50					20		2,134 00
West Bay.....	100								500	30				200		324 00
River Inhabitants.....																2,679 50
Delany's Cove.....	450			2	100				400	30				210		2,398 50
Pousett Cove.....	436			5	25									330		4,324 25
East Side Margaree Harbour.....	685			31	75									950		16,141 25
West Side do.....	781	5		43	436									26		1,787 90
Margaree Forks.....	50			4	13											84 00
Margaree River.....									400					170		7,083 50
Margaree Island.....	326			20	50	600								100		7,113 50
Flood Cove Marsh.....	340			19	56	10.0								70		2,380 00
Port Bann.....	220			14	45	550								90		37,403 50
Coal Mines, O.C.....	2894			3	8	200								30		1,570 75
Broad Cove.....	30			5					4500							

Lake Outlet and Lake Bain.....	150	550	50	1,003 00
Trout River.....	7500	4000	240 00	36,185 00
Cheticamp Parish.....	8750		41,754 50	10,264 00
Eastern Harbour.....	2000		3000	4,059 00
Rig Pond.....	900		4,500 00	2,910 00
Big Cove.....	900		6,830 00	915 00
Black Rock.....	900		360 00	
Friar Head.....	900		14,388 25	
Dusette Cove.....	600			
Pleasant Bay.....	1500			
Pollet's Cove.....	200			
N.E. Margaree.....	200	3500		
Cheticamp.....	1001			
Totals.....	2800	39377	15	388,052 25

RECAPITULATION—INVERNESS.

Kinds of Fish.	Quantities.	Rate.	Value.	Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$			\$ cts.	\$ cts.
Salmon.....	256 brls. at.....	15 00	3,840 00	Halibut.....	2,250 lbs. at.....	0 06	135 00
Salmon, fresh, in ice.....	3,170 lbs. ".....	15	475 50	Trout.....	11,950 do ".....	0 06	717 00
Mackerel.....	9,681 brls. ".....	10 00	96,810 00	Smelt.....	9,500 do ".....	0 06	570 00
Herrings.....	14,910 do ".....	4 00	59,640 00	Eels.....	212 brls. ".....	9 00	1,908 00
Alewives.....	2,800 do ".....	3 50	9,800 00	Oysters.....	525 do ".....	3 00	1,575 00
Cod.....	39,377 cwt. ".....	4 25	167,352 25	Lobsters.....	134,400 cans. ".....	0 15	20,160 00
Cod Tongues and Sounds.....	15 brls. ".....	7 00	105 00	Fish Oil.....	19,960 galls. ".....	0 65	12,974 00
Hake.....	652 cwt. ".....	3 50	2,282 00	Total.....			388,052 25
Haddock.....	1,917 do ".....	3 50	6,709 50				

RETURN showing the Number, Tonnage, and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs. at 15 cts.	Salmon, Smoked, lbs. at 15 cts.	Salmon, in cans, lbs. at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.	Herrings, Smoked, in boxes, at 25 cts.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.									Value.
<i>Kings.</i>			\$			\$			\$									
Starr's Point.....					40	3000	800											
Wolfville.....					6	12	1200	350										
Medford.....						30				7	700						25	930
Pereaux.....						36				9	900						364	6000
Oak Island.....						8	1500	300										
Hall's Harbour....	6	150	2400	25	300	40	1400	420	5	500		6000			25		2000	
Chipman Brook....					8	160	12	250	75	2	200							500
Black Rock.....					12	240	25			2	200							400
Harbourville.....	1	12	300		16	320	80	800	250	8	800		500					1500
Morden Bay.....										2	200							400
Baxter's Harbour.	17	425	6800		22	260	100	1500	300	2	200							1800
Scot's Bay.....						40	2000	1000										4200
Porter's Point....						14	800	240										
Little Island.....						6	900	300										
Gaspereaux.....												400						
Aylesford.....												500						
Cornwallis.....																		
Total.....	24	587	9500		89	1280	443	13350	4035	37	3700		7400		25		6989	11730

RECAPITULATION.—

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Salmon, fresh, in ice.....	7,400 lbs. at.....	0 15	1,110 00
Mackerel.....	25 bbls. ".....	10 00	250 00
Herring, in bbls.....	6,989 " ".....	4 00	27,956 00
do Smoked.....	11,730 boxes ".....	0 25	2,932 50
Cod.....	2,640 cwt. ".....	4 25	11,220 00
Pollack.....	1,870 " ".....	3 50	6,545 00
Haddock.....	4,700 " ".....	3 50	16,450 00

and Boats engaged in the Fisheries, &c.—Continued.

KINDS OF FISH.		FISH PRODUCTS.		VALU.	WHERE MARKETED.
Species	Price	Product	Price		
Alewives, brls., at \$3.50.					
Cod, cwt., at \$4.25.					
Cod Tongues and Sounds, barrels, at \$7.					
Pollack, cwt., at \$3.50.					
Hake, cwt., at \$3.50.					
Haddock, cwt., at \$3.50.					
Halibut, lbs., at 6 cts.					
Shad, barrels, at \$8.					
Bas, lbs., at 6 cts.					
Trout, lbs., at 6 cts.					
Smelt, lbs., at 6 cts.					
Eels, barrels, at \$9.					
Oysters, barrels, at \$3.					
Lobsters, cans, at 15 cts.					
Fish Oil, galls, at 65 cts.					
Fish Guano, tons, at \$15.					
Fish used as manure, barrels, at 50 cts.					
				\$ cts.	
			200	4,900 00	
			25	612 50	
			50	517 50	
			250	3,641 00	
			25	652 50	
500			1000	20,825 00	
160		2400	160	2,821 50	
80	70		100	2,450 00	
300			300	7,595 00	
100			100	2,105 00	
1500	1800	2300	2000	29,725 00	
			400	9,250 00	
			125	1,015 00	
			360	2,930 00	
			2000	180 00	
			400	99 00	
			500 6000	390 00	
2640	1870	4700	3660	3385	\$89,709 00

KINGS.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Shad.....	2,330 bbls. at.....	8 00	18,640 00
Trout.....	900 lbs. ".....	0 06	54 00
Smelt.....	8,000 " ".....	0 06	480 00
Fish Oil.....	3,660 gals. ".....	0 65	2,379 00
Fish Manure.....	3,385 bbls. ".....	0 50	1,692 50
Total.....			\$89,709 00

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

District.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				KINDS OF FISH.							
	Vessels.			Boats.			Nets.		Fish Traps.		Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15c.	Salmon, smoked, lbs., at 15c.	Salmon, in cans, lbs., at 15c.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15c.	Herrings, barrels, at \$4.	Herrings, smoked, in boxes, at 25c.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.									Value.
<i>Lunenburg.</i>																		
Lunenburg to Cross Island	46	2980	184000	600	340	\$ 13750	780	17000	22666	1	1200	100	50	2010	250	4100	.....
Mahone Bay to Murder Point and Islands.....	22	1320	61000	264	140	4200	280	6500	8636	.....	.....	150	100	1200	.....	3000	.....
Lahave River to Iron Bound Island.....	30	1780	89400	412	220	6600	440	15400	20538	.....	.....	1760	200	1800	.....	3300	.....
New Dublin to Lahave Islands.....	32	1920	89600	430	280	8400	560	13000	17332	.....	.....	1200	150	2000	50	4000	.....
Chester.....	3	160	10000	37	70	1050	140	1600	800	8	1500	7000	500	3012	4000	100	.....
Martin's River.....	5	220	14000	50	66	1000	132	1700	900	3	600	604	.....	250	.....	20	.....
Fox Point.....	.....	.....	.....	.....	30	450	60	800	400	10	2000	2688	.....	1400	.....	50	.....
Mill Cove.....	.....	.....	.....	.....	45	675	90	409	200	7	1400	716	40	2000	.....	100	.....
Lodge.....	.....	.....	.....	.....	15	225	30	1300	650	11	2200	75	.....	1650	.....	15	.....
North West Cove.....	.....	.....	.....	.....	32	460	64	4000	2000	7	1400	400	.....	1300	.....	70	.....
Aspotagan.....	1	25	800	5	40	600	80	1200	600	10	2000	300	.....	1000	.....	150	.....
Sandy Beaches.....	.....	.....	.....	.....	35	525	70	2600	1300	4	800	150	.....	1200	.....	350	.....

Blandford	20	250	50	40	.....	.....	.....	.....	.....	40	200	17,011 00
Little Taucocook	200	.....	100	150	.....	.....	.....	.....	.....	150	19	10,427 50
Big Taucocook	150	.....	.....	100	.....	.....	.....	.....	.....	90	50	23,806 00
Deep Cove .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	16,162 80
Iron Bound	100	.....	.....	125	.....	.....	.....	.....	.....	60	.....	18,919 50
Total	406	128875	115	11050	8402	21675	214000	23	14560	11600	220	152000	95097	150	1630	1,129,431 65

RECAPITULATION—LUNENBURG COUNTY.

Kinds of Fish.	Quantities.		Rate.	Value.
	\$	cis.		
Salmon, fresh, in ice	16,665 lbs.	at.....	0 15	2,499 75
" " smoked	1,040 "	"	0 15	156 00
Mackerel	25,022 barrels	"	10 00	250,220 00
" " in cans	4,300 cans	"	0 15	645 00
Herrings	19,655 barrels	"	4 00	78,620 00
Alewives	406 "	"	3 50	1,421 00
Cod	128,675 cwt.	"	4 25	546,868 75
Cod Tongues and Sounds	115 barrels	"	7 00	805 00
Pollack	11,050 cwt.	"	3 50	38,675 00
Hake	8,402 "	"	3 50	29,407 00
Haddock	21,675 "	"	3 50	75,862 50
Halibut	214,000 lbs.	"	0 06	12,840 00
" had	23 barrels	"	8 00	184 00
Trout	14,560 lbs.	"	0 06	873 60
Smelt	11,600 "	"	0 06	696 00
Bels	220 barrels	"	9 00	1,980 00
Fish Oil	95,097 gallons	"	0 65	61,813 05
Lobsters	152,000 cans	"	0 15	22,800 00
Fish Guano	150 tons	"	15 00	2,250 00
Fish as manure	1,630 barrels	"	0 50	815 00
Total				1,129,431 65

RETURN showing the Number, Tonnage and Value of Vessel

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.												
	Vessels.			Boats.			Nets.		Weirs.										
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels, at \$15.	Salmon, Fresh, in ice, lbs., at 15 cts.	Salmon, Smoked, lbs, at 15 cts.	Salmon, in cans, lbs, at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15c.	Herrings, barrels, at \$4.	Herrings, Smoked, in boxes, at 25 cts.
<i>Pictou.</i>			\$			\$			\$										
Pictou.....	2	55	1000	15	8	160	20	100	120							60		40	
Cariboo.....					11	185	23	165	190				900					60	
Toney River.....					4	80	9	140	165				700					55	
Cape John.....					10	175	25	300	349							10		105	
Pictou Island.....					15	380	34	700	265				1500			5		245	
Little Harbour.....					14	265	20	1680	980				17500					50	
Chance Harbour.....					10	100	14	1100	700				11000						
Big Island.....					7	105	12	1975	2300				21100			3		4	
North Beach.....					4	60	6	630	600				6200						
Ponds.....					6	70	14	1070	1450				9850			26		11	
Linsmore.....					7	85	18	1030	1400				9750			8		5	
Total.....	2	55	1000	15	96	1665	195	8890	8510				78500			112		575	

RECAPITULATION

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Salmon, fresh, in ice.....	78,500 lbs. at.....	0 15	11,775 00
Mackerel.....	112 brls. ".....	10 00	1,120 00
Herrings.....	575 " ".....	4 00	2,300 00
Ood.....	1,378 cwt ".....	4 25	5,856 50
Hake.....	238 " ".....	3 50	833 00
Haddock.....	35 " ".....	3 50	122 50

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, Smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 15 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.
	Vessels.			Boats.			Nets.		Weirs.							
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.							Value.
<i>Queens.</i>		\$			\$			\$	\$							
Liverpool	14	377	20365	91	37	1100	110	3850	2750			4328				1296
Port Medway	14	562	31000	120	31	731	62	2240	1208			4971				156
Port Mouton	8	240	9600	64	163	2452	240	3600	1800							747
Port Jolly					48	1800	72	100	50							
Port LeBert	1	30	900	8	19	460	22	120	60							
Coffin Island					14	235	30	740	365							100
Brooklyn					30	600	50	1400	700			2912				100
Eagle Head					12	240	24	440	160							12
Blue Berry					12	264	20	960	384							92
Pudding Pan					11	230	20	880	352							150
Mill's Village					67	421	62	1058	551			4500				
Ponhook					10	100	20					1425				
Milton					6	75	12	140	80			480				
Western Head					53	960	80	4000	1950							460
Moose Harbour					4	80	8	400	200							80
Black Point					12	240	24	600	260							40
Hunt's Point	1	15	500	5	16	720	31	640	320							40
Somerville					12	850	21	140	70							15
White Point					9	132	18	440	220							16
Total	38	1224	62365	288	566	11690	926	21748	11480			18616			3304	300

RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.		Value.	
		\$	cts.	\$	cts.
Salmon, fresh; in ice	18,616 lbs., at		15		2,792 40
Mackerel	3,304 barrels, "	10	00	33,040	00
"	300 cans, "		15		45 00
Herrings	9,986 barrels, "	4	00	39,944	00
Alewives	882 "	3	50	3,087	00
Cod	29,229 cwt., "	4	25	124,223	25
Pollack	351 "	3	50	1,228	50
Hake	430 "	3	50	1,505	00
Haddock	3,687 "	3	50	12,834	50
Halibut	24,100 lbs., "		06		1,446 00
Smelt	2,000 "		06		120 00

RETURN showing the Number, Tonnage, and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Salmon, brls., at \$15.	Salmon, fresh, in ice, lbs. at 15 cts.	Salmon, smoked, lbs, at 15 cts.	Salmon, in cans, lbs, at 15 cts	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.
	Vessels.			Boats.			Nets.		Weirs.							
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms	Value.	No.							Value.
<i>Richmond.</i>		\$			\$			\$	\$							
Fourchie	2	120	3600	18	70	2800	200	7000	2100							400
Framboise					17	306	40	2380	595							78
St. Esprit					8	320	18	1920	480							90
Larcherique					13	520	30	3640	1092							170
Grand River					30	1200	70	8400	2940							440
Point Machew					13	260	39	2600	1040							410
L'Ardoise	2	92	2000	13	138	3000	300	9550	4400		25					2370
St. Peter's Island					31	480	40	1480	780					10000		200
St. Peters	6	190	4750	40	46	700	92	8000	2000		10					1050
River Bourgeoise	25	700	1500	180	10	150	20	1500	500							55
Arichat	4	95	400	25	81	1600	150	4000	2000							400
Arichat West					90	1500	200	5000	2100							250
Petit de Grat	5	170	3100	35	80	1650	200	6000	2100		30	300				200
Cape Hogan					50	1000	80	3400	1300		15					20
Port Royal					12	240	24	800	400							30
Descousse	13	500	7500	110	10	400	20	2000	1000							\$150
Lower Degcousse	6	240	2400	50	5	100	10	1000	500							100
Polimand	4	130	2800	30	2	40	4	750	675							20
Port Richmond	1	25	600	5	15	200	20	3000	1500		250					100
Cape Le Rond					30	900	6	6000	3000							100
Lucky Bay					31	930	62	4000	2000			300				200
Little Antz					36	1080	80	2500	1200							150
Gros Nez					70	1300	140	5000	2500		15					200
Rivière Inhabitants and Basin	2	80	1600	10	40	700	60	8000	4000		10					250
Black River	1	30	1200	6	21	126	21	800	400							
Martinique and Len- nox Passage	1	30	400	5	3	100	6	600	300							
Total	72	2402	45360	527	952	21602	1989	99220	40902	355	600	10000	7433			

RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.	Value.
Salmon	355 brls. at	\$ 15 00	\$ 5,325 00
do fresh, in ice	600 lbs. "	0 15	90 00
do in cans	10,000 cans "	0 15	1 500 00
Mackerel	7,433 brls. "	10 00	74,330 00
Herrings	7,459 "	4 00	29,836 00
Alewives	357 "	3 50	1,249 50
Cod	28,875 cwt. "	4 25	122,718 75
Cod Tongues and Sounds	123 brls. "	7 00	861 00
Pollack	2 cwt. "	3 50	7 00
Hake	223 "	3 50	780 50

and Boats engaged in the Fisheries, &c.—Continued.

KINDS OF FISH.										FISH PRODUCTS.		VALUE.	WHERE MARKETED.							
Herring, brls., at \$4.	Herring, smoked, in boxes, at 25 cts.	Alewives, brls., at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues and Sounds brls., at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, lbs., at \$3.50.	Halibut, lbs., at 6 cts.	Shad, barrels, at \$8.	Bass, lbs., at 6 cts.	Trout, lbs., at 6 cts.			Smelt, lbs., at 6 cts.	Eels, barrels, at \$9.	Oyster, barrels, at \$3.	Lobster, cans, at 15 cts.	Fish Oil, gallons, at 65 cts.	Fish Guano, tons, at \$15.	Fish used as measure, barrels, at 50 cts.
400			3200													76000	1610		31,616 50	Halifax
150			320														153		2,839 45	"
250			170														80		2,674 50	"
274			275														130		4,049 25	"
920			200														90		8,988 50	"
310	10		410			15	310										200		8,385 00	"
1000	7		1200			8	4800										1900		51,262 50	"
170	15		320			50	520						10			97000	120		22,305 50	"
165			1910				310							20			850		21,125 00	"
55	25		7100	50			510	2200					10				2500		35,014 50	"
800	10		5000				1000									70080	1200		43,277 00	"
300	50		400				1000						4				250		9,273 50	"
400	20		2000	1	100		1600										1500		19,597 00	"
250			400				400										250		4,687 50	"
40	40		50				150					1000	20				150		1,675 00	"
100			4000	50			200									48000	400		27,410 00	"
125			1000	15				900									300		6,104 00	"
30			200	5			50	300					4				50		1,466 50	"
50	20		100	2	20		50	200					2				40		5,753 00	"
250			100				50							2			25		2,634 25	"
500			200	2	20		400										200		6,509 00	"
520			100				30										50		4,112 50	"
150	50		50				200										10		3,919 00	"
150	100		20			10	150				500	2000	50				20		4,858 00	"
50			50								400	1000	20						676 50	"
50	10		100				3				200	500	20						892 50	"
																			780 00	"
7459	357	28875	123	2	223	11733	3600				1100	4500	142	20	291080	13278			331,945 95	Halifax Quebec, United States and South America.

RICHMOND.

Kinds of Fish.	[Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Haddock	11,733 cwt. at	3 50	41,065 50
Halibut	3,600 lbs. "	0 06	216 00
Trout	1,100 lbs. "	0 06	66 00
Smelt,	4,500 " "	0 06	270 00
Eels	142 brls. "	9 00	1,278 00
Oysters	20 " "	3 00	60 00
Lobsters	291,080 cans "	0 15	43,662 00
Fish Oil	13,278 gals. "	0 65	8,630 70
Total			331,945 95

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.									
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.		Mackerel, barrels, at \$10.			
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, fresh, in ice, lbs. at 15 cts.	Salmon, Smoked, lbs. at 15 c.	Salmon, in cans, lbs., at 15 c.	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.
<i>Shelburne.</i>			\$			\$		\$		\$						
Jordan Bay.....	1	87	5000	16	20	1300	34	2500	800						100	200
West Side, Jordan Ferry.....	2	129	5000	27	25	750	70	2000	450		2				50	200
Wood's Harbour.....	6	205	5400	53	90	1000	110	3000	1000	5	4500				600	100
Shag Harbour.....	6	210	5500	60	50	1200	60	5000	1200						200	150
Bear Point.....	4	135	5800	42	30	600	50	4200	1500						100	200
West Barrington... Port Latour and Baccaro.....	20	484	12500	136	8	160	14	1800	600						40	40
Cape Island.....	2	100	5000	20	155	2600	158	8000	2800	1	1500				250	1000
Upper Port Latour.....	16	720	2400	180	100	6500	200	4000	1400	12	1000				130	300
Cape Negro and Blanche.....	8	309	13800	71	50	1250	90	3000	900						130	350
Port Clyde.....	3	140	4200	29	55	1500	110	3500	1200	2	2500				40	200
North-West Harb'r.....	2	120	24000	20	15	750	30	900	360						40	100
North-East Harb'our and Cape Negro Island.....	4	203	8000	49	8	280	24	480	160						10	50
Black Point and Red Head.....	1	30	700	7	13	530	25	1100	390	2	1200				30	50
Roseway and McNutt's Isl'd.....	1	45	1000	7	23	920	69	2900	830						20	200
West Shelburne.....					25	1800	75	2500	800						10	100
East Shelburne.....	1	59	2300	12	13	600	30	1560	500						20	100
Lockeport.....	12	585	18800	128	24	650	50	4000	1400						25	500
	23	1550	85000	290	38	3000	90	3000	1800						600	2500
Total.....	112	5111	204400	1157	742	25390	1289	53440	18690	22	19700	2			6395	6340

RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.	Value.
Salmon.....	2 brls.....	\$ 15 00	\$ 30 00
Mackerel.....	6,395 ".....	10 00	63,950 00
Herrings.....	6,340 ".....	4 00	25,360 00
Alewives.....	260 ".....	3 50	910 00
Cod.....	115,578 cwt.....	4 25	491,206 50
Cod Tongues and Sounds.....	10 brls.....	7 00	70 00
Pollack.....	3,320 cwt.....	3 50	11,620 00

Boats engaged in the Fisheries, &c.—Nova Scotia.—Continued.

KINDS OF FISH.		FISH PRODUCTS.		VALUE.	WHERE MARKETED.
Herrings, Smoked, in boxes, at 26 cts.					
Alewives, barrels, at \$3.50.					
Cod, cwt., at \$4.25.					
Cod Tongues and Sounds, brls., at \$7.					
Pollack, cwt., at \$3.50.					
Hake, cwt., at \$3.50.					
Haddock, cwt., at \$3.50.					
Halibut, lbs., at 6 cts.					
Shad, barrels, at \$3.					
Bass, lbs., at 6 cts.					
Trout, lbs., at 6 cts.					
Smelt, lbs., at 6 cts.					
Eels, barrels, at \$9.					
Oysters, barrels, \$3.					
Lobsters, cans, at 5 cts.					
Fish Oil, gallons, at 65 cts.					
Fish Guano, tons, at \$15.					
Fish used as manure, barrels, at 50 cts.					
				\$	cts.
30	3100	200	1000	16,325	00
	4500	150	1200	21,910	00
	1200	100	180	15,855	00
	3000	25	50	16,002	50
	2500	500	300	29,975	00
100	6800	180	200	32,440	00
30	3500	2000	1000	33,605	00
	12500	200	800	85,444	20
	7100	200	300	37,355	00
	000	90	1350	28,870	00
	2900		200	14,605	00
	2500		1000	15,205	00
	514		400	4,247	00
	1262		860	10,251	00
	1800	25	600	11,020	00
100	1500		150	8,175	00
	12902	10	400	68,263	50
	45000	150	150	239,550	00
				40,000	00
				23,000	00
260	115578	10 3320	150 8290 30000	752,098	20

SHELBURNE COUNTY.

Kinds of Fish.	Quantities.	Rate.	Value.
Hake	150 cwt	\$ 3 50	\$ 525 00
Haddock	8,290 "	3 50	29,015 00
Halibut	30,000 lbs	0 06	1,800 00
Eels	5 brls	9 00	45 00
Lobsters	450,328 cans	0 15	67,549 20
Fish Oil	56,950 gals	0 65	37,017 50
Amount of Fish consumed in County			23,000 00
Total			752,098 20

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, Smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 16 cts.	Mackerel, barrels, at \$10.	Mackerel, in cans, at 15 cts.	Herrings, barrels, at \$4.	Herrings, Smoked, in boxes, at 25 c.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.									Value.
<i>Victoria.</i>			\$			\$			\$	\$								
New Campbellton...	4	90	1200	16	25	500	50	800	400						70		200	
Great Bras d'Or.....	1	12	150	4	30	600	60	870	435						20		200	
Boularderie												6						
French River					13	260	26	300	150						15			
North Shore					12	240	24	300	150						20		90	
English Town.....	1	50	400	6	90	1800	180	4000	2200			11			300		64	
Grand Narrows					14	280	28	240	120								100	
North River												6						
Wreck Cove.....															11			
St. Ann's Bay.....												31					150	
Baddeck.....												6						
Bay St. Lawrence...					23	460	46	1290	387			13			45		82	
Aspy Bay	1	18	800	5	14	220	28	870	348			20			4		62	
White Point.....					43	1254	86	1530	459			8					40	
New Haven					14	280	28	1500	450								35	
Neil's Harbour.....					28	560	56	1610	483						40		100	
South Bay.....	1	15	400	5	60	1200	120	3920	1568			45			200		60	
Green Cove.....					15	300	30	1350	540			26			80		100	
Ingonish.....	2	30	1200	11	48	1200	96	2880	1312			36			180		190	
Total.....	10	215	4150	47	429	9154	858	21460	9002			218			1945		1383	

RECAPITULATION.—

Kinds of Fish.	Quantities.		Rate.	Value.
			\$ cts.	\$ cts.
Salmon.....	218	lbs., at.....	15 00	3,270 00
Mackerel.....	1,045	" ".....	10 00	10,450 00
Herrings.....	1,384	" ".....	4 00	5,532 00
Cod.....	24,032	cwt. ".....	4 25	102,136 00

Boats engaged in the Fisheries, etc.—Nova Scotia.—Continued.

KINDS OF FISH.										FISH PRO- DUCTS.	VALUR.	WHERE MARKETED.								
Alewives, barrels, at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues and Sound, brls., at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at 3.50	Haddock, lbs., at \$1.50.	Halibut, lbs., at 6 cts.	Shad, barrels, at \$8.	Bass, lbs., at 6 cts.	Trout, lbs., at 6 cts	Smelt, lbs., at 6 c.			Eels, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15 cts.	Fish Oil, gallons, at 65 cts.	Fish Guano, tons, at \$15.	Fish used as man- ure, brls., at 50 cts.	\$	cts.
.....	1080	2	.....	.....	258	.....	.....	.....	.....	.....	.....	.....	.....	500	.....	.....	.....	7,247	00	Halifax, N.S.
.....	950	.....	.....	.....	250	.....	.....	.....	.....	.....	.....	.....	.....	250	.....	.....	.....	6,165	00	do
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	150	00	do
.....	800	.....	.....	.....	100	.....	.....	.....	.....	.....	.....	.....	.....	120	.....	.....	.....	3,978	00	do
.....	260	.....	.....	.....	100	.....	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....	2,080	00	do
.....	991	.....	.....	.....	221	.....	.....	.....	.....	.....	.....	.....	.....	300	.....	.....	.....	8,601	25	do
.....	374	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....	2,054	50	do
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	90	00	do
.....	400	.....	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	100	.....	.....	.....	2,050	00	do
.....	.....	.....	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	.....	.....	1,272	50	do
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	300	.....	.....	.....	285	00	do
.....	2060	.....	.....	.....	84	.....	.....	.....	.....	.....	.....	.....	.....	1883	.....	.....	.....	11,245	95	do
.....	450	.....	.....	.....	24	.....	.....	.....	.....	.....	.....	.....	.....	200	.....	.....	.....	2,714	50	do
.....	2010	.....	.....	.....	125	.....	.....	.....	.....	.....	.....	.....	.....	1874	.....	.....	.....	10,478	10	do
.....	2100	.....	.....	.....	75	.....	.....	.....	.....	.....	.....	.....	.....	1782	.....	.....	.....	10,485	80	do
.....	2577	.....	.....	.....	100	.....	.....	.....	.....	.....	.....	.....	.....	2337	.....	.....	.....	13,621	30	do
.....	4900	.....	.....	.....	175	.....	.....	.....	.....	.....	.....	.....	.....	3500	.....	.....	.....	27,227	50	do
.....	1260	.....	.....	.....	150	.....	.....	.....	.....	.....	.....	.....	.....	694	.....	.....	.....	7,666	10	do
.....	3900	.....	.....	.....	208	.....	.....	.....	.....	.....	.....	.....	.....	3120	.....	.....	.....	22,071	00	do
.....	24032	2	.....	.....	1970	.....	.....	.....	.....	.....	.....	.....	.....	17210	.....	.....	.....	139,483	50	Halifax and Sydney.

VICTORIA.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$	\$
		cts.	cts.
Cod Tongues and Sounds	2 brls. at	7 00	14 00
Haddock	1,970 cwt. "	3 50	6,895 00
Fish Oil	17,210 gals. "	0 65	11,186 50
Total .....	.....	.....	139,483 50

Return showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

District.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.						KINDS OF FISH.									
	Vessels.			Boats.			Fathoms.	Nets.	No.	Value.	Weirs.	Value.	Salmon, barrels, at \$15.	Salmon, fresh, in ice, lbs., at 15 cts.	Salmon, Smoked, lbs., at 15 c.	Salmon, in cans, lbs., at 25 cts.	Mackerel, in cans, lbs., at 15 c.	Herrings, lbs. at \$4.	Herrings, Smo'd, in boxes, 15c.	Alewives, barrels, at \$3 50.	Cod, cwt., at \$4.25.	Cod Tongues and Sounds, barrels, at \$7.
	No.	Tonnage.	Value.	Men.	No.	Value.																
<i>Yarmouth.</i>																						
1 Bay Shore to Yarmouth Town.....	12	178	8850	72	50	5000	160	12000	8000	*15	30000	.....	.....	.....	.....	.....	.....	1735	.....	59	4170	43
2 Yarmouth Town.....	39	1500	63000	420	22	8500	84	3000	1800	*7	14000	.....	.....	.....	.....	.....	.....	136	.....	24390	78	
3 Chebogue.....	2	40	900	12	16	1000	42	1200	800	*1	2000	.....	.....	.....	.....	.....	.....	94	.....	.....	320	3
4 Little River.....	2	40	900	12	16	1000	42	1200	800	*1	2000	.....	.....	.....	.....	.....	.....	142	.....	10	284	3
5 Tusket Wedge.....	14	667	31000	199	20	900	68	5000	3000	*4	2800	.....	.....	.....	.....	.....	.....	938	.....	40	9830	32
6 Salmon River.....	1	30	800	4	40	250	50	4500	1750	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	580	75	2
7 Tusket.....	2	82	3500	30	140	2000	160	16000	6000	.....	.....	.....	.....	.....	.....	.....	.....	60	.....	924	1200	4
8 East River.....	2	65	2000	19	50	350	90	4006	2400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	183	.....	.....
9 East Lake and East Brook.....	5	248	9000	56	28	300	90	1600	800	.....	.....	.....	.....	.....	.....	.....	.....	150	.....	300	800	4
10 Argyle.....	3	140	8650	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	220	.....	180	2700	6
11 Argyle Sound.....	3	1794	114000	138	40	2000	90	8000	3200	*3	6000	.....	.....	.....	.....	.....	.....	250	.....	.....	3100	6
12 East and West Pubnico.....	105	4744	241700	1400	502	18100	934	58620	29325	32	56800	.....	.....	.....	.....	.....	.....	650	.....	50	33270	65
Total.....	105	4744	241700	1400	502	18100	934	58620	29325	32	56800	.....	.....	.....	.....	.....	.....	4374	.....	2317	80089	246

* Traps.

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

DISTRICT.	KINDS OF FISH.										FISH PRODUCTS.			WHERE MARKETED.			
	Pollock, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, lbs., at 6 cts.	Hallbut, lbe., at 6 cts.	Shad, barrels, at \$8.	Bas, lbs., at 6 cts.	Trout, lbs., at 6 cts.	Smelt, lbs., at 6 cts.	Reis, barrels, at \$9.	Oysters, barrels, at \$3.	Lobsters, cans, at 15 cts.	Fish Oil, gallons, at 65 cts.	Fish Guano, tons, at \$15 cts.		Fish used as manure, barrels, at 50 cts.	VALUE.	\$ cts.
<i>Yarmouth.</i>																	
1 Bay Shore to Yarmouth Town.....	2715	250	2575	42000	.....	.....	.....	.....	.....	.....	.....	5375	600	.....	77,342	25	Yarmouth and United States.
2 Yarmouth Town.....	1450	200	2615	4000	.....	.....	.....	.....	.....	.....	.....	9820	100	.....	130,919	00	United States and West Indies.
3 Cheboque.....	.....	.....	200	1200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,285	50	Yarmouth and Halifax.
4 Little River.....	50	.....	77	600	.....	.....	200	5	.....	130000	.....	142	.....	1800	23,460	80	do
5 Tusket Wedge.....	1255	.....	1985	6340	.....	.....	.....	.....	.....	.....	.....	6260	.....	.....	75,075	40	Yarmouth and West Indies.
6 Salmon River.....	25	.....	.....	.....	.....	.....	8000	20	.....	.....	.....	40	.....	.....	3,313	25	Yarmouth.
7 Tusket.....	130	.....	370	.....	.....	.....	20000	60	.....	.....	.....	700	.....	.....	13,869	00	do
8 East River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	775	60	do
9 East Lake and East Brook.....	80	.....	250	.....	.....	.....	.....	200	.....	.....	.....	375	.....	.....	8,288	75	do
10 Argyle.....	300	.....	300	.....	.....	.....	.....	20	.....	86400	.....	975	100	.....	32,200	75	do
11 Argyle Sound.....	.....	.....	700	2000	.....	.....	.....	10	.....	.....	.....	900	.....	.....	22,472	00	do
12 East and West Pubnico.....	1310	.....	6015	120000	.....	.....	.....	40	.....	.....	.....	13780	.....	.....	195,695	50	Lockeport and Halifax.
Total.....	7315	350	15147	176140	.....	2800	28200	355	.....	264400	.....	28517	820	1800	\$594,697	70	

Return showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

RECAPITULATION.—YARMOUTH.

Kinds of Fish.	Quantities.	Rate.	Value.
		\$ cts.	\$ cts.
Salmon, fresh, in ice.....	6,070 lbs. at.....	0 15	910 50
Mackerel.....	6,271 barrels "	10 00	62,710 00
Herrings.....	4,374 " "	4 00	17,496 00
Alewires.....	2,317 " "	3 50	8,109 50
Cod.....	80,089 cwt. "	4 25	340,378 25
Cod Tongues and Sounds.....	246 barrels "	7 00	1,722 00
Pollack.....	7,315 cwt. "	3 50	25,602 50
Hake.....	350 " "	3 50	1,225 00
Haddock.....	15,147 " "	3 50	53,014 50
Halibut.....	176,140 lbs. "	0 06	10,568 40
Trout.....	2,800 " "	0 06	168 00
Smelt.....	28,200 " "	0 06	1,692 00
Bals.....	355 barrels "	9 00	3,195 00
Lobsters.....	264,400 cans "	0 15	39,660 00
Fish Oil.....	38,517 gallons "	0 65	25,046 05
Fish Guano.....	820 tons "	15 00	12,300 00
Fish used as manure.....	1,800 barrels "	0 50	900 00
Total.....			\$694,697 70

RECAPITULATION showing the Total Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, Quantity and Value of Fishing Material, Kinds and Quantities of Fish, and the Total Number of Men employed, etc., in the Province of Nova Scotia, for the year 1879.

No.	COUNTRIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Kinds of Fish.								
		Vessels.			Boats.			Fathoms.	Nets.	Weirs.		Salmon, barrels, at \$15.	Salmon, fresh, in ice, for, at 15 cts.	Salmon, Smoked, lbs., at 15 cts.	Salmon, in cans, lbs., at 15 cts.	Mackerel, brgs., at \$10.	Mackerel, in cans, at 15c.	Herrings, brs., at \$4.	Herrings, Smoked in boxes, at 25 cts.	
		Tonnage.	Value.	Men.	No.	Value.	Men.			No.	Value.									No.	Value.
1	Annapolis	242	7450	79	225	3861	418	16130	8085	34	2150	2430	46160	2840	75	12385	12700			
2	Antigonish	3	1940	22	157	3440	380	16030	19390	.....	.....	.....	.....	.....	599	1183	1900		
3	Cumberland	2	50	12	8	1445	141	2165	1615	12	505	7	2100	.....	82	1307	1900		
4	Colchester	3	.....	.....	107	2676	238	16886	3667	45	16900	18	7260	.....	5	319	610		
5	Cape Breton	22	615	9300	144	630	1784	1610	49310	22007	95	760	2600	.....	4598	6927	.....		
6	Digby	86	2031	52450	529	242	16385	1246	20535	13230	40	7250	3484	75	3296	3415	5900			
7	Guysboro'	28	949	29200	181	1379	33359	2200	156810	74317	68	12600	12400	13375	8179	4224	12346			
8	Halifax	76	1876	68000	449	2183	80119	2703	24920	86780	472	85400	57856	10836	1824	26137	18446	19535		
9	Hants	12	555	4260	67	37	1655	65	9525	2544	25	1750	1865	.....	.....	.....	875	.....	
10	Inverness	24	587	9500	.....	732	29030	2081	61425	24384	140	1680	256	.....	9981	.....	14910	.....	
11	Kings	40	8453	445000	1818	1538	41330	3176	78450	81038	102	21700	16665	1040	25022	4300	19656	11730		
12	Lunenburg	2	53	1060	15	96	1665	195	8390	8510	.....	.....	78500	.....	112	875	.....	.....
13	Pictou	38	1224	62365	288	566	11690	926	21748	11480	.....	.....	18616	.....	3304	300	9986	.....	
14	Queens	72	2402	45350	537	852	21602	1986	99320	40902	.....	.....	600	10000	7433	7459	.....	.....
15	Richmond	112	6111	204460	1157	742	25380	1289	53440	16390	22	19700	.....	.....	6395	.....	6340	.....	.....
16	Shelburne	10	215	41500	47	429	9154	858	21460	5602	.....	.....	.....	.....	1045	.....	1383	.....	.....
17	Victoria	105	4744	241700	1400	502	18100	934	56620	29325	32	56800	6070	.....	5271	.....	4374	.....	.....
18	Yarmouth	745	28916	1190177	6721	10766	309165	20889	938824	458291	1029	230135	1091	271836	27826	17248	101559	27000	126763	32840
	Total																			

RECAPITULATION showing the Total Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova Scotia.—Concluded.

No	COUNTRY.	KINDS OF FISH.										FISH PRODUCTS.			VALUE. \$ cts.		
		Alewives, brls., at \$3.50.	Cod, cwt., at \$4.25.	Cod Tongues and Sounds barrels at \$7.	Pollack, cwt., at \$3.50.	Hake, cwt., at \$3.50.	Haddock, cwt., at \$3.50.	Halibut, lbs., at 6 cts.	Shad, barrels, at \$8.	Trout, lbs., at 6 cts.	Smelt, lbs., at 6 cts.	Eels, barrels, at \$9.	Oysters, barrels, at \$3.	LOBSTERS, cans, at 15c.		Fish Oil, galls., at 65c.	Fish Guano, tons, at \$15.	Fish used as manure, barrels, at 50 cts.
1	Annapolis	20	2525	960	3270	14930	26250	5	1500	1000	1000	95	150	119760	5175	3560	138,734 50
2	Antigonish	145	1338	455	340	65	8350	1030	1000	2200	9500	5	318	47400	397	37	43,737 75
3	Cumberland	1030	660	10	340	50	8350	5458	900	1000	7100	105	150000	105	2025	34,554 55	
4	Colchester	20	250	10	340	50	8350	5458	1000	1000	7100	105	150000	105	2025	70,898 25	
5	Cape Breton	142	30572	262	8402	5662	46040	4	5090	22100	182	34	48000	20987	28	247,963 85	
6	Digby	63	22862	82	9401	15007	23680	45	14500	15000	52	630	48000	20430	2025	340,292 85	
7	Guysboro'	200	21095	57	1862	8739	39000	9,700 lbs. Hake Sounds, at 65 cts.	10825	8000	86	430 brls. Squid, at \$1.	61638	13172	1,720 00	356,982 10	
8	Halifax	712	47961	461	76	4200	326020	2247	11300	31700	282	85984	24719	778,161 20	23,603 80	384,052 25	
9	Hants	158	39377	15	652	82	2250	2330	11950	9300	212	525	134400	19960	3385	89,709 00	
10	Inverness	2800	2640	1870	8402	4700	214000	23	900	8000	220	152000	95097	150	1630	1,129,431 65	
11	Kings	406	128675	115	11080	21675	24000	23	14560	11600	220	2000	80	148680	19508	256,970 35	
12	Lunenburg	1378	29229	351	430	3667	24100	35	850	2776	15	20	257	257	325	4,927 00	
13	Pictou	882	29229	351	430	3667	24100	35	850	2776	15	20	257	257	325	331,945 95	
14	Queens	357	28875	123	223	11733	36000	1970	1100	4500	142	20	291080	13278	729,093 00		
15	Richmond	260	115578	10	3320	150	8290	30000	2800	28200	356	5	264400	36317	1800	139,483 50	
16	Shelburne	2317	80089	246	7315	350	15147	176140	2800	28200	356	5	264400	36317	1800	594,697 70	
17	Victoria	24032	2	2	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	5,752,936 20
18	Yarmouth	9409	576101	1111	35019	41194	126542	917556	10400	77075	180970	1732	1067	3182276	351029	1091	12735
Total																	

GENERAL RECAPITULATION.

Kinds of Fish.	Quantities.	Rate.		Value.	
		\$	cts.	\$	cts.
Salmon.....	1,091 brls., at	15	00	16,365	00
do Fresh, in ice	271,836 lbs., "	0	15	40,775	40
do Smoked	27,826 " "	0	15	4,173	90
do in cans	17,248 cans, "	0	15	2,587	20
Mackerel.....	101,559 brls., "	10	00	1,015,590	00
do in cans.....	27,000 cans, "	0	15	4,050	00
Herrings.....	129,763 brls., "	4	00	519,052	00
do Smoked, in boxes.....	32,840 boxes, "	0	25	8,210	00
Alewives.....	9,409 brls., "	3	50	32,931	50
Cod.....	576,101 cwt., "	4	25	2,448,429	25
Cod Tongues and Sounds.....	1,111 brls., "	7	00	7,777	00
Pollack.....	35,019 cwt., "	3	50	122,566	50
Hake.....	41,194 " "	3	50	144,179	00
Haddock.....	126,542 " "	3	50	442,897	00
Halibut.....	917,550 lbs., "	0	06	55,053	00
Shad.....	11,142 brls., "	8	00	89,136	00
Bass.....	10,400 lbs., "	0	06	624	00
Trout.....	77,075 " "	0	06	4,624	50
Smelt.....	180,970 " "	0	06	10,858	20
Eels.....	1,732 brls., "	9	00	15,588	00
Oysters.....	1,067 " "	3	00	3,201	00
Lobsters.....	3,182,276 cans, "	0	15	477,341	40
Fish Oil.....	351,029 galls., "	0	65	228,168	85
Fish Guano.....	1,091 tons, "	15	00	16,365	00
Fish used as Manure.....	12,735 brls., "	0	50	6,362	50
Hake Sounds and Fresh Fish in Digby Co.....	.....	.....	.....	6,383	90
Fresh Fish, Albicore and Clams, in Queens Co.....	.....	.....	.....	4,927	00
Fish used in in Shelburne Co.....	.....	.....	.....	23,000	00
Squid, Guysboro' Co.....	.....	.....	.....	1,720	00
Total.....	.....	.....	.....	5,752,936	20

APPENDIX No. 12.

SYNOPSIS OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF
NOVA SCOTIA, FOR THE YEAR 1879.

ANNAPOLIS COUNTY.

W. T. CARTY, *Overseer.*

No report received from this officer.

ANTIGONISH.

JOHN McDONALD, *Overseer.*

I herewith beg to make my report for the County of Antigonish, concerning the fishing season just terminated.

As regards the quantity of fish caught, compared with the preceding year, I regret to say that there has been a large decrease. My returns show an increase of salmon; but yet I know that the increase is only apparent, as all the fishermen have assured me that they caught less this year than last.

The falling off in the catch of hake and cod is due to fewer vessels being engaged in the fishery, and also, in the opinion of the fishermen, to the system of trawling which has been very much practiced of late years. The hake and cod seemed to avoid the trawls, as they never before had to be sought in such deep water. The mackerel were abundant, but of such an inferior quality that the fishermen did not consider it profitable to catch many more than sufficed for bait.

In reference to abuses, I have little to report. Attempts were made to catch salmon during the close season, but the parties being masked, it was impossible to identify them. I received information that lobsters were being caught at Tracadie and Harbour Bouche during close season, but on visiting those places failed to establish the truth of it.

The wardens, I have found zealous and efficient, with one exception that occurred on Lower South River. From information received I believe the warden there was not sufficiently vigilant. I visited him and charged him with remissness, on the strength of the information received, and in reply received no satisfactory explanation.

During July I made a general inspection of the County and found all the fishways in good condition, except the one at Fraser's Mills, S. River.

The E. E. Railway crosses the South River at its junction with Antigonish Harbour; on account of this the river at that spot has been contracted to very narrow limits, so that, one net there might easily destroy the entire fishery on that river. I therefore recommend that a person be appointed to guard this place, as it is not within the district of any of the present wardens.

As to sawdust injuring the fisheries, I believe it is only imaginary. Some conceive that it does, but I seldom meet any who can give any tangible reasons. I know that, years ago, when saw-mills were far more numerous on our streams than now, and much greater quantities of sawdust were deposited into them, the fish were very plentiful—much more so, indeed, than at present.

Immediately after my appointment as overseer I was called upon to settle some disputes about salmon fishing berths, between parties at Lakevale. Although these disputes had been existing for some years back, I am happy to say that I succeeded in effecting a satisfactory arrangement.

Owing to the absence of the usual fall-freshets, less fish than common have been observed ascending the rivers the past season, although great numbers had been seen in the estuaries.

CAPE BRETON COUNTY.

ALEX. McDONALD, *Overseer.*

I have to state that the yield of fish in my district is greater than that of last year, although there was a falling off in two branches of the industry, viz: the herring and salmon. The cause of the decrease in these branches, was their scarcity on the coast.

There would have been more codfish taken in some sections of the district, but for the scarcity of bait in the early part of the season. Herring are the earliest bait, that can be obtained on this coast, so that their failure was felt very much in the use of bait.

The lobster factories that were in operation for the last few years, in this district, are closed up this season, thereby throwing many hands out of employment, who would, otherwise, have been engaged.

There are no fish ladders in any part of my district, from the fact that there are mills on any important rivers, that fish frequent.

The only abuse that exists in this district is among the salmon fishermen. When they understand that they must obtain licences hereafter, for salmon fishing, on the coast, as well as in the bays, they contend that the injuries they receive from the storms of the Atlantic, &c, which often end in the destruction of their salmon fishing gear, is enough to stand without imposing any further rental on them. Therefore they decline applying for any license until such time as I would be able to name to them the fee.

FRANCIS QUINAN, *Overseer.*

In submitting my report for the season just closing, I regret in having to say that the sum total, as shewn in statistics, falls short of that of last year.

The decrease for the past year, owes itself entirely to the failure on our shores of herring and salmon. Our cod fisheries have been prosecuted with more than usual vigor, many having engaged in that line of business owing to the depression in our coal trade.

In regard to our salmon fisheries, many of our fishermen, who formerly devoted a great portion of their time to it, have not prosecuted it this year, having found out that it entailed considerable expense, and very little profit. More of their time is now taken up in the cod fisheries.

The abuse which formerly existed, and does yet to a certain extent, is the throwing of offal overboard. I am happy to say that during the past season, the abuse has been more keenly watched, which has tended, in a great measure, to have the law respected in that regard. I would earnestly recommend that a warden be appointed in Glace and Cow Bays, in order that the law may be strictly enforced.

In regard to the close season, I am happy to state, that the law in that respect has been closely observed.

In respect to the ill effects of saw-dust in our rivers, I may say, from information gained from those interested in the salmon fisheries, that it is the prevailing opinion that where sawdust is allowed to gather, it prevents the fish from ascending, and, consequently, they are prevented from getting to their natural spawning ground.

I have made it a constant practice to attend to our mills and fish ladders, and feel a pleasure in saying that no such sawdust obstruction exists.

COLCHESTER.

R. J. POLLACK, *Overseer.*

The smelts, our earliest fish, put in their appearance on the 25th April, the river was very low for the season, and not so many were caught as usual—about 100 bushels, which were principally used for home consumption.

Salmon were very scarce, the first of the season, about 150 is all I can learn of being caught, which is a small increase over last year. The causes of the small catch of early salmon are, in my opinion, a less vigorous prosecution of the fishing, the low water, and the great quantity of mud. As soon as high water comes, there is always the appearance of abundance of salmon. The close season has been well observed, with one exception, the party is convicted and will be dealt with according to law.

There is but one fishway in my district, at Graham's Mill, on Little River. Mr. Graham tells me the salmon go through it without difficulty, he has seen four and five at the top of this ladder at one time.

I can see no injurious effect from sawdust in Little River—there are no other mills on the rivers in my district.

J. W. DAVIDSON, *Overseer.*

While I have but little that is new or interesting to record, I have the encouraging fact to state that our catch of shad this season has far exceeded that of any previous year during my term of office. This remark applies almost exclusively to the catch by the drift nets, while the number of these was smaller than in some years previous. The catch, per net, was larger, in an average, than ever before known.

There has been quite a falling off in the catch of salmon, compared with 1878, while fully double as many codfish have been taken. I can assign no reason for the falling off in the former. Salmon fishing is not followed in this district, as a business. Those taken are accidentally caught in the shad nets, which are not suited for salmon fishing.

The superior quality of the shad taken, this year, is also worthy of notice. They were much fatter, and better flavored, than for years past. This is generally the case in a year in which the catch is proportionately larger by the drift nets than in the weirs, for the reason that when the fish are of a good quality they keep, as a rule, more in deep water, not requiring to resort to the flats so frequently, which is presumed to be their principal feeding ground; which circumstance gives the boat fishermen a superior chance. Over 3000 brls. were taken this season in the drift nets, while the catch in the weirs was considered a fair one, exceeding 2000 brls.

I consider it a good indication that an unusually large number of small shad appeared this season, which, if allowed to escape, would, no doubt, favourably effect the catch for the incoming year, but I regret to state that immense quantities of them are annually destroyed, and in some instances have been carted up, and used as manure; a circumstance very much to be deplored, as the shad is the principal fish caught in our waters.

This destruction of small fish is occasioned by the use of brush weirs. Some have proposed a remedy for this in the shape of a net placed in the bosom of the weir. This, however, would only be a partial cure, as the shad, being a very shy fish would keep at a distance from the net until the water became shoal, when the large fish would soon fill up the meshes, preventing the escape of the smaller ones. The nets, for sweeping the weirs, might be so constructed as to allow quite a number of small shad to pass through. This, however, would be of no benefit in cases where the weirs are left dry at low water, which often occurs in high tides. It is a question whether these brush weirs should be allowed to exist without some further restrictions. It would, doubtless, be a severe hardship to have them abolished. The owners

would feel greatly aggrieved at such a course, as they have enjoyed the privilege for over half a century and it is highly valued, as no cash expenditure is required for them, while they are the source of considerable wealth. The returns show a large increase in the number of weirs this year, there being ten more than reported in 1878, in all forty five (45), aggregating, in length, about 27 miles, being about 6 miles more than last year. This will serve to show the propriety of allowing the weirs to increase, is questionable: as, eventually, they will almost entirely prevent the fish from frequenting the flats to feed.

I have estimated that the home consumption of fish, in this district, is about as follows: shad, 30,000 lbs.; salmon, 3,000 lbs.; codfish, 20,000; herring, 10,000 lbs.

There are seven fish ladders in this district, one of which was built during the past summer, on Economy River. Two of the old ones have been repaired, one on Economy River, and the other on East River, Five Islands; all of which have been kept open during the season.

In reference to the effect of sawdust, on our river fisheries, I think it not out of place to remark that I do not believe that it does any injury in rapid running streams, such as we have throughout this district. I have never seen nor heard of its being found about any salmon. Such a thing as water thick with sawdust and rubbish is never seen here as the rapid current keeps the streams clear. The salmon generally head up stream, and the current meeting them, together with the construction of their gills, makes it highly improbable if not impossible that any sawdust could adhere to them.

HENDERSON GASS, *Overseer.*

I have reason to believe that salmon have not been as plentiful in our rivers this season as last, but I would not like to venture a statement, at present, as to what may have led to this.

For the first time fishermen have set in our bay previous to the 15th August, and although late in commencing, their success was, to say the least of it, encouraging, and I have no doubt will be followed up with better results, in future.

I find the fish ladder on, Waugh's River, in good order, and from enquiring, learn that quite a number of salmon ascend the river above the Balfour mill dam, but whether they do not fall an easier prey to poachers, and less of their spawn matures, after getting up into the small streams, is a question upon which I will be better able to give an opinion next season.

No cases of violation of the law have come under my notice since the receipt of my commission, although I am aware that spearing is still carried on in Waugh's River, from the fact that salmon have been found on the shore, in the neighbourhood of this village, evidently having died from spear wounds.

There is one lobster factory in this district, which I visited a few days ago and received the statements which will be found in my return.

There are a number of boats, belonging to this district occasionally engaged in the cod and herring fishing, but without any very great result—the catch being exclusively for home consumption.

HENRY BLAIR, *Overseer.*

Shad have been very fine and very plentiful in the Bay of Fundy, a large increase over last year. Salmon have been very scarce and small. After the nets were done drifting in the bay, there were three fine runs of salmon up the North and Salmon Rivers, in September, October and November. The river was in fine condition for them to get up to their spawning beds.

I have no fines to report. I have not found a single violation of the law. There should be a warden up the North River. I spent five nights there and got others to watch.

With regard to sawdust I have been watching the habits of salmon for thirty years and have never seen sawdust lodge where salmon would spawn. Many will tell you, sawdust kills fish; but I have never found any who saw fish killed in that way. If we can keep all other mill rubbish out, (and I think we can) we can get along.

Respecting fishways, there are none in my division, but there should be at least three, one at Green's Creek, on the Shubenacadic River, for alewives, and two on the Salmon River, about which I wrote to the Department, last summer.

CUMBERLAND COUNTY.

JAMES KING, *Overseer.*

Fishing this season around the head of the bay has been very fair. The shad came, in the early part of the season, very plentiful, then slackened off; later in the season they came again, thus making a very good catch.

Salmon were very scarce until late, when they appeared to be going into the rivers to spawn, in fair quantities, consequently the catch this season is small.

Line fishing was a fair average, this season.

Herring were as plentiful as usual, but owing to damage being done to two large weirs by storm, about the middle of the season, and the owners not rebuilding them, makes a large decrease in the catch.

The fishways are in a fair state of repair, and the streams, leading to spawning grounds, have been well attended to, and alewives have got to their natural spawning grounds in large quantities.

As regards sawdust, as having any injurious effect upon the quality or quantity of fish, all I can say is that I was connected with the fishing, around the head of the Bay of Fundy, from 1839 to 1865; shad, salmon and alewives are the principal fish that frequent these waters; during the last 40 years the sawdust increased 150 p. c., and for the last five years salmon have been more plentiful than in any other such period in the 40 years.

In the year 1840, there were about 400 fathoms of nets set for shad, and the average catch to the fathom, was $1\frac{1}{2}$ brls., since that time the number of fathoms has increased to over 1,100, with a catch of about 800 brls. yearly, making the average about $\frac{2}{3}$ of brl. to the fathom.

Alewives, 10 years ago, were very scarce, having been shut out from their spawning grounds by different obstructions, which, to a great extent, have been removed, within the last few years, under the "Fisheries Act." The catch of the present year shows these fish to be as plentiful as in any year within the last 30.

I have asked the fishermen to report to me any cases of sawdust they could find, either in the gills or intestines of the fish, and only two cases of sawdust in the intestines were reported. In my district, sawdust has largely increased of late years, but is carried out into the Minas Basin, by the current; and for 40 miles on this coast, from the Isle of Hunt to the Five Islands, herrings are as plentiful as ever.

Pollack and hake, have not diminished, for any length of time, on this shore.

Cod, 30 years ago, yielded some 5,000 or 6,000 cwts.; 20 years ago, trawls began to be used, by transient fishermen, who camped on the shore, and threw their offal into the water, which soon reduced the cod fishing to be an unprofitable business, for any party to invest money or labor in: so the trawlers left our shore and our own men had to seek other employment. Within the last 10 years, our men are catching some cod, yet the number of fishermen does not increase with the increase of fish, which is about 20 p. c. All this time sawdust increased in this locality.

Trawlers, in the Basin of Minas, seem to have injured the fishery more than all the sawdust, not by fish which were caught, but the fish and offal that the trawlers threw overboard—fouling the water and driving all kinds of fish from our shores.

N. B. BLAIR, *Overseer.*

There has been a considerable falling off in the catch of most kinds of fish, in this section, from lack of effort to catch them; but little preparation was made for netting mackerel, those taken were nearly all caught with the hook and line.

The lobster catch was small, owing to the failure in the canning business here, last year. But little trapping has been done this season, and nearly all the lobsters taken were consumed by the catchers. Preparations are being made, in Pugwash, to do a large business in lobster canning next season. Many small oysters were taken from the Pugwash river last year, which accounts for the falling off in the catch this year; they have not been fished in River Phillip, as formerly, and are increasing there.

Alewives were quite plenty in Tidnish, Shinnimicas, River Phillip and Pugwash Rivers, but are not highly valued for home consumption, those taken were principally marketed in the West Indies.

Large quantities of "frost fish" frequent the Shinnimicas Rivers, those caught are used for manure and feeding fowls, and hogs etc.

Smelts frequent River Phillip and Shinnimicas, in abundance, but little effort is made to catch many.

Some salmon poaching has been done, owing to there being no Overseer in this section during the close season; the wardens, however, seized some nets and partly broke up the poaching. Young, or small salmon, were seen in the River Phillip, of an unusual quantity, this season, supposed to be the result of Mr. A. B. Wilmot's labours, although he did not take as many here this year as last, yet I believe the fish were more plenty. Just after the fish entered the river, the heavy freshet, apparently, drove them back to the salt water. The freshets disturb the deposits of sawdust, from Spring and Summer sawing, until the water is fairly thickened with it. This is a great hindrance to the fish going up those rivers. If there could be any way provided for the disposal of sawdust, and keep it out of the rivers, there is no doubt but that good would result therefrom.

The new fishway in the dam, at the Oxford Woolen Mills, is a success, some salmon have been known to go through it, but the one at the Thompson Mill, further up the river, is not in good working order.

The fishing done with boats, along the shores, is principally done by farmers, who take but little trouble to fit out properly, and, therefore, attend to it but a small portion of the time. Yet, in some sections, they are well rewarded for their labour, and would feel it keenly, were they deprived of the privilege they now enjoy.

DIGBY COUNTY.

J. H. MOREHOUSE, *Overseer.*

I am glad that, notwithstanding the dense fogs and high winds, with which our fishermen have had to contend, this season, to report a decided increase over last year in our deep sea fisheries.

For many years fish have not been so abundant, on our coast, as during the present season. Prices, too, have ruled higher than for several years; while all the necessaries of life have been abundant, and, consequently cheap.

The mackerel fishery, at St. Mary's Bay, has not yielded as largely as we were led to hope, in the early part of the season, owing to the high winds, and the recklessness of some, who persist in throwing the offal from their fish into the shallow waters of this Bay. I know of no way of preventing this nuisance, but the presence of an armed vessel during the fishing season, say, from the first of July to the last of September. The catch, however, will be a fair one, notwithstanding these adverse circumstances.

The shad fishery, at the head of the Bay, once so valuable, is now well nigh extinct; as only some forty barrels were taken this season. This fishery seems peculiar,

the fish are taken in salt water, in brush weirs. There is no river, and but two creeks of small size that empty fresh water into the Bay at this locality. While the theory is no doubt true, that the shad of our coasts, are natives of more western waters, facts demonstrate that, here, at least, is an exception. There appears to be two distinct schools of these fish, that enter this Bay, the first in April. These are poor and full of spawn, and during their stay everything to which spawn will adhere, is covered with it. These are succeeded by what appears to be another school, about the middle of June. The latter are very fine, but destitute of spawn. Now it is evident that to destroy the first run of spawn fish, is to destroy this fishery. This fact was early pointed out to me, by an intelligent gentleman, residing at this locality, consequently I have, for several years, recommended the restriction of weir building until after the first of June, in each year, with the object of affording protection to these fish during the spawning season.

The continued failure of the Digby herring fishery, is still a difficult problem to solve. The fishermen believe it to be due to the large quantities of sawdust from the mills of Bear River. They think the water polluted, or in some way rendered obnoxious to these fish, by the dust passing out of Digby Gut to the sea, and, meeting the fish, prevents their entering the Basin. But opinions are only valuable as they are sustained by sound argument, essentials which we fail to see in these opinions. It is notorious that salmon, shad, gaspereaux, trout, and other varieties of fish, not only visit waters polluted by sawdust, but luxuriate in it. I have seen schools of young fish, from two to three inches in length lying on beds of sawdust, covered by about a foot of water. The herring may be an exception: if so, facts should be advanced in proof. That the sawdust does not hinder the entrance of these fish, into the Basin, will be seen by the following indisputable facts.

For several years, prior to that of 1876, the fisheries in the Annapolis part of the Basin were very productive; while at the same time the mills of Bear River were pouring in their usual quantities of sawdust, all of which found its way to the sea, as now. This year I prevailed upon the lumbermen to keep the dust from the river, but so far without any beneficial results to the fisheries. I am, therefore, compelled to look, for this continued cause of failure, in another direction. In my opinion, the cause is sufficiently obvious, in the wholesale destruction of the young fish, which has been practised for years. So blind have the people been to the importance of protecting these, that it is with the greatest difficulty I am able to enforce the law requiring the free passage of fish, during the hours of the Sabbath, while, in the county of Annapolis, I am informed the enforcement of this law has never been attempted. The wonder, therefore, is not that the fishery is destroyed, but that it has continued to exist under this merciless, unceasing war.

Two lobster factories were burned this last spring, in my district, and probably will not be rebuilt; still, about 20,000 of these fish have been taken and sold in the shell, their value is about \$1,000. It is probable this trade will be considerably extended next spring along the line of railway.

A new enterprise was started in Digby, late this season, for canning finnan haddies, which promises to be a paying business. The fish, so prepared, are excellent, and will be transported to any climate. Already two establishments are ready for operation in the spring.

Hake sounds are now forming an important article of trade, 4,500 lbs. of these sounds, were taken this season in this district alone, and sold for \$1 per lb.

It is very difficult to ascertain, with any degree of certainty, the exact amount of fish used for home consumption. The inhabitants of Ceare are large fish consumers, while, among the English inhabitants of the county, much less is used. I think, however, that in my part of the county, fully one seventh part of the catch is used for home consumption.

The fishways at Grand Ruisseau, and I think two or three at Grose Coques, will have to be replaced next season.

GUYSBOROUGH.

JAMES A. TORY, *Overseer.*

In the statistical return, you will see there has been a large deficiency in the total fisheries, when compared with last year. This is owing to the amended regulation in lobster fishing, which has diminished the total value of that fishery from \$143,396 to 51,957. Although the difference of \$91,439, is large, and must have had a material effect upon those engaged in that fishery, I am still of the opinion that, in the end, (if the regulation is continued a few years) the result will prove to be beneficial to both the fishery and the people engaged therein, as it was impossible for that branch of the fishery to withstand the strain that was upon it.

The catch of salmon, herring and alewives is short of last year to a small extent; but mackerel, codfish, haddock, hake and oil have made up that deficiency, and covered the loss on lobsters to the extent of \$64,689, when compared with last year.

The first part of the season bid fair to be a prosperous one in the fisheries, but the latter was broken up by gales of wind, which caused great loss to the fishermen, in boats, nets &c., besides breaking up their voyages, which now leaves many of them in a destitute condition for the Winter.

I would here beg have to call attention to the Order in Council, of the 4th October, respecting the prohibition of the use of trawls, in the waters of Chedabucto Bay. This order, if continued, and carried into effect, (which will be almost impossible to do) will have a tendency to impoverish and finally starve out a number of fishermen, who solely make their living by that mode of fishing, and it is unjust to them to be so deprived, while it allows trawls to be set west and across the entrance of the Bay, thereby forelaying and catching the fish that would enter therein, and be caught by those persons now restricted to the hook and line. That order requires amendment. Trawl fishing should either be general, and open to all, or wholly prohibited, on the coasts of the Dominion. If that could be done, I believe it would be the most productive for good. But can it be done, or would it be judicious to make, or carry out such a regulation, within the shore line, or distance of three miles off the coast, while foreigners and a large portion of our own people can and will, fish with trawls, outside of that limit.

I would also beg leave to bring to your notice that Clam Harbour River and Hughes' Brook, at the Intervale, are both resorted to by salmon and other fish, during the spawning season, but are obstructed by a natural fall, over which fish cannot pass. This can be removed at a small expenditure of about \$100, which would make those streams important in the propagation of young fish. Below those obstructions, the streams pass through cultivated land, which has caused the pools, in which the fish resorted, to fill up, and there is, now, no protection for them. The other portions of the rivers have become much shoaler, and the ice destroys the beds of spawn. If the obstructions were removed, fish would ascend to the several lakes from which those rivers flow, and they, with their production, be preserved, where now it is destroyed.

Mill dams, sawdust, and fishways are scarce articles, in this portion of the county and of so little importance, to the fisheries of the district, that they are scarcely worthy of note; but, at the same time, I must report that I have not heard of any complaints respecting them. I would also inform you that the fishway you built in Chisholm's dam has answered the purpose for which it was built, fish having passed through it. The stream, below the mill, to O'Neil's Lake, should be cleared of its obstructions.

I am at a loss to give an accurate reply to the question "respecting home consumption," but so far as I have obtained information, and my own judgment leads me, I would estimate it at about one eighth of the whole value.

ALLEN McQUARRIE, *Overseer.*

There is a considerable decrease, when compared with 1878, in the value and yield of the products of this year in the district of St. Mary.

The falling off, in lobsters, is very largely owing to the Order in Council, of the 13th March, which makes the close season so much longer that the factories had to close up before they were ready. There will probably be some petitioning this winter, against the Act, but I would recommend that the law continue in force. The great majority approve of it, although a few deeply interested, in the present, may demur.

The catch of herring appears to be only about one third of last year's, but the fishermen and traders, who assisted me in making up the returns, will not admit the decrease to be so great as appears from last year's account. Loud complaints are being made against vessels, from a distance, coming close in on the herring grounds and fishing with net and trawl, Sunday and Monday, as long as the school lasts.

Trout fishing is excellent sport in many places, and when the foul practice of catching them in nets, after night, is entirely stopped, they will increase in size and numbers, as they have many favorite resorts.

The catch of salmon, this season, has fallen far short of the usual average. Fishermen are strongly of the opinion, and so am I, that the lobster factory, at the mouth of St Mary's River, and all the traps scattered promiscuously along the estuary, being continually disturbed and fished, and also what offal and gurry must, unavoidably, get into the water from the factory, have a tendency to drive the fish back, and prevent them from coming into the river as usual. I would recommend that no canning establishments be allowed to be erected at the mouth of any river, frequented by fish, and if it were not so expensive to the owner, I would be much pleased to see this one removed to some more suitable locality.

Other kinds of fish have been about an average catch. The fishing industry is not prosecuted as vigorously as it should be to insure success. I have visited nearly all the fishermen of the district, in connection with the licensing of salmon berths. Many say they will make no application for their berths, and endeavour to convince themselves and others, that the Department has no right to charge a fee for a privilege they always enjoyed; besides, there are a few very choice stations which they want set up at auction. Many of the berths are poor, and will not remunerate the owner for his trouble. It will require some time to reconcile them to the new system.

I have also visited Ecum Secum River, famous for trout and salmon of a superior quality, and I learned, from the best available source, that poaching of the worst kind was practised here with impunity at the head of the tide and still water. I found the dam of an old saw mill in a very forward state of decay, but sufficiently strong to hinder any fish from ascending to the beautiful river and lakes above. After some hesitation, I authorized Mr. Edw. McIntosh, Postmaster, who accompanied me, to clear away a pass, at the east end of the dam, which had partially given way already, and would strongly press the Department to appoint him warden of Ecum Secum, from county line, on the west, to Spanish Bay; as there is no place that I know of that more requires a vigilant officer, because the temptations and facilities for poaching are so very enticing.

The close seasons have been carefully observed in the greater portion of the district, but Ecum Secum was notoriously an exception. The lobster factories paid every attention to the Order in Council of March 13th.

I have visited the fishways at McKeen's Brook, and the head of Indian Harbor Lake, built under the inspection of Mr. Rogers. They are both in good order, and well adapted for their purpose.

Wm. Pride, Esq., warden from Stopper Rock to Wine Harbour, a distance of twelve miles, is not able to undertake all the work for his salary. He is a faithful, diligent, and sharp officer, doing about double the work of any warden in the district,

and ought at least to have twenty dollars more added to his salary. His place will be difficult to fill, should he resign, as he sometimes talks of doing.

I cannot help recommending that a warden be appointed at Indian Harbor, to look after the fishing interests of that district, more especially the brook passing by a narrow channel through a heavy beach, thrown up by storms, between the harbour and the lake above. This stream becomes obstructed with rocks and gravel, from the wash of every heavy storm, from the south, and remains so for weeks, until the water rises five or six feet in the lake above and forces a passage through, in the meantime the connection, between the waters, is entirely cut off, and fish can neither pass nor repass making all the other machinery of protection unoperative for a time.

I have no fines or forfeitures to remit, and no violations to report, except as above.

HALIFAX COUNTY.

WM. ANDERSON, *Overseer.*

I have much pleasure in being able to report a slight increase in the catch of fish the past season. I regret the price has not met the expectations of the fishermen. Still with the exception of a few who are not able to procure outfits, and have been depending on late lobster fishing, there is very little to find fault with.

The trap net, at Beaver Harbour, has proved a failure, the parties only caught three hundred and twenty-three barrels of mackerel, and seventeen of herring; they do not intend to renew their application.

The fishway at Mooseland Mills, on the Tangier River, is a grand success, constructed entirely of wood, under the mill, and runs up over thirty feet into the dam. Quite a number of persons were present, and witnessed the ascent of salmon, on the first rise of water. I have letters, and have seen some of the parties, who say the salmon passed through the upper gate, in the presence of quite a number of witnesses, at the rate of one a second, and continued for several hours. I superintended and paid for part of the work. I also found spikes and nails, as you will see by my diary account, rather than enter into litigation with the proprietors, who are very poor. They had built two, previous to this: the last, or second one, by a model and specification supplied by me, but it went with the freshet. The present, however, will not, unless the mill goes with it. I made, through the solid rock, two curves in the fishway at Musquodoboit Harbour, one at the entrance, the other at the outlet. No more crying out about the fishway here. They are all perfectly satisfied that fish, of any kind, can freely pass, when there is water, but no fish could enter any of our rivers in July and August, it was so dry.

The lobster close season has been strictly observed. The only trouble I have to complain of is dipping for salmon in West Sheet Harbour River, and alewives in Ship Harbour. Both wardens, Hall at Sheet Harbour, and Blakely at Ship Harbour, have reported some half a dozen cases each.

I have again to call the attention of the Department to the Sheet Harbour, West River. As I have stated, in all my former reports, there are several reefs cross the river, forming pools between them in which salmon and trout lay waiting the rise of water. It seems impossible to stop poaching here, \$150, or \$200, would do more here than half a dozen wardens.

I have added \$17,923 for fish used, and small lots taken and not accounted for, in this district.

The fishways are in good order, except that of Ship Harbour, which does not do its work; it is wrongly located. Just the place to put one of your new patents in. Have it done. The one I built at Mooseland, is on your plan, it commences at the water-wheel and extends about thirty feet into the dam, has gates for all heights water, and works first rate.

About the sawdust, the East River, Sheet Harbor, and Ship Harbor Mills, do not save sawdust. You are aware that proceedings against them are suspended. West Sheet Harbor save all, at considerable expense.

JOHN FITZGERALD, *Overseer.*

There has been a considerable falling off in the catch, in this district, during the past year, especially in mackerel and herring. This has not been owing to a less vigorous prosecution of the fishery, nor to the absence of the fish; but to the fact that they did not come near to the shore, but remained in the deep water, where the fishermen could not reach them.

There was not more than one half the catch of lobsters. This was owing, partly, to the length of the close season, and partly to the fact that they have been over-fished.

The several close seasons, have, as a rule, been well observed; and I have found the fishermen disposed to carry out my instructions as far as they could.

There are ten fishways in this district, and they are all in good order. Last year the one in Harbour's River was out of order, but Mr. Rogers has had a new one put in, which works very well.

As regards saw dust and mill rubbish, my opinion is, that the emptying of them into the rivers, is very injurious to the fisheries. When the mill owners are sawing all summer, there must, necessarily, be a large quantity of rubbish falling into the rivers, which lodges into the eddies, and as most of our rivers are narrow, of course this must obstruct the stream, and the passage of the fish.

The value of the fish used for home consumption, including what was sold in the Halifax fish market, is about \$30,000.

There are no trap nets used in my district.

The only abuse I have to report, in this district, is the practice of setting nets, above the bridge, in the Nine Miles River, Shad Bay,—which I recommend should be forbidden.

I have no fines to report.

HANTS COUNTY.

TIMOTHY O'BRIEN, *Overseer.*

I am pleased to be able to report a great increase in the catch of shad, this season, a larger number having been taken than in any previous year, on this shore. There has also been a large increase in the catch of herring; but a decrease in that of salmon. Other varieties average about the same as last season.

The number of boats and nets employed, about equalled that of last year. But the labor of the fishermen, owing to the increased catch, proved much more remunerative. Some of them use nets which are small in the mesh, and, as a result, fish of small size are taken, which should not be permitted. To obviate this difficulty only a certain sized mesh for shad nets should be used; none smaller than four and seven eighths inches.

Again, I would direct your attention to the destruction of small shad, by the weirs, a large number of which, not being worth curing, are permitted to go to loss. Such a large destruction of small shad is of great injury to this industry. I believe the weirs should be so constructed that the fish would collect at a certain point, at which point, a piece of net, with mesh of a certain size, should be inserted, in such a way that it could be easily removed from Saturday evening until Monday morning, as the law requires. Owing to the way that most of the weirs are constructed, a small opening is of no service. Some of the fishermen declare they cannot be constructed so as to cause the fish to collect at a certain point. I declared I know better, and proved them in the wrong, by getting some, who were more reasonable, to construct them after the manner I prescribed, in which a small gate was inserted, which could be opened during the time the law demanded.

I have nothing to report in regard to mills and sawdust rubbish. I have got along very smoothly this season. The majority of owners have made proper arrangements for the care of the rubbish that accumulates about the mills.

J. B. COLTER, *Overseer.*

The close season for salmon fishing, has been strictly observed, both in the years 1878 and 1879. In the years '76 and '77, there was great destruction made of the young salmon. Parties made small nets and no attention was paid to the close season. But when I went into office, in June, 1878, I put a stop to the fishing of small salmon, and confined them to the close season.

In the month of June, last, I examined the river from Grand Lake down, and had every obstruction possible removed, including a number of fish brakes, put there for the purpose of catching alewives.

The locks in the Shubenacadie canal will have to be attended to, drift stuff, coming down the rivers, gets in, and fills them up. The one at Elmsdale was completely filled with brush, logs, and whole trees; four men were employed nearly all day, clearing it out.

O. S. BURNHAM, *Overseer.*

In forwarding you my annual report of the fisheries of West Hants, I am very happy to be able to state that the quantity of shad, taken in the Avon River, during the past season, by drift nets, was never greater, and of a quality never surpassed.

Herring, this year struck, in more plentiful than ever before. Salmon, in the Avon River, were never known so scarce, but we hope when the young ones, which were deposited in the West branch, as well as Kennetcook and Meander rivers, return, to be able to report a successful catch of this fish.

Smelts were taken in larger quantities than ever before.

I am happy to say that the South Branch of the Avon River, is now entirely clear, a hole having been made in Mr. Hobart's mill dam. The West Branch is, also, entirely clear of obstructions.

I find the Meander River clear, for five miles, from salt water to Parker's mill. I cannot see much use for a ladder over his dam, for two miles above the dam is a natural fall, so that fish could not get over it, unless there was a ladder and, even; then, it would only let fish up to be destroyed, as there is very little water.

INVERNESS COUNTY.

DAVID ROSS, *Overseer.*

My appointment as overseer dates September 15th, hence my report is not so full as it would have been, had I received my appointment earlier.

The catch of codfish was as largo as last year, although my returns show a decrease from last year's return, yet the number of cwts. marked in my return is correct, as far as I can ascertain.

The catch of mackerel and herring was a failure. Very few of those fish made their appearance on the fishing ground.

The catch of salmon shows a decrease from that of last year, owing to the scarcity of the fish. Trout were very plentiful, exceeding the catch of former years.

Several violations of the Fishery Act occurred, before I was appointed overseer, but no abuse has come under my notice since then.

The close seasons, as far as I can judge, have been observed pretty well.

No fishways exist in my district.

D. F. McLEAN, *Overseer.*

Shortly after my appointment to the office of overseer of fisheries, in September last, I examined the different streams and rivers, as well as the coast in the "Western division" of this county, and gave instructions to the wardens to use all vigilance in protecting the river and coast fisheries, in accordance with the Fisheries Act and Orders in Council passed during the current year.

The Indians living, at Whycocomah Bay, were under the impression that they had the privilege of spearing salmon, until my first official visit to that place. I then warned them of the danger of taking fish in contravention of the Act. I am happy to state that they have ever since abandoned salmon fishing.

A few nets were seized at River Inhabitants, but so far I have been unable to get a clue to the owners. No other infractions of the law were reported to me.

I take the following extracts from the returns of the present and past year.

Salmon in brls.,	Salmon fresh in ice, lbs.	Mackerel in brls.
1878..... 0	0	2,112
1879..... 6	700	7,108
Increase. 6	Increase..... 700	Increase. 4,996
Ood Tongues & Sounds, brls.	Hake, cwt.	Haddock, cwt.
1878..... 2	860	450
1879..... 10	350	657
Increase. 8	Decrease..... 510	Increase. 207
Trout, lbs.	Smelt, lbs.	Eels, brls.
1878. . . . 0	0	0
1879..... 3,500	50,000	162
Increase. 3,500	Increase. . . . 5,000	Increase. 162
Oysters, brls.	Lobsters, Cans.	Fish Oil, galls.
1878..... 0	0	700
1879. . . . 525	134,400	6,464
Increase. 525	Increase. 134,400	Increase. 5,767

These figures show a comparatively large increase, but, in reality, such is not the case. In the first 9 districts, named in the return, for this year, said districts being on the coast waters of the Strait of Canso and Gulf of St. Lawrence, I am informed, on good authority, that there has been a decrease in the quantity of fish taken, on account of the stormy weather, of the past season, except in the lobster fishery at Port Hood. In the last named 8 districts which are on the waters of the Bras d'Or Lake, there has been an increase. The only reason I can assign to the great difference, which the enclosed return shows, in favor of this year, is that the return of last year was not accurately filled, in by my predecessor in office.

I have recently visited all the districts named in this year's return, and received my information from the most reliable source possible.

The value of this year's products, in this division, is \$178,752.35. Of this amount, I have estimated that the quantity used for home consumption may be valued at \$30,496.50.

On the whole, there has been an increase in the fisheries in this division, but to what extent I am not in a position to give a definite statement, for the reason already given.

In the majority of districts, named in the return for this year, there has been a more vigorous prosecution of the fishery than during the year 1878.

The principal abuses which exist here, are mills and mill dams. I would recommend that the law be enforced so as to compel all mill owners to prevent sawdust and all other mill rubbish from going down the rivers or streams, on which their mills and dams are constructed, as such must prove more or less injurious to fishery interests on any stream.

There are no fishways in this division.

All the wardens in my district are active and intelligent men, who take an interest in doing their duty.

PETER COADY, *Overseer.*

There has been 7,311 qtls., of codfish taken in my division this year, including 2,714 qtls. for home consumption, which is an increase of about 278 qtls. over last year.

There has been an increase in mackerel of 529 brls. Alewives show an increase of 669 brls. In salmon there has been a decrease of 125 brls. The causes which brought about this unfavorable result are principally on account of the season for salmon fishing being unusually stormy, along these shores, and the circular issued by the Department compelling salmon fishermen to pay licenses or, in default thereof, take up their nets.

The quantity of herrings caught, this year, is 3,231 brls., showing an increase of 171 brls. over 1878. A large quantity of this fish is consumed at home, in my division, viz: 2,700 barrels.

There has been a decrease of 15 qtls. in the quantity of hake caught this year.

In trout and smelts there has been a decided increase, although no reliable figures could be obtained, with regard to the actual number of pounds, yet all admit of a large increase along the whole line.

With regard to abuses, I may state that alewives generally return from their spawning grounds, about four weeks after arriving there; that these fish never go down stream in the day time; that the stream (in my division) is small, and that, notwithstanding the activity or vigilance of the wardens, many of the fish are destroyed, on their return trip, by persons living near the banks of the stream.

The value of the fish used for home consumption is about \$36,359.

There are several streams, in my division, which flow into the main river, and upon which saw mills have been built. To my own knowledge, trout have completely abandoned such streams. The sawdust is permitted to go with the stream, and is very liable to lodge in the pools of the main river. I think I should have authority to compel the owners of such mills to keep the dust out of the streams.

KINGS COUNTY.

J. E. STARR, *Overseer.*

I enclose a return of fish for this county, this year, which is the largest yet made, being \$214.75 more than in 1878. Shad have been abundant and of excellent quality.

The fishing in the Gaspereaux River has not amounted to much; it is evident that something is needed to restock that river. The opinion prevails that the dam, at Colder's mills has destroyed that fishery, but having paid particular attention to that river, and most especially to the fish pass, at the dam in question, I am convinced that the dam is not necessarily an obstruction to the fish, and that the pass (if carefully attended to during the fish season) will afford ample means for the fish to ascend the river. I am also quite positive, that any neglect, or inattention, may easily render the pass entirely useless. I cannot say that the dam has never been an obstruction to the fish, but I am sure that it was not last season. I am very much inclined to think that the facilities for catching alewives the whole length of the river (the law permitting nets to be set every two hundred and fifty yards for ten miles or more), has had more to do with the decline in this fishery, than all the other causes combined; and yet this is the last reason fishermen in this vicinity are willing to assign. One fact, however, all will admit, the fishery is now worthless, or nearly so, and I would recommend that fishing be prohibited for a year or two, and see if something cannot be done towards restoring this once valuable fishery.

I visited the head waters of the Annapolis River, and find but few salmon have been taken. Many think that the dam at Lawrence Town, in Annapolis Co. prevents

fish getting up. There are ten saw mills in Aylsford on the streams and tributaries of this river, all of which save their sawdust. And I wish distinctly to state that the statement, published, by P. S. Hamilton, that "all the saw mills in the Province allowed their sawdust to go into the streams" is not true, as regards this county. There is not a single instance where sawdust is allowed to pollute the streams frequented by fish. A steam mill was built at Scot's Bay, and commenced sawing after the fishing season was over, but some of the fishermen were jealous of the sawdust, (although all the waters of the bay of Fundy washed the shores) and complained. I went to the spot, and conferred with the mill owners, who assured me they would so alter their furnaces, so as to burn all the sawdust, before commencing operations in the spring.

LUNENBURG COUNTY.

H. S. JOST, *Overseer.*

I have to report a small increase in value, in this, the western division, of Lunenburg County, this year. The total value, \$877,350.00, being an increase of \$78,801.00 beyond the amount in 1878.

The bank and bay fishing was very good; also Labrador, with the exception of two or three large vessels, which returned something short of a full fare.

The lobster fishery shews returns of less amount than half of last year; caused, no doubt, by the fact of the extension of the close time, as well as of there being fewer factories at work than formerly, and with less efficiency. The general run of lobsters was an improvement in size, on those of the two or three previous years; caused in a great measure, we may suppose, by the regulations and restrictions imposed, in reference to the taking of them. The close seasons have been generally well observed. One lobster packer undertook to disregard the regulations made, in that respect, but was promptly fined, when he closed up his factory.

There are two fish ladders placed in Davidson's first dam, above Bridgewater, one in his second dam, half a mile further up the river, and one in Benjamin's dam about a mile further up. These four are all the modern fish ladders; there are, of course, quite a number of fish passes or fishways, as they are called in all the fish rivers, but they are of the kinds formerly in use.

The quantity of fish used for home consumption, fresh, is estimated at \$11,400. a low estimate enough, and comprises about 2,000 brls. mackerel and herrings, 4,000 cwt. codfish, haddock, hake, pollack and some halibut, with about 20,000 lobsters. The prices are calculated at what they cost fresh, and added in the columns, to show just that value in the return.

The trap net was a failure; the yield being less than last year.

With respect to the question of sawdust injuring the fisheries, I have no facts to give. As a general thing I do not think that sawdust, as we see it on our rivers, injures the fishery. If the "Summerside Gang Mill" dropped their sawdust in the cove, where the mill is situated, it would, no doubt, destroy any fishery there might be up that river or brook, or in the cove; but it would, at the same time, destroy the mill itself, as a mill. It would be buried in sawdust. Where there is a broad stream and plenty of water to carry away the sawdust as it falls on the surface and occupies so small a space in so much water, I do not think it would deter a salmon from ascending or coming down stream. I recollect many years ago, a rather pious old gentleman, who lived near, and had a saw mill, on one of our smaller rivers, situated about 8 or 10 miles from the shore, was accused catching salmon unlawfully in a trap under his mill. It turned out that some distance below the mill he managed to divide the stream, so that the salmon more naturally turned in the way of the mill and sawdust, and finally reached his box under the mill, where he secured them by shutting down a board. He had seventy salmon that season. Those salmon it would appear did not fear sawdust. If salmon had free passage, otherwise, up and down rivers, I believe what sawdust there is would not trouble them.

GEORGE REDDEN, *Overseer.*

The statement below shows the increase and decrease of the different kinds of fish caught in this division, the present year as compared with 1878.

COMPARATIVE statement of yield of the fisheries, Eastern division, Lunenburg County, for years 1878 and 1879:—

Kinds of Fish.	Quantities 1878.	Quantities 1879.	and Decrease.
Salmon, fresh.....	15,200 lbs.....	13,955 lbs.....	Decrease.
do smoked.....	200 ".....	540 ".....	Increase.
Mackerel.....	10,200 brls.....	18,012 brls.....	do
do in cans.....	.....	4,000 cans.....	do
Herrings.....	870 ".....	5,255 brls.....	do
Alewives.....	223 ".....	249 ".....	do
Cod.....	3,932 cwt.....	7,175 cwt.....	do
Cod Tongues and Sounds.....	5 brls.....	12 brls.....	do
Hake.....	100 cwt.....	302 cwt.....	do
Haddock.....	1,114 ".....	775 ".....	Decrease.
Trout.....	200 lbs.....	300 lbs.....	Increase.
Smelt.....	.....	2,200 ".....	do
Lobsters.....	170,000 cans.....	68,000 cans.....	Decrease.
Fish Oil.....	2,100 gals.....	3,505 gals.....	Increase.
Fish used as Manure.....	40 brls.....	640 brls.....	do

The fresh fish used in this division, as near as I can ascertain, for the year, are about 1,500 brls. herrings and mackerel; 3,000 lbs. salmon; 500 cwt. cod; 300 cwt. haddock; 100 brls. alewives, 2,200 lbs. smelts, and 300 lbs. trout.

The decrease in the catch of salmon was mainly caused by fishermen taking up their salmon nets earlier in the season than last year to prosecute the mackerel fishery, which fish visited our shores and harbours in large quantities. The decrease in haddock was caused by less vigorous prosecution of that branch of fishery than last year. The falling off in the catch of lobsters is mainly due to the overfishing of previous years, and to the short season now allowed by the Department for taking these fish. The new regulation, respecting close time for lobsters has not been in force sufficiently long to enable me to report the effect it may have on this fishery.

Smelt were quite scarce for years, but visited our shores in considerable quantities this year.

The mackerel fishery has been vigorously prosecuted this year and resulted in a large increase in the catch.

The increase in the quantity of cod is owing to our vessels having secured better fares on the banks and at Labrador; this also led to an increase in the quantity of Oil.

The rivers in this division are in good order, excepting Middle River Branch, which needs a fishway as reported last year.

Sawdust has no injurious effect in this district, in my opinion; there being but a few small saw mills on each river.

I have no fines to report this year, no breach of the law having come to my notice. A number of disputes arose among fishermen, but I succeeded in settling these.

The close times have been well observed.

The fishermen of this division are beginning to appreciate that the "fisheries laws" and regulations are made with a view to their benefit, by affording protection, tending to increase the quantity of fish in the future.

 PICTOU COUNTY:

 A. C. PRITCHARD, *Overseer.*

You will observe that the catch of salmon on the coast is somewhat below the average of former years. I can only attribute this to the destruction that has been going on by poaching in the river, and the inefficiency of the wardens in time past.

With reference to the abuses that exist, I beg to state that as the three principal rivers of this district, the East, West and Middle are in close proximity to the Stellarton, Westville, Drummond and the Vale collieries—poaching is only a natural consequence. During the past three months, I believe every effort on the part of the fishery officers has (with one or two exceptions) been put forth, to meet the emergency, and I have no doubt that with due vigilance in the future, your views of protecting the fisheries can be fully carried into effect.

During the spawning season a few nets were captured. One man was arrested, and three others, whom I detected poaching, and who absconded may yet be brought to justice.

The fishways on the East and Middle rivers are in a tolerable state of repair and are open during the winter, some trifling repairs may be required in the spring. I would suggest that the one at Gray's dam, Hopewell, be lengthened, as the rush of water appears to be too great to admit of the fish ascending it.

For the better enforcement of the law I need hardly suggest the necessity of an efficient staff of wardens; one man has lately been dismissed and I would recommend one or two other changes.

The quantity and value of fish, for home consumption, as nearly as I can ascertain, is \$6,000 lbs., value \$900.

In conclusion I beg to add that the information contained in the return of fishing material, &c., I have obtained from the fishermen on the coast, and other reliable sources.

 CHAS. E. HENRY, *Overseer.*

The limits of my district having been defined by the Department, I continued to visit the different rivers and sections of the same until I received notice from Mr. Rogers that Mr. Richard had been appointed to the central district of the county.

There were but two or three attempts to violate the law, and the parties were driven away, without obtaining any fish.

With regard to fishways, all in my district are in good order, having been thoroughly repaired, but I have failed to discover that any fish have ascended the ladder on the River John. Some change is necessary in order that they may prove more efficient.

Mr. Weir has built a rolling dam, and if an annual grant of twenty dollars was made for a fish ladder I think there would be no trouble to get the fish up.

With regard to the gaspereaux and smelt fishery, we need additional legislation. I would recommend a close season from 15th April until 15th June.

 D. G. McDONALD, *Overseer.*

On my acceptance of the office of Fishery Overseer for the eastern district of Pictou on the first July last, I found the salmon fishery, along the Gulf shore in course of vigorous prosecution, which, however, was not attended with corresponding results. The catch was then under the average and so continued throughout the season. No satisfactory cause, that I am aware of, can be assigned for the falling off. The weather was not unusually boisterous, the fishing apparatus and appliances were not, to say the least, defective as compared with those of former years. Hence it is likely that no better reason can be alleged, for the deficiency in returns, than the uncertain habits of the fish themselves.

There were reports to the effect that sweeping for trout was practised at the French River; but on as full an investigation as was possible, in the circumstances, I failed to discover any certain grounds for the supposition, which would justify me in using further precautions than those which Mr. Foote, the warden of the place, well known to be an efficient officer, had, after consultation with me, exercised. In every case, I feel quite convinced that the abuse if it existed was of short duration and will scarcely be repeated.

The lateness of the fall freshets again made the spawning season short for salmon ascending the river; and for the same reason, abbreviated the period during which poachers usually ply their work. Mr. McDonald, warden at Sutherland's River, seized one net, but could not trace its owner. On the other streams, I do not believe that there was any netting at all, nor could I find evidence of torching and spearing. The wardens and myself spent night after night, in the localities which were of poaching repute, without detecting any violation of the law. Neighbours and others have made no complaints, or even circulated rumors. The state of public feeling has been healthily aroused against poaching of all kinds; and, for this result, I am anxious that much credit be awarded to my predecessor, John McDonald, Esq., who was indefatigable in enforcing the observance of the law. In this connection, however, I would state that, owing to a storm on the 13th, a few salmon nets were left set in the Gulf, after the 15th August, but only until the weather calmed down sufficiently to admit of their being taken ashore. Besides the shattered state of the various appliances, as now arranged in a salmon net, made it certain that no fish would be caught. I did not institute any proceedings for what, at most, would be a violation of the letter, but not of the spirit of the law.

I would also remark that at Pointe Bette Island, in the mouth of Merigomish Harbour, there is a retired insular point jutting out almost to the channel, which is narrow at the place indicated. The island itself is not easily accessible, except from the Big Island, lying in a north eastern direction. Now at this retired point, preparations have been made by some parties to fish of nights, during the beginning of the close season, simply because salmon, there, begin to enter the harbour waters preparatory to an ascent up the rivers at a later period. I have reason to believe that next year, short nets may be run out across the channel, there for a night, occasionally, and much injury done. Hence, with a view of this circumstance, I would recommend that a warden be appointed for Merigomish Harbour.

There are no fishways in my district. I would not recommend the erection of any. There is only one place where it might be deemed advisable to erect one, namely, at Dewar's mills, West Branch, Barney's River. However, there are some ten miles of spawning grounds, below the dam; and above it the river is so narrow that it would be impossible to prevent the slaughter of the fish in the day time by the most primitive, if no better means would be called into requisition.

Beyond the suggestion already made as to an additional warden at Point Bette I do not know that any thing else is just now necessary to secure the future enforcement of the law.

The fish used for home consumption, as nearly as I can estimate, would be valued at \$1,457.00.

In this district salmon fishing, so far, has only been followed for the purpose of making money by its sale, the other species of the finny tribe have been mainly captured by farmers and others, not professional fishermen, merely for the purpose of domestic consumption, and at times, when the ordinary duties of usual labor did not press. It is quite probable, however, that, before very long, fishing as an avocation, exclusively followed, will become more general than it is.

I express, in conclusion, my satisfaction with such officials as I have had communication with. The wardens in my district have fulfilled their duties with every reasonable diligence.

QUEEN'S COUNTY.

S. T. N. SELLON, *Overseer.*

Salmon were not as abundant as was expected, on the opening of the fishing season, for quite a number were taken on the Medway river, amongst the drift ice, from the 29th January to the middle of February, by Indians with rod and line. Storms and much ice for the remainder of February, and part of March, prevented line fishing, and nets could not be set amongst the drift; but there is much reason to believe that a good run of salmon went up, at this early date, and as spring opened, adverse winds and weather, apparently, kept these fish from coming. That the Medway is free from obstruction is proven by this statement and the increase of alewives.

Alewives were taken well up the river as far as Ponhook Lake, Martin's mill, and other tributaries of the river, and gave quite an unusual and almost an ample supply of fish food to the many families of farmers and lumbermen in this section of the county. The young fish came down to the sea in good numbers, which is very satisfactory, for this fish is of more value to the people than salmon.

Lobsters have not been in good supply and many of them small, this is caused by the overcatch of former years, and for the want of a sufficient close time—before your last "lobster law" came into force. So unremunerative was the catch, that many lobster fishermen changed to line fishing. I am sorry to say that some of the factories do not discourage illegal lobster fishing, and will buy small ones, and as these factories are widely separated, and the fishing is on a long coast, it requires an officer to use much time and outlay to enforce the law.

Trap fishing has now become a want or necessity for line fishing. Our boats and vessels depend on them for bait; and the demand by American fishermen is greater than the supply. Some of them return two or three times in the fishing season for a resupply, and always report profitable fares, for the bait they get, which keeps sound from two to three weeks in ice. I might remark that 7 American vessels were in the Harbour at one time for bait, wanting from 15 to 30 brls. each, and got a partial supply, after trying the various fishing harbours on our coast, without success, and certainly the American vessels are largely benefited by the privilege they enjoy.

It is the general opinion that sawdust is not an important injury to fish ascending the rivers. I hold that view, because it did not injure, or lessen the quantity of fish, in years gone by when the lumber made, at our many mills, was far in excess of what it is at present; the logs are now not only few but small, and getting less every year. This is the great reason for less opposition by mill owners, and their increased interest for the protection and increase of fish.

Mackerel have acted strangely, in their migration, during the season. They, in the spring, went to the eastward in great abundance, running from one headland to another. This gave us reason to believe that the fall fishing, on their return west, would be good, but few came into our harbours, and these did not go into our nets or traps, or only in small quantities, although they were seen alongside of them. This, I presume, was partly owing to the water being very clear and calm, and lobster pots set by thousands in our harbour, containing impure bait.

Herrings were not in good supply in shore, for net fishing. We believe large bodies of them came in to spawn, but settled on the bottom in deep water, and remained so, for want of a good rattling wind, with sea to stir them up. This is a common occurrence known to old fishermen, as well as myself. After they had spawned they were very poor and very large, but not profitable for salting. I am satisfied a profitable business could be made at herring fishing, if we gave up our old ideas of waiting for the fish to come to our doors, and, as is the custom in England, go off our shore from 2 to 10 miles, where we know that there are great quantities of herring, on our inshore banks, of a superior kind, from the middle of May to July. These fish are equal to Labrador herring, and are in full supply, but it requires the will and labor to go where they resort.

JOHN FITZGERALD, *Overseer.*

There is a decrease in the catch of salmon as compared with last year.

Alewives have been plentiful on the Medway River this season, there have been more taken than for some years previous. At Greenfield, I have been informed, that the catch was not so large for thirty years.

Smelts were in abundance last spring, and supply the spring market with plenty of fish.

Eels are not quite so plenty this season as last. They are eagerly caught and used by many in our community.

Frost fish are quite numerous, and a fine pan fish, for a few weeks in the winter season.

The three latter kinds are used chiefly for home consumption.

The three mill dams in this district, on the Medway, have each a good fishway. I pay particular attention to keeping the way clear for the fish, on their upward movements to the spawning beds, and also for the young fish to get to the sea.

The mill owners here, are, generally, respectors of the law, and careful to keep all rubbish from the river, the sawdust being the only thing passing into the water.

RICHMOND COUNTY.

FRANCIS MARMEAU, *Overseer.*

A large decrease will be observed in the yield of the fisheries in my district the present year, when compared with that of the past.

Mackerel shows a falling off of nearly two-thirds. There has been large bodies of small ones schooling in the bays, and along the shores, but prices were so low that they were not actively sought after. The fall catch, (the most important one) was nearly a failure.

Herring also shows a decrease. Fishermen attribute this to the prevailing strong easterly winds, and to several fish traps in Chedabucto Bay, near Canso.

The decrease, in the yield of codfish, is supposed to arise from the use of trawls the previous years.

DUNCAN CAMERON, *Overseer.*

In the report I had the honour of laying before you last year, a material decrease in the catch of all kinds of fish, within my district, was noted, but this year it is gratifying to find that the quantity of fish, of all kinds caught has been in many instances, double that of last year, and well up to what might be called an average catch.

In preparing the statistics, I added for home consumption a quantity of all kinds valued at \$6,054.00.

In my district, there are no brooks nor rivers into which sawdust is allowed, and hence, I cannot give any facts or information as to its injurious effects upon the fish.

I have to report no infringement of the fishery laws.

A new departure in the fishing industry, and for this place a most novel one was made here last spring, by the capturing of a real live whale, by parties in the Bras d'Or Lake. The mode of capturing was certainly not on the Greenland or South Sea principle. His whaleship having ventured up the Lake, to within two miles of St. Peter's, and being apparently asleep, was attacked by parties from shore, armed with all the sharp edged farming tools procurable improvised into *quasi* harpoons, when he pulled for the shore, got stranded and had to succumb to superior numbers. Twelve hundred gallons of oil and a quantity of whale bone, which netted a considerable sum, rewarded the lucky parties. Two other whales were seen on the lake about the same time, but not being of the sleepy kind, their capture was deemed a fool-hardy undertaking, without better appliances than those which were successful with the one taken.

The fishermen, as a whole, within my district prosecute their precarious calling very industriously and all, with rare exceptions, make a comfortable living.

SHELBURNE COUNTY.

WM. J. MCGILL, *Overseer.*

There are twelve vessels less in the fishing business than reported last year. The catch has been much larger, showing an increase of 11,606 quintals of cod, and also, 2,729 quintals of haddock. The increase is due to our "bankers," who returned with large fares, while our boat fishing has been almost a total failure. There has been a falling off in the catch of pollack, by 1,430 quintals; mackerel, by 8,757 barrels; herrings, by 8,351 barrels; and I would also state the falling off in the lobster fishery, by 748,696 cans, less than was reported last year. This is accounted for by the order passed which prohibited their catching to cann, after the first of August.

There has been a falling off in the net fishery. The cause may be attributed to fish offal and refuse from fish traps, viz., small fish which are not made use of, and albicore which are left to decay on the bottom near the traps. Trap fishing has been almost a failure this season.

There has been a fair run of alewives in Roseway River, and quite a number ascended to their spawning grounds; as a large quantity of young fish were seen returning.

The old passage way around the dam will answer for another season with a little attention. The water was very low in the fall, and young fish were reported having no chance to return. I spent two days up the river, examining fish-ways, and making new passage-ways for them to return.

I found quite a number of eel-weirs which had a tendency to destroy young fish. Some of them I destroyed, others were removed by their owners. I find strict attention must be given to this matter next season in order to protect our river fisheries.

The warden at Birch Town reports a good catch of alewives taken last spring. He made great improvements last summer around the mill dam at his own expense. The mill owners tried to turn the course of the river above the mills. After considerable discussion, we succeeded in having the obstruction removed.

It is estimated that \$23,000 worth of fish was consumed in the county. The close season for lobsters was strictly observed.

In regard to sawdust I failed to reply, not being sufficiently acquainted with it. Warden Rye and I have visited about all the mills in Roseway River and notified them concerning sawdust. We insist on all the refuse and sawdust being saved and we are determined that our request shall be complied with. It is the general opinion that sawdust injures the fisheries, but how and to what extent I am not prepared to answer.

VICTORIA COUNTY.

DONALD McRAE, jr., *Overseer.*

I have nothing particular to note in the yield of fisheries in this district. The returns show a small increase in the total value over last year. This is owing to a more accurate account got this year of the quantity used for home consumption, which is 550 brls. herring, 550 cwt. cod, 350 cwt. haddock and about 80 brls. mackerel.

I find in every district that a general complaint is a scarcity of fish, although in the early part of the season there were fair prospects for a good summer fishing. Still the Fall fishery has proved to be almost a complete failure.

The close season was pretty well observed as far as I can ascertain, except in two cases, in one of which the parties were under age. These cases are now under consideration and will be dealt with as the law directs.

As we have had a change of wardens, I feel satisfied that the rivers will be protected with considerable less trouble than we have experienced, in the past. Warden McGregor who lately received his appointment will no doubt prove a great benefit in assisting warden McRae, who has had considerable trouble with the people near by McGregor's district.

I believe the fishermen are beginning to appreciate the benefits resulting from the carrying out of the regulations, in regard to the preservation of fish in the rivers, so that I feel satisfied that I shall have less trouble in enforcing the laws in future than I have in the past.

J. W. BURKE, *Overseer.*

This season was below an average one in my district. Cod were as good as last year. In the spring, they were very plentiful, when we had a fine catch; but during mid-summer and fall they were scarce. If it were not for the spring catch, some of our fishermen would have been in a very poor condition, and would have felt the need of them or their proceeds during the winter.

Mackerel were in abundance along our shores but so small it would not pay to cure them. Later in the fall they were larger, but the weather proved so stormy it was but seldom the boats could get out, still a few were taken. About one hundred and fifty barrels were used for home consumption. Herrings were almost a failure, and five hundred barrels used for home consumption, also 1,300 qtls. cod.

Salmon were more plentiful than last year. As usual, I gave attendance to the rivers, and, in a short time, those who intended to intrude gave up the idea.

YARMOUTH COUNTY.

ENOS GARDNER, *Overseer.*

I herewith enclose returns of fishery for this county, for the year 1879, which includes fish used for home consumption, to the value of about sixty thousand dollars. The total amount does not figure up as much as last year, which is entirely owing to the failure of the mackerel fishery. Large and expensive preparations were made for this fishery, and thirty two trap net licenses were paid for, and twenty eight trap nets were put down in the county. Some of them did not get a fish. Several of them caught more than enough to pay working expenses, but most of them did not. Mackerel were plenty in the bay, but did not come inshore near enough to get in the traps. As they have the trap nets on hand, and have made other expensive outlay in connection with this fishery, no doubt they will apply to have their licenses renewed in hopes of better luck next year.

The bank and shore fishermen have all made extra good fares, but the price of all kinds of fish is very low, and in consequence, the fishermen all appear to be poorly off this fall, as most of them go on shares. After expenses are paid they have very little left.

On account of the lobster regulations, there was not so many put up this year. There was some dissatisfaction expressed by the lobster fishermen, but the packers are satisfied that the regulation will be a benefit to them, as there will not likely be an over production, and prices will be better. I conversed with them at all the establishments in this county and that appeared to be their opinion and feeling about the matter. The law and regulations were strictly observed by all the lobster factories, and they closed at the time required. The persons in charge are well disposed and willing to observe the law. Lobsters were very plenty and of good size this season. The ofal was carefully taken away and used as manure.

The river fishery for salmon and alewives has been a poor one. Salmon were very scarce and the catch is over one third less than last year. The alewife fishery, at Eel Lake and Herring Brook was good, they were mostly taken in nets in Eel Lake, and the catch is double what it was last year. The warden there, Joseph M.

White, is a very attentive officer and keeps Herring Brook open during the fishing season, and generally looks well after the interest of that fishery. On the other rivers the catch was not as good as last year. The first run of alewives had a good chance up the rivers, as the freshet was good in the spring, and the young fish have had a good passage this autumn, as the weather has been open, and the freshet good. I trust next year to be able to give a better account of the river fishery.

I visited the mill dams on the several rivers, they were all opened as are required by the regulations, and the streams looked free from mill rubbish and sawdust; except at Carlton mills where they have a fish ladder and keep the dam closed the whole year. There was considerable sawdust on the edge of the lake, below the mills. I called their attention to it, and they have promised to make the floor more tight and secure and keep the sawdust from drifting in the river. The fish ladder at Carlton has been kept in good repair, and several disinterested parties there informed me that the fish went up. The alewives and salmon, however, were not as plenty on that river this season as in the other rivers. On my last visit there, I saw some young fish coming down and was told that considerable quantities had come down this autumn.

The reef at Lower Tuskett Falls (Reynards), was filled in as by your direction and has not since been disturbed. The estate of Edward Reynard has been sold and purchased by John K. Ryerson, Esq. Mr. Ryerson informs me that the old grant covers the reef, and that fishery officers have no right to interfere with it. He said he should go to Ottawa this winter and offer his title to the Government, and if they would not purchase it, he would put the fishery officers at defiance, and build out the works at Reynard's fishery as they were when taken out by your direction in 1876. I told Mr. Ryerson if he attempted anything of the kind he would be prosecuted, which would settle the question of his title.

APPENDIX No. 13.

REPORT OF W. H. VENNING, Esq., INSPECTOR OF FISHERIES FOR
THE PROVINCE OF NEW BRUNSWICK, FOR THE YEAR 1879.FISHERIES OFFICE, ST. JOHN,
31st December, 1879.Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.SIR,—I have the honor to submit my annual report on the Fisheries of New
Brunswick, during the year now ending.

SALMON.

The returns of this fishery show a decrease compared with those of last year, although it has been prosecuted with even increased vigor. In some localities, no doubt, this has been owing to unfavorable weather, which disturbed and damaged the nets; in others, to the prevalence of unfavorable winds, which kept the fish off shore.

In the Miramichi and St. John rivers there can be no doubt that over-fishing is rapidly decreasing the stock of parent fish, and that, year by year, the progeny is becoming less.

In Restigouche and its estuary this evil is every year increasing, and if not now checked, will certainly be followed by a serious falling off in the catch of coming years.

BASS.

In the St. John River Counties and Gloucester County, where this fishing is pursued principally by hook and line, and where the young are not destroyed by bag nets, the catch continues to increase.

But in Northumberland and Kent, where the smelt bag nets kill immense numbers of young bass, the decrease in the catch is steady and persistent. In the Miramichi River, where the smelt nets are most destructive, the winter fishing is pursued to an extent so excessive that it threatens the extermination of the species.

The remarks on the bass fishery of this river, made in my last annual report, are still true, and, as a measure of prudence, I would suggest for your consideration the necessity of limiting net fishing for bass in the Miramichi and its tributaries to the months of November, December, January and February. In other months, bass fishing to be done only with hook and line. Even with this measure of protection, I fear that the destruction of the young by bag nets and excessive winter fishing through the ice, will slowly but surely exhaust this now valuable fishery.

SHAD.

As stated in my last and previous reports this fishery continues to decline. The cause is excessive fishing. The additional close time, provided by Order in Council in May last, will, I hope, have a beneficial effect; but, of course, no marked results can be looked for immediately.

GASPEREAUX.

The catch of this fish was somewhat better than that of last year. But the causes assigned in my last report for the serious decline in this fishery are still at work, and no reasonable hope can be entertained that the fishery will ever again yield any great returns.

The additional close time may avert its speedy destruction ; but, in my opinion, this species is doomed to extinction in all the rivers of this Province.

HERRING.

The returns from this fishery show about an average catch, owing to the increased quantity of small herrings put up as "sardines". The quantity caught, suitable for smoking and salting, falls below that of former years. At the present time winter herrings are very plentiful in the waters of Charlotte County, and large quantities are being caught and sold at good prices.

SMELT.

This fishery still continues to be pursued in a reckless and wasteful manner. Vast quantities have been caught in the Counties of Gloucester, Northumberland, Kent and Westmoreland, and markets have been so glutted that the prices obtained have left but a small margin for fishermen and shippers. Were this business pursued with less greed by fishermen, and shipments made with more judgment by dealers, no branch of our fisheries would yield better profits.

LOBSTERS.

The excessive over production of canned lobsters still continues, in consequence of which prices remain at so low a figure that but small returns are made for the quantities handled. Still the number of factories is increasing, and the production will be lessened only by the exhaustion of the supply. Efforts have been made, and are still being made, by grasping operators, to get the close time relaxed, but any measure which will curtail the present over-production will conduce to the ultimate benefit of all engaged in the business.

OYSTERS.

Year by year this fishery is dwindling away. I can only repeat the remarks made in my last report, for which I crave your serious consideration. Many of the once valuable beds are now extinct. Those which remain yield but small returns for excessive and laborious raking. This yield is every year becoming less, and the size smaller. The close time affords no adequate protection, because the constant raking of the beds prevents the growth of the young. There is no system, no care, no thought for the future. Nothing but blind and ignorant labor, year after year, in raking the nearly exhausted beds. As no effort at artificial culture has yet been made in this Province, and as none of the beds are allowed the rest necessary for their recuperation, the total extinction of all is inevitable and not far distant. The only protective measure I can now suggest is a compulsory rest of several years, and, after that, stringent regulations for the proper working of the beds in such rotation as will permit the fish to multiply and the young to attain maturity.

ST. JOHN HARBOR.

Again I beg to call your attention to the whole subject of the Harbor fisheries, and the manner in which they are conducted. As long as the pernicious and illegal

practice of drifting for salmon is allowed outside the harbor, there can be no hope of improving the salmon fishery of the river. As long as the weirs destroy young shad and gaspereau, there can be no possible hope of these fisheries recuperating.

The following is a synopsis of the reports received from the County Overseers, to which is appended, in tabular form, the returns from all the fishing districts in the Province.

RESTIGOUCHE COUNTY.

OVERSEER MOWAT, of the upper division, reports that the catch of salmon was not so good as last year, which was a somewhat exceptional season. He finds it very difficult to obtain correct returns, as there are no means of compelling fishermen to make accurate statement. He believes that if correct returns could be got from every fisherman, the catch of the whole Bay Chaleur, would not fall short of that reported last year. As a rule, he had but little trouble with netters, and the law was well observed. Mr. Mowat alludes to the great pressure brought by parties to obtain new fishing stations, and intimates that he has more fully expressed his convictions in special reports on the subject, in which he has given his reasons for thinking that it is not wise, just, nor expedient to allow any increase over the present number. He reports the angling catch as nearly equal to that of last year, and considers the expenditure made by anglers on the river of great benefit to that part of the county. He states that the number of parent salmon now in the river falls far short of that which reached their spawning beds last year. Mr. Mowat makes special reports on fishing by settlers above tide water and on the guardians of the river. These contain many valuable suggestions, based on his knowledge of the upper waters, and on his long experience as an officer. I ask for these reports your favorable consideration.

OVERSEER FERGUSON, of the Coast division, reports that navigation opened rather sooner than usual, and salmon made their appearance early in May. The Bay being clear of ice, and fishermen having their preparations made, got the benefit of the first run and the fishing promised well. But this did not continue long. The month of June came in very stormy and continued so for three weeks, causing great damage to the nets and serious loss to the fishermen. Notwithstanding this discouragement, they made good average fishing, and received good prices and prompt payment for their fish. He thinks the salmon were as plentiful as last year, and that, if the weather had not been so unfavorable in June, the catch would have been even greater. He reports that the weekly close time was well observed when practicable. Owing to the cold and stormy season, the lobster fishing in this division was not remunerative. Mackerel and cod were plentiful in the Bay, but the fishermen in his division do not pursue these branches of the business. Spring herring were very scarce, and but few were caught.

GLOUCESTER COUNTY.

OVERSEER HICKSON, the intelligent and active overseer of this county, has sent the following report.—

“After so much time, labor and money has been expended on the Nepisiguit River, it is very discouraging to have to report a further falling off in its salmon fishery. I attribute the great scarcity of fish which has marked the season, to the heavy freshets which destroyed the spawning beds in 1876, as stated in my report of that year. Also to the constant strain of fishing which the river has sustained, for so many years, without any assistance from the Hatching Houses. The river is so small, the pools so numerous and so admirably adapted for angling, and the nets so thickly set in its approach, that without assistance from the Breeding House, the stock cannot possibly be kept up. The coast fishery is, of course, governed by the

numbers bred in the river, and as these have largely diminished, owing to the causes pointed out, it follows that the catch on the coast has been very small this season. From experience and observation, I am convinced that, while our catch of salmon is yearly diminishing, the catch on the Restigouche is increasing. Above the mouth of our river, Gloucester fishermen, in favorable seasons, get a small share of Restigouche fish, for then they strike in along the shore from Bathurst to Belledune Point. The catch on that part of the Gloucester Coast during the past season was very fair. As the Restigouche has to stand as much fishing, in proportion to its size, as the Nepisiguit, I can attribute the increase in the catch of salmon on that river, only to the help it receives from the Deeside Hatching House. I would strongly urge that the Department give our river a portion of the young fish yearly hatched in the Restigouche and Miramichi Houses. No other measure, that I can suggest, will save the Nepisiguit from the fate which, without that assistance, inevitably awaits it. There have been two great runs of ice over the spawning beds this fall, which will, I have no doubt, destroy many of them, and still further reduce the stock of fish, and thus cause a repetition of this year's failure to both river and coast fishermen. I am convinced that a few years' trial of my suggestion will satisfy the Department that the course I recommend is a wise one. From my returns, you will see that the other fisheries of this county during the past year show, at least, an average catch. Our coast is now dotted with Lobster Canning Establishments, all doing a good business. "I will merely mention the new business of shipping fresh salmon to England. Some few lots were sent from Gloucester county, and I learn that the venture turned out fairly successful. I understand that next season this business will be largely extended."

OVERSEER LANDRY, of Pokemouche, reports that all kinds of fishing in his district has been good. The take of gaspereau, though small, was better than marked last year, while the catch of mackerel shows a considerable increase. The lobster fishery has grown into large proportions, and this business is one of the most important in the county. At the present time the smelt fishery is being pursued to some extent, but the low price in American markets does not leave much margin for fishermen or shippers.

OVERSEER SAVOY, of Tracadie district, reports that all kinds of fishing were good. Cod gave more than an average catch and mackerel were abundant, but the size and quality were not so good as could be desired. The catch of lobsters was large, but that of herring rather under an average. He reports that good prices have been obtained in Montreal and Halifax for codfish, herring and alewives.

NORTHUMBERLAND COUNTY.

OVERSEER WILLISTON, of Bay du Vin, reports a falling off in the catch of his district. He does not attribute this to any scarcity of fish, but rather to the prevalence of heavy gales and boisterous weather, which, he thinks, scattered the fish and caused them to keep the deep water. In Black River and Bay du Vin River, he reports a plentiful stock of salmon in the fall, which were unmolested by poachers. He had a great deal of trouble to prevent fishermen setting salmon nets ostensibly to catch bass after the close season, and he was obliged to make a large number of seizures, which were duly reported to the Department. I know of no means to put an effectual stop to this illegal work, except to confine all bass fishing in the fall to hook and line, until the ice forms. The excessive overfishing for bass in the Miramichi, and the great destruction of young bass by bag nets, which threaten the extinction of this valuable fish, to say nothing of the salmon caught out of season, are strong reasons why this should be done.

OVERSEER ROBICHAUX, of Neguac, reports that, like last year, the herring fishing was poor, and the size smaller than usual. Cod was plentiful during May, June and July, but in August, September and October, he reports a poor catch, owing

to stormy weather. The salmon fishery was interfered with by easterly winds and unfavorable weather. Mackerel appeared early and in greater numbers than usual, but being small and poor, there was no demand for them, and fishermen caught only for their home consumption. Bass fishing with hook and line was good during the summer, and considerable numbers were caught, mostly for home consumption, but the fall fishing was poor.

OVERSEER STYMAST, of Tabusintac, reports that salmon were not so plenty as last season, but that large numbers of gaspereau were caught. He states that a great many young bass are caught in smelt nets, and that preparations for smelt fishing are being made on a larger scale than ever before.

OVERSEER RUSSELL, of Portage Island, and Burnt Church district, reports a serious decrease in the catch of salmon, principally in Portage Island. But the catch at Grand Downs exceeded that of last year, while at Oak Point and Lower Newcastle it was about the same. The short catch at Portage Island he attributes to heavy storms, which damaged the nets. Mackerel were plentiful in the Bay, and were caught principally for home consumption. Alewives were very scarce and but few were caught. The catch of bass was also poor, which he attributes to the fish having passed up river before the season opened. The smelt season had not commenced when Mr. Russell made his report, but subsequent advices inform me that it is pursued in the same wasteful way described in his last report, and even on a more extensive scale.

OVERSEER WYSE, of Chatham district, reports that on his return to office, he found a spirit of lawlessness, that made it very difficult to enforce the regulations. Numerous seizures of nets were made, and a large number of fines imposed, most of which yet remain unpaid. He reports that the salmon fishery in his district did not yield an average number. In the month of July the fish appeared to have left their old course entirely, which he attributes to the increasing traffic on the river, and especially to the constant passage up and down of steamers and tugs. The catch of gaspereau in the main river was so small that this fishery may be said to be practically exhausted. In Napan, however, where the stock did not suffer so much from seining in former years, a comparatively good catch was made. Every year's experience only strengthens my conviction that nothing will, now, save this species in the Miramichi River, but an absolute cessation from fishing for at least five years. Mr. Wyse reports that the new smelt regulations are working well, and that fewer young bass are killed by the bag nets; but yet the evil is a very serious one. The lobster fishery on the coast, and about Cape Escuminac, has been very good, and nearly a million of the crustaceans have been taken within the County bounds, this year.

OVERSEER HOGAN, of Newcastle and North Esk districts, reports about an average catch of salmon; but bass, shad and gaspereau continue to get scarcer every year. Considering the vast numbers of young bass that have been destroyed by bag nets the last three winters, and the very considerable numbers that are being killed this winter, it is folly to expect that any improvement can take place in the bass fishery, while it is almost certain that every succeeding year will now show a smaller catch. The seine has effectually destroyed both shad and gaspereau, over fishing and bag nets are now rapidly exterminating the bass.

OVERSEER PARKER, of Upper Nelson and Derby districts, reports that when he went on the river after his appointment, in May, he found it in a very bad state; nets fishing in the middle of the river, off bars, and in many places prohibited by law. After much difficulty and opposition he succeeded in getting the nets into proper positions, and, by unceasing vigilance, has been able to keep them there. The catch of salmon all through the month of June was excellent. But from July until the close of the season the catch was small, and he thinks the fall run of fish was much smaller than in former years. The freshets were heavy all the fall, and this, with the scarcity of fish, prevented poaching to a large extent.

OVERSEER HOLTS, the new officer of Blackville district, reports that when he first went among the fishermen he found great irregularities and serious breaches of the law. He was compelled to make seizures and impose some fines, and at length he succeeded in bringing about some approach to order. In the early part of the season, the fishing was good, but towards the close, the falling off was very great. He urges the appointment of a good warden at Campbell's Bar, where the facilities for sweeping are great. The place is so distant from him, that he cannot give it the attention it needs to prevent illegal fishing.

OVERSEER TAYLOR, of Blissfield, reports but a poor catch of salmon this year, and still complains of the opposition he meets from lawless fishermen, who resort to every ingenious device to elude his vigilance and violate the law.

OVERSEER FREEZE, of Doaktown, reports a good catch of salmon, in June, but a very poor one in July and August. Mr. Freeze finds it very difficult to enforce the law, and protect the fish from poachers. When the water is low the fish can be seen from the bank, and in a very few minutes the sweep net has done its work, is put out of sight, and the owners are ready for either more salmon or the officer. He describes the poachers in his district as the "independent poor," who have nothing to seize to pay a fine, when it is imposed. The following is a graphic description of one instance that occurred during the season. "I found one Sam Price, and another person, unknown to me, pulling an illegal net off the pickets. I was on the opposite side of the river on horseback. The unknown person took a part of the net and ran into the woods as soon as I came in sight. Price, who was either bolder, or more independent, remained until he had removed the balance of the net. While I was fording the river, he ran up the bank, but I overtook him. He refused to give up the net and threatened violence. I prosecuted him and imposed a fine of \$5, which he would not pay. I then sent constables to take him to jail. When he saw them, he ran off to the woods, and could not be found. The second time they went to his lodgings, about three o'clock in the morning, expecting to find him in bed. But he had been careful enough to change his quarters, and they could not find him. At length, fearing arrest and imprisonment, he went off to the States, and left me to pay all the costs." This is a very fair example of the troubles of a Fishery Officer. Mr. Freeze says, "there is a part of my district where the people club together; some of them are detailed to keep watch on every possible approach an officer can make, while the rest stop the channel with their nets. They play this so fine now, that it is impossible to catch them, and I must request some assistance to break up this combination."

OVERSEER CAMERON, of the upper district of the South West, reports that gaspercau are almost extinct in his district, not a barrel was caught during the whole season. In a part of the river that once teemed with them, he says "a good catch of salmon was made in June, while the logs prevented the setting of nets in the lower parts of the river; but after these nets were put out, no more fish were seen until after the close time commenced, when they again ascended in good numbers. But they were hard to protect, as I never saw a more determined disposition to evade the law."

In every report I have made for years past, I have called attention to the outrage of allowing salmon to be netted on their spawning beds, as is done on this river. There is no limit above which netting is prohibited. From the mouth of the river to its source, nets are allowed to be set, and I know of no other river where this is allowed. In my last annual report, I called your attention to this piece of vandalism in terms which I beg to repeat, for I cannot make them stronger:—"In concluding my observations on the fisheries of this county, I can only repeat to your Honor what I have endeavoured to enforce upon your predecessors in office, that in no other river in the civilized world, so far as I am informed, are salmon allowed to be netted on their spawning beds, after escaping the toils of innumerable nets from the mouth of the river along a course of over a hundred miles. The comparatively few fish that succeed in reaching these spawning beds, after running the gauntlet of

a perfect maze of nets, should be allowed to propagate undisturbed. In all my former reports I have felt it my duty to give expression to this conviction. Every year's experience not only strengthens it, but proves beyond dispute, that if the breeding fish are systematically destroyed year after year, the fishery must in time—and that time is fast approaching—most certainly be destroyed."

KENT COUNTY.

OVERSEER SUTHERLAND, of the upper division, reports an improved catch of gaspereau, which was mostly used for home consumption. The lobster fishery has been pursued with even more vigor than formerly, and a much larger quantity has been put up for export. The catch of salmon, cod, mackerel and herring, was about the same as last year. Cod, hake and herring are all used in home consumption. The smelt fishery has grown into considerable importance, and large quantities are sent to American markets. Mr. Sutherland states that the close seasons have been well observed, and there have been no flagrant violations of the law in his district.

OVERSEER GIROUARD, of Buctouche district, reports that the catch of mackerel largely exceeds that of previous years. Lobster fishing continues to increase, and is now the most important fishery in the county. The mackerel, eels, trout and bass caught in this district are all used in home consumption. He states that the close seasons and the law generally have been well observed.

OVERSEER CORMIER, of Cocagne and the lower district, reports a large increase of canned lobsters. A new establishment was opened in Cocagne the last season. An increased catch of mackerel was secured of a fair quality. The smelt fishery in this district has fallen off, in consequence of low prices. But a small catch of bass was made principally by hook and line. Mr. Cormier states the law has been well observed in his district.

WESTMORELAND COUNTY.

OVERSEER DEACON, of Shediac division, reports that the catch of all kinds of fish in his district was very good this season. Mackerel, although of a small size, were very plentiful. Bass are also becoming plentiful. There were ten lobster establishments in operation, and, although the season was curtailed, by the new close time, nearly as many lobsters were canned this year as last. The low price of smelts in the American markets last winter, caused a less active pursuit of this fishery, and the catch was much less than usual. Salmon are increasing in the Shediac River, and quite a number have been taken along the coast, outside the Harbour, during the past summer. The fry deposited by Mr. Sheasgreen, in June last, were in fine condition, and Mr. Deacon expects to see the Shediac a good salmon river in a few years more. Having been informed last June that oysters were being smuggled into Moncton during the close season, and there being no Fishery Officer near, I instructed Overseer Deacon to visit that town occasionally and put a stop to the illicit trade. The following is his account of the result: "Under your instructions in June last, I visited Moncton several times, and found that quantities of oysters were smuggled in there during the close season and sold. I managed to detect the parties engaged in the business, and brought an action against Tenus Gallant and fined him. I hope to prevent any infringement of the law in future." Mr. Deacon expresses his regret that no action has been taken to resuscitate the once valuable oyster beds of Shediac, upon which he has so often reported, and adds that they are now almost extinct, and he recommends that they be leased to some person who will undertake practical oyster culture. Considering that they are now useless to anyone, I can see no reasonable objection to this course.

OVERSEER D. T. CORMIER, of Dorchester Bay district, reports that the catch of shad was very good both in quality and quantity, from the last week in June till the last week in July. From that date until 1st October they were very scarce, after which for one week they were again plentiful and a large catch was made. Two small vessels and six boats were engaged in cod and herring fishing, and all made good fares.

ALBERT COUNTY.

OVERSEER AKERLEY reports a small increase over that of last year in the catch of shad, which were of good quality. While the net fishermen did well the weirs were very unsuccessful. Gaspereaux were more plentiful than last year, and smelts abundant in the spring months. These fish are caught only for home consumption. Line fishing was not so good as last season, and but little was done in this business. He reports a falling off in the catch of salmon for several years past and attributes it to the extension of lumbering and milling operations. He reports that the fish ways are kept open, and the law generally well observed.

VICTORIA COUNTY.

OVERSEER McCLOSKEY reports as follows: "I am pleased to be able to state that salmon fishing has been good, compared with previous years. The returns fall short of the catch, for the fishermen will not give full returns, under some mistaken notion that it will lead to their being taxed. I find it exceedingly difficult to persuade the settlers on the Tobique River to procure nets, take license, and fish legally. They, and the Indians, have always been accustomed to use the spear, and it is difficult to induce them to leave off their old habits. Indeed, nothing but stringent measures will succeed in doing so. The present staff of officers is quite insufficient to guard the river effectually. In former reports, I have expressed my conviction that two special officers are needed, who should spend their whole time on the river, from June until October, and I am now more fully satisfied that until such men are employed, who should have no connection or sympathies with the settlers, but little real good will be accomplished." In the month of September last I crossed the portage between Nepisiguit Lake and Victor Lake, the head waters of one branch of the Tobique River. Overseer McCloskey met me at the portage, and, in company, we descended the river to its mouth, a distance of about 125 miles. He pointed out to me all the peculiarities of the river, and directed my attention to the localities which most required to be protected from the spears of settlers and Indians. For intervals of many miles there are no settlers at all, and what few we found are scattered long distances apart, so that with the best efforts the few wardens could make, it would be impossible for them to prevent illegal fishing, except in their own immediate neighborhood.

CARLETON COUNTY.

OVERSEER BURT, the officer appointed to fill the vacancy caused by the death of late overseer Harrison, reports that very few salmon were taken in the county. He says:—"The continual throwing into the river of the debris from the mills (of which there are thirty-six along the river and on its tributaries), must entirely destroy the fisheries of the St. John. My predecessor in office, in the discharge of his duty, prosecuted thirteen of the most open and flagrant violators of the law, secured convictions and fined the offenders; but, through some influence, the Minister of the day was induced to remit the fines, and stop any further legal proceedings. The consequence has been, that the work of destruction has been continued ever since, more openly and more defiantly than ever. Under these circumstances, I have felt considerable delicacy in enforcing the law in this respect, until I received some special orders in reference to the matter."

YORK COUNTY.

OVERSEER ORR, reports as follows:—"Owing to my recent appointment, I am unable to make any statement as to the increase or decrease of salmon the present season as compared with last. The abuses I find in the district are illegal netting, spearing, and the throwing of sawdust and mill refuse into the rivers. The sawdust from the Pokiok and Nashwaak mills has been particularly injurious, as the quantity was very large. There is but one fish-way in my district and this needs repairing. It has not been kept open during the season. There is no close time for white fish, and large numbers are killed in my district when on the point of spawning. This is a very valuable fish and should be allowed to increase. I would recommend that a close season be provided to cover the spawning time, say from the 1st November to 1st January."

The reports of wardens Brown and Campbell state that the catch of salmon was larger than last year. That of bass and shad less. Mr. Brown still urges his views on the destructive effects of sawdust on all the fisheries of the river.

SUNBURY COUNTY.

OVERSEER HOBEN reports a good catch of gaspereau, and a fair catch of salmon, bass and shad, almost all of which is used in home consumption. He states that the close seasons were well observed, and the law generally respected by fishermen, but mill owners pay little attention to the saw-dust law, and claim immunity from its provisions.

QUEEN'S COUNTY.

OVERSEER HETHERINGTON reports as follows: "I am pleased to be able to state that salmon is again returning to Canaan and Salmon Rivers. They are, doubtless, the young fish placed in these streams from the Miramichi Hatching House, and I hope that further quotas will be given the coming spring. As the water was high in these rivers last fall, no doubt the fish reached the old spawning grounds unmolested. Gaspereaux and shad have been scarcer than ever before, but trout seem to increase instead of diminish in numbers. Some attention is being directed to the capture of sturgeons, which fish, although plentiful in our waters, has not hitherto been an article of food or commerce. I understand that preparations will be made next summer to pursue this fishery in a systematic manner, as there is a demand for the flesh in American markets, and the offals yield a large quantity of valuable oil. But one party, so far as I know, has paid any attention to the capture of this fish. He informs me that he has usually commenced fishing early in July and continued to fish until about the 10th September, when the fish disappear from their usual summer haunts. He says he finds them full of roe until about the 1st September, when they deposit it. From what I can learn their spawning time would appear to be short, as in the space of two weeks the work seems to be done, and they leave their spawning places. They are caught in gill nets of very large twine, having a mesh of about a foot in extension; but, as the largest fish are the most profitable, my informant thinks a still larger mesh would be preferable." Hitherto, the sturgeon has been considered a useless fish by our people, who will not use it for food. If it can be turned to profitable use, it will develop a new industry on the river. Until its pursuit becomes a regular business, I see no necessity for hampering it with any close season, or discouraging it by any regulations.

KING'S COUNTY.

OVERSEER BELYEA, of Westfield and Bellisle district, reports that salmon fishing was better last season, than for several previous ones, but that in bass, shad and

gaspereaux, there was a falling off from last year's catch, on account he thinks, of high freshets, which prevented these fish from ascending the falls until the fishermen had gone to work on their farms. He states that the law was generally obeyed and the close season respected.

OVERSEER GOSLINE, of Kennebecasis and its tributaries, reports a considerable increase in the numbers of salmon that visited the streams during the past season. The heavy rains of June and July kept the river in a good condition for their ascent, and the deep pools afforded them protection from poachers. Increased numbers of salmon fry were seen in the upper waters, and reasonable hopes are entertained that this once well stocked river may yet be restored. I would respectfully recommend that about 50,000 young fry, from the Hatching Houses, be placed in this river annually for the next three years, as a help to the natural increase of the limited stock it now contains.

ST. JOHN COUNTY.

OVERSEER O'BRIEN reports a slight increase in the catch of all kinds of fish during the last year. This improvement has been very encouraging to the Harbor fishermen, as the poor catch for several years past had produced a feeling of depression among them. Mr. O'Brien says that the improved catch of salmon has caused increased preparations for *drifting* outside the Harbor limits, which all admit is a very destructive mode of fishing, and one which must, if continued, end in the total extinction of the Harbor fisheries. The lobster fishery of the south shore was pursued on a larger scale and in a more vigorous manner than formerly, and proved remunerative. There is every prospect that this fishery will continue to expand, and give employment to a large number of persons. The fishermen of the Harbor are strongly opposed to the extension of the weekly close time for shad and gaspereaux, and Overseer O'Brien anticipates great difficulty in enforcing it. There can be no doubt that on the enforcement of this close time, the very existence of these fisheries in the waters of New Brunswick depends.

OVERSEER SKILLIN, of St. Martin's district says:—"You will notice by my returns that a very much larger number of vessels and men are employed in my district this year than formerly. This increase is not entirely from our own people, but partially from Campo Bello, Deer Island, and St. Andrews. The vessels from these places make Ten Miles Creek their head quarters, and from this place quite a number of Gloucester fishermen were supplied with bait, for which they paid one dollar a barrel. The catch this season has been good and profitable, even at the low prices ruling. Shad were caught at Martin's Head and Long Beach this summer, the first of any account for a number of years. In quality they were the best I ever saw. The fish-ways have been kept open and are in good repair, and salmon have no difficulty in ascending them."

CHARLOTTE COUNTY.

OVERSEER TODD, of St. Croix district, has proved to be a most intelligent, active and useful officer. He performs his onerous duties in a most satisfactory manner, and has been very successful in working a much needed reform among the mill owners of his district. He reports the catch of fish about the same as last season, with a small increase in salmon and gaspereaux. The great difficulty Mr. Todd has now to contend with is drifting for salmon at night, and he needs the assistance of a night guardian, while the salmon are passing the fish-ways. These are all in good repair, and all are of easy passage, except the one at Vanceboro', and one on the lower St. Croix dam. The former will be improved next season, and Mr. Todd urgently begs that about \$75 may be appropriated by the department to extend and improve the latter. I have already called attention to the importance of having this done. The "Salmon

Falls" are almost impassable for gaspereaux, on account of their height. Mr. Todd says this can be easily remedied by blasting off the rock at the pitch, when the water is low, and this can be done at a small expense. I beg to recommend that Mr. Todd be authorized to expend the sum of \$100 in making these improvements. Both salmon and alewives have steadily increased in the St. Croix since the dams were opened to their ascent, and if the above improvements were made, they will increase still faster. Mr. Todd mentions with pleasure that Messrs. Stilwell and Smith, the Fishery Commissioners of Maine, visited the St. Croix last summer, and expressed great satisfaction at the improved state of the river, and also their determination to have the laws enforced on the American side. The small brush weirs on the St. Croix should be at once abolished, as they are very destructive to young fish. The water leaves them dry at low tide, and all the fish in them perish. The largest part of these consist of small and unmarketable fish, and are wholly wasted. I have instructed Overseer Todd to give notice that none will be allowed next season in any place where the tide leaves them entirely dry.

OVERSEER CUNNINGHAM, of Inner Bay, reports that the herring fishery does not show so good a return as last year, as the American fishermen now catch their bait, and do not, as formerly, buy from our fishermen. In small herring there has been a brisk trade, as they are in demand for the manufacture of "sardines," at Eastport, and this business will probably expand into large proportions. Mackrel struck into the Bay in August, and continued until about the middle of October, but they did not take bait freely, and not a large catch was made. In haddock and hake there has been rather a falling off in the shore fishery, owing to the extensive use of set lines outside. The lobster fishery still continues to yield large returns. Eastport men have bought more largely this season, which will account for the decreased business in the St. Andrew's Canning House. Mr. Cunningham considers the extended close season will be of great advantage to the increased growth of the fish.

OVERSEER BEST, of Beaver Harbor and Letete district, reports that the season has been, on the whole, a prosperous one for the fishermen. His returns show an increase in all kinds of fish taken in his limits. The close seasons were well observed, and he reports no violations of the law.

OVERSEER LORD, of Deer Island, reports that the catch of line fish has been about the same as last year; had there not been a scarcity of bait the catch would have been considerably larger, as fish were plentiful. He reports an improvement in the number and quality of the vessels and boats employed in line fishing. Many fishermen have now provided themselves with vessels of a superior class, which enables them to go further off shore in prosecuting their business. The catch of lobsters was somewhat smaller than usual. Weir fishing was almost a failure, and but few herrings have been smoked. A large demand has arisen for small herrings, to be put up as sardines, and as this business is increasing, good prices will be obtained next season. Mr. Lord thinks that the prospect for next season is good, as vast bodies of young herrings frequented the shores all through the summer. The catch of net herrings for salting and freezing has, so far, been good this winter; two cargoes of frozen fish having already been shipped to New York, and a large quantity to Montreal.

OVERSEER BROWN, of Campo Bello, reports a very poor season for weir fishermen, and also a decrease in line fish.

OVERSEER McLAUGHLIN, of Grand Manan, furnishes the following able and thoughtful report. As Mr. McLaughlin is an intelligent officer of long experience, I give his report entire in his own words.

"The mackerel fishery in my district has been neglected for nearly half a century, and I have therefore no report to make on the catch of this fine fish; except to mention the fact that fish of good quality show themselves in the waters of this district every year, and are taken in nets and weirs set for herrings, and frequently with hook and line by pleasure parties.

"The herring net fishery of this year, compared with the two past years, is on the increase in these waters, which fact confirms my surmises, in the former reports, that

a great body of adult herrings migrated from the North American Coast, during the summer and autumn of 1877. Net herrings of good quality, but not fully matured, have been taken in large quantities in all the waters of my district, and, at the time of writing; the water in front of my house, in the spawning ground limits, is alive with net herrings. They are also abundant in other parts of the district. This increase in fish has naturally resulted in an increased catch over last year.

"While weir fishing has been a complete failure in Seal Cove and Wood Island, from causes hereinafter mentioned, the catch in other parts of the district has been good. Herrings of excellent quality have been taken in unusually large quantities in the weirs situate in Cow Passage and Cheney's Passage. Not less than half a million boxes of herrings of excellent quality have been put up in the district this season.

"Cod fishing has been good the whole year through, and the catch shows an increase over last year. Pollack are in excess of last year's catch, and the catch of hake equals that of any previous year, with a very encouraging increase in market value of all kinds of fish taken in my district. Haddock and halibut are also in excess of last season. While the returns show a falling off in the lobster fishery of 14,536 cans, I am of opinion that the actual catch is equal, if not over, that of last season; but the increasingly large quantities disposed of alive to the Eastport and Jonesport smacks, for Canning Establishments in the neighboring State, precludes an exact estimate.

"I may here state what I intimated above, that the principal cause of the entire failure of the herring weirs in Seal Cove and Wood Island, is the immense quantities of gurry distributed over the sea bottom in traps as lobster bait. This gurry, or bait, so taints the water that herrings will not swim through it, and therefore they keep off shore during the season for lobster fishing, and until too late in the fall for the weirs to fish. If this belief be correct (and it is entertained by our most intelligent fishermen), the lobster fishery is not so great a blessing to our people as is generally supposed. Seal Cove Sound and Long Pond Bay, formerly good herring grounds, are the great lobster fisheries of Grand Manan. The increase of bait (fry of herrings), in these waters, is as wonderful as it is reassuring of a future supply of this valuable commercial fish, and is proof sufficient that spawning ground protection should be continued in this district. This year has not permitted any relaxation of my duties. The increase of fish and fishermen has demanded extra exertion, on the part of myself and wardens, to enforce the various sections of the Fisheries Act. Fishermen have manifested a disposition to bid defiance to law and order, not so much from viciousness as from the greed of gain. I have, therefore, been compelled, for the first time during my tenure of office, to impose fines on a number of parties. In this action I am supported by public opinion. I herewith transmit the report of Warden Gilmour, of North Head Division. It will tell its own story. I have made diligent enquiry at North Head and am informed by respectable people that the weekly close time is not observed, and many of the people are of the opinion that Warden Gilmour is not the "right man in the right place." The office is really no benefit to Mr. Gilmour, and certainly does not compensate him for loss of time, to say nothing of the ill-will he incurs from fellow fishermen. I therefore, after mature consideration, am fully persuaded that wherever a Lighthouse is situated near the fishing grounds, the light-keeper should be appointed Fishery Warden, for these reasons: Lighthouses are generally placed upon prominent points of the coast, and are provided with a good boat and spy glass. The keepers are under no obligations to fishermen for a livelihood. Their salaries, as light-keeper, are quite small; an additional allowance as Fishery Warden would be a great benefit to them, and they could attend to the duty of looking after the fisheries without interfering with their livelihood. Swallow Tail Lighthouse is situated on a promontory near the centre of the North Head Division, of my district. The keeper, John W. Kent, is a fine gentlemanly man, whom the people esteem and respect. An additional salary of \$40 or \$50 would enable him to enforce the few sections of the Fisheries Act that apply to the North Head division, and I am fully convinced that the fishing interest at North Head demands, either that Warden Gilmour's request for a large boat and a man to assist him, be granted, or

that Mr. Kent be put in charge of the North Head division of my district, with an additional allowance for his services as warden. In making these suggestions, I wish to say, that I am not preferring any charge against Warden Gilmour. I am sure he has done what he could; but I make the statements as they come to me from himself and others, and I make the suggestion as a matter of economy, for the interest of the fisheries, and the general benefit of all concerned therein. I also repeat my former request in reference to "White Islands," which are still at the mercy of transient fishermen.

"The people of my district are generally industrious, prosperous, temperate and happy, and could Government establish a saving institution, (say a Post Office Savings Bank), for their surplus earnings, they would soon be a wealthy people. As now situated, they have nothing in which they can invest their surplus earnings, which generally fall into the hands of quacks and peddlers."

I have the honor to be, Sir,

Your obedient servant,

W. H. VENNING,
Inspector of Fisheries, N.B.

APPENDIX

RETURN showing the Number, Tonnage, and Value of Vessels and Boats and Quantities of Fish, and the Total Number of Men employed,

COUNTRIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.										
	Vessels.			Boats.			Nets.		Weirs.		Salmon, brls.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, brls.	Mackerel, in cans.	Herrings, brls.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.								Value.
<i>Restigouche.</i>																	
From Belledune to Dalhousie.....					122	1464	152	22880	5680			40	375114		70		600
From Dalhousie to Head of Tide.....													135262				
Total.....					122	1464	152	22880	5680			40	510376		70		600
<i>Gloucester.</i>																	
Madisco.....					90	1500	150	8000	8000				111850	3840	175	10320	2000
Bathurst.....					30	600	60	5300	5300				87670		450		600
New Bandon.....					100	2000	200	2750	2750				36450	5000	1500	7000	3000
Caraget.....	8	325	9750	30	300	48000	700	1500	750						70		9000
Shippegan.....	3	45	1350	9	110	16500	330	6000	3000						2300		1600
Pokemouche.....					60	650	90	1500	800						500		100
Tracadie.....	2	27	700	7	24	2450	27	1250	540						550		2100
Total.....	13	397	11800	46	714	71700	1557	26300	21140				235970	8840	5545	17320	18400

No. 14.

engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds &c., in the Province of New Brunswick, for the Year, 1879.

KINDS OF FISH.													FISH PRODUCTS.			VALU.			
Herrings, Smoked, in boxes.	Alewives, brls.	Cod, cwt.	Cod Tongues and Souids, brls.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, brls.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, brls.	Oysters, brls.	Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as Manure, brls.	\$	cts.
.....	300	.....	.....	.....	.....	.....	.....	.....	1200	1220	15	.....	61200	90	184	500	73,734	20
.....	20,289	30
.....	300	.....	.....	.....	.....	.....	.....	.....	1206	1220	15	.....	61200	90	184	500	94,023	50
.....	2200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	130130	.....	.....	.....	57,905	00
.....	3000	.....	.....	.....	.....	.....	.....	2000	.....	30000	25	.....	110000	.....	.....	.....	50,545	50
.....	2000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	524128	.....	.....	.....	121,886	70
.....	13000	128	.....	5200	.....	.....	.....	.....	3000	5000	.....	1750	.....	14000	.....	250	125,851	00
.....	10000	15	.....	2000	.....	.....	.....	.....	.....	.....	.....	2000	.....	115000	7000	.....	106,805	00
.....	800	450	.....	.....	.....	.....	.....	3500	2000	20000	40	.....	45500	175	.....	.....	19,541	25
.....	310	3400	12	1500	.....	2200	.....	6600	10700	28000	110	.....	150000	3000	.....	.....	62,684	00
.....	1110	34050	155	.....	8700	.....	2200	.....	12100	15700	83000	175	3750	1074758	24175	.....	250	545,218	45

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.									
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.							Value.
<i>Northumberland.</i>																
Tabusintac Bay and River			\$		\$		1900	150				300			20	
From Neguac Island to Burnt Church	3	18	600	9	50	1500	100	4900	1780			9340			65	
From Portage Island to Lower Newcastle.....	2	45	1100	4	99	1690	91	19900	9210			103840			130	
Point Escuminac, Hucklebury, Egg, Fox and Bay du Vin Islands and Bay	20	100	1000	85	85	1700	114	7354	7354			111160	7000	4640	55	10000
Napan and Black Rivers and from Bay du Vin to Beaubair's Island...					50	1000	75	7850	3140			56400				
From Chatham Ferry to Head Waters, North-West								4033	3500			69645				
From Beaubair's Island to Blackville												35170				
Blackville Parish.....												9280				
Blissfield					17	120	17	341	170			800				
From Doaktown to Hovey Island.....								500	100			2660				
From Hovey Island to Burnt Hill.....												2608				
	25	163	2700	98	301	6010	397	46778	25404			401203	7000	4640	270	10000

Boats engaged in the Fisheries, &c.—New Brunswick—Continued.

KINDS OF FISH.														FISH PRODUCTS.		VALUE.						
Herrings, brls.	Herrings, Smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, brls.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.		Fish Oil, gallons.	Fish Guano, tons.	Fish used as Manure, barrels.			
		180									2000	48000	40	200						\$	cts.	
240			900					600		3000	1200	22000	6				350				3665	00
		25								880	500	230900	2	200	28000						28828	80
220		110	210	22		110				4296		64620		1300	139000		95				50803	61
		220								500		618922		10							28187	66
										64222			15								14435	07
		15																			5350	50
		3									300										1392	00
		6																			153	00
																					429	00
																					391	20
460		559	1110	22		110		600		72898	4000	984442	63	1710	167000		445				141701	34

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.									
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.							Value.
<i>Kent.</i>																
From Shediac to Richibucto	12	100	1860	37	740	13770	1580	32350	16970						2470	8886
From Richibucto to Escuminac	4	130	1800	8	160	3700	680	8050	6860	3800	5700	40000	84000	800	3000	
Total	16	230	3660	45	900	17470	2260	40400	23830	3800	5700	40000	84000	3270	11856	
<i>Westmoreland.</i>																
Shediac River to Cape Jourimain					500	5000		2500	2500						1000	
Dorchester Bay and Cumberland Basin to Shepody Bay	2	30	200	12	62	598	142	16800	3760							
Total	2	30	200	12	562	5598	142	19300	6260						1000	
<i>Albert.</i>																
From Hopewell to Point Wolf River					27	675	80	2880	980	10	900	25				
<i>Victoria.</i>																
From Carleton Co. line to Grand Falls													1800			
<i>Carleton.</i>																
.....					20	170	40	550	160				4000			
<i>York.</i>																
From Sunbury Co. line to Carleton Co. line...					34	136	40	1108	527				21460			

Boats engaged in the Fisheries, &c.—New Brunswick.—Continued.

KINDS OF FISH.															FISH PRODUCTS.			VALU.			
Herrings, barrels.	Herrings, Smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Soundings, barrels.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.		Fish used as Manure, barrels.		
2720	.....	520	770	34	470	410	10500	.....	.....	4900	6440	214846	267	3570	1310872	965	...	25	263988	23
850	.....	580	650	21	.....	350	.....	.....	20	28000	2000	212000	110	190	595000	350	.....	.....	145242	00
3570	.....	1100	1420	55	470	760	10500	.....	20	32900	8440	426846	377	3760	1905872	1315	...	50	409230	23
6000	1500	.....	.....	.....	.....	.....	.....	.....	.....	4000	2500	74000	200	200	480592	.....	.....	300	111623	80
320	.....	...	200	.....	220	146	5000	.....	2240	.....	.....	.....	.....	.....	.....	730	.....	.....	21980	50
6320	1500	.....	200	.....	220	146	5000	.....	2240	4000	2500	74000	200	200	480592	730	.....	300	133604	30
95	175	65	28	.....	22	155	2700	2200	685	1300	10500	9500	.....	.....	.....	175	.....	.....	8675	50
.....	270	00
.....	50	300	1000	1078	00
.....	3219	00

RETURN showing the Number, Tonnage and Value of Vessels

DISTRICT.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.								
	Vessels.			Boats.			Nets.		Weirs.		Salmon, fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, bris.	Mackerel, in cans.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.						Value.
<i>Queens and Sunbury.</i>															
French Lake, Sheffield.....					20	300	40	800	160						
Oromocto River.....					10	150	20	400	80				200		
Sheffield					10	150	20	350	100						
Maquapet Lake.....					10	150	20	350	100						
Hart's Lake.....					12	144	24	300	100						
Jemseg and vicinity					22	264	44	500	250						
Otnabog					10	120	20	150	120						
St. John River.....					50	600	75	800	400				500		
Oromocto, French Lake.....					20	240	40	800	400						
Washademoak					65	1250	85	3600	1400				353		
Total					229	3368	388	8050	3110				353	700	
<i>Kings.</i>															
Kennebecasis and Smith's Creek															
Westfield and Nerepis.....					37	450	37	1713	1047				16000		
Total					37	450	37	1713	1047				16000		
<i>St. John.</i>															
From Quaco Head to Point Lepreaux, including St. John Harbour	38	849	17500	249	290	19500	710	98500	69000	31	10000		243500	40000	
From Goose River to Quaco Head	12	290	9000	70	14	460	30	450	1600	2	180		500	10	
Total.....	50	1130	26500	319	304	10960	740	98950	70600	33	10180		244000	40000	

and Boats engaged in the Fisheries, &c.—New Brunswick—Continued.

KINDS OF FISH.													FISH PRODUCTS.		VALUE.							
Herrings, brls.	Herrings, Smoked, in boxes.	Alewives, brls.	Cod, cwt.	Cod, Tongues and Sounds, brls.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, brls.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, brls.	Oysters, brls.		Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as Manure, brls.			
		200							6	1000										\$	cts.	
		100								500												1,108 00
		75																				560 00
		75							6	500												375 00
		50																				453 00
		110																				250 00
		30							5													590 00
		150							40	2000												1,265 00
		200								1000												1,060 00
		660							34	2000, 600						280						3,962 95
		1650							91	7000 600						280						9,773 95
110		60				50			40	210 500			6									1,331 00
		150							5	2200												3,322 00
110		210				50			45	2410 50 0			6									4,653 60
16200		9500	6000	100	2000	3400	100000	80000	270	20000			20		10000	1500		420				209,450 00
800			4500		1000	16	28000	2000	65													27,676 00
17000		8500	10500	100	3000	3416	128000	82000	335	20000			20		10000	1500		420				237,126 00

RETURN showing the Number, Tonnage and Value of Vessels and

DISTRICTS.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.											
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels.	Herrings, Smoked, in boxes.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.									Value.
<i>Charlotte.</i>								\$		\$								
St. Croix District.....					27	1760	81	120	75	6	240	3000		225		240		
Inner Bay, Passamaquoddy....	6	90	2400	23	37	2680	80	2800	1200	1	400			480		2900		
Lepreaux, Beaver Harbour and Latéte.....	36	504	15500	179	106	3150	212	22480	11240	11	4600					55800	4000	
Deer Island.....	24	500	9600	160	254	13800	261	17500	9700	32	12800					2600	24000	
Campo Bello.....	13	214	4825	49	135	4436	207	7347	2190	24	2400					5720	55530	
Grand Manan....	18	500	13000	98	375	30500	360	15000	13500	25	12500			10		7000	600000	
Total.....	97	1808	45325	509	934	56326	1200	65247	37905	99	32940	3000		715		74260	683530	

Boats engaged in the Fisheries, &c.—New Brunswick—Continued.

KINDS OF FISH.													FISH PRODUCTS.			VALU.			
Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bas, lbs.	Trout, lbs.	Smelt, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as Manure, barrels.			
																	\$	cts.	
300	100				20000				2000	3000								6,495	00
38			250	530	5700				1500				56269	2600	25	200		30,164	85
.....	2400	25	1150	15608	529000								27000	18487	350	50		333,084	55
.....	2240		3700	6000	270000								12560	17000	50	40		83,024	00
.....	1024		3346	2367	1350								55000	4038				72,025	45
.....	10500	26	8090	30000	300000	200000							163688	55222	50	3500		441,354	50
328	16264	51	16446	54505	1126050	200000			3500	3000			314517	97337	475	3790		966,148	35

RECAPITULATION showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—New Brunswick—Continued.

No.	Com.tries.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				KINDS OF FISH.								
		Vessels.		Boats.		Nets.		Weirs.		Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels.	Herrings, Smoked, in boxes.				
		Tonnage.	Value.	Men.	No.	Value.	No.	Value.	No.								Value.	Rathoms.	Value.	
1	Restigouche.....	.....	\$	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Gloucester.....	13	397	11800	46	714	71700	1557	26300	2140	.....	.....	.....	.....	.....	600
3	Northumberland.....	25	163	2700	93	301	6010	397	46778	25101	.....	.....	.....	.....	.....	18400
4	Kent.....	16	230	3660	45	900	17470	2260	40400	2380	*3802	5700	.....	.....	.....	460	
5	Westmoreland.....	2	30	200	12	562	5398	142	19340	6260	.....	.....	.....	.....	.....	3570
6	Albert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6320
7	Victoria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1500
8	Carleton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95
9	York.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	175
10	Queen's and Sunbury.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	King's.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	St. John.....	50	1130	26500	310	304	10900	710	99500	70600	.....	.....	.....	.....	.....	.....
13	Charlotte.....	97	1808	45325	509	934	56326	1200	65247	37905	.....	.....	.....	.....	.....	.....
	Total.....	203	3758	90185	1020	4184	174267	7033	324156	196643	142	44020	65	1478162	47700	97480	10830	39176	120816	685405

*Lobster traps.

RECAPITULATION showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—New Brunswick—Concluded.

No.	COUNTRY.	KINDS OF FISH.													FISH PRODUCTS.			VALUE. \$ cts.
		Alewives, barrels.	Cod, cwt.	(Cod Tongues and Souds, barrels.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	TROUT, lbs.	SMELT, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.		Fish used as Manure, barrels.
1	Restigouche.	1110	300	155	8700	2200	2200	50	12100	1200	83000	1220	15	61200	91	184	500	94,023 50
2	Gloucester	559	1110	22	110	600	600	91	12100	15700	83000	175	3750	1074758	24175	250	250	545,218 45
3	Northumberland.	1100	1420	55	760	10500	20	32800	72898	4000	984442	63	1710	167000	445	50	50	141,761 34
4	Kent	200	200	220	146	5000	2240	4000	2500	8410	426846	377	3760	1908872	1315	300	300	408,230 23
5	Westmoreland.	65	28	22	155	2700	2200	685	1300	10500	9500	200	200	480392	175	175	175	133,604 80
6	Albert	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,675 50
7	Victoria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	270 00
8	Carleton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,078 00
9	York	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,219 00
10	Queen's and Sunbury	1630	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,773 95
11	King's	210	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,653 80
12	St John	8500	10500	100	3090	3418	128000	82000	335	20000	.....	.....	.....	.....	.....	.....	.....	237,126 00
13	Charlotte	328	16'64	51	164'6	54505	2000000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	966,148 35
	Total	13522	63872	383	20158	67842	1272250	287000	3466	152908	47940	1582008	856	9420	4013939	126047	659	2,954,722 22

RECAPITULATION

Of the Yield and Value of the Fisheries of New Brunswick during the year 1879.

Kinds of Fish.	Quantities.	Prices.		Value.	
		\$	cts.	\$ cts.	
Salmon, Pickled.....	65	barrels	at.....	15 00	975 00
do Fresh, in ice.....	1,478,162	lbs.	".....	0 15	221,724 30
do Smoked.....	47,700	"	".....	0 15	7,155 00
do in cans.....	97,480	"	".....	0 25	24,370 00
Mackerel.....	10,880	barrels	".....	10 00	108,800 00
do Preserved.....	39,176	cans	".....	0 15	5,876 40
Herrings.....	120,815	barrels	".....	4 00	483,260 00
do Smoked.....	685,205	boxes	".....	0 25	171,301 25
Alewives.....	13,522	barrels	".....	5 00	67,610 00
Cod.....	63,872	cwt.	".....	4 25	271,456 00
do Tongues and Sounds.....	383	barrels	".....	7 00	2,681 00
Pollack.....	20,158	cwt.	".....	3 50	70,553 00
Hake.....	67,842	"	".....	3 50	237,447 00
Haddock.....	12,722 $\frac{1}{2}$	"	".....	3 50	44,528 75
Halibut.....	287,000	lbs.	".....	0 06	17,220 00
Shad.....	3,466	barrels	".....	8 00	27,728 00
Bass.....	152,908	lbs.	".....	0 06	9,174 48
Trout.....	47,940	"	".....	0 06	2,876 40
Smelt.....	1,582,008	"	".....	0 03	47,460 24
Eels.....	856	barrels	".....	9 00	7,704 00
Oysters.....	9,420	"	".....	3 00	28,260 00
Lobsters in cans.....	4,013,939	cans	".....	0 15	602,090 85
Fish Oil.....	126,047	gallons	".....	0 65	81,930 55
do used as Manure.....	5,310	barrels	".....	0 50	2,655 00
do Guano.....	659	tons	".....	15 00	9,885 00
Total, 1879.....					2,554,722 22
do 1878.....					2,305,790 69
Increase.....					248,931 53

APPENDIX No. 15

REPORT OF J. H. DUVAR, ESQ., INSPECTOR OF FISHERIES FOR THE
PROVINCE OF PRINCE EDWARD ISLAND, FOR THE YEAR 1879.

ALBERTON, P.E.I., 31st October, 1879.

The Honorable the
Minister of Marine and Fisheries.

SIR,—I have the honor to forward Return statement of the yield of the sea and inland fisheries of the Province of Prince Edward Island, for the year 1879, also report thereon.

GENERAL SUMMARY.

The yield of all the coast and sea fisheries of this Province has been unprecedentedly large this year. The number of men engaged, and the value of materials employed remain about the same as last year—say, five thousand men with one hundred and fifty thousand dollars' worth of equipment; the spread of nets being probably not over forty to fifty thousand fathoms, notwithstanding which the take of the staple fish has been almost double the average in quantity. In 1878 the quantity of herring taken, altogether, by fixed nets, was 13,570 barrels, against 24,079 barrels this year, being an increase of 10,509 barrels; of mackerel, taken almost all by hook and hand-line, 36,482 barrels in 1878, against 70,085 barrels this year, being an increase of 33,603 barrels; cod, hake and ling, taken solely by hook, either on hand or set lines, 25,333 hundred weight in 1878, against 51,791 hundred weight this year, being an increase of 26,458 hundred weight. Haddock show an increase of 91,896 pounds, and in all other products of the sea an increase is observable. Lobsters exhibit an increase amounting to 623,025 cans over the large catch of last year. In consequence of low prices abroad, oysters have not shared in the general increase. The fresh water fisheries show a falling-off to some extent. The diminution shown of 9,000 pounds of trout, however, is accounted for by the Dunk River, from which large quantities of fish were formerly taken, being this year entirely closed, and by the stricter preservation of the other reserved rivers. The small amount of salmon fishing has still further decreased.

Assuming the official values to be retained for the sake of comparison, a sum of \$268,824 on mackerel, \$42,036 on herring, \$101,208 on cod, hake and ling, \$124,605 on lobsters, with a considerable amount on other fish, over and above the total returns of last year, has been harvested from the sea. Even at the reduced prices to which dull markets and so large a catch naturally give rise, this year's yield, if bought from the boats, or at the stages on the beach at the unusually low rate of \$2.50 or \$3.00 per barrel, would exceed the total official value of last year's catch by a sum of over seventy thousand dollars.

There is no noticeable feature in the manner of sea-fishing this year, excepting a tendency to use larger boats and an increased number of trawlers. Few of our home fishermen possess mackerel seines. Cod are not seined on this coast. Bait has been in fair quantity, but occasionally the supply of salt ran short in places. The quality as regards size and fatness of spring herring, and especially of mackerel, was

at first inferior to medium, but improved towards the close of their respective seasons. Average wages were made by the hands engaged in the fisheries and dependent industries, but the employers anticipate low markets for the products.

The quantity and value of fish used for home consumption—estimating the number of families in the Province at 16,000, and the population 100,000—would be of mackerel, 8,000 barrels; herring, 12,000 barrels; dry cod and ling, 24,000 hundred-weight: a total official value of \$180,000, or one-fifth in value of this year's catch. Other fish detailed in the report may be said to be altogether used fresh for home food, to the value of \$5,000. A few lobsters, but, since the factories became so numerous, only a *very* few may be added for home supply. Probably one-fourth of the herring and all the alewives were expended for bait.

The several close seasons have been comparatively well observed in this fishery division. Illegal fishing in the reserved and other rivers is not quite extinguished, but the Wardens report that such offences have been less frequent than in previous years. Several cases have been detected and dealt with. Two causes, resulting in convictions for canning lobsters after the commencement of the close season, were adjudicated upon, the details of which have been already laid before the Department. The crying abuse in this division is the pollution of the streams by mill and other refuse. Of the three hundred and eighty-six saw and other mills, and sixty tanneries, a considerable number have been communicated with, and a few remedied. Two fish-ways have been ordered to be in operation by the opening of spring, and several others are under consideration. Some changes have been made and others recommended in regard to the Wardens, with a view to increase the efficiency of the service.

A fish-breeding establishment, of much artistic design, has been completed on the Dunk River, Prince County, and having been inspected by Mr Wilmot, is now ready for operations.

Complaints against illegal practices on the part of foreign fishermen have been fewer than usual, for reasons hereinafter set forth. Ostensibly with the object of enquiring into the relations of American fishermen with the Canadian laws, the United States ship of war "Kearsarge," arrived at Charlottetown on the 3rd of August, and left that port on Tuesday, the 5th, for Shediac, thence to Pictou for coal, returning to Charlottetown on the 15th, and, leaving on the 16th, headed to the eastward, said to be *en route* for St. John, Newfoundland, *via* the Magdalen Islands. Subsequently, she was announced as having left the Magdalens for the southward, and was soon afterwards reported at Halifax, Nova Scotia. No account has been obtained of her having been seen in inland waters in the interim or since.

Various suggestions for the improvement and better protection of the fisheries in this division will be found under the respective headings, and are respectfully submitted.

Care has been taken to make the statement-return as accurate as possible, and in no case has the yield been exaggerated.

Streams and Estuaries.

With the exception of four reserved rivers, to be afterwards mentioned, there are, in the Province of Prince Edward Island, no rivers, properly so called, and no lakes. Excepting the four rivers referred to, the largest bodies of fresh water are but trout streams of the fourth or fifth magnitude. Local custom, followed by the map-makers, calls salt-water estuaries "rivers;" and from this verbal misnomer considerable obscurity has been thrown over previous reports to the Department. The peculiar conditions of the island account for the phrase. Science may surmise that some convulsion of nature, probably the one that split the Saguenay, upheaved the island, or then peninsula from the bed of the gulf. The contour of the island, as it now lies, is a gentle descent on all sides to the beach from an interior, which, at its highest elevation, is not very many feet above sea-level, and no spot of land is

more than eight or ten miles from salt water. The streams that drain the almost imperceptible slopes of a country so circumstanced can be little else than brooks running with a gentle current and occasional swirl down so slight a declivity as to give them an almost level bed. In course of ages the mouths of all these streams have become enlarged by action of the sea on the new red sandstone and sand of the soil formed therefrom, so that embouchures of considerable width run sometimes miles into the land in what, in a bolder landscape, might be called "fiords," or, rather, "voes," and the still encroaching sea following the winding course of the brook, fills the channel with salt water up almost to the source of the stream, or until met by some permanent obstruction such as a mill-dam. The receding tide lays a considerable width of margin bare. Above the point to which the tide rises the pellucid brooks have generally a gravelly bottom sufficiently suitable for spawning-ground.

From these features of the coast line it will be observed that a question of importance presents itself, namely, as to what is "tidal water" within the meaning of the Fisheries Act. Having already brought the matter to the notice of the Department, as well as treated it elsewhere, I leave it there; but have, in the meantime, made measurements of the lowest point to which the low tides of August last receded from the principal inlets. The fresh water flowing outward with a current so gentle as not to be able to penetrate the greater volume of sea-tide flowing inwards, is dammed up, and from the point of contact becomes not "tidal waters" but *backwater*. If this definition be admitted, it brings a good many additional miles of angling space under the provisions of section 7, sub-section 6, and section 13, sub-section 4, of the Act.

The fish found in the salt-water part of these rivers, creeks, estuaries, inlets or fiords, are brook-trout, sea-trout, and, in some few, salmon seeking access, more or less vainly, to a spawning-ground, bass in brackish ponds, as also, occasionally, varieties of sea-fish migratory or otherwise, chiefly, locally called "gasperaux," and respecting which I make some remarks under the appropriate heading. Mackerel penetrated many of the inlets this season, and were caught from bridges far inland.

In a majority of these estuaries no systematic attempt at fishery is made. Trout are taken whenever and however they can be caught. Families resident on the banks put out their nets for gasperaux whenever they can intercept the shoals, and the spearing of eels is made a pretext for the destruction of salmon wherever practicable, although it must be said that eels are far too abundant, and capturing them by the spear is a favorite and excusable amusement. It is, however, in the streams above the flow of salt-water that most of the mischief to salmonide is done.

In estimating the difficulty of thoroughly protecting the small but valuable streams of this island, it must not be forgotten that they *are* small and numerous, and frequently they flow through the poacher's own land. To which add that this Province contains a greater population to the square mile than any other country part of the Dominion, and the right to remorselessly murder fish and fowl has ever been regarded here as one of the inalienable rights of man. I am, however, enabled to say that, on the whole, the fishery officers have this season been able to make the law rather respected than not in most parts of the Province. The result is seen in an improved legitimate return of game, fish, and in the better spirits of anglers. *Appropos*, a protective association of sportsmen has been formed in Charlottetown under the name of the Fish and Game Protection Association, to which the fishery officers are indebted for moral and other support.

The drifting of saw-dust and mill rubbish is still an intense evil, and one not likely to be eradicated without much perseverance and trouble. There are about two hundred saw-mills and one hundred and fifty shingle-mills in the island, not one of which took any precaution against defilement of the streams until notified by the county overseers who were my predecessors, or myself. As the destructive practice of making the water the receptacle of wood rubbish has existed since the settlement of the country, the streams, in places, are literally paved with "water-sogged" wood, which continually gives off the poison of vegetable decay. Many of the mills are old,

and, from the clearing of the woods, are becoming less valuable. Erected in days when they were a boon to the country, and when no regulation prevented anyone making a sewer of the stream, many of the owners cannot now obey the Act without such a remodelling of the whole premises as would be a grievance. The mills themselves are a real grievance now-a-days, erected, as they mostly are, across the width of the stream, as near as possible to saltwater. Several fish-ways are, therefore, demanded, which I shall submit when further knowledge enables me to discriminate between what would be for the good of the public and what oppressive.

As regards the streams above mill-dams, possibly no power short of direct legislation will be strong enough to cause owners of land, through whose territory fishing-waters flow, to scour out their portion of the streams. Such a measure would probably be constitutional, although severe.

Reserved Rivers.

By Order in Council of 8th of October, 1875, the Dunk River, in Prince County; Winter, in Queen's, and Morelle and Middel, in King's County, were set apart for the natural and artificial propagation of fish. Dunk River has been wholly closed this season by verbal order from your Honor. By reference to the return statement it will be observed that the total estimated product of game-fish from the Winter, Morelle and Middel amounts to the veriest trifle, not more than equal to the salary paid the wardens on the banks. Any measures of protection are, therefore, of prospective advantage rather than immediate. Before these rivers can be stocked from the breeding establishment, as it is doubtless intended, a certain sum will require to be expended in removing obstructions, such as net and timber stakes, driftwood, &c. Such obstructions removed, all these rivers are well adapted for the purpose for which they are reserved. Considerable numbers of salmon run up, from the middle of October to the middle of November, for the purpose of spawning. Anglers report finding many smolts on their hooks. What proportion of the spawn vivifies it may be hard to say, exposed as it is to many adverse circumstances and countless enemies, among which not the less destructive are eels and, on the Winter River, domestic ducks.

Warden Garman reports a fair show of salmon came up the Winter River early in October. Warden McAuley states in like terms of the Middel. Warden Crane reports as to the head of the Morelle: "I can safely say there was no seining done at my end of the river. All the trout taken were by hook and line. Salmon usually come up about the 10th of October, but later this year owing to the water being low." And Warden McInnis, lower down the Morelle, believes the river is improving, but adds: "I may state that I have been informed that nets have been set although we did not succeed in catching them owing, in a great measure, to the difficulty of travelling." Warden Crane attributes the diminished take of salmon off the north coast of King's County to debris drifted out of the streams. The wardens on these rivers request to be supplied with boats. I may mention, the Dunk River runs a course of about eighteen miles from its source to the sea-tide, Morelle about fifteen, Winter about ten, Middel about eight, and each is fed by tributary brooks. These rivers are alike in their characteristics. All flow through a level country, once wooded, but now exposed to the sun in long stretches of land more or less cleared to the banks. Here and there are clumps of second-growth woods that shade the stream and give excellent cover for poachers while pursuing their vile occupation. From the time of the first settlement of the district through which these fine streams flow their waters was a storehouse from which a plentiful supply of fish could at all times be netted. Consequently, when the streams were set apart, and wardens were appointed, great indignation was excited among those who had been from childhood in the habit of resorting to the river at all seasons, too often to procure means for dissipation, for it is a notorious fact that the poaching fraternity is confined to the most worthless of the population. Such is the case in the vicinity of these streams.

The respectable residents on the banks are quite content to draw their supplies under legitimate restrictions, but the *mauvais sujets* of the locality, with others from a distance, have hitherto pursued their illegal "sport" in a determined manner, sometimes by force and disguised. The fear of punishment under a new *regime* may have some effect in checking their ardor, for, as above stated, no flagrant case has been reported this season in any of the rivers.

In Dunk river (besides some annoying trout angling), the mischief has mostly been done by spearing salmon in the spawning season by an organized band, the most of whose names are known to me, and some of whom I have warned individually. Probably the residence of the fishery officers at the hatching establishment, which is not far from the usual spearing shallows, may go far to extinguish the practice on the Dunk. In the meantime, by the authority of the Department, a night watchman has been employed until the end of the salmon "run."

The Order in Council, as regards the reserved rivers, requires to be administered with latitude, inasmuch as fly-fishing is a favorite pastime of the Prince Edward Islander, and it would not have been judicious to deprive him suddenly of his accustomed amusement in the four best rivers of his native province. By sanction of the Department, I therefore issued gratuitous angling "passes" good for the season, or until revoked by the Minister, for the Morelle, Winter and Midgel,—the Dunk being wholly forbidden. Eighty-seven such passes were issued in all, some for the season, some merely for a few days. The result has answered expectation. Every holder of a pass felt bound in honor to act as an amateur guardian of his favorite stream, consequently there has been less poaching, and, notwithstanding the permissions, fewer trout have been abstracted from the breeding streams. A few violations of the law were detected during the season, which were dealt with as far as practicable.

Salmon.

Salmon fishing, as an industry, may be said not to exist on the coast of Prince Edward Island. The few that are taken are merely as an accessory to other fishing. Our early local history narrates that once upon a time two ships arrived annually from old France to load with salmon at St. Peter's Bay. Now the total catch at St. Peter's is under 2,000 pounds weight. For the sake of comparison is appended the returns of this and two preceding years, showing that the diminution is not from accidental cause but from gradual decay.

Total take of 1877		18,440 lbs.
" " 1878.....		15,414 "
" " 1879.....		6,805 "

As already stated, arms of the sea are spoken of in local parlance as "rivers," and the confusion of terms in some previous reports to the Department must, I think, have caused misconception. When such or such "rivers" are spoken of as full of salmon, it means no more than that the fish were beating about in salt-water, endeavoring to make their way to the streams flowing into the estuary.

It is somewhat singular, and not quite to be accounted for by outlying reefs, that salmon, although they are off the coast, should strike within the reach of shore nets at only a few places. In the four reserved rivers, Dunk, Winter, Morelle and Midgel, they are in comparative abundance, generally between the dates of 10th October and early in November, and in several other streams and inlets are frequently observed about the same date. Enquiry along shore has failed to discover them at any but the following places besides the rivers above-named: Naufrago, Savage Harbor, St. Peter's, Tracadie, Greenwich, Wheatley River, Cascumpeque Bay, Kildare, Tignish, with stray ones at Egmont Bay, Tryon River and rivers of Hillsborough Bay, although legend tells us of their having been formerly in every stream. It is said all the fish taken were heading westward. Ere another season I hope to be

able to gain further information on the subject of this fishery. The taking of fish for the hatching establishment at Dunk River may throw light on various points of interest.

The Order in Council of date 11th June, 1879, prohibiting the taking of salmon within the Dominion of Canada, except under license, was duly promulgated to those concerned. Mr. M. O'Connor, Kildare Capes, a person who makes a special business of salmon fishing, promptly took up his stake-net, partly in obedience to the order, but more so, that for several days he had not captured a single fin. I would respectfully suggest, that as the Order in Council has cleared the way, now would be a suitable time to assimilate the regulations to those of the other Provinces, and to lay off the island shores in salmon stations. This would, in time, develop the industry, and become a source of revenue. A heavy license fee at first would, however, have a prohibitory effect, and to name its amount is beyond my duty. I throw out the hint more for the purpose of organization.

The average weight of the salmon taken off the coast is about twelve pounds. About twenty persons employed themselves more or less in seeking for salmon at St. Peter's this season, and I fear some of the fish taken were under size.

Alewives, locally called Gasperaux.

Your honor will observe with regret that the valuable fishery of alewives, for which this island was once noted, shows signs of diminution instead of improvement. In the present state of piscatorial knowledge, the movements of these fish are not clearly followed, but if it be true, as asserted, that of all other food inhabitants of the deep they are the most easily destroyed—coming to maturity in two years from the egg—they are, by consequence, the most easily replaced by providing them with suitable spawning grounds for reproduction. In this respect the decrease is partly remediable. Nor must it be forgotten that the fry of the gasperaux are not attractive to the larger migratory fish that form the staple of the fisheries. "If the young of the alewife leave us (says an authority) so will cod and other of that race in a great measure."

The Order in Council of date 8th October, 1875, provides that the fishery of alewives shall be regulated by the local statutes until suspended by Canadian legislation. The laws of Prince Edward Island, amended over a series of years, provide that alewife nets be not set in the day time, nor on Sunday, in any bay, harbor, river, creek or inlet, nor outside of the mouth of streams within two hundred yards, nor inside within fifty yards of the entrance, under penalty and seizure. The Order in Council dated 16th May, 1879, is practically merely an extension of the protection given during the past eighteen years in this Province, by giving one additional day's rest per week. Yet the strict local regulations have failed to prevent the fishery from deteriorating.

Time was, not so long since, when alewives were so abundant in this fishery division as to be called "the poor man's fish," from the ease with which they were scooped up at almost every man's door by means of a few yards of net, or in absence of that by hand scoop-nets such as are now used to depopulate our brooks of smelt. In the Customs returns of a few years back, alewives formed an article of considerable export to the West Indies and elsewhere; now the supply is scant for food and bait. To cultivate the gasperaux is therefore a direct influence towards bringing more valuable sea-fish to our shores. If, as has been said, it be true that these fish are easily satisfied with a spawning-place, and that in two, or at most three, years they return full grown, it is apparent a temporary respite from persecution would have a great effect in re-peopling the grounds they once frequented. They seem to require little beyond a quiet pond and cool water, with an open run to the sea. Such inlets, the scenes of former gasperaux massacres, are numerous on our coast, but many of them are silted up and shallowed by sand or other obstruction. To add to these detriments road-makers and bridge-builders are extremely careless whether or

not they destroy valuable fishing-grounds. Among such places, formerly the favorite resort of gasperaux, are ponds along the west coast of Prince County, and along the north shore, near New London, in Queen's; also, Tracadie and North Lake, in King's County, where a bridge with brush wings, built by the Local Government, has all but ruined the fishery.

The provisions of the local Acts strictly enforced, together with the additional respite from Friday to Monday given by the Order-in-Council, as also the clearing of the runs, may prove sufficient to induce a return of the gasperaux. Next year's fishery may be taken as a test. Failing a perceptible increase, more definite action is indicated. Sooner or later it might be necessary to order:—

1. A total prohibition of the taking of alewives in the tideways and streams of Prince Edward Island for a period of three years. A precedent for five years' prohibition, under a penalty of ten dollars for every fish caught, is to be found in the State of New Hampshire.

2. A further order at the expiry of the prohibited period, regulating, for a further term, the size of the mesh of nets so that the young might escape.

3. The annual expenditure of a small annual grant during the closed period to clear the alewives' runs and haunts.

I beg to recommend suggestion No. 3—a small grant for the clearing of the gasperaux runs—to your favorable consideration now.

Sea-Fisheries—Herring.

Spring herring arrived off the various parts of the coast about the usual time, say the first of May; complaints were prevalent in the early part of the season that the run was poor, but they improved in size and quality as the season advanced. On the whole this fishery was not so energetically pursued as usual, bait, for which spring herring are largely used, having been imported from other localities for the supply of many of the stages. At times in some places a temporary deficiency of salt checked production. Hopes are entertained that the revival of the sugar trade in Canada, or some other interlacing branch of enterprise may open the freightage of fishery salt from the West Indies. At present Cadiz salt is preferred to Liverpool, but the export of fish to southern Europe is not of so great magnitude as to ensure a sufficiency as return freight.

The fishery of fall herring is too much neglected, but some of the more enterprising stageowners say they are about to give it a larger trial, commencing as early as the end of August or beginning of September. At that time mackerel are abundant and those who are making fair catches of that fish are reluctant to give up on the chances of what they may make in herring. A large proportion of the persons engaged in the actual taking of the fish are of very moderate means, and their outfit of nets and other appliances is of the most economic description. Thus, to be successful in the pursuit of fall herring would require a larger outfit than they possess, inasmuch as herring taken in fall require for their capture a larger size of nets than those used in the spring. Spring herring fishing requires a mesh not exceeding two and one-quarter inch, while for fall fish at least two and one-half inch mesh is required. Fishermen have informed me that two inch mesh is now sufficiently wide, and that their nets, made some years since, of two and one-quarter inch are too large; which is almost the only intelligible answer received to the question often put "are the fish in the Gulf becoming smaller?" Something ought here to be said of boats, the remarks having reference to all varieties of fish sought for in these waters. As already stated, our fishermen as a general thing are not rich; their boats are mostly built by themselves in the intervals of other labor, in readiness to make a venture in fishing. Many of these boats are neither commodious nor safe, for the reason that the shores are shelving and shoal, the seas are heavy and break a long way off. Were the coast bolder I would take it on me respectfully to suggest, for here or elsewhere that it would "pay" the Government to introduce from the east coast of Scotland

(perhaps from Fife) a model of one of those seaworthy fishing boats, which, held in joint-stock and manned by the shareholders, keep the sea in pursuit of business when larger craft could not live. With such boats, our fishermen could compete with foreigners who, owning better appliances for keeping the sea, have almost a monopoly of the waters outside of the three miles' line. Even the cost of sending a commissioner to report on what features of the British and French coast fisheries might be adapted with advantage to the fishery industries of the Gulf would be small indeed compared with the manifest benefits that would be derived from any marked improvement. As it is, I do take the liberty of suggesting the advisability of the Department taking some measure to introduce to public notice a model of an improved fishing boat, at once sea worthy and adapted for beaching on coasts shallow as ours. For, speaking of this Fishery Division only, the fishing population, as a rule, are slow to learn, and their improvements are almost always from *imitation* rather than invention.

Cod, Hake and Ling.

These fisheries show no feature different from last year, excepting in the larger number of hake taken. The fish were generally large and fine.

The question of "trawling," so called, or the fishing by set lines, is one in which I have already sought information from the Department. There is a decided increase in the number of trawlers. Opinions differ as to the destructiveness of the practice. Those engaged in it stoutly maintain its harmlessness and declare that no other method can be pursued with success. On the other hand, those who use single lines assert they have no chance against the trawlers. Under present circumstances I fear an order prohibiting the practice would be ill received, would discourage existing engagements and would diminish the catch of the fishery. An aggravation of the single-line fishermen's alleged grievance is that foreigners trawling just outside the three miles' limit, and there distributing bait, keep the fish at that distance, where it is laborious and sometimes dangerous to reach them by small shore boats. A better class of boats would put our own men on an equality with those successful strangers.

Fish oil shows the proportionately large increase of 12,923 gallons over the product of last year. The whole quantity manufactured was by natural exudation; no second crop having been distilled by heat. The preparation of hake sounds has become a business of some value even at present reduced rates. Last year the price was one dollar per pound, this year sixty cents; at which last named a total of 18,215 pounds appears in the returns, to the value of \$10,929.

Mackerel.

The following is an outline of the year's fishing:—

July 10th, fish began to appear on various parts of the coast, being ten days later than usual. Between the 10th and the 15th shoals struck in, and when they did strike were very thin and small, but abundant.

To August 20th, continued very plenty but poor to medium; none equal to the best.

September 5th, the first improvement in size began to be observable.

September 9th, improving.

" 10th, unchanged.

" 15th, of a better quality.

" 23rd prospects brightening considerably.

To end of season quality good; some number one.

It was fortunate the season had closed before a terrific storm from the north-east, on the 20th October, swept the north coast of the Island, and did great damage to the stages and other buildings along the shore.

As regards the much-vexed question of seining, it is historical that craft fitted out for fishing on the coasts of Massachusetts and Maine, as recently as 1863, used seines only for the purpose of taking "porgies" for mackerel bait up to 1868 (or say 1870) when the practice was entered into on a large scale in American waters for the taking of mackerel. Up to that season, it is stated, vessels could each take 400 to 1,000 barrels per season with hook and line, but after seining had prevailed only up to 1873, three hundred barrels per season would be all the hook-and-linesmen could take, while the seiners, even in face of the diminishing supply, would capture full cargoes of large mackerel, besides each vessel netting a surplus of 1,000 barrels of small fish which they made no use of. The supply of large fish becoming scanty, the American fleet tried their fortune with seines in the Canadian waters of "the bay." Here it was their object to take only such first-quality fish as would fetch a high price in the United States markets, the smaller fish not leaving any margin for profit. Now, the established fact that in ordinary fishing weather each long seine may, and usually does, draw to the vessel's side 20 to 100 barrels of small herring and mackerel, over and above large ones, affords a basis on which to make calculation of the value of the fishery in which foreigners share, and of the destruction done to such fishery. Thus, 200 sail set their seines twice a day during, say, forty fishing days, or 16,000 times, and, with even the proverbial fisherman's luck, take at each cast of the seine from the waters to perish, make no use of, and throw overboard, only fifteen barrels of fish of smaller size than they require,—this is putting it at the lowest conceivable figure,—the result shows, at least, 240,000 barrels of fish, at say \$2 per barrel, or \$480,000 of injury done to the Gulf fishery in six weeks' of actual time. I am aware there are persons capable of judging who may even consider the estimate far too low.

Advices, supposed to be reliable, state that the average number of two hundred and fifty schooners, or more, fitted out, most of them with seine boats and seines, from Gloucester and other American ports for Canadian waters this Spring. When they arrived they found the fish, although schooling freely, were of small size, which fact, it may be imagined, did not lessen the number of those under eleven inches in length that would be thrown overboard before a cargo of prime fish fit to bring a high price could be secured. In the early part of the season, therefore, the Americans seining off Prince Edward Island would be about the usual average in number, but on completing a first cargo many of them went home and did not return, two causes being assigned therefor; firstly, that the price for such fish as they caught was not remunerative, and secondly, that mackerel equal in quality to those they had taken in the Gulf could this year be caught off their own coasts. So it happened that after the middle of August few of the white sails of the Americans were seen off our shores.

There is no means of ascertaining on shore what quantity of fish has been taken by Americans at sea. Possibly a statement may be arrived at by consulting the Massachusetts newspapers or shipping lists. A vague estimate formed here would say 500 barrels of pickled fish and 300 quintals of cod to each two hundred and fifty vessels. If this is approximate to the truth a simple calculation will show what proportion—apart from waste—in a year imperfectly fished, the value taken around this small island, by citizens of the United States, bears to the amount of there cent fishery award. The American schooners do not now call for supplies or expend money in our ports.

The whole question of seining has engaged the attention of the Department so earnestly that I can offer no suggestions of value regarding it in this Fishery Division. The judicial powers of long-shore magistrates are limited, and it is most difficult to procure evidence that would establish a case in court. As the vessels are hourly changing their cruising-ground, it would even be a matter of hazard to find a venue. Nevertheless, it would not be utterly impossible to get up, with or without the assent of the American authorities, a test case that would decide the question, and it may be assumed that in such case the circular letter to American collectors of customs, issued by Mr. Marcy, U.S. Secretary of State, would not be overlooked,—which circular I may be permitted to quote:—

"March 28, 1856. To Collector of Customs. It is understood that there are certain acts of the British North American Colonial Legislatures, *and also, perhaps, executive regulations*, intended to prevent the wanton destruction of the fish which frequent the coasts of the colonies, and injuries to the fishing thereon. It is deemed reasonable and desirable that both United States and British fishermen should pay a like respect to such laws and regulations which are designed to preserve and increase the productiveness of the fisheries on these coasts. Such being the object of these laws and regulations, *the observance of them is enjoined upon the citizens of the United States* in the manner as they are observed by British subjects. By granting the mutual use of the inshore fisheries, neither party has yielded its right to civic jurisdiction over a marine league along its coasts. Its laws are obligatory upon the citizens or subjects of the other as upon its own. The laws of the British Provinces not in conflict with the provisions of the reciprocity treaty, would be as binding upon the citizens of the United States, within that jurisdiction, as upon British subjects."

Our island fishermen have done well this year as to quantity. The prices as yet obtainable—which regulate, in a great measure, the scale of wages between employers and employed—have not been quite as satisfactory. Towards the close of the season, however, there were indications of a better commercial demand. On the whole, the past season may be described as not a bad one for the hard-working and industrious class of our people who look to the fisheries for an addition to their winter comforts.

Although not strictly within my duty, I fear I must draw attention to the slipshod manner in which pickled fish are branded at some of the fishing centres. For want of the proper officers the brand does not always guarantee the quality expected by the purchaser, and brings discredit on Canadian produce in foreign markets.

Lobsters.

In this age of competition the tendency is to overdo any business that promises to be lucrative. Such, it would appear, is about to be the case in the canning of lobsters. Whatever measures of repression may be called for in lobster packing, it is not one of those industries that require to be fostered into growth.

Not more than ten years ago when the retail price of lobsters was two or three for a halfpenny, a New Brunswicker came to Prince Edward Island and commenced the business of preserving in tins. Attracted by his success a few other persons engaged in the same pursuit. The business gradually augmented until three or four years since, when it became endued with much more life, and has, at length, sprung into giant dimensions. In

1871 were put up for market.....	6,711 cans
1875 " " "	151,248 "
1876 " " "	362,676 "
1877 " " "	663,900 "
1878 " " "	1,649,800 "
1879 " " "	2,272,825 "

A fair estimate, taking the Island over, is three lobsters to a can, thus shewing a capture of nearly seven millions of fish within the term of thirteen and one half weeks. Calculated at official rates it will be seen that the lobster business is worth double the value of the combined cod, hake and ling fisheries, and three-fourths of the total value of our celebrated mackerel fishery.

Along the limited coast of this smallest of the Provinces, thirty five canning factories were in active operation the past year, employing eleven hundred and seventy four hands, that is to say, about five hundred men inside and out of the factories, and nearly seven hundred girls and women. Several additional factories are being built in readiness for next season. Nature, however, has stepped in and washed away some of them in the last October storm.

The Department has been besieged with applications for an extension of the time of canning. With a view to arriving at a definite conclusion as to the wants of the various localities in this Division, I addressed to every lobster packer in the Province a series of questions which accompanies this report, but does not form a part of it. Among these queries was: "What do you consider should be lobster fishing season in Prince Edward Island?" Nineteen of the thirty five establishments replied in writing, and some verbally. Although the replies differed materially in matter of detail, there was considerable unanimity in demanding an extension of time to the 20th September, that is to say, that the close season might be extended to the middle of May, and the factories be allowed to continue open until the 20th of September, the same length of fishing time, but beginning a month later and closing a month later. Among the reasons given for the proposed extension were that the lobsters are in their prime up to the end of September on this coast; that they come in a fortnight later on some parts of the coast; that the ice sometimes does not leave till close on the present day of opening; and that the month of April is almost lost by stormy weather, it being impossible to set or take up traps in wind or heavy sea.

To test the first of these assigned reasons I caused traps to be set in Cascumpeque Bay, in six to eight fathoms of water, on the 1st, 10th and 20th of September. The fish taken were of fair size and quality, with no more than the ordinary proportion in spawn.

As regards the loss of the month of April by bad weather, an official meteorological observer on the north coast, James Hunter, Esq., has been good enough to supply me with a daily record for the period in dispute, of which the following is an abstract: During the twenty-five working days, from 20th of April, 1879, to 19th of May, 1879, equal to six hundred hours of day and night, were six working days, equal to one hundred and forty-four hours, in which the velocity of the winds from the N., N.E., N.W., W. and S.W. in the morning, when fishermen usually attend to their traps, was twenty miles per hour, which velocity on this coast would raise a heavy top sea; therefore, we may assume those days were lost to the fishermen. On five other days it was lowering or squally in the morning, and in the course of the day blew to twenty miles velocity. The same period of 1878 showed seventy-two hours of fresh and strong breezes, and one hundred and ninety-two hours of such weather as might prevent handling traps. A detailed statement is forwarded herewith.

Several important questions, present and prospective, arise out of this great industry. For example, the fishery staff is so small and opportunity so easy to evade the law, that no sufficient supervision can be had over the destruction of spawning and undersized lobsters. Let me say the fishery is carried on by means of the "box-trap," which is a cage sparrred with wooden laths, and the "hoop-trap," which is simply a bag-net partially stretched on a weighted hoop. Comparatively few hoop-traps are as yet in use, but, if my information is correct, much the greater number of the undersized lobsters are meshed in the hoops. The remedy suggests itself, namely, that hoop-traps be declared illegal. Further, an Order in Council might prescribe such distance between the laths of box-traps as would permit the small lobsters to escape. The objections to such regulation of box-traps would be that considerable capital is invested in them in their present shape, and, moreover, the juvenile crustaceans might crawl in as well as out, and by pilfering the bait prevent the capture of larger fish.

Another question that is at present only beginning to loom up, but will cause trouble as factories increase, is encroachment on the fishing-grounds of each other. The industry has grown so rapidly that many complicated questions remain at issue. Prince Edward Island, from her peculiar land tenure, has a good deal of legislation on her local statute books in relation to fishery and shore rights. Some of the provisions and restrictions may still be current, and may be brought up in the future. Many of the preservers have purchased pieces of land with a shore frontage on which to build their factories. Others erect on the beach, wherever they can do so un-

opposed. Instances are known where buildings have been erected, apart from the lessee's consent, on dunes and sandhills leased for pasturage half a century ago from the Local Government, but over which the general Government now claims jurisdiction. Many of the purchased sites are closely adjacent to other factories. It will thus be seen that formidable difficulties lie in the way of assigning and defining fishing stations to the respective factories, and yet it is a matter that must sooner or later be met. Probably the earlier it is done the easier it will be. The subject is already engaging the attention of packers.

Your honor is conversant with the right of the Dominion to grant and assign stations along this shore. I will, therefore, only remind you that a royal commission on the land question made certain recommendations regarding Fishery Reserve lands. The local Act of 17th April, 1862, decrees that its legislation shall not prejudice those reserves. The Tenants' Act of 30th April, 1864, further enacts that the award of the Royal Commissioners shall be binding in law and equity concerning the lands known as the fishery reserves on thirty-six of the townships. In the original grants of the island from the Crown there is no fishery reserve on eighteen of the sixty-four lots or townships into which the land was divided; five grants are lost; in twelve free right to all His Majesty's subjects to carry on free fisheries within a distance of five hundred feet from high water mark is reserved; and in the remaining twenty-nine townships, equal to more than one-half of the seaboard, the reservation is: "and further saving a reserve for the disposal of His Majesty, his heirs and successors, of five hundred feet from high water mark on the coast of the tract of land hereby granted, to erect stages and other necessary buildings for carrying on the fishery."

Another matter connected herewith is the issuing of licenses to lobster fishers, towards which I find several of the leading men the reverse of opposed.

A meeting of persons engaged in the trade is proposed for the purpose of formulating their views to the Government. I have requested permission to be present.

My brief experience of the past season has been that the proprietors generally are desirous of fulfilling the requirements of the law. One or two evasions were discovered on which action was taken, and which have already been brought to the notice of the Department.

From the replies of packers, forwarded as an appendix to the report, it will be seen that the deeper the water, the fewer spawning fish are taken in the traps.

To sum up:—I respectfully submit, 1. Whether the lobster fishing season in this province might not with advantage be from 15th of May to 15th of September, inclusive, with or without restriction as to depth of water? 2. The issuing of lobster fishery licenses. 3. The assignment of fishing stations. 4. Regulations as to traps.

A wholesome rivalry exists among the packers as to the quality of their goods, each establishment being naturally anxious that its trade mark shall cover a first class article, thereby differing from certain exporters of pickled fish whose brand, as stated elsewhere, by no means enhances the repute of Canadian fish abroad.

It may not be out of place to mention that Mr. Robert Bell, a packer, is making arrangements to employ his workmen during the close season in canning beef and mutton for England. As the article produced seems to be good and suitable for ships' stores, it is not unlikely it may tack another branch to the lobster industry.

Oysters.

From some reason of demand and supply the oyster fishery has scarcely been prosecuted this year with the usual vigor, consequently the returns are not in excess. Prices have ruled low, thus discouraging the industry. There is no special feature to report. A good deal of poaching took place in the east and west of Queen's County, Richmond Bay in Prince County, and elsewhere where there are no wardens. Such measures of repression were taken as the circumstances permitted. Some thieving also took place from private oyster beds, which depredations were promptly checked.

The abundance of eels in the vicinity of some of the spawning beds is believed to be very detrimental to the increase. Storms last fall and this spring did some damage by silting over the beds but not to an extent to effect the fishery.

The digging of "mussel mud" for manure—mussel mud being the shells of old oyster beds—is very harmful to the live beds, but it is scarcely to be doubted that the benefit to the county is of more absolute value than the preservation of the oysters. Deep holes are excavated in the bed of the oyster grounds and the spawn washed into these holes is silted over and perishes. The local law expressly protects diggers of such manure from damages if live oysters are taken. Custom has established that inlets, even on the frontage of farms, are free to all, although an eminent authority, the late Judge Pope of this province, freely expressed a different opinion. Were a test case established in the courts that the oyster beds, old and new, on the frontage of farms belong to the owners of the shore, better regulations would be adopted, yet outsiders be still permitted to procure manure on payment of a small royalty. Such a regulation once established would materially assist in preserving the live beds.

In connection with shell-fish it may be referred to as odd that none of our enterprising employers of fishermen have yet established a mussel-farm for bait, such as those of the Bay of Aiguillan, France. Nor any oyster-grower adopted the plan of the oyster *plats* of ile de Ré. Neither any person fitted up an ice-house for the preservation of bait.

Other Fish.

No-pickrel in our waters.

Capelin do not appear in the Island returns.

I am informed that shad to the number of thirty or forty were taken at Mount Stewart Bridge, Queen's County; also, that a year or two ago a few were found in Meyrick's trap on the north coast. The circumstance, if true, is interesting.

The eels of our estuaries are said by epicures to be free of muddy taste and to be otherwise exceptionally fine. No systematic attempt has been made to bring them to market.

Smelts have not appeared to advantage in previous reports. This year the returns show a take of 24,400 pounds—which must be much under the mark—all taken by boys with scoop-nets. Few appreciate the value of this delicate little fish, which, fashion apart, is not a whit inferior to whitebait. In the future some individual of enterprise may convert them into an article of commerce as is done in the sardine factories of Maine, or dry them for market in imitation of the Chinese.

Shrimps, although everywhere abundant, are not used as food. Sandlaunce would be found in sufficient plenty as occasional bait at the head of sandy bays.

Bass ought to be, but are not, a profitable fishery in this province owing to the usual destructive influences. A small appropriation is wanted to clear from drift wood some of the favorite resorts of this fish. At Costin's Creek, Miminigash, an acre of drift logs that float and ground with every tide, but could be towed out and boomed for \$50, requires attention, nearly one thousand bass having been picked up along the shore last year, crushed to death. A few are speared by the Indians but not to a destructive extent.

The returns show no more than 1,200 pounds of halibut taken during the season, and these were taken accidentally. The statement that trawling has destroyed the halibut fishery seems to be groundless. The truth is the halibut is a fish of deep water, requiring to be sought with special appliances at a distance beyond the marine league not often ventured to by small shore boats. The absence of any excepting the smallest retail market has prevented the fishery being pursued, although accounts say it might be profitable if followed systematically and in view of a demand.

In Stewart's history of the Island of Saint John, in the Gulf of St. Lawrence, published about three-quarters of a century since, sturgeon are said to have then abounded. Conversation with the oldest inhabitant has failed to recall to his mem-

ory any having been caught in his day. Traditions of the Indians of Lennox Island remember them as one of the red man's last resources. But practically they are as much extinct as the sea-cow fishery of L'île St. Jean granted to the Sieur Doublet.

Some wag prepared an account of a sea-serpent seen this season off Miminigash, and supported it by mythical affidavits. The monster described was a cross between the Norwegian python and Rev. Mr. Harvey's and Victor Hugo's cuttle-fish. I should not have alluded to this *jen d'esprit* had it not got into the newspapers and been extensively copied.

Other Matters.

The wardens are under the impression that they are entitled to the complainant's half of the fines in cases of conviction. As I am in possession of no order to the contrary I infer it is so. To deprive them of their expected reward (if human nature is as it was) would be to diminish their vigilance.

The only fish-trap in this division is that belonging to Mr. J. Meyrick, at Tignish, Prince County. Everything taken in this trap is utilized. Considerable quantities of bait are supplied therefrom. Having carefully considered the statement that the trap is hurtful to the line fishers, I cannot consider that the evidence brought forward bears out the complaint.

Fish guano shows in the returns to the extent of only forty tons. The waste of marine refuse is an error on the part of fishermen inasmuch as it can be converted into artificial fertilizers, either by a simple or elaborate process of manufacture, and, it is believed, at proportionate profit. The vegetable ingredient—peat earth—can be found in abundance in several places within easy water carriage. Fertilizing meals, not superior in quality, are quoted in New York seedsmen's catalogues at *retail* prices ranging as high as \$40 per ton. The lobster factories have been somewhat of a boon in respect to manure, to the farmers in their vicinity. The debris of the lobster is in bulk not less than one-half of the edible portion, and as one-half of the "middens" is hauled and spread on the land in a crude state, and as lime is the great want of the Prince Edward Island soil, it may safely be said that the factories have manured the land this year to the extent of a million barrels bulk. Cods' heads are bought for baiting lobster traps, and have at times fetched one dollar per barrel.

In a sparsely settled country where men can "turn their hands to anything" all census and similar returns must be imperfect to the extent of such duplication of labor. Hence the noticeable difference in the catch of equal numbers of boats in different localities, for the reason that some are manned by professional and some by occasional fishermen. Most of the latter draw their main subsistence from the soil, and the quantity of fish they catch depends on the time they give to gathering the harvest of the sea. With them the net and hook merely supplement the labor of the plough. They should be called less fishermen than farmers, who, doing their best to support themselves in comfort, avail themselves of the seed-treasures that nature brings so bountifully to the shores of this Dominion. Such of them as have not committed the fault (perhaps it should be called *crime*) of cutting away the woods can also earn something by supplying hoops and staves for the 112,000 barrels required by the professional fisherman. Any surplus over expense of living goes into the farm. Thus do the home fisheries help to lay the foundation of that yeoman class recently spoken of by a distinguished authority.

Public sentiment appears to be veering round in favor of the efforts of the Department. The Inspector has travelled, by various modes of conveyance, over seventeen hundred miles. Correspondence has been large, nearly three hundred communications having been received and answered.

Growth of the Island Fisheries.

Under the impulse given by Confederation of the British North American Provinces and the fostering care of the General Government, the fisheries of Prince

Edward Island have increased in a ratio that must be pleasing to every lover of this Canada of ours. In 1871, prior to Confederation, the product of the island, coast and stream was, as reported, one hundred and thirty pounds weight per head of the population; this year, 1879, it is (exclusive of lobsters) rather over than under three hundred and sixty-four pounds; so were this an exclusively fish-eating people, the whole population could live on the product of the waters without any subsistence from the soil.

The following comparison of the different branches of the fishing may be interesting:—

	1871.	1879.
Barrels of mackerel cured	16,047	560,680
“ herring and alewives.	16,831	101,310
Cwt. of codfish and hake	17,527	190,832
Pounds of preserved lobsters.....	6,711	2,272,825
“ salmon	7,380	6,805
“ other fish omitted, say	50,000	<hr/>
Number of fish barrels	42,278	113,736
“ boats fishing	1,183	1,674

May they increase.

Conclusion.

With reference to the fisheries as a nursery for seamen, it is to be observed that although the large fleet of sixteen hundred and seventy-four boats, ranging from the humble dorè to the rakish craft of ten to twenty tons, is called into existence by the fisheries, the five thousand men are by no means a distinct maritime population. Rather do they stand to the marine afloat in the same relation as the militia do to the army on shore; that is to say, the large proportion of one-fourth of the ablebodied males of the Province know enough of salt-water to be useful in cases of emergency, and are able at any time to put to sea, when an ordinary landsman could not. In this respect they form an invaluable element in the strength of Canada.

I have the honor to be, Sir,

Your most obedient servant,

J. HUNTER-DUVAR,

Inspector of Fisheries for P.E.I.

APPENDIX

RETURN shewing the Number, Tonnage and Value of Vessels and Boats and Quantities of Fish, and the Total Number of Men employed,

COUNTIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				Mackerel, brls.			
	Vessels.			Boats.			Nets.		Weirs.			Salmon, fresh, in ice, lbs.	Salmon, smoked, lbs.	Salmon, in cans, lbs.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.					Value.
			\$			\$			\$	\$				
<i>Princs.</i>														
Cascumpeque Bay.....	2	60	2500	14	60	7225	231	2170	1585					2395
Kildare Shore.....					55	2350	145	900	270			1235		1200
Tignish.....	20	170	5100	100	51	3825	276	1280	512	1	1000	500		3550
Remainder of Lots 1 and 2.....					137	10275	500	4600	1880					6850
Big Miminigash.....	2	16	480	10	135	8100	528	2700	810					6800
Little Miminigash.....					47	3525	183	840	252					2350
Campbellton.....					29	2175	95	680	204					1450
West Point.....					25	1800	70	400	120					1100
Egmont Bay.....					50	3600	150	850	260					1000
Bedeque Bay.....					12	600	24	120	50					400
To S.E. County Line.....					8	380	16							100
South side of Richmond Bay ...					12	144	12							750
Malpeque.....					25	1300	55	450	135					1000
Lennox Passage and Narrows..	1	14	200	4	15	600	45	1500	750					100
Trout River, Lot 10.....														
Micmac Indians of Lennox Island.....					1	40	3	100	50					
Total.....	25	260	8280	128	662	45939	2333	16580	6878	1	1000	1735	.....	28055

No. 16.

engaged in the Fisheries ; Quantity and Value of Fishing Material ; Kinds &c., in the Province of Prince Edward Island, for the Year 1879.

KINDS OF FISH.														FISH PRODUCTS.		VALUE.						
Mackerel, in cans.	Herrings, brls.	Herrings, Smoked, in boxes.	Alewires, brls.	Cod, cwt.	Cod and Hake Sounda, brls.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, brls.	Bas, lbs.	Trout, lbs.	Smelt, lbs.	Eels, brls.	Oysters, brls.		Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as Manure, brls.	\$	cts.
.....	2500	.....	.....	2000	600	.....	2000	.....	.....	.....	.....	.....	.....	.....	.....	50	80000	1000	.....	.....	60,170	00
3312	280	.....	10	180	.....	.....	120	1000	.....	.....	.....	150	150	5	.....	41184	500	.....	.....	.....	20,805	10
.....	2456	.....	.....	2530	650	.....	235	9000	200	.....	.....	400	1000	.....	.....	.....	.....	1815	.....	.....	50,742	80
.....	2175	.....	.....	1771	.....	.....	500	.....	200	.....	2000	1000	1000	5	.....	125720	1225	.....	.....	.....	98,122	80
9600	2000	.....	25	760	1800	.....	760	5000	600	.....	1000	1500	600	15	.....	80000	750	.....	.....	.....	86,564	50
.....	130	.....	.....	158	870	.....	300	2400	.....	.....	.....	150	650	.....	.....	.....	.....	200	.....	.....	21,474	00
4226	150	.....	50	185	300	.....	620	2000	.....	.....	.....	50	600	.....	.....	100000	300	.....	.....	.....	35,826	00
.....	300	.....	.....	200	100	.....	250	1000	.....	.....	.....	100	200	.....	.....	.....	.....	100	.....	.....	11,708	00
.....	1250	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,000	00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,200	00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	800	00
.....	750	.....	.....	150	.....	.....	.....	.....	.....	.....	.....	.....	200	.....	16000	.....	.....	.....	.....	.....	48,000	00
.....	400	.....	.....	200	100	.....	50	5000	.....	.....	.....	.....	.....	.....	.....	.....	42000	150	.....	.....	18,087	00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	600	4000	5	.....	900	.....	60	.....	.....	6,290	00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	306	00
.....	10	.....	.....	7	.....	.....	.....	.....	.....	.....	500	.....	.....	.....	100	.....	.....	.....	.....	.....	438	00
17138	12401	.....	85	8141	4020	.....	4835	25400	1000	.....	3500	3950	8400	30	17050	468904	6100	.....	.....	.....	475,534	20

RETURN showing the Number, Tonnage, and Value of Vessels and Boats

COUNTRIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.										
	Vessels.			Boats.			Nets.		Weirs.								
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, bris.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, bris.	Mackerel, in cans.
<i>Kings.</i>			\$						\$	\$							
From S. W. County Line to Cape Bear					75	810	104	2120	1060							70	
Murray Harbour to Panmure Island	20	600	16000	100	40	8000	120	4000	1600							120	10000
Georgetown and Cardigan Bay	2	100	1800	13	15	400	38	100	50							600	
Grand River to Little River, including Boughton Island	3	105	3000	18	25	1500	70	150	140							3410	
Howe, Fortune and Rollo Bays					55	826	60	200	65							569	
From Rollo Bay to Red Point, including Souris					160	2500	300	5320	2500							4400	
Red Point to East Point					60	1200	130	3200	1020							1500	
East Point to Bear River, including North Lake					40	800	100	2400	840							5900	
To Greenwich					73	1650	150	850	340				2570			1140	
St. Peter's	1	16	500	6	15	900	60	1000	400				2000			400	
To N.W. County Line, including Savage Harbour					12	500	40	200	80							200	
Morelle River																	
Midgell River																	
Total	26	821	21300	137	570	19086	1172	19540	8095				4570			5939	10000

engaged in the Fisheries, &c.—Prince Edward Island—Continued.

KINDS OF FISH.														FISH PRODUCTS.			VALUE.		
Herrings, bris.	Herrings, Smoked, in boxes.	Alewives, bris.	Cod, cwt.	Cod and Hake Sounds, bris.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, bris.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, bris.	Oysters, bris.	Lobsters, cans.	Fish Oil, galls.		Fish Guano, tons.	Fish used as Manure, bris.
100			450			1200					1400	2200	10		316000	700	15		\$ 70,411 00
100			3550	10000		4800	56000								480000	5000			137,220 00
120			300	100		120	3400								195347	100			46,121 40
800			90	1764	550	1512	39200				250	250	20		129274	612	7500		73,953 80
69				6											50000				14,852 00
1600			100	5400	3000	2600	40000								150000	2500			105,600 00
1500				3000		1000	15000					500	70			1400			34,600 00
900			400	1600			15000				2400	500	80			1400			36,404 00
600				480	300	250	8000				500	1000	10			400			15,114 20
			400	4500	60		800	1200			500		6			1500			23,668 00
150				200												80			3,040 00
											200	1500	500	6					168 00
											800	250							63 00
5939			990	21250	14010	11482	177400	1200		200	7350	5200	202		1320621	13692	15	7500	\$561,015 40

RETURN showing the Number, Tonnage and Value of Vessels and Boat

COUNTIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.										
	Vessels.			Boats.			Nets.		Weirs.		Salmon, barrels.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.								Value.
<i>Queens.</i>			\$			\$			\$	\$							
New London					43	6450	175	100	50						4500		150
Cavendish					45	2700	135	300	240						3375		3300
Rustico					66	13200	330	4950	3960						9900		1000
New Glasgow and Bay	3	120	2880	16	31	3720	139	1500	600						4560		200
Covehead					12	1440	50	300	90						800		230
Tracadie					24	2900	110	1400	450						2100	200	
Ponds, and along North Shore to County Line					32	500	98	600	180			500			1260		300
South-east County Line to Pinette					21	840	42	420	126								55
Orwell Bay					18	250	54	250	100						46		115
Charlottetown and Hillsborough Bay					21	260	35	200	70						25		15
St. Peter's Island to West County Line	3	130	1300	18	72	1440	226	1635	750						175		375
Winter River																	
Total	6	250	4180	34	385	33700	1394	11655	6616			500		26718	200		5780

engaged in the Fisheries, &c.—Prince Edward Island—Continued.

KINDS OF FISH.													FISH PRODUCTS.			VALUE.					
Herrings, Smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod and Hake Sounds, lbs.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.		Fish Guano, tons.	Fish used as Manure, barrels.	\$	cts.	
.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47,600 00
.....	3200	.....	.....	.....	.....	.....	.....	.....	400	1500	20	.....	.....	.....	9	.....	.....	.....	.....	27,804 00
.....	1500	50	.....	15	500	1500	.....	.....	500	800	10	.....	.....	.....	660	.....	.....	.....	.....	105,764 00
.....	50	.....	.....	.....	.....	.....	.....	.....	80	50	15	.....	.....	.....	1400	.....	.....	.....	.....	47,498 00
.....	530	.....	.....	.....	.....	.....	.....	.....	1700	150	30	.....	24000	.....	15	.....	.....	.....	.....	7,505 80
.....	350	300	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	170	.....	.....	.....	.....	25,066 00
.....	1700	.....	2	.....	.....	.....	100	.....	.....	.....	.....	13,869 00
.....	252	135	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67,361 00
.....	2	51	.....	.....	.....	.....	.....	.....	.....	8000	.....	310	.....	.....	330300	.....	.....	.....	.....	2,449 00
.....	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	760	.....	.....	.....	.....	.....	.....	.....	2,780 00
.....	75	.....	.....	.....	.....	.....	.....	500	.....	.....	25	71000	10	25	200	.....	.....	.....	17,989 00
.....	800	300	.....	.....	.....	.....	.....	.....	.....	.....	.....	66 00
.....	352	6068	188	.....	15	500	1500	.....	.....	5680	10800	77	1695	483300	2364	25	200	.....	.....	.....	365,751 80

RETURN showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds and Quantities of Fish, and the Total Number of Men employed, &c., in the Province of Prince Edward Island, for the Year 1879.

COUNTIES.	VESSELS AND BOATS EMPLOYED IN FISHING.						FISHING MATERIAL.				KINDS OF FISH.						
	Vessels.			Boats.			Nets.	Weirs.	Salmon, brls.	Salmon, Fresh, in ice, lbs.	Salmon, Smoked, lbs.	Salmon, in cans, lbs.	Mackerel, brls.	Mackerel, in cans.	Herrings, brls.	Herrings, Smoked, in boxes.	
	No.	Tonnage.	Value.	Men.	No.	Value.											Men.	Fathoms.	Value.	No.	Value.
Prince	25	260	\$ 8280	128	662	\$ 45939	2333	16580	6878	1	1000	1785	500	28050	17138	12401	.....
Queens	6	250	4180	34	365	33700	1394	11655	6318	.....	.....	26716	200	26716	200	6739	.....
Kings	26	821	21300	137	570	19086	1172	19540	8095	.....	.....	4570	500	15319	10000	5939	.....
Total	57	1331	33760	299	1617	97725	4899	47665	21589	1	1000	6805	500	70085	27338	24079	.....

COUNTIES.	KINDS OF FISH.													FISH PRODUCTS.		VALUE.		
	Alewives, brls.	Cod, cwt.	Cod and Hake Souds.	Pollack, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, brls.	Bass, lbs.	Trout, lbs.	Smelt, lbs.	Bels, brls.	Oysters, brls.	Lobsters, cans.	Fish Oil, gallons.		Fish Guano, tons.	Fish used as Manure, brls.	$ cts.
																	
Prince	85	8141	4020	.....	4835	26400	1000	.....	3500	3950	8100	30	17050	468904	6100	.....	.....	475,534 20
Queens	352	6068	185	.....	15	590	1500	.....	5680	10800	77	1095	483300	2364	25	200	.....	365,761 80
Kings	990	21250	14010	.....	11482	177400	1200	.....	200	7350	5200	202	1	320621	13692	15	7500	561,015 20
Total	1427	35459	18215	.....	16332	203300	3700	.....	3700	16980	24400	309	18145	2272825	22156	40	7700	1,402,301 40

RECAPITULATION

Of the Yield of the Fisheries of Prince Edward Island, during the Year 1879.

Kinds of Fish.	Quantities.	Prices.		Value.	
		\$	cts.	\$	cts.
Codfish	35,459 cwt. at	4	00	141,836	00
Herring.....	24,079 bbls. "	4	00	96,316	00
Mackerel.....	70,085 " "	8	00	560,680	00
do preserved in cans.....	27,338 lbs. "	0	10	2,733	80
Haddock.....	203,300 " "	0	03	6,099	60
Hake.....	16,332 cwt. "	3	00	48,996	00
Salmon, fresh, in ice.....	6,805 lbs. "	0	06	408	30
Alewives (gasperaux).....	1,427 bbls. "	3	50	4,994	50
Trout.....	16,980 lbs. "	0	06	1,018	80
Bass.....	3,700 lbs. "	0	06	222	00
Halibut.....	3,700 " "	0	06	222	00
Smelt.....	24,400 " "	0	06	1,464	00
Eels.....	309 bbls. "	6	00	1,854	00
Hake (including Cod) Sounds.....	18,215 lbs. "	0	60	10,929	00
Oysters.....	18,145 bbls. "	3	00	54,435	00
Lobsters, preserved, in cans.....	2,272,825 lbs. "	0	20	454,565	00
Fish Oil.....	22,156 galls. "	0	50	11,078	00
Fish Guano.....	40 tons "	15	00	600	00
Fish used as manure.....	7,700 bbls. "	0	50	3,850	00
Total value of the products of the Fisheries for 1879.....				1,402,301	40
do do do 1878.....				840,344	22
Increase.....				561,957	18

APPENDIX No. 17.

REPORT OF THE INSPECTOR OF FISHERIES FOR BRITISH COLUMBIA
FOR THE YEAR 1879.

VICTORIA, B.C., 14th January, 1880.

To the Honorable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honor to transmit herewith, Return, Statement, and other documents relating to the Fisheries in this Province for the past year :

1. The total yield, it will be perceived, though in excess of 1877, is short of that of 1878, the deficiency arising from the smaller quantity of salmon that was canned ; little more than 61,000 cases (48 lbs. each) having been put up during the past year, as against more than 100,000 cases in 1878.

2. This deficiency may at once be accounted for, in a great degree, by the fact that two of the principal canneries (Holbrook & Co., and Lane, Pike & Co.,) were not in operation during the past summer ; while a third (that of King & Co.) was accidentally burnt down during the height of the fishing season. The reason of the two firms first named having temporarily suspended their operations was that, owing to the general depression of trade, the price of salmon had fallen so low in Europe as to be unremunerative, and little hope of an early reaction was entertained. The same cause operated in a similar way upon the Columbia River, where several canneries were deterred from action during the past season.

3. It is gratifying, however, to know that the gloomy anticipations which led to this temporary abandonment have not been realized. The revival of certain industries in Europe has been attended by increased demand ; and by late accounts from London the canned fish had already reached, if it may not eventually exceed the ordinary figure. The market for this article, it may here be mentioned, depends intimately upon the condition of the manufacturing and mining classes in Great Britain and elsewhere, affording to them, as it does, in a convenient form, a very acceptable change from the uniformity of their ordinary diet.

4. It appears, therefore, that had the full force of the canneries been in operation as last year, the total yield would have been little if at all short of that of 1878. This, too, notwithstanding that the run of fish in the Fraser, during the early part of the season, was less copious than that of the two years preceding, and moreover that the long continued high water in Fraser River impeded materially the fishing operations up to a certain period. The greater copiousness of the later run, however, and the improved condition of the water, enabled the fishermen to make up during the latter part of the summer for the earlier deficiency.

5. The above remarks apply more particularly to the Fraser River district. Of the valuable field of Skeena River, where two canneries are established, and elsewhere on the north-west coast, I shall treat further on.

6. Although, for the cause stated, two of the principal canneries on the Fraser did not prosecute their operations during the past summer, their temporary withdrawal was partially compensated by the working of a new cannery, that of Haig Brothers, the success of which has been very encouraging. Several other parties newly established, with small capital, have carried on the fishery at certain points along the river with lucrative results.

7. I am glad to say that no disturbances of any kind have occurred among the fishermen, among whom a general desire to conform to the regulations appears to

prevail. Two fines only, of small amount, have been found necessary for partial infringement of the weekly close time. Of these a statement is forwarded.

8. I have every reason to be satisfied with the zeal and intelligence exhibited by Mr. Pittendreigh, the Overseer in the Fraser River district. From that gentleman's report I condense the following points:—

That in consequence of information received he had judged it necessary to visit the mouth of Harrison River, near which it was reported that certain Indians were in the habit of destroying salmon-fry. The law was pointed out to the chiefs, and they gave assurance that the practice will be discontinued.

That on visiting the several saw-mills between New Westminster and Yale, he found that the recommendations made to the owners during the previous season, regarding the disposal of their saw-dust, had been well observed. A general desire to promote the views of the Department appears to prevail among the mill-owners along the Fraser.

That no disputes had occurred among the fishermen during the season.

That an attempt to fish salmon with a set net above tide-water had been made by an Indian, and had been forbidden—the use of such nets being confined to the tidal waters.

Captain Pittendreigh also mentions that Colonel Lane, of New Westminster, has invented a can, or package, to contain a whole or half salmon, which has been patented both in Canada and the United States. The invention, known as "Lane's Patent Can," is described as being "fish-shaped," and stamped out by machinery. It is opened for use along the edge, and the fish is turned out whole in excellent condition. (I have not myself seen any of the packages thus prepared, and am therefore unable to give fuller particulars. A few only appear to have been put up experimentally during the past summer; but the patentee seems confident that, when known, the fish thus prepared will be in great demand.)

9. With reference to that portion of the above statement which relates to the reported destruction of young salmon at a point near the mouth of the Harrison River, it is necessary to explain that it applies to the young fish of an inferior variety, and nowise affects the general correctness of the statement made by me with regard to the spawning grounds of the merchantable kinds, which are situated near the head waters of the large tributaries, falling in at various distances along the Fraser. The Hooknose, or dog-salmon (*S. Canis*), the variety in this case more specially referred to, resorts, late in the season, to all the rivers along the coast, seeking every tributary streamlet in the lower parts as a spawning ground. Though partially used for food by the natives, it is rejected by the whites, and has indeed no commercial value. This consideration, however, could not, of course, be permitted to weigh; and a report of the illegal practice having reached me early in the year, I at once requested the Overseer to make enquiry, and, if necessary adopt measures of prevention.

10. Under the authority of the Indian Department, Lieut.-Colonel Powell, the Superintendent in Victoria, secured, early in the season, the services of H. M. S. "Rocket" for the purpose of visiting the Indians at certain important points along the North-west coast. In the interest of both Departments it was judged expedient both by Col. Powell and myself, that I should co-operate with that gentleman in the objects of the intended visit, with which the interest of the fisheries were closely connected. Leaving Victoria on the 30th June, we embarked on board the "Rocket" on the following day at the coaling station near Nanaimo, and reached Victoria on our return on the 4th of August, having received throughout our course the kindest attention from Commander Orlebar and his officers, and the most cordial assistance in furtherance of our views.

11. Regarding the beneficial results of this visitation, and for my remarks upon the Indian relations along the coast as affecting the future of the fishery interest in that quarter, I respectfully refer you to my letters of the 12th August, and 5th October and 15th November last.

12. Avoiding prolix detail, I may notice briefly the different stages of our northward tour.

13. **ALERT BAY**, on Cormorant Island, near the north end of Johnston's Straits, A. M. Huson has an establishment here, where, in connexion with a trading store, he carries on the business of supplying wood to the passing steamers, and curing salmon by salting in barrels, or smoking. The capacity of this station appears, so far, to have been only partially availed of. Opposite to it, on the east shore of Vancouver Island, is the mouth of the Nimkish River, about three miles distant. Accompanied by some of the ship's officers, we ascended this river in Indian canoes as far as the Kahmutzen Lake, whence it issues at a distance of six miles from the coast. The lake, where we encamped for the night, is a fine sheet of water about 15 miles in length, and from half a mile to a mile in breadth. There are several tributary streams, of considerable capacity, at the upper end, through the valleys of which are trails communicating with Kyoguot and Nootka Sounds, on the western coast. I was much struck with the great salmon-breeding capacity of this lake, and its eligibility for a propagating station by artificial culture, should such be judged necessary in this neighborhood at any future day. Several fine varieties of salmon frequent the Nimkish successively during the season.

At the period of our visit (early in July) the Suck-kai had just began to run, and were crowding upward. The course of the Nimkish, below the Kahmutzen Lake, is, as I have remarked, only about six miles; its breadth from 75 to 100 yards. The current is rapid, but navigable with canoes throughout. At its entrance, on the left bank, is the site of the now deserted village, visited by Vancouver in 1792, and of which, under the name of Cheeslakee's Village, there is an engraving in his published voyages now before me. The houses, however, have been all removed to Alert Bay, and the site is now partly occupied with potato patches—an excessively rank growth of grass and nettles covering the remainder. I cannot but here remark upon the debased condition in which the Indians of this neighborhood appear to exist, through causes possibly beyond the restraining power which Mr. Huson might be presumed to exercise, which in some shape, and under some authority, demand suppression and control. Thus, even at the time of our visit, the effects of recent orgies, spite of strenuous efforts for concealment on our approach, were only too apparent.

14. I may notice incidentally that the day preceding our visit to the Kahmutzen Lake a man, who had visited Albert Bay for supplies, had re-ascended the river on his way back to his station near the head waters, in the direction of Nootka Sound. This man, who has lived in this secluded locality for some years, in the prosecution of his calling as a gold-miner, is reported to secure a moderate but sure return for his tedious industry.

15. **FORT RUPERT**, near the north end of Vancouver Island, on the inner shore, is an establishment of the Hudson's Bay Company, formerly of some importance as a centre of trade, but now sadly declined. There is a large winter village here of the Caw-killth tribe; but at the period of our visit the majority of the inhabitants were absent, attending to their fisheries in various directions. Colonel Powell here secured the temporary services of an interpreter, a young Half-breed of considerable intelligence, who afterwards accompanied us to Newwitty, and through whom we were enabled to communicate more accurately with the natives there, than by the mixed jargon of the coast, our ordinary channel of communication.

16. At Fort Rupert we had the pleasure of meeting the Reverend Mr. Hull and his wife, a lady recently from England. The former, an Episcopalian clergyman, has been settled at this place, as a missionary, for some years. So far his endeavors have not been attended by marked success; but both he and Mrs. Hull are sanguine for the future, and it is to be hoped that their zealous perseverance will not be unrewarded.

17. **NEWWITTY**, or Nawiti, some 30 miles beyond Fort Rupert, is situated in the Golotas Channel, at the northern extremity of Vancouver Island, opening out to the full sweep of the Pacific. The bar in this channel, known as Newwitty Bar, is a most prolific fishing ground for halibut and other valuable fish. Indeed, the whole vicinity

seems in this respect to be specially favored. While we were anchored near the village, between the islands Hope and Galiano, the salmon were freely passing through the narrow channel on their way to their various spawning rivers, and the Indians, by means of drift-nets, were securing a copious supply. Whether, however, this supply would be sufficiently permanent to justify the establishment of a cannery for salmon only, in the neighborhood, I could not ascertain; but that in connection with other branches of the business this salmon fishery will, in time, be utilized, I do not question.

18. While at Newitty I was informed that not long before our arrival an American vessel, provided with ice, had been surreptitiously fishing in the neighborhood, and had recently sailed for San Francisco with a cargo of halibut. After my return to Victoria, I obtained fuller particulars in regard to this matter, which were communicated to you in my letter of the 15th November, and to which I shall again presently advert.

19. SKEENA RIVER, discharging into Port Essington, and thence by the channels into the northern end of Grenville Channel. There are here two canneries, both situated in the divided estuary, outside of Port Essington. One of these, called the Inverness cannery, is owned by the representatives of the late North-Western Commercial Company; the other, called Aberdeen, by the "Windsor Canning Company." The Suck-kai salmon, succeeding the spring shoals, were already running in force at the period of our arrival (the 9th of July.) At the lower cannery (the Windsor), the catch had been abundant; and on landing at Inverness, where we anchored, an enormous pile of freshly-caught fish, said to exceed 20 tons in weight, was lying on the wharf still untouched, while the cleaning and canning process was uninterruptedly going on, and fresh supplies constantly arriving.

20. Although in size so much smaller than the fish of the earlier shoals (their weight not exceeding about 8 lbs.), these Suck-kai salmon amply compensate this inferiority by the greatness of their numbers and the continuance of their run. Their convenient size, too, adapts them well for canning, and they are therefore, by the canneries, especially prized for this purpose. Previous to our arrival, for the week ending July 5th, the catch of these fish (including, however, some of the larger kind), at this cannery, had been 60,000 lbs., and for the two days immediately preceding our arrival, 47,600 lbs. of which 2,500 lbs. had been purchased from Indian fishermen, the remainder caught by white employes. These last were supplied with nets and boats, and received for the fish delivered at the rate of 1 cent per lb.; the Indians, however, supplying fish at a cheaper rate. The take of spring salmon at the Inverness fishery has been as under:

Commencing to run on the 21st May, there were taken	
up to the 7th June.....	1,192 salmon.
averaging 20 lbs. each.	
Second week in June	1,389 "
Third " "	1,425 "
Total.....	4,006 salmon.

averaging 20 lbs. each, or in all about 80,120 pounds. The catch at the lower cannery, of both kinds, was probably about the same.

21. Withal, the whole amount of canned salmon put up by these two canneries during the past season was only 10,603 cases of 48 lbs. each, to which may be added a few hundred barrels secured by salting. Deterred by the same causes which had operated injuriously elsewhere, adequate preparations had not been made; and though afterwards a more active impulse was given to the business, the opportunity slipped by. The supply of tin for cans was already nearly exhausted at the period of our visit, and a very partial supply was afterwards procured from Victoria, where a limited stock only, to meet a decreased demand, had been laid in by dealers.

22. At this point, as elsewhere throughout, the services of the Indians are largely utilized in the work of the fisheries. At Inverness, in addition to the open-

air laborers, a number a women were employed in the net-loft making salmon-nets, an art in which they are expert.

23. While passing through Grenville Channel on our way to the Skeena we had visited Lowe Inlet, where there is a village of the Kit-Kahtla Indians, and which was the scene during the preceding summer of some trouble between the whites and the Indians, referred to in my last annual report. Into this inlet a stream, some 75 to 100 feet wide, is discharged by a picturesque rapid called, in the maps, the "Verney Fall." The examination of this locality by Col. Powell and myself confirmed the impression expressed by me in my last year's report; and I am of the opinion that the prescriptive rights of the natives, in small secluded localities such as this, should be secured to them free from intrusion. The whole of this intricate question, however, will require much consideration and no less judicious management. It is not by rash procedure, and the promotion of chimerical schemes, that the desired end is to be accomplished; and I have reason to believe that the Indian Department, made aware of the time and nature of the case, while checking authoritatively the inconsiderate proceedings that had been commenced, will establish a system under which the desired end may be gradually and prudently attained.

24. METLAH-KATLAH. This Missionary station is situated on the western side of the Chimsyan Peninsula, midway between the Skeena and Fort Simpson. Mr. Duncan, the worthy Superintendent and founder of this settlement, had kindly gathered the Indian Chiefs together in anticipation of our arrival, so that, with the advantage of fluent interpreters, we had the opportunity to discuss and explain divers matters affecting both the Indian Department and the Fisheries. I am glad to say that under these explanations a just apprehension of the policy of the Government in relation to the fisheries, both as affecting the white fishermen and themselves, was conveyed to the minds of the Chiefs. It will be for the Indian Department, acting advisedly with reference to the other interests involved, to settle hereafter questions of local detail, as, with the extension of the fishery operations, the necessity may gradually arise. In the progressive settlement of this question, which is in reality one of very deep importance, the cordial co-operation of the Provincial Government will necessarily be enlisted. Meanwhile the way for future proceeding has been smoothed, and we have the assurance that the jealousies, which under misapprehension had previously arisen in certain localities, have been removed.

25. Representations had been made to us at Skeena of undue interference on the part of Mr. Duncan with the Indians employed in the operations of the canneries, who are chiefly citizens of Metlah-Katlah; and it was more than hinted that there was a desire on his part to impede the progress of that establishment. Mr. Duncan, on our mentioning these complaints to him, vouchsafed to us such explanations as gave to the matter a very different aspect. While granting the great advantage of these canneries to his Indians as a lucrative source of industry, he complained that, while admitting the favorable disposition of the principals, an adequate system of restraint had not been enforced among the subordinate employes. That consequently, to guard against a licentious intercourse which would be subversive of all his past labors as a missionary, he had been constrained to establish, in conjunction with his council, composed of the elders of the village, certain restrictions upon the young women, whose inexperience laid them open to corruption. We could only assure Mr. Duncan that, from our personal knowledge of the respectable gentlemen who own these canneries, no effort, on its being made known to them, would be spared to check the evil complained of. I may add that afterwards, in conference with some of these gentlemen, in Victoria, I brought the subject up, when a desire was generally expressed to frame such regulations for mutual guidance as may tend in the desired direction.

26. Mr. Duncan also mentioned that the limits of the weekly close-time (ceasing at six p.m. on Sunday) was objectionable to the Indians as conflicting with the literal and rigid observance of the Sabbath, which he had always inculcated. The same objection was afterwards repeated by the Missionaries on the Naas River. I pointed out that these limits (from noon of Saturday to 6 p.m. of Sunday) had been adopted

with reference to Fraser River, with general concurrence of opinion, and with the special view of keeping the canneries clear of fish on the Sunday so that the observance of the Sabbath might not be interfered with. At the same time, in order not to violate any conscientious scruple, and to avoid injury to the canneries from the suspension of labor, I took upon myself the responsibility of altering, temporarily, the local application of the law, from six p.m. of Saturday till midnight of Sunday, thus equally preserving the weekly interval of thirty hours close time.

27. As a nursery of economical and efficient labor the proximity of Metlah-katlah to the northern fisheries is obviously important, and the cordial co-operation of the principal important to the canneries.

Equally, on the other hand, should these canneries prove beneficial to the native residents in the neighborhood. I might, did space permit, here describe at some length the various points of interest in the unique locality I have spoken of—presenting as it does the *beau ideal* of a flourishing mission station. Having done so, however, somewhat exhaustively through the public press after my return last summer, I will content myself by here observing that both in position and in internal arrangement this model village is beyond all ordinary praise. The population may amount to some eight hundred or a thousand. A good saw-mill, a turner's shop, carpenters', coopers', blacksmiths', and other trades are effectively carried on. In the school an assembly of 146 children of both sexes were congregated to meet us, fine, handsome children, clean, neat, and well instructed. In addition to other public buildings there is a church which deserves special mention. This edifice, built by native labor, under the supervision of Mr. Duncan, is of very substantial construction, and neatly finished externally. Internally, the fittings are well contrived, and there is ample sitting room for 1,200 persons. The Rev. Mr. Collinson and his wife are the zealous coadjutors of Mr. Duncan in his earnest labors; and since the period of our visit the Bishop of the new Episcopalian diocese of "New Caledonia," the Right Rev. Dr. Ridley, has taken up his residence in this locality.

28. Leaving Metlah-katlah we touched at Fort Simpson, where some matters of detail had to be attended to, and thence to the anchorage at the entrance of the Nass.

29. NASS RIVER FISHERY. This fishery station, situated at the right bank, some 12 miles up the stream, we visited in canoes, and afterwards proceeded some miles higher up, where we met the assembled Indians. At this point the Rev. Mr. Guen, of the Wesleyan mission, is established, and here also we found the Rev. Mr. Crosby, who had come from Fort Simpson, in canoe, to attend the meeting. At this place there is a neat little church, with a commodious school-house, adjacent to the residence of Mr. Guen. The Indian village is immediately adjoining; the approaches from which are formed of compacted saw dust procured from the saw-mill attached to the fishing station. At the meeting which ensued, a long discussion of Indian matters was held with Col. Powell, and some questions which had been referred to me by the fishery proprietors as effecting the relations between the Indians and themselves, were satisfactorily arranged.

The presence of this establishment in their immediate neighborhood is, indeed, under the excellent regulations established by Mr. H. E. Croasdaile, in whose hands the whole interest has since become vested, of great benefit to the natives. Besides the lucrative source of industry opened to the young men by their employment as fishermen in conjunction with the European employés, there are other concurrent industries which have likewise become available, and which will re-act favorably, it may be hoped, in support of the moral improvement of the Indians under the instruction which they elsewhere receive.

I refer more particularly to the substantial saw-mill which was, at the time of our visit, in process of erection at the fishing-station, to replace the old one of inferior capacity. The supply of saw-logs, and divers other services connected with the mill, will open to the natives a convenient and profitable source of local industry. I may mention that Mr. Croasdaile proposes, in connection with his fishery operations, to saw lumber for exportation. The fine quality of timber which he proposes to supply for this purpose (the red cedar of this coast, *thuja-gigantia*), its freedom from

knots in this locality, and its high value in foreign markets in the Pacific, apparently justifying the undertaking, notwithstanding the additional cost necessarily to be incurred for freightage.

30. The manufacture of Ooláhan oil at this station was not prosecuted to any extent during the past season, operations having been suspended, apparently until its marketable value shall have been more definitely established. About 200 gallons only were prepared for samples, a proportion of which has been sent to London and elsewhere, where its value for medicinal purposes, when recognized, will, it is believed, ensure a wide demand at encouraging prices.

Nor has the salmon product been so copious as, from the outlay incurred, might have been anticipated—about a thousand barrels of salmon only, and a few hundred barrels of Ooláhan, appearing in the return.

The frequent snags in the drifting grounds appear to have been the chief impediment to the fishery, restricting the area of operation, and elsewhere frequently tearing the nets.

Mr. Croasdaile, before his recent departure for London, whither he is gone with a view to future arrangements connected with his undertakings on the Nass, wrote to me a letter requesting me to lay before you the conditions of the case, and to ascertain whether some assistance might be afforded to clear the impediments which have during the past year prevented success. This I promised to do. He represents that an outlay of about \$25,000 has already been incurred in preliminary operations, for which, under the existing difficulties, a very inadequate return has hitherto been received, while, individually, his means do not permit of his undertaking the process of improvement without extraneous aid. He considers that an appropriation of one thousand dollars would suffice to put the drifting grounds into workable condition. As I am ignorant of the principle upon which such matters are conducted in other parts of the Dominion, I respectfully submit the representation of Mr. Croasdaile, without comment. At the same time, I may state that, from my own personal observation during the past two summers, there is unquestionably the necessity of a measure of improvement such as has been suggested, in order to render the fishing operations thoroughly effective.

31. The Nass River having been surveyed for a certain distance by the Admiralty surveyors, and a chart published, is navigated by steamers of light draught as high as the fishing-station. During our stay there the steamer "Western Slope," on her way back from Alaska to Victoria, came up and took on board a cargo of salmon. At the mouth of the river opposite to the anchorage is the Mission of Kincolith, an off-shoot from Methla-kátla, under the supervision of Mr. H. Schutt.

32. Crossing Chatham Sound and reversing our course from the Alaska Boundary, which we had now attained, we reached the northern end of the Queen Charlotte group of Islands on the 20th July.

33. MASSETT HARBOR, our first point of anchorage, is situated at the entrance of an extensive inlet which penetrates the northern division known as Graham Island. Here, as elsewhere, a conference was held with the Indians with satisfactory result. There is here an establishment of the Hudson's Bay Company, under the charge of Mr. Alexander Mackenzie, J.P.; and also a mission station conducted by Mr. Sneath, an attaché of the Methla-kátla Mission. The Indians of this group, known as the Hâi-daks, are numerous, and talk a language radically distinct from that of the Chimsyans of the opposite mainland. Though the adjacent deep-sea fisheries of halibut, &c., are very prolific, no white fishermen have yet appeared here.

A species of fish is caught in these waters of which I have frequently heard mention in terms of high praise, but of which I have never met with a specimen; I am therefore quite unable to say to what variety it may belong. For want of a better name it has here obtained that of coal-fish; though, it is said, not from any real resemblance to a fish of that name found in the Atlantic waters. The following description of this fish was afterwards supplied to me by Mr. MacKenzie, to whom I am indebted also for other welcome notes of information relating to fisheries in this quarter:—

"*Coal-fish*, length about 24 inches; back, dark colour; belly, grey; none at Massett. Inhabits very deep water, and said to abound in the vicinity of Virago Sound. Indians fish with a long line, with, say, ten hooks, and generally haul up as many fish. This fish yields a large quantity of oil, which is used as an article of food, and highly esteemed by the natives; not much fished for. Obstacles to prevent Indians from making it a business, depth of water (preventing anchorage of canoes); strong currents; necessity of calm weather."

From others, now and in times past, I have learnt that, from the richness of its flesh and from consistence, this fish would bear salting equally well with the salmon; which fish, indeed, with doubtless exaggerated praise, some have even declared it to excel. Withal, I do not question that, with time, this fish will prove, with the aid of proper vessels and the needful appliances, a valuable adjunct to the resources of the Provincial waters, either as a market fish, or certainly for the extraction of oil. I am not aware of its existence elsewhere on this coast, save only on the norther and outer shores of the Queen Charlotte Group. Though salmon of several varieties, but chiefly of the interior kinds, frequent the streams of these islands, these streams are necessarily, from the confined area of drainage, of small dimensions, and the supply, therefore, must be too inconsiderate to attract attention for mercantile purposes. On the other hand, the supply of sea-fish, distinctly so called, is extremely abundant; and halibut varying, exclusively of the smaller sizes, from 50 to 200 pounds are caught with facility on the numerous outlying banks. Fish largely exceeding these weights are said to be not uncommon; but the first-mentioned, the preferable size, I believe, for market, are the more numerous.

34. The Queen Charlotte Group is divided from the opposite islands, adjacent to the mainland of British Columbia, by the channel called Hecate Strait, varying in breadth from about twenty miles at the northern end to upwards of eighty at the southern extremity. From its insulated and widely detached position the climate of this group is comparatively more genial than that of the mainland opposed to it; and it is less subject to the frequent rain-falls which are generally characteristic of the summer season on the north-west coast. Cattle, at Massett, which is in latitude 54° , winter freely on the natural pastures, the snow never lying deeply, nor, as we were assured, remaining long. Owing to the nature of the country and its generally densely timbered condition, the agricultural capabilities are very limited, if indeed they are at all to be considered; nevertheless there are many detached spots of limited area susceptible of cultivation, and with productive soil. Of these the Indians avail themselves, partially, for the cultivation of the potato. This root they formerly raised more largely than at present, for barter with their neighbours of the mainland, who had not yet undertaken its cultivation. These Indians communicate with the opposite shores by means of their sea-going canoes—vessels of large size and elaborate structure. These beautiful crafts, modelled with an inventive perception of the relative proportions necessary to ensure speed, which art has been only tardily recognized in the construction of our modern clipper ships, are formed out of single trunks of the North-West cedar—the *Thuja gigantea* already mentioned. They vary in size from the smallest fishing canoes to the large vessel driven at times by forty or fifty paddles, and capable of carrying several tons of cargo. In many respects, indeed, these Islanders exhibit an extraordinary proficiency in divers mechanical arts—excelling even their neighbors of the mainland, who, in common with all the natives of the North-West coast, have long been noted for their ingenuity.

35. SKIDEGATE HARBOR, where we next anchored, is on the inner shore, at the south-western angle of Graham Island. Here there has recently been established a station for the extraction of dog-fish oil, in which, including the vessels attached and the necessary plant, a capital of nearly \$25,000 has been invested. The Skidegate Oil Company, by which name the concern is known, commenced operations last spring; but the summer was well advanced before their buildings were completed, and they were in a position to work effectively. About thirteen thousand gallons of oil were secured—in itself an inadequate return for the outlay, as regards the present year, but, in conjunction with the experience acquired, affording to the proprietors a

confident hope for the future. The oil is prepared at this establishment with great care, and a product of perfect clearness obtained. The livers of the fish (the only part employed) are first steamed, and the oil, after separation, is again subjected in another vessel to a certain degree of heat, by which very watery particles are dissipated. After being thus refined the oil is put up in cans of five gallons each, two of which are packed in a case, as is ordinarily done with coal oil. There is, I understand, a considerable local demand for this oil for lubricating and illuminating purposes, and there would be a larger outside market in Oregon and elsewhere, were it not that, in our exceptional position, under the provisions of the Washington Treaty, there is a duty, virtually prohibitive, on its importation into the United States.

36. The Skidegate Oil Company avail themselves largely of the Indian labor around them, and thus their presence in this locality will, under the prudent management which will doubtless be pursued, prove a continuous benefit to the natives and secure the continuance of their good-will. There is in this neighbourhood a vein of Anthracite coal, which, after having been partially opened and afterwards abandoned some years ago, is now being re-opened with a view to its future working.

37. After visiting CUMSHEWAS, another inlet on the eastern shore of the Queen Charlotte group, and where there was no point of interest to delay us, we continued our course southward for Queen Charlotte Sound and the west coast of Vancouver Island. I may here, however, remark that while the inner shores of the Queen Charlotte group are sufficiently well known, the outer coast has never been intelligently explored. There is little room for question that valuable fishing grounds exist there in proximity to convenient points for permanent stations connected with them; while it is well known that mineral products of great richness have been discovered there, whose latent sources exist.

38. QUATSINO SOUND and Inlet, the first point of our anchorage on the west coast of Vancouver Island, is an extensive arm, one branch of which penetrates to within half-a-day's march of Fort Rupert. We subsequently visited in succession the several inlets of KYOQUET, NOOTKA, HESQUIAT, and ALBERNI, finally reaching Victoria, as I have before remarked, on the 4th of August. At all these points, the natives were well clothed and in good condition, procuring a copious subsistence of salmon and other fish from the sea around them, and deriving profit from their chase of the fur-seal and sea-otter and other marine productions. No white fishermen are established on this portion of the coast, but there are several trading establishments where traffic is carried on. At Hesquiata we visited the Reverend Father Brabant, a zealous Roman Catholic missionary, who has long been established there.

39. The valuable fishery, or rather hunting area, of the fur-seal extends along the outer coast, at some distance from the shore, and, I believe, with moderate soundings, throughout the extent of British Columbia. In my report for 1876 I gave some account of the process by which these seals are hunted; and the greatly increasing value of the skins has since acted strongly as an inducement to the protection of the chase. The bank upon which these animals are chiefly found, extending as I have said, to the northern limits of the Province, is the resort of cod and other fish, the special localities where they more chiefly congregate being only partially known. Farther north, the coal-fish, to which I have before alluded, are doubtless abundant, some of the Hudson's Bay Company's cruisers in former days having caught them, occasionally in numbers, when casually becalmed. It would have gratified me much, had time and circumstances permitted, to have examined more narrowly into some of these points; and I entertain the hope that at no distant period the opportunity may occur which may enable me at least partially to do so.

40. In conclusion of my rapid *résumé* of our proceedings during this expedition, I may state, that while a portion only of this vast seaboard was visited, the effect produced, directly and indirectly, throughout, has been most beneficial. It is not necessary for me in this place, to advert, more particularly than I have elsewhere implied, to the action which may be necessary to sustain the good effect in the future, and less so since I am aware that Col. Powell has already brought the subject understandingly under the notice of his Department.

41. In my last annual report (par. 15), I casually, and without reflection, alluded to the coast line of British Columbia as extending over "at least three thousand miles." On subsequent consideration, perceiving how I had underestimated in making this hasty assertion, I proceeded to measure with some accuracy from existing charts and surveys in my possession, the continental and insular shore-line. At the same time, as a check upon my measurements, I requested Lieut. C. E. Needham, the Navigating Lieutenant of H. M. S. "Rocket," to favor me by making a computation from the admiralty charts, independently of my own. That gentleman kindly undertook the other wearisome task, and the result of his computation, recently forwarded to me, is confirmatory of my own. The result of my own measurements may be thus stated:—

	Miles.
East shore of Vancouver Island, from Victoria to Cape Scott, including islands, &c., in the Gulf of Georgia.....	678
West shore from Cape Scott to Victoria, including inlets, &c.	<u>1,045</u>
Total of Vancouver Island (English statute miles)..	1,723
Continental shore, including inlets, islands, &c.:—	
From Boun tary Line, latitude 49° to latitude 51°....	1,899
Latitude 51° to Alaska Boundary.....	<u>2,875</u>
Queen Charlotte Group.....	4,774
	<u>684</u>
Total (English statute miles).....	<u><u>7,181</u></u>

Thus showing an approximate total of seven thousand one hundred and eighty-one statute miles, or more than double the coast-line of Great Britain and Ireland.

42. In order to convey more vividly a conception of this wondrous coast-line, which on a mere glance at the map is not effectively realised, I subjoin in the Appendix, a detail of the various measurements, the probable future utility of which table, as an auxiliary, will compensate the pains taken in its preparation. It will be seen that in no other part of the world (the fiords of Norway alone affording, on a small scale, a feeble point of comparison), does such an extraordinary geographical outline exist. It would be vain to endeavour, save by reference to these measurements taken in connexion with a good accompanying map, to convey a notion of the strange involutions and intricacies of these grand inlets, and the complicated channels of the vast outlying archipelego. It is scarcely necessary to say that a very extensive system of inland and protected navigation is hence available, which, as regards the future extension of the fisheries, is of great importance. Thus the steamers leaving Victoria for Alaska reach the boundary of the Province, entirely through protected channels, save only a few miles of open sea-way after leaving the north end of Vancouver Island, across the Sound of Queen Charlotte, to the entrance of Fitzhugh Sound.

43. Presenting innumerable localities where oil-producing or other fishes abound, these narrow waters afford an almost boundless area for the future expansion of the fisheries. To this utilitarian view I must, however, confine myself, leaving unexpressed whatever rhapsodies I might be disposed to indulge in, were I to dilate upon the great natural beauties which are at every turn developed, and the sublime spectacles which frequently delight the eye of the tourist.

44. In par. 18 of this report I adverted to the fact that an American vessel had, previous to our visit, been engaged in illegally fishing for halibut at Newwitty Bar. Subsequently to my return to Victoria I succeeded in obtaining fuller information regarding the proceedings of this vessel, which afterwards, in September, made a second voyage, and carried away another cargo of fish to San Francisco. This vessel the "Emily Stephenson," Henderson of Astoria, Oregon, on her first voyage in May, proceeded to Knight's Inlet for ice, which she obtained from the glaciers near the

village of Sawatti; she then filled up at Newitty with halibut caught on the bar, varying in weight from 50 to 200 pounds each, and aggregating, it is reported, 27,000 pounds. On her second voyage having retained a sufficiency of her ice cargo on board, she again filled up with halibut to probably a considerably larger amount. These particulars were conveyed to you in my letter of the 15th November, and I then asked for instructions for my guidance in the event of a renewal, only too probable, in the approaching spring of these clandestine invasions.

45. The fish thus illegally procured entering the markets of San Francisco in a fresh condition, realize to the importer a wholesale price of some twenty cents per pound, since halibut is ordinarily quoted in the market lists as retailing at fifty cents and upwards. Partially, to meet the demand a constant supply is sent from Victoria by dealers by the frequent steamers plying between the two ports. But these legally exported fish are met with the burthen of a heavy import duty, while the others enter free. Putting every other consideration aside the position of the provincial dealer, under this point of view, is certainly a hard one. It is needless, however, to repeat the story of the position with regard to our neighbors which we occupy in consequence of the abrogation, so far as British Columbia is concerned, of the reciprocity provisions of the Washington Treaty, but it may at least be argued that, while on the opposite side the letter of the treaty, as construed with reference to this Province, is rigidly enforced, our fishermen in turn are entitled to a corresponding protection.

46. SALMON FISHERY.—From what I have already written it will be inferred that the salmon fisheries in this Province, in any case only partially opened, have, during the past summer, been greatly under-wrought. The very limited extent to which the fishing resources of this region have hitherto been availed of will be apparent, when the amount produced in 1878 is compared with that procured upon the adjacent coast of Washington and Oregon, and elsewhere, which I obtain from San Francisco newspapers and other sources.

	Cases.
Columbia River, Oregon.	418,000
Rogue " "	8,000
Sinlaw " "	10,000
Umpgna " "	6,000
Gray's Harbor (Chehely R.) W. T.....	3,000
Alaska.....	4,000
Sacramento River, California.....	15,000
Bel " "	8,000
Smith " "	4,000
	506,000
Fraser River, British Columbia.....	105,101
Skeena " "	8,500
	113,601

Total in 1878, cases 48 lbs. each..... 619,601

Equal in all to nearly thirty millions of pounds. Large as this aggregate amount may appear, it is yet inconsiderable when compared with the world-wide demand which has arisen. The following memorandum of its distribution, so far as ascertained, is quoted from a circular recently issued by Messrs. H. Hughes & Co., of San Francisco:—

	Cases.
To England, from San Francisco, Oregon and British Columbia.....	455,652
To Australia.....	49,000
" China and other foreign ports.....	5,240
" To Eastern States, by rail and water.....	87,000
Total.....	596,892

The same return shows a falling off for 1879 of 98,900 cases, originating from the causes before referred to. It concludes, however, with the following satisfactory remarks upon the product of the past season, which indicate that the warnings previously given have not been ineffectual by inducing greater care among the canneries :

"The pack of 1879, taken as a whole, has given more satisfaction than that of 'the previous year, greater care having been bestowed upon it, and even yet greater 'care in the future must be strongly advised for some brands."

47. I have read with interest some articles in the Ottawa papers relating to the introduction of fresh salmon, preserved in refrigerators, into the London markets during the winter. The completion of railway communication with this Province, no longer regarded by the most sceptical as a mythical problem, will open up a market in this branch which will doubtless not be neglected, and the day may not be remote when the salmon of the Pacific Coast will appear in prime condition at Billingsgate.

Here there can arise no question of unseasonable, and, therefore illegal, fishing, as supposed by Dr. Buckland and, I perceive, amply refuted, as regards the eastern fisheries, by Mr. Witcher, for our winter fish are caught in the open sea, in all the brilliance of their full condition. Every inlet, in the southern part at least, and inferentially throughout the Provincial coast, is stored with these fish, and wherever I have been, while travelling during winter, they were always obtainable for the table. Within a mile of the spot where I am now writing, and in sight from my windows, fish are at any time procurable by trawling; and it is needless to say that, in this temperate climate, no interruption from ice is known in these inlets. The quality of the salmon thus obtained, chiefly of the *saw-qui* variety, is very delicious. Their weight varies from 15 to 25 or 30 pounds, but much larger specimens are occasionally caught. I may add that, after entering the rivers, none of the salmon of the northern Pacific Coast rise to the fly, or are attracted by any other kind of bait.

I have recently seen it asserted that, while this rule is applicable to the lower parts of Columbia, near the head waters of that river the artificial fly is efficacious. I must say that this assertion signally contradicts the results of my own experience. I have descended the Columbia River more than once, from its sources to the sea, and, though not an observant on these points, I never could detect the slightest disposition on the part of the fish to gratify the angler; nor, indeed, in the deteriorated and moribund condition in which the salmon are, after reaching the head waters and depositing their spawn, could any angler contemplate their destruction, even were he of that class of which Mr. Punch's 'Arry may be regarded as the type, and however bent upon "sport."

48. The herring fishery, I regret to say, has not yet attracted much attention. Some 25 barrels have been salted, and a considerable quantity smoked, chiefly for local consumption. Five thousand gallons of herring oil were extracted at Burrard Inlet by the same parties who wrought there last year. From the refuse some 20 tons of crude fish-guano were prepared for local sale. The great proportions which the oil and guano business has attained on the eastern coast would encourage similar operations here, were a nearer market open for the disposal of the prepared guano. At present it seems more than questionable whether it would pay to dry the fish-scrap for shipment, and freight it to a market so remote as Liverpool. Else the herring here would justify operations corresponding to those in practice with regard to the Menhaden on the Atlantic coast, but with fewer and less costly difficulties. The average quantity of oil procured during the past season, and this perhaps without the most perfect appliances, was three gallons to the barrel, equal to that obtained, save exceptionally, from the Menhaden. I have recently been favoured by Professor Baird, through the Smithsonian Institute, with a copy of his last year's report, treating largely, among other things, on the oil and guano business of the United States; and I shall take measures to convey to parties engaged in the oil fisheries here a share of the information thus obtained.

49. Of the HALIBUT FISHERY I have little to add to what I have already noted. Some notion of its possible future value may be derived from the facts previously

related. The Indians, especially of Queen Charlotte's Island, to whom it is a staple article of food, cure it largely by drying; and in addition to the very considerable consumption in Victoria and elsewhere, considerable quantities are sent, in ice, to San Francisco.

50. OYSTER BEDS.—No active steps have yet been taken in this direction. Parties at New Westminster have applied for a lease of certain flats in that neighborhood. I beg to refer you to my communication of 12th August last.

51. With regard to a salmon-hatching establishment, I have nothing to add to what was conveyed in my report of last year (par. 17); to which, and to my previous communications on this subject, I respectfully refer you. With regard to the hatchery established in 1877, on a tributary of the Columbia River, referred to in my report of last year, I notice that Mr. Livingstone Stone, in his official report, speaks favorably; but I have not yet learnt what the practical result has been for the past year.

Meanwhile, as a protective measure, the Legislatures of Oregon and Washington Territories have established a close-time on the Columbia, corresponding with that observed in this Province, but with a shorter interval—i. e., twenty-four in lieu of thirty hours.

52. Since writing the foregoing I have completed the summary of the past year's returns, the closing items composing which have only recently been procured. The result, as I anticipated, is considerably short of that of the preceding year, though in advance of 1877. I have appended a computation of the amount of fish consumed throughout the Province by the natives, outside of the European supply, which may, indeed, be classed under the head of domestic consumption, seeing that the natives are, indirectly, contributors on a large scale to the general revenue, and are constantly acquiring greater importance with the spread of civilization. Large as the amount of this estimated consumption may be, approaching as it does to five millions of dollars, it is certainly not widely over-rated, and probably a good deal short of the truth. The causes which have produced the deficiency in the salmon products of the past year have been sufficiently explained in the preceding pages; but the apathy which, on the other hand, has retarded the expansion of the fisheries in the direction of the oil manufacture and other lucrative branches, has still to be accounted for. Aside from the universal depression of business which had affected us here, necessarily as elsewhere, a feeling of uncertainty prevailed, of local origin, which has greatly impeded investment. The feeling of confidence, however, which now happily exists, and the general elasticity of feeling which constantly prevails, will certainly give, with the coming year, an impetus to industrial enterprise throughout the Province. I do not question that among the rest, the fishery interests will command a due share of the public attention, commensurate, in some degree, at least, with the vast field which they afford for the profitable employment of men and means.

I have the honor to be, Sir,

Your most obedient servant,

ALEXANDER C. ANDERSON,

Inspector of Fisheries for British Columbia.

APPENDIX.

Approximate measurement of distances composing the coast line of the continental shore and outlying archipelago of British Columbia.

Vancouver Island.

East and north shore line, exclusive of inlets, Victoria	Eng. stat. mls.
to Cape Scott, the north-western extremity.....	330
Inlets: Cowitchan Bay, Finlayson Inlet, &c.....	56

Circuit of islands in Strait de Arro:—	
“ Mayne Island, Saturna, &c.....	50
“ Admiral Island	45
Circuit of islands in Gulf of Georgia:—	
“ Galiano, Valder, Gabrisla, &c.....	80
“ Lasquiti Island.....	25
“ Texada “	62
“ Denman Island and Hornby Island.....	30
Total east and north shore and islands.....	
	678

West shore, southward:—

Cape Scott to Victoria, exclusive of inlets, &c.....	290™
Inlets, &c.—Quatsine Sound and Arms.....	128
Klaskino, Naspate, &c.....	30
Kyogot Sound, including N. Tasheesh and Koks- hittle Arms.....	60
Esperanza Inlet, including Espinosa Arm, Tabella Arm, &c.....	100
Nootka Sound, including Klupana, Tasheesh and Muckalat Arms.....	112
Hesquiat Harbour and Sydney Inlet.....	85
Clayogot Sound, including Herbert Arm, inner passage of Flores Island, &c.....	40
Bedwell Sound, and circuit of Vargas Island, and Meare's Head, &c.....	45
Tofin's Inlet.....	30
Barelay Sound and Effingham Inlet.....	75
Alberni Canal.....	50
	— 1,045

Total shore line, V. I., with inlets and principal outlying islands..... 1,723

Continental Shore.

From boundary line, latitude 49°, along east shore of Gulf of Georgia and John-
ston's Strait to intersection of latitude 51°.

Shore line, exclusive of inlets.....	Eng. Stat. Mls. 260
Inlets, islands, &c., circuit:—	
Burrard Inlet, with Arms.....	60
Howe Sound and Islands.....	60
Jervis Inlet, including South Arm, Salmon Arm, Narrows Arm, North Arm, &c.....	214
Desolation Sound, including Homfray Channel, Toba Inlet and Ramsay Arm.....	120
North Valder Island, Redonda Island, &c ...	180
Bute Inlet	95
Frederick Arm, Cardero Channel, and Thurlow and Hard- wicke Islands.....	140
Loughborough Inlet.....	89
Call Creek, and Archipelago at entrance of Knight's Inlet	130
Knight's Inlet and back to north end Gilford Island....	150
Thompson's Sound.....	50
Tribune Channel and Bond Sound.....	70
Sutlej Channel, Simpson Sound, McKenzie Sound, &c... ..	100

Wakeman Sound and Kingcombe Inlet.....	50
Wells' Passage and Drury Inlet.....	30
Blunder Inlet.....	10
Circuit of Malcolm Island.....	40
Estimated circuit of Hope and other islands up to Point Mexicana	60
	— 1,639
Total boundary to latitude 51°.....	<u>1,899</u>

From Latitude 51° to Alaska Boundary.

	Eng. stat. miles.
To Seymour Inlet.....	8
Seymour Inlet, Salmon Arm &c.....	105
Nugent Arm, &c	124
To Cape Caution.....	15
To Table Island and circuit of Smith's Inlet.....	37
To entrance of Fitzhugh Sound.....	4
To head of Rivers' Inlet and back to St. Addenbrooke...	65
Circuit of Penrose Island.....	15
Point Addenbrooke to Point Edmund.....	27
Circuit of Calvert Island.....	47
“ McLoughlin Island.....	55
“ Denny Island.....	30
“ do (Second Island).....	30
“ Middle Island)	25
“ Outer Island, } divided by Hecate Channel..	35
Burke Channel, Port Edmond to Point Walker.....	75
“ North Bentinck Arm.....	36
“ South do	56
Point Walker to Sunny Island	18
Dean Channel, including Cascade Inlet, and passage east of King's Island.....	140
Main Shore line, Sunny Island to Seaforth Channel.....	90
Circuit of Island near Grief Island.....	20
Grief Island to head of Muscle Canal, east shore....	70
west shore back to Boulder Point.....	45
	— 115
Remainder of Circuit of Roderick and adjacent Island..	45
Circuit, Price, Swindle and Sarah Islands.....	90
North Point of Sarah Island to Cape Stanforth (east shore only).....	50
Circuit Princess Royal Island.....	110
Aristizable Island.....	45
Promise Island.....	30
Gardner's Canal.....	125
Cape Stanforth round to Camp Point.....	105
Circuit of Hawkesbury Island.....	65
“ “ Estevan, Compania and Gill Islands	105
“ “ Banks' Island.....	110
East, or mainland shore of Grenville Channel, from Camp Point to Port Essington.....	90
Circuit of Pitt Island.....	125
“ “ Petrel Island	60
“ “ Dolphin Island.....	70

Port Essington to Fort Simpson.....	48
Circuit of Stephen's Island, Coffin Island, &c.....	60
“ “ Dundas Island.....	45
Fort Simpson to head of Observatory Inlet, and back to Point Ramsden.....	125
Point Ramsden to head of Portland Canal (south shore only) opposite shore in Alaska.....	60
Work Channel	100
Nasoka Inlet.....	40
<hr/>	
Total Continental shore and principal Islands from lati- tude 51° to boundary of Alaska—E. Sa. miles.....	2,875

QUEEN CHARLOTTE GROUP.

Graham Island.

Shingle Point, Skidegate Bay, to Point Rose.....	62
Point Rose to Massett Point.....	32
Masset Inlet, estimated.....	30
To Virago Sound.....	8
Circuit of Virago Sound.....	24
To Cape Knox (extreme north-west point of British Columbia.....	35
To west end of Skidegate Strait.....	78
Skidegate Strait, across to Shingle Point.....	65

Moresby Island.

Shincuttle Channel to Spit Point	75
Skidegate Channel (Spit Point to Point Buck on west shore	45
Point Buck to Cape Henry, including Port Kuper, &c... ..	50
Cape Henry to Tasso Harbour	20
Circuit of Tasso Harbour.....	25
From Tasso Harbour to Shincuttle Channel (west end)	45
Shincuttle Channel across to east side.....	10

Total circle, Moresby Island 250

North Prevost Island, circuit.....	45
South Prevost Island, “	55

Total, Queen Charlotte Group, E. S. miles 684

N.B.—This group has not been minutely surveyed, and there is, therefore, some uncertainty as to the subdivisions.

Eng. stat. miles.

Recapitulation.

Vancouver Island.....	1,723
Continental Shore, to latitude 51°.....	1,889
“ “ latitude 51° to Alaska boundary.....	2,875
Queen Charlotte Group.....	684

Total, English statute miles..... 7,181

Aberdeen, Mouth of Skeena River.....	Windsor Canning Co	35	229968															do
do	do	45																London and Victoria, B.C.
Nass River.....	H. E. Crossdale & Co.....	980			425													San Francisco & Victoria, B.C.
Alert Bay.....	Mr. Huson.....	350																do
Skidegate Bay, Charlotte Island Coast of British Columbia.....	Skidegate Oil Co.....																	London, chiefly.
do	Victoria Merchants, including Hudson's Bay Co.....																	London.
do	Export per Customs Return.....																	do
do	Local consumption, mills, mines, &c.....																	do
do	To San Francisco by Steamers.....																	do
do	To San Francisco by other conveyance.....																	do
do	Various parties in Victoria, Esquimalt and other places.....	150																do
Total Product.		21594																do
Total Kits.....		45																do
Total Value.....																		do

ADD—Estimated Sales of Fish in Markets..... \$35,000 00
do Fish Cured for home consumption..... 2,000 00
Total..... \$37,000 00

ALEX. C. ANDERSON,
Inspector of Fisheries, B.C.

VICTORIA, B.C.,
27th January, 1880.

RECAPITULATION.

YIELD and Value of the different Fisheries in the Province of British Columbia during the Year 1879.

Salmon, salted, 2,159½ brls., at \$8.....	\$17,276 00
do do 45 kits, at \$3.....	135 00
do preserved in cans, 2,932,464 lbs., at 13½c.....	395,882 64
do smoked, 22,500 lbs., at 8c.....	\$1,800 00
do do not enumerated, value.....	750 00
	<hr/>
do fresh, exported from Fraser River, 15,000, at 50c....	7,500 00
Fish (assorted), salted, 50 brls., at \$6....	300 00
Herrings, salted, 20 brls., at \$4.....	80 00
do smoked, 24 brls., at \$10.....	240 00
do not enumerated, value.....	1,250 00
Oolâhans, salted, 425 brls., at \$8.....	3,400 00
Oil—Oolâhan, 250 gallons, at \$1.....	250 00
do Herring, 5,000 do at 50c.....	2,500 00
do Dogfish, Seal and Porpoise, 104,475 gallons, at 40c.....	41,790 00
do Dogfish-liver oil (refined), in tins, 12,780 galls., at 55c..	7,029 00
Seal skins (common hair seals), 3,000, at 50c....	1,500 00
do (fur seals), 12,500, at \$8.....	100,000 00
Sea Otter skins, 140, average each \$40....	5,600 00
Haddock and other fish, dried, value.....	150 00
Halibut, fresh, in ice, to San Francisco by steamers, value.....	\$3,500 00
Halibut, fresh, in ice, to San Francisco by other conveyance (see report), 62,000 lbs., at 6c....	3,720 00
	<hr/>
	7,220 00
Fresh fish sold in markets.....	35,000 00
Fish cured for home consumption.....	2,000 00
Fish guano, 19 tons, at \$6.....	114 00
	<hr/>
Total for 1879.....	\$631,766 64
do 1878.....	925,766 98
	<hr/>
Decrease'.....	\$294,000 34
	<hr/> <hr/>

COMPUTATION of Home Consumption of Fish by the Indians of British Columbia, exclusive of European supply.

Population of 35,000 throughout, computed average annual consumption per head, fresh and dried, of salmon, 500=17,500,000, at 25c.....	\$4,375,000
Proportion of Coast Indians (included above), 20,000, who consume on an average at least 150 lbs. each of halibut=3,000,000 lbs., at 6c.....	180,000
Sturgeon on Fraser River, trout, herring and other fish, throughout.....	250,000
Oolâhan and other oils on Coast, say 10 gallons each=200,000 gallons, at 40c.....	80,000
	<hr/>
Total.....	\$4,885,000
	<hr/> <hr/>

NUMBER and Value of Vessels and Nets engaged in the different Fisheries of the Province of British Columbia during the Year 1879.

2 Steamers, 10 and 50 tons	\$8,000 00
2 Schooners, 50 and 60 tons	2,400 00
354 Fishing boats	18,685 00
12 Flat boats.....	1,315 00
369 Salmon nets, 82,220 yards.....	39,757 00
15 Oolshan nets.....	450 00
51 Fish seines.....	4,100 00
1 Herring net, 120 yards.....	125 00
2 Salmon seines, 400 yards	250 00
Total.....	<u>\$75,082 00</u>

11 Canning establishments for salmon, assumed value of each \$10,000	\$110,000 00
1 Herring oil establishment, value.....	1,000 00
1 Dogfish oil do do	8,000 00
Total.....	<u>\$119,000 00</u>

1,108 Fishermen.
1,004 Shoremen.
8 Sailors.
1 Engineer.

ALEX. C. ANDERSON,
Inspector of Fisheries, British Columbia.

VICTORIA, B.C.,
27th January, 1880.

APPENDIX
PROVINCE

RETURN of the Number and Value of Vessels, Boats, Nets, &c., together with

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,							
	Vessels.			Boats.			Gill Nets.		Seines.		Pounds Nets.			
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	
<i>Lake Superior Division.</i>														
Fort Williams (Indians).....					8	80	16	24	160	200				
Great Saganash					1	50	3	3	150	250				
Point Porphyry					1	80	2	2	75	100				
Woods Location														
West Welcome Island.....					1	60	3	3	190	300				
East Welcome Island.....					1	100	3	2	50	85				
Thunder Bay.....					6	360	14	11	425	685			1 40	300
Michipicoten Island.....					1	150	3	10	400	480				
North Mamainse.....					3	600	6	40	3750	4500				
North Goulais.....					4	120	12	2	100	120				
Sault Ste. Marie's Rapids.....					7	140	14							
Total.....					33	1740	76	97	5300	6720			1 40	300
<i>Manitoulin Island Division.</i>														
Duck's Islands	1	8 6000		4	7	1200	17	40	4000	600				
Cockburn Island.....					8	1800	18	40	4000	600				
Grand Batture.....														
Bayfield Sound.....					6	300	12	30	600	150				
Sheshewaning (Indians).....														
Lake Kakawong.....					5	150	10	20	200	60				
Providence Bay.....					1	75	2	5	50	20				
Michaels Bay					6	300	12	30	600	150				
South Bay.....					5	250	10	30	600	150				
East Manitoulin.....					18	900	36	110	2500	550				
Other parts of this Division.....														
Total.....	1	8 6000		4	56	4975	117	305	12550	2280				

NOTE.—72 Special Angling Permits were issued in Nepigon.

No. 18.

OF ONTARIO.

the Yield and Value of Fish in the Province of Ontario, for the Year 1879.

VALUE, &C.				KINDS, QUANTITIES AND PRICES OF FISH.										VALUE.	TOTAL.					
Hoop Nets.		Scoop Nets.		Whitefish, brls.	Whitefish, brls.	Whitefish, No.	Trout, brls.	Herring, brls.	Sciscos, brls.	Maskinonge, brls.	Bass, brls.	Pike, brls.	Pickarel, brls.	Coarse Fish, brls.	Fish used for local consumption, brls.	Total number of barrels of Fish.	Fresh.	Pickled.	Value.	
No.	Value.	No.	Value.																	
	\$		\$																\$	cts.
				30			35								20	85		730		730 00
				50			40								30	120		1020		1,020 00
				10			30								10	50		440		440 00
				10	4000		10								10	50	220	220		440 00
				20			30								15	65	360	200		560 00
				88	15000	5400	150								90	459	2500	1530		4,030 00
				12			253								50	315		2850		2,850 00
							375								80	509	3000	1610		4,610 00
							20								5	25	220			220 00
		7	42		12000										10	70	640			640 00
		7	42	220	41800	5400	943								320	1746	6940	8600		15,540 00
				70	240000										70	1340	6000	6980		12,980 00
				30	50000										60	340	1500	1540		3,040 00
				50	96000										100	630	3000	2700		5,700 00
				25											20	45		330		330 00
				25											20	45		330		330 00
					3600										30	48		300		300 00
				5			5								30	40		220		220 00
				25			75								30	130		1120		1,120 00
				20			50								20	90		780		780 00
							200								150	350		2600		2,600 00
															250	250		1000		1,000 00
				250	389600		330								780	3308	10500	17900		28,400 00

RETURN of the Number and Value of Vessels,

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,									
	Vessels.			Boats.			Gill Nets.			Seines.			Pound Nets.			
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
<i>Georgian Bay Division.</i>			\$			\$				\$						\$
Byng Inlet.....					2	200	5	20	2000	700						
Point Barril.....	1	15	1500	3	5	550	11	60	6000	2100						
Shawinigan.....					5	560	12	60	800	300						
Mink Island.....					4	200	12	50	1040	400						
Midland Station and Penetanguishene, from Point Cockburn to Moose Deer Point.....					5	565	70	228	4533	667						
Collingwood.....	1	15	1500	4	9	1350	18	139	69510	4860						
Thornbury.....					1	150	2	12	6000	420						
Laura's Bay.....					2	300	4	30	15000	1050						
Nottawasaga.....					1	100	2	12	6000	420						
Killarney.....					1	100	2	8	4000	280						
Meaford and Isle of Coves.....	1	7	800	3	5	355	10	16	670	560						
Owen Sound.....	1	5	600	2	3	240	6	7	160	195						
Colpoy's Bay.....					2	180	5	6	230	200						
Vail's Point.....					2	120	4	5	210	175						
Lion's Head.....					1	80	2	4	150	140						
Total.....	4	42	4400	12	48	4690	165	657	116293	12467						

RETURN of the Number and Value of

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,									
	Vessels.			Boats.			Gill Nets.		Seines.		Pound Nets.					
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
<i>Lake Huron Division.</i>			\$			\$				\$			\$			\$
Saugeen.....					8	1650	24	584	11500	5650						
Southampton.....																
Sable Beach.....																
Port Elgin (no fishing carried on.....)																
Kincardine.....					5	1050	15	342	8200	3450						
Whitefish Island.....																
Goderich.....					6	1075	19	464	10208	4250						
Bayfield.....					3	725	9	234	5120	2150						
Lake View.....							100	250	2000	1200						
Bosanquet.....					4	220	16				4	270	800			
* Lake Shore.....					12	256	34				7	469	850			
† Point Edward.....					2	40	9				3	35	150			
Sarnia Bay.....					2	30	6	8	120	32	1	18	75			
Indian Reserve.....					5	65	21				5	70	275			
Moore.....					3	30	13				3	42	140			
Total.....					50	5141	266	1882	37148	16832	23	902	2290			

* 5,100 hooks on 5,100 fathoms of trout lines, valued at \$150.00.
 † 2,000 do 2,000 do do \$100.00.

Vessels, Boats, Nets, &c.—Ontario—Continued.

VALUE, &c.				KINDS, QUANTITIES AND PRICES OF FISH.												VALUE.	TOTAL.				
Hoop Nets.		Scoop Nets.		Whitefish, brls.	Whitefish, lbs.	Whitefish, No.	Trout, brls.	Herring, brls.	Scoscos, brls.	Maskinonge, brls.	Bass, brls.	Pike, brls.	Pickarel, brls.	Sturgeon, brls.	Coarse Fish, brls.	Fish used for Local Consumption.	Total No. of brls. of Fish.	Fresh.	Pickled.	VALUE.	
No.	Value.	No.	Value.																		
	\$		\$																	\$	cts.
				275000		800	610									140	940	8560			8,560 00
																300	2285	21050			21,050 00
				110600		220	756									200	1729	11554			11,554 00
				211000			300									60	260	1440			1,440 00
				93000			465									200	1720	13210			13,210 00
						260	120									100	945	8130			8,130 00
						15	350									70	435	1830			1,830 00
				35400			129									100	612	3693			3,693 00
				1200		15	939									240	1410	5976			5,976 00
				400			874									200	1438	3000	3126		6,126 00
							288									70	367	777	700		1,477 00
							412									90	568	1300	1038		2,338 00
							526									100	626	1500	1004		2,504 00
				726600		1920	5159		53	9	528	240	23	1870	13435	82020	5368			87,888 00	

RETURN of the Number and Value of Vessels,

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,									
	Vessels.			Boats.			Gill Nets.		Sefnes.		Pound Nets.					
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.			
<i>Thames River and Lake St. Clair Division.</i>																
Mitchell's Bay.....				7	105	22					6	335	1005			
Little Lake.....																
Sydenham River.....																
Thames River.....				21	215	133					25	362	1500			
Lake St. Clair, from Mitchell's Bay to Detroit River.....											2	145	300			
Total.....				28	320	155					33	842	2305			
<i>Detroit River Division.</i>																
Detroit River.....				6	240	42					10	250	1500			
Turkey Island.....				1	40	7					2	50	300			
Turkey Creek.....				1	20	3					2	25	150			
Bois Blanc Island.....				1	40	7					2	50	300			
Fighting Island.....				10	400	49					10	275	250			
Peach Point.....				6	235	37					7	100	525			
Peach Island.....				2	80	12					2	25	120			
River aux Canards.....				1	20	2					1	25	75			
Total.....				28	1075	159					36	800	3220			
<i>Lake Erie Division.</i>																
Point Pelee.....				17	1040	39						13	960	3175		
Point Pelee Island.....				23	1175	23	14	1360	600			10	900	2400		
Rondeau.....				8	200	12						6	500	1160		
Tyrconnell.....				1	50	2						1	100	300		
Port Talbot.....				1	40	2						1	75	300		
Port Stanley.....				2	160	4						2	180	700		
Port Bruce.....				4	55	10					3	105	175	300		
Port Burwell.....				1	5	3					1	40	50			
Turkey Point.....				4	49	16					4	820	570			
Port Dover.....				3	300	10					4	500	2000			
Nanticoke.....				1	100	30						2	200	800		
Grand River, Sulphur Creek, Dunnville, Haldimand and Port Maitland.....				8	16	21	2	10	6		8	160	430			
Point Abino.....	1	575	2	6	370	6						4	322	1085		
Point Shesler.....				2	25	4					2	25	125	475		
(Old Fort Erie, L.E. (hooks and lines)).....				3	390	13										
Grand River Division (angling).....																
Total.....	1	8	575	2	84	3975	168	16	1370	606	18	1150	1350	47	3947	12695

Boats, Nets, &c.—Ontario—Continued.

VALUE, &c.				KINDS, QUANTITIES AND PRICES OF FISH.													VALUE.	TOTAL.				
No.	Value.	Hoop Nets.	Scoop Nets.	Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, barrels.	Herring, barrels.	Sciscos, barrels.	Maskinongé, barrels.	Bass, barrels.	Pike, barrels.	Pickereel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels.	Fish used for local consumption, brls.	Total No. of barrels of Fish.	Fresh.	Pickled.	Value.		
	\$	No.	No.															\$		\$	cts.	
12	240			200			110	288			12	4	525		510	255	1904	10017		2,546	00	
																6	6	24			24	00
12	240			200			110	288			4	310	113	621	836	366	2848	14300		14,300	00	
						35000		1	1		4	10	21	20	35	80	522	4244		4,244	00	
						1200							1			4	17	141		141	00	
						3500					1		1		5	1	6	24		24	00	
						38000		300	6				30	26	50	10	796	400		400	00	
													60	220	52	5	316	5520		5,520	00	
													1	8				1673		1,673	00	
													2	3	30	200	5	245		1,215	00	
													1				2	13		53	00	
						77700		301	8		16	13	143	460	157	117	1992	13270		13,270	00	
				200	6800			880	2	241			169	174	44	100	2124	12166		12,166	00	
					70000			200	20	80				75	70	100	895	12745		5,855	00	
				20	600			616					114	268	21	60	1092	4888		4,888	00	
																37	37	148		148	00	
					3000											15	30	210		210	00	
					4000											123	20	163		772	00	
					2000											178	25	213		912	00	
																12		12		48	00	
					2800	500		72		8			40		45	13	197	950		950	00	
					6000	200		575		17	12		65	136	160	40	1037	4570		4,570	00	
					4000	200		200		15			20	25		15	297	1380		1,380	00	
				2				20	5	27	39	37			85	5	220	1000		1,000	00	
				7				189		40		109			451	20	816	3455		3,455	00	
								5		4		2			14	5	30	126		126	00	
														30	20	50	230		230	00		
										4	4	10	6		10		34	160		160	00	
				229	165200	900		2757	31	436	61	562	708	1233	445	7247	36870		36,870	00		

RETURN of the Number and Value of Vessels,

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,									
	Vessels.			Boats.			Gill Nets.			Seines.			Pound Nets.			
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
			\$			\$				\$			\$			\$
<i>Niagara River and Lake Ontario Division.</i>																
Fort Erie, Niagara River.....					2	60	4				2	20	180			
Bertie.....					2	40	6				2	40	200			
*Willoughby.....					1	20										
*Navv Island.....					1	20										
Queenstown, North River.....					6	100	11				1	90	150			
Tannery do.....					1	50	3				1	90	120			
Niagara.....					7	190	9	5	1050	350	4	150	350			
Two-Mile Creek.....					2	100	4	5	700	350						
Four-Mile Creek.....					4	216	8	7	1230	460	1	50	50			
Ten-Mile Creek.....					2	5	3	1	180	100	2	30	60			
Port Dalhousie.....					1	120	3	5	1050	360	1	50	100			
Sixteen-Mile Creek.....					2	180	3	3	150	120						
Twenty-Mile Creek.....					3	135	8	3	260	140	2	60	300			
Clinton.....					1	49	2	2	220	80						
Thirty-Mile Creek.....					1	40	2	2	130	100						
Grimsby.....					1	75	2	7	1000	420						
Winona.....					1	75	3	6	1080	330						
Burlington Beach.....					18	935	37	25	2409	1208.12	774	1455				
†Burlington Bay and Dundas Marsh.....																
†Burlington Bay and Dundas Marsh.....							110									
Bronte.....					5	275	9	14	1714	850	1	50	100			
Oakville.....					1	60	2	2	200	60						
† do.....							20									
Port Credit.....					1	25	4	4	280	84						
† do.....							20									
The Humber.....					3	160	4	6	700	210	1	50	150			
Toronto Island.....					4	250	8	12	1890	920	4	200	860			
Ashbridge's Bay.....					2	80	3	6	690	200						
Leshville.....					2	250	2	5	500	210	1	50	150			
Gates Gully.....					1	40	3	6	360	300	1	30	50			
The Rouge.....					2	25	6				2	45	75			
Frenchman's Bay.....					3	90	6	13	1000	420	1	30	120			
Whitby.....					4	50	3	2	40	30	2	35	90			
Brighton.....					8	495	21	60	6000	1080	2	50	100			
Colborne.....					4	165	11	25	2500	450						
Cobourg.....					9	420	18	40	4000	450	1	20	30			
Port Hope.....					4	200	6	15	1500	270	2	50	55			
Port Britain.....					1	10	2				1	20	30			
Port Granby.....					1	10	2				1	20	25			
Bowmanville.....					3	85	6	5	500	90	2	40	60			
Total.....					114	5236	399	286	31333	9642.50	2044	4860				

* No fishing.

† Spearing.

‡ Angling for domestic use.

§ Machines.

Boats, Nets, &c.—Ontario—Continued.

VALUE, &c.				KINDS, QUANTITIES AND PRICES OF FISH.														VALUE.		TOTAL.		
No.	Value.	No.	Value.	Whitefish, brls.	Whitefish, lbs.	Whitefish, No.	Trout, brls.	Herring, brls.	Sciscos, brls.	Maskinongé, brls.	Bass, brls.	Pike, brls.	Pickereel, brls.	Sturgeon, brls.	Coarse Fish, brls.	Fish used for local consumption, brls.	Total No. of brls. of Fish.	Fresh.	Pickled.	Value.		
																				\$	cts.	
								67			10		210		33	60	380	1740			\$	cts.
								50			3		80		20	20	173	775			\$	cts.
	\$ 750								90		15		49		17	30	301	863			\$	cts.
									30				24		4	10	68	296			\$	cts.
				89					28		3		70		21	20	231	1531			\$	cts.
				150					16		8		20		18	20	232	1856			\$	cts.
				150					16		2		36		19	20	243	1910			\$	cts.
								15	6						40	5	71	289			\$	cts.
				9			3	4	30	10	2				32	10	100	484			\$	cts.
				3						15	9				4	5	36	186			\$	cts.
				4				10	15	5	25	13			11	10	93	439			\$	cts.
								6	10	8		6			3	10	43	86			\$	cts.
				6				5	10						3	10	34	172			\$	cts.
				13				20	16	10	7				10	10	86	439			\$	cts.
				25				30	10	8					6	10	89	514			\$	cts.
				248			2	90	279		3	1			47	100	770	4584			\$	cts.
								10			50	80				5	145	710			\$	cts.
											30	40			30	5	105	490			\$	cts.
				7			5	28	210		4				11	20	285	1216			\$	cts.
								4	4								8	32			\$	cts.
				20			2	4							60	10	70	280			\$	cts.
								7							20	10	59	371			\$	cts.
															40	5	45	180			\$	cts.
				7											15	5	42	218			\$	cts.
				95			30	50	60		25	100			90	10	460	2715			\$	cts.
								4	6		6	30			8	5	49	232			\$	cts.
								10	6				14		10	59	364				\$	cts.
									2						10	34	244				\$	cts.
				2				2					2		10	5	21	98			\$	cts.
				8			19	6		24					4	10	71	470			\$	cts.
											2		8		9	4	23	102			\$	cts.
					100000		750			550	500				580	90	2970	20430			\$	cts.
4	750			859	100000		825	600	650	636	728	275	494		1175	554	7296	44421			\$	cts.

RETURN of the Number and Value of

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, VALUE,									
	Vessels.			Boats.			Gill Nets.		Seines.		Pound Nets					
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
<i>Prince Edward County and Bay of Quinté Division.</i>			\$			\$				\$			\$			\$
Weller's Bay and Consecon Lake, From Weller's Beach to Spencer's Point					3	75	9									
Wellington Beach.....					8	240	24	1500	600							
East Lake and Beach					8	240	40				7	350	1100			
From Salmon Point to Petticoat Point					3	90	15				3	200	600			
From Petticoat Point to Point Tra- verse					21	600	42	15000	2700							
Main Ducks, False Ducks, Gull and Timber Islands	3	10	3000	9	30	1100	70	30000	6000							
South Bay																
Smith's and Green Bays					19	380	38	3000	1000							
Winter fishing in South Bay and Smith's Bay																
Sophiasburg					2	10	12				2	120	400			
Big Bay.....					6	550	32	6	600	600						
Ameliasburgh.....					4	200	24				4	240	800			
Negro Island.....					1	50	6				1	60	200			
Zuick Island.....					1	50	6				1	60	200			
Point Ann.....					3	150	18				3	180	600			
Tyendinaga.....					9	450	40				9	540	1700			
Winter fishing in Bay of Quinté.....																
Total.....	3	10	3000	9	118	4185	376	6	50100	10900	30	1750	5600			

Vessels, Boats, Nets, &c.—Ontario—Continued.

VALUE, &c.		KINDS, QUANTITIES AND PRICES OF FISH.													VALUE.		TOTAL.					
No.	Hoop Nets. Value.	No.	Scoop Nets. Value.	Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, lbs.	Herring, barrels.	Siscos, barrels.	Maskinongé, barrels.	Bass, barrels.	Pike, barrels.	Pickerel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels.	Fish used for local consumption, brls.			Total No. of barrels of Fish.	Fresh.	Pickled.	Value.
18	180														100	5	105	420				420 00
					32000		60									60	280	2440				2,440 00
					36000		100									50	300	2700				2,700 00
					20000											20	120	1080				1,080 00
					57600		168									100	556	2000	2960			4,960 00
					20000											25	125	700	400			1,100 00
					107400		363									150	1950	4100	5500			9,600 00
					101200		535						2			200	20	220	880			880 00
																150	1193	11020				11,020 00
															1560		1560	6240				6,240 00
				20				22			4	5	7		5	10	73	428				428 00
				30				181				1	1		10	15	238	1134				1,134 00
				77				50	1	6	12	15	3		26	25	215	1359				1,359 00
				15				5	2	4	6				7	5	44	278				278 00
				50				10	2	3	4	7			5	5	86	660				660 00
				35				38		15	20	38			64	12	222	1171				1,171 00
				128				125		45	44	50			147	30	569	3183				3,183 00
															1375		1375	5500				5,500 00
18	180			355	368200		1226	431		5	77	94	118		3	3499	682	8331		54153		54,153 00

RETURN of the Number and Value of Vessels

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,								
	Vessels.			Boats.			Gill Nets.			Seines.			Pound Nets.		
	No.	Tonnage.	Men	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
<i>Lennox and Addington Counties Division.</i>															
North Fredericksburg.....				2	20	4	1	10	5	1	5	25			
Hay Bay.....				5	75	9	27	550	122	1	5	25			
Auolphustown.....				3	37	8	10	200	50	1	20	100			
Total.....				10	112	21	38	760	177	3	30	150			
<i>Kingston Division.</i>															
Upper Gap and Bay of Quinté.....				16	880	33	218	2164	872						
Rideau Canal and Lakes.....				22	236	22	12	420	150						
Bayfield Bay.....				1	35	1	20	200	60						
Pigeon Island.....				2	150	6	70	600	240						
Howe Island.....				1	25	2									
Thousand Islands.....				2	65	3	27	275	91						
Grannis Bay.....				1	35	2	10	100	40						
Total.....				45	1426	69	342	3759	1453						
<i>Cornwall Division.</i>															
				63	540	59				3	33	175			
<i>Muskoka Division.</i>															
Lakes Muskoka, Rosseau, Joseph, Trading, Three Mile, Leonard, Fairy, Peninsula, Vernon, Long, Doe, Walker, Whitefish, Bruce, Maple, and, Sucker, Long and Mountford.....				73	400	150	88	8010	500	27 special permits for ang					

RETURN of the Number and Value of Vessels,

STATION.	VESSELS AND BOATS EMPLOYED FISHING.						NETS, THEIR NUMBER, SIZE,					
	Vessels.			Boats.			Gill Nets.		Seines.		Pound Nets.	
	No.	Tonnage. Value. Men.	No.	Value. Men.	No.	Rods. Value.	No.	Rods. Value.	No.	Rods. Value.		
<i>Lake Simcoe Division.</i>												
Orillia.....		\$	1	25	1	2 700	100					
Hawkestone.....			1	30	2	2 1150	115					
Barrie.....			3	230	4	3 1500	180					
Lakes Simcoe and Couchiching (spearing under special licenses)												
Port Bolter.....			1	30	4			1	10	30		
Thorah Island.....			1	40	2	2 100	30					
Total.....			7	355	13	9 3450	425	1	10	30		
<i>Lake Scugog Division</i>												
Port Perry and Lindsay.....								(536	special permits for any			
Caesarea.....			60	600	559			(559	do	do		
Total.....			60	600	559							
<i>Rice Lake and Trent River Division.</i>												
			100	2000	400			(588	do	do		
<i>Peterboro' and Victoria Counties Division</i>												
			12	225	12							
<i>Charleston and Gananoque Lakes Division</i>												
								(21	special permits for any			
<i>Mississippi River and Lakes Division</i>												
			6	100	7							
<i>Madawaska and Bonnechère Rivers and Lakes in the Counties of Lanark and Renfrew.</i>												
			80	425	160	87 568	377					

Boats, Nets, &c.—Ontario—Continued.

VALUE, &c.				KINDS, QUANTITIES AND PRICES OF FISH.													VALUE.		TOTAL.			
Hoop Nets.		Scoop Nets.		Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, barrels.	Herring, barrels.	Sciacos, barrels.	Maskinongé, barrels.	Bass, barrels.	Pike, barrels.	Pickereel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels.	Fish used for Local Consumption, barrels.	Total No. of barrels of Fish.	Fresh.	Pickled.	Value.		
No.	Value.	No.	Value.																			
.....	200	.....	2	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	38	170	.....	170
.....	2200	.....	15	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	8	35	297	.....	297
.....	2600	.....	25	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	6	46	414	.....	414
.....	800	.....	10	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29	200	.....	200
.....	200	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	5	33	.....	33
.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	5	44	.....	44
.....	6000	.....	57	45	.....	.....	4	.....	.....	.....	.....	.....	.....	22	158	1156	.....	1,158
.....	300	150	.....	.....	.....	.....	.....	50	500	2450	.....	2,450
.....	838	20	.....	.....	.....	.....	.....	40	898	4450	.....	4,450
.....	1138	170	.....	.....	.....	.....	.....	90	1398	6900	.....	6,900
.....	500	800	.....	.....	.....	.....	.....	60	1360	6740	.....	6,740
.....	85	30	.....	.....	184	212	.....	3	.....	.....	.....	80	594	3285	.....	3,285
.....
.....	1600	.....	10	.....	.....	.....	20	110	.....	.....	10	.....	.....	25	183	970	.....	970
.....	27	276	.....	35	.....	151	.....	30	519	2414	.....	2,414
.....	55	.....	71	.....	.....	40	30	120	29	44	153	.....	.....	40	582	3347	.....	3,347

RECAPITULATION

Of the Yield and Value of the Fisheries in the Province of Ontario,
during the Year 1879.

Kinds of Fish.		Quantity	Prices.	Value.
			\$ cts.	\$ cts.
Whitefish,	brls.....	3,070	10 00	30,700 00
do	lbs.....	1,797,000	0 05	89,850 00
do	pieces.....	241,800	0 10	24,180 00
Trout,	brls.....	6,491	10 00	64,910 00
Herrings,	do.....	9,860	4 00	39,440 00
Sciscos,	do.....	650	4 00	2,600 00
Maskinongé,	do.....	2,540	5 00	12,745 00
Bass,	do.....	3,026	5 00	15,130 00
Pike,	do.....	1,286	5 00	6,430 00
Pickrel,	do.....	2,814	5 00	14,070 00
Sturgeon,	do.....	1,458	5 00	7,290 00
Coarse Fish,	do.....	8,166	4 00	32,664 00
Fish used for local consumption,	brls.....	6,781	4 00	27,124 00
Total value of the Fisheries in 1879.....				367,133 00
do do 1878.....				348,122 00
Increase.....				21,011 00

APPENDIX No. 19.

SYNOPSIS OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF ONTARIO, FOR THE YEAR 1879.

LAKE SUPERIOR DIVISION.

JAMES DICKSON, } Overseers.
JOSEPH WILSON, }

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Whitefish, brls.....	1,958	2,275	2,580	2,117	2,043	2,178	832	220
do fresh, lbs.....		7,000			40,700	72,200	159,000	41,800
do do No.....								5,400
Trout, brls.....	1,252	1,500	1,684	995	3,392	4,414½	1,015	943
Pickarel.....	70						575	
Fish used for local consumption.....								320
Total in barrels.....	3,280	3,755	4,264	2,172	5,642½	6,963½	3,217	1,746
Value.....	\$19,384	\$18,035	\$44,664	\$21,720	\$56,425	\$69,635	\$29,295	\$15,540

Overseer Dickson reports the catch of fish in the upper division of Lake Superior as being much smaller than that of last year. This he attributes mainly to fewer hands being engaged in the fisheries. The falling off cannot certainly be attributed to any scarcity of fish, as the fishermen expressed themselves as being well pleased with their catch, and reported the fish as unusually plenty, and of excellent quality. Most fishermen in this district intend putting up ice-houses during the winter, so as to open in Canada and with the United States, a market for fresh fish. Should success crown this enterprise, as it most undoubtedly will, it will do much towards developing this source of wealth on Lake Superior.

Trolling was very good; some parties catching with two lines, in a single day, 600 lbs. of lake trout, the smallest fish weighing six lbs., and the largest, twenty-five. This Overseer also reports excellent speckled trout-fishing in Carp and McKenzie Rivers; several of the trout caught weighing six pounds.

Overseer Wilson reports whitefish and salmon trout plentiful in the waters of his division, but that, owing to continued gales, the catch was small. Some fishermen were unable to take up their nets for twenty-one days, and thousands of fish as well as a quantity of nets were lost.

The number of speckled trout increases every year. This Mr. Wilson attributes to the enforcement of the close season.

Nopigon River was visited by a larger number of sportsmen than usual; seventy-two permits having been issued for angling therein. Anglers seemed well pleased with their sport, and expressed their intention of returning next season.

MANITOULIN ISLAND DIVISION.

G. B. ABBEY, *Overseer.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.		1877.	1878.	1879.
Whitefish.....	brls.	1,368	337	250
do	No.	2,000	3,000	.....
do	lbs.	.....	.....	389,600
Trout.....	brls.	1,633	293	330
Fish used for local consumption.....	"	.....	.....	780
Total in barrels.....		3,021	660	3,308
Value		\$30,210	\$10,700	\$28,400

The large increase shown by the above statement is accounted for by the fact that the catch at Duck's, Cockburn and other islands, south of Manitoulin, has been added to this division. These islands were formerly included in Mr. Wilson's district, but were, last season, attached to Mr Abrey's division for convenience and economy.

Fish are reported to have been fully as numerous as in previous years, and the Overseer states that the catch would have been larger had it not been for the stormy weather experienced, and the low prices offered in the markets.

GEORGIAN BAY DIVISION.

GEO. S. MILLER, *Overseer*, Cape Hurd to Cape Rich.
 JAMES PATTON do Collingwood to Killarney.
 SAMUEL FRAZER do Point Colborne to Moose Point.
 WM. MCGOWN, *Guardian*, Moose Deer Point to Byng Inlet.

Comparative Statement of the yield and value of the Fisheries of this Division.

Kinds of Fish.		1877.	1878.	1879.
Whitefish.....	brls.	2,256	504	551
do fresh	lbs.	149,200	100,000	.....
do	No.	295,800	341,600	157,500
Trout.....	brls.	910½	519	713
Herrings.....	"	289	176	177
Pike.....	"	36	.....	93
Pickrel.....	"	31	58	30
Coarse Fish.....	"	71	.....	22
Fish used for local consumption .....	"	.....	.....	1,123
Total in barrels.....		7,297½	5,173	4,289
Value.....		\$70,769	\$50,560	\$34,318

Overseer Patton merely sent the returns of the catch of fish, within the limits of his division, without any report.

Overseer Frazer states that stormy weather prevented most of the fishermen from working during the greater part of the season, thus causing a decrease in the catch of the finest kinds of fish in his division. Pike and coarse fish were caught in larger quantities than in previous seasons. The catch is stated to have been as follows:—Whitefish, 39 barrels; trout, 18 barrels; herring, 156 barrels; pike, 98 barrels. Several mill-owners, who violated the law respecting sawdust and mill-rubbish, were prosecuted and fined.

Mr. McGown reports fishing as having been good in his division.

Overseer Miller sent in returns of the catch of fish, in his division, without any special report.

LAKE HURON DIVISION.

JAMES MUIR, Overseer, Cape Hurd to Point Clark.
 A. C. MCKINNON do Point Clark to Kettle Point.
 DAVID McMASTER do Kettle Point to Baby's Point.
 HUGH McFAYDEN do Saugeen River.

Comparative Statement of the yield and value of the Fisheries of this Division.

Kinds of Fish.	1877.	1878.	1879.
Whitefish, brls	51	2	.....
do fresh, lbs	118,100	361,600	726,600
do do Nos .....	.....	321,000	.....
Trout, brls	2,594½	1,048	1,920.
Herring do	4,262	2,262	5,169
Bass do	76	64	53
Pike do	2	2	9
Pickarel do	524½	568	528
Sturgeon do .....	.....	.....	240
Coarse Fish, brls .....	.....	105	23
Fish used for local consumption, brls .....	.....	.....	1,870
Total in barrels	13,409	10,069	13,435
Value	\$109,007 50	\$81,480 00	\$87,888 00

Overseer Muir reports the catch as an average one, but states that fewer fishermen were engaged fishing than in former years, owing, in some instances, to unremunerative prices, and in others the want of nets. A freezer was built at Southampton, and will prove advantageous to fishermen, who will thus be sure to find market for their fish without being compelled to have to salt and barrel it.

Overseer McKinnon attributes the decrease in the yield of the fisheries of his division, as compared with that of 1878, to the same causes as above mentioned. He states that the fishery laws and regulations were well observed.

Overseer McMaster reports an increase in the catch of pickarel, herring and sturgeon, and a falling off in whitefish and salmon-trout; but on the whole, a remunerative season for the fishermen. The fishery laws were well observed.

Overseer McFayden states that 80,000 pounds of trout were caught in his division this season, against 40,000 pounds in 1878. The only serious abuse in this division is sawdust and mill-rubbish. Four mill-owners were fined for violations of the law of the law in this respect.

LAKE ST. CLAIR AND THAMES RIVER DIVISION.

PETER McCANN,)
 P. McCARRON,)
 A. BRADY,) *Overseers.*
 T. McQUEEN,)
 C. W. RAYMOND,)
 THOMAS CARTIER, *Guardian.*

Comparative Statement of the yield and value of the Fisheries in this Division -

Kinds of Fish.	1875.	1876.	1877.	1878.	1879.
Whitefish, brls		299	141	235	200
do lbs					
do No					
Trout, brls.....		140	190	135	110
Herring, brls.....		500	445	378	288
Maskinongé, brls.....		1	1½		4
Bass do	39	96	302	233	310
Pike do		4	39	64	113
Pickereel do	1,302	492	642	414	621
Coarse Fish do	704	635	531	655	836
Fish used for local consumption, brls.....					366
Total in barrels.....	2,045	2,167	2,291½	2,114	2,848
Value.....	\$10,225 00	\$12,395 00	\$12,581 50	\$11,767 00	\$14,300 00

The Overseers report fishing as having been good last season. The tables show an increase of 734 barrels over the catch of 1878. This increase is chiefly in the catch of bass, pike and pickereel.

Overseers McCarron, Brady and McQueen state that on the eastern portion of the Thames River, bass and pickereel were more abundant than in any previous year, and that the catch would have been larger had it not been for jams of ice which prevented the fishermen from taking advantage of the great run of fish. Six parties were fined for illegally fishing during the close-time.

On Lake St. Clair fishing is reported as having been excellent; and the Overseers report that the fishery laws and regulations were well observed.

Twenty-four angling permits were issued to fish in Little Lake, Mitchell's Bay

DETROIT RIVER DIVISION.

ED. BOISMIER, *Overseer.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish, No.....	72,275	72,000	45,800	77,700
Herrings brls.....			623	301
Maekinongé do.....		4	10	8
Bass do.....	2	14	15	16
Pike do.....			39	13
Pickarel do.....	4	10	96	143
Sturgeon do.....				460
Coarse Fish do.....	117	217	436	157
Fish used for local consumption, brls.....				177
Total in barrels.....	1,051½	860	1,677	1,932
Value.....	\$8,025 50	\$7,153 00	\$10,239 00	\$13,270 00

The above table shows an increase of 31,900 lbs. of Whitefish over the catch of 1878. This is a most cheering result, in view of the steady falling off which had been experienced during the last ten years. Mr. Boismier has no hesitation in attributing this beneficial result to the fish-breeding operations begun in 1876 at Sandwich, under the supervision of Mr. Samuel Wilmot. The oldest fishermen also say that they never saw so many young Whitefish in the river. In connection with the above facts, it must also be borne in mind that the fish entered Detroit River very late, and that the fishing lasted but a few days. A heavy storm, which prevailed for a whole week, during the height of the fishing season, also greatly interfered with the fishermen's operations.

POINT PELEE DIVISION.

WILLIAM PROSSER, *Guardian.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish, brls.....		161	127	200
do lbs.....		10,500	88,800	62,800
do No.....	13,850			
Herring do.....	1,952	1,038	201	880
Bass do.....	55	97	355	241
Pickarel do.....	37	75½	320	169
Sturgeon do.....				174
Coarse Fish do.....	131½	285	373	44
Fish used for local consumption, lbs.....				100
Total in barrels.....	2,341½	1,710	1,820	2,124
Value.....	\$12,131 00	\$9,332 50	\$11,582 00	\$12,166 00

POINT PELEE ISLAND DIVISION.

JAMES CUMMINS, *Guardian*.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish, brls.....			76	
do lbs.....	1,800	10,400	15,600	70,000
Herring do	201	90	239	200
Maskinongé do				20
Bass do	42	10	84	80
Sturgeon do				75
Coarse Fish do	14	15	87	70
Fish used for local consumption, lbs.				100
Total in barrels.....	266	167	554	895
Value.....	\$1,361 00	\$1,080 00	\$3,463 00	\$5,855 00

LAKE ERIE DIVISION.

JOHN McMICHAEL, Overseer, Lake Erie frontage, Co. Kent.

ALEX. McBRIDE do do Co. Elgin.

C. L. BINGHAM do do Co. Norfolk.

HENRY LAWE do do Co. Haldimand.

Comparative Statement of the yield and value of the Fisheries in this Division:—

	1876.	1877.	1878.	1879.
Whitefish, brls.....	300½		46	29
do lbs.....	7,045	87,000	22,000	22,400
do Nos.	1,600	300	3,200	
Herring, brls.	1,149	1,644	2,646	1,677
Maskinongé, brls.....	1	7	4	9
Bass, brls.	43½	76	131	115
Pike do	28½	44	65	61
Pickarel do	686	839	664	393
Sturgeon do				459
Coarse Fish do	1,019	872½	1,046	1,119
Fisy used for local consumption, brls.....				245
Total in barrels	3,262	3,920½	4,748	4,228
Value	\$17,071 25	\$20,920 00	\$23,634 00	\$18,849 00

Overseer McMichael reports a falling-off in the yield of the fisheries in his district, and attributes it to the fact that the fish did not strike close inshore during the first part of the season, and that stormy weather prevailed through the latter part.

Overseer Bingham also reports a decrease in the yield of the fisheries, and attributes it to the same causes as stated above. This officer calls the attention of the Government to the fact that the trout streams in his district are nearly depleted

owing to indiscriminate fishing in former years. He suggests that all angling be prohibited during the months of May and June, for at least three years. He also states that he visited Dr. Gustus' and Mr. S. Shepherd's ponds, near St. Thomas, and found that the salmon fry placed there two years ago were as active and healthy as any taken from the streams in Lake Ontario.

Overseer Lawe states that owing to the prohibition of pound-net fishing at the mouth of Grand River, there is an apparent falling-off in the yield of the fisheries of his division, as compared with the catch of 1878; but that anglers caught more fish than usual, showing that the latter have not diminished in number. This officer states that the close seasons were well observed; one party only was fined for illegally fishing for pickerel during the close time. Three other parties were fined for fishing without license. It was reported that spearing was carried on in the neighbourhood of the islands in the upper part of Grand River, but the Overseer instituted diligent enquiries and could not discover any violations of the law.

NIAGARA RIVER AND LAKE ONTARIO DIVISIONS.

J. W. KERR,
CHAS. GILCHRIST,
ANDREW HUGHSON, } Overseers.
W. HULL,

COMPARATIVE STATEMENT of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Whitefish, brls.	615	498	482	623	433	9	351	859
do lbs.		93,958	96,500			59,600		100,000
do No.		466			2,000			
Trot, brls.	166	55	99	43	786½	943	1,172	825
Herrings do	512	405	405	268	431½	462½	529	600
Sciscos do	219	288	134	183	304	1,495	770	650
Maskinongé, brls.	8	12	42	77	35	32	500	636
Pike and Bass, brls.	280	488	620	251	271	487½	1,022	1,003
Pickerel, brls.	261	444	723	156	337	216	120	494
Coarse Fish, brls.	653	780	793	236	524½	744½	835	1,175
Fish used for local consumption.								554
Total in barrels ...	2,714	3,436	3,303	1,842	3,132½	4,687½	5,303	7,296
Value.	\$16,601	\$25,899	\$24,783	\$13,542	\$21,286.50	\$28,913	\$33,295	\$44,421

Overseer Kerr reports a large increase in the catch of Whitefish in his division, when compared with that of 1875. He states that these fish were so numerous during the season that, at his suggestion, the fishermen limited their fishing to three days in the week so as to avoid glutting the markets and losing their fish. This remarkable increase Mr. Kerr attributes to artificial culture carried on under the superintendence of the Government. The catch of salmon-trout was not so good as last year, although fine specimens were caught, and the total catch was equal and even superior to that of former years, with the exception of 1878. Sciscos, herring, bass, maskinongé and pike fishing was very remunerative, showing an increase over last year's catch. The number of breeding salmon reported in the streams of this division is smaller than usual. Quite a number of young salmon were accidentally caught in nets or seines during the summer and liberated alive. Eighteen persons were fined for violating the fishery laws and regulations.

PRINCE EDWARD COUNTY AND BAY OF QUINTE DIVISIONS.

CHARLES WILKINS, } Overseers.
 JOS. REDMOND, }

COMPARATIVE STATEMENT of the yield and value of the Fisheries in these Divisions.

Kinds of Fish.	1875.	1876.	1877.	1878.	1879.
Whitefish..... brls.	2,668	1,162	361	1,435	355
do lbs.		114,825	296,600	411,400	368,200
do No.		22,327	2,950		
Trout brls.	430	853	737½	587	1,226
Herrings..... "	1,945	2,608	1,980	643	431
Sciscos..... "	8				
Maskinonge..... "	58		10		5
Bass..... "	24	10	116	20	77
Pike..... "	30	35	73	9	94
Pickrel..... "	77	31	248	51	118
Sturgeon..... "					3
Coarse Fish..... "	232	1,999	1,093	2,654	3,499
Fish used for local consumption "					682
Total in barrels	5,474	7,301½	6,131	7,456	8,331
Value.....	\$13,293	\$49,539 95	\$42,617	\$55,021	\$54,153

To promote greater uniformity and efficiency in the service it was deemed advisable, during the past season, to unite the several fishery districts of Prince Edward County into one, under charge of a single officer, instead of six as formerly, and Mr. Redmond was accordingly appointed Overseer for the whole County. The new officer reports an increase in the catch of salmon-trout of 639 barrels, as compared with that of 1878. The yield of Whitefish was smaller than in the previous seasons. This the Overseer attributes to accidental changes of ground in the migrations of these fish.

Overseer Wilkins states that the yield of fish, in the Bay of Quinté, is somewhat smaller than last year, and attributes this decrease to the boisterous weather which prevailed during the season, and on no account to a deficiency in the number of fish, for although the fishermen had only about twelve days of fair fishing, in his district, the quantity caught is very nearly equal to that of last year. This officer also reports that young salmon were seen in large numbers in the Trent and Moira Rivers, and in Hoc's Lake.

LENNOX AND ADDINGTON COUNTIES DIVISION.

A. D. SILLS, }
ALFRED KNIGHT, } *Overseers.*

COMPARATIVE STATEMENT of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1875.	1876.	1877.	1878.	1879.
Whitefish, brls.....	46	18		5	202
do lbs.....			7,800	400	4,800
do No.....		6,500			300
Trout, brls.....	8	54	13	3	
Herrings, brls.....	4	48	10		
Sciscos, brls.....		12			
Maskinonge, brls.....	10	20			
Bass do.....	8	14	50	21	
Pike do.....	52	51	63	44	7
Pickarel do.....	92	89	97	52	53
Coarse Fish do.....	124	146	69	65	45
Fish used for local consumption, brls.....					33
Total in barrels.....	344	497½	341	191	367
Value.....	\$1,994	\$3,124	\$1,896	\$935	\$2,902

For greater convenience and efficiency, this District was divided last season; Mr. Knight taking charge of the County of Addington, and Mr. Sills being placed over the waters in Lennox.

Mr. Knight has sent no report.

Mr. Sills states that the falling-off in the yield of the fisheries of his district was caused by boisterous weather, which generally prevailed during the fishing season, and which prevented fishermen from carrying on their industry as vigorously as usual.

KINGSTON DIVISION—WOLFE AND AMHERST ISLANDS.

P. KIEL, }
R. BELL, } *Overseers.*

COMPARATIVE STATEMENT of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Whitefish, brls.....	310	151	302	694	256	311	33	149
do lbs.....		1,500						
do No.....		3,950						
Trout, brls.....	554	418	272	325	217	310	51	141
Herring, brls.....	12	12		12			14	
Pike and Bass, brls.....	77	182	591	317	46	133	18	222
Pickarel do.....	27	56	110	172	46	142	10	190
Sturgeon do.....								3
Coarse Fish do.....	166	217	639	647	564	539	355	442
Fish used for local consumption, brls.....								74
Total.....	1,146	1,036	1,914	2,167	1,129	1,435	481	1,221
Value.....	\$8,310	\$8,945	\$11,100	\$15,942	\$7,446	\$9,741	\$2,470	\$7,039

Overseer Kiel states that fish of all kinds were plentiful on the fishing grounds of his division during the past season, but that, owing to the dullness of trade and low prices on the markets, the fishermen did not prosecute their industry with as much energy as in previous years. The yield, although showing an increase of 780 barrels over 1878, is still below the figures of former years. Fishery laws and regulations were formerly looked upon as oppressive and unjust restrictions, but the people of this district, after several years' experience, now understand that these laws are framed for their advantage and that of the public, and they do all in their power to enforce the close seasons and other fishery regulations. Twenty-three licenses were issued last season, through Mr. Kiel.

Overseer Bell, who was appointed last spring to replace Mr. John McGregor, reports fishing in the Rideau Lakes as fair, and that the fishery laws were generally well observed.

PRESCOTT, CORNWALL AND GANANOQUE DIVISIONS.

JOHN MOONEY,
JOHN D. McMILLAN, } Overseers.
T. MCGARRITY,

The officers of this division agree in reporting the several kinds of fish as being on the increase, owing to the protective measures adopted and enforced for the past few years.

MUSKOKA DIVISION.

W. E. FOOT, *Overseer.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish..... brls.	8	4	10	.....
do..... lbs.	.....	.....	.....	3,200
Trout..... brls.	6	15	15	60
Herrings..... do	18	17	21	72
Bass..... do	.....	3 $\frac{1}{2}$	6	8
Pickrel..... do	2	3 $\frac{1}{2}$	10	5
Fish used for home consumption..... do	.....	.....	.....	20
Total barrels.....	34	43	62	181
Value.....	\$240	\$310	\$435	\$1,193

The above comparative statement shows a marked increase in the yield of the fisheries of this division. The Overseer says that he has every reason to be satisfied with the state of affairs, no violations of the law having come to his notice. Saw-mills are increasing in number (but the owners comply with the law respecting sawdust and mill-rubbish. Mr. Foot issued, during the past season, 27 angling permits and 73 gill-net licenses; the latter were for the privilege of fishing for commerce, and the others for home consumption.

LAKE SIMCOE DIVISION.

A. McKENZIE, }
 Wm. HASTINGS, } *Overseers.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Whitefish..... brls.	60		116	124	5	268		
do No.		4,940			19,250		7,700	6,000
Trout..... brls.	46		308	347		619	199	57
do Fresh..... No.		2,930			17,875			
Herrings..... brls.	7		30	20	30	40	25	45
Bass and Pike..... do		75			60	1	70	4
Fish used for local consumption..... brls.								22
Total in barrels	113	203	454	491	543	933	373	158
Value.....	\$1,010	\$1,677	\$4,390	\$4,836	\$5,830	\$9,100	\$3,245	\$1,158

The fishery laws appear to have been well observed in this division. Residents and fishermen seem to be well satisfied with the protective measures adopted by the Department.

LAKE SCUGOG DIVISION.

A. J. HARRINGTON, }
 JOHN McALLISTER, } *Overseers.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Maskinongé, brls	47½	120	550	1,138
Bass, brls	3	2	61	171
Fish used for local consumption, brls.....				90
Total in barrels	50½	122	611	1,399
Value.....	\$252 50	\$610 00	\$3,055 00	\$6,900 00

The catch of fish in this division was very good, showing an increase of over 700 barrels over the yield of 1878. Four persons were fined for spearing. No other infraction of the fishery laws were reported.

RICE LAKE DIVISION,

CHARLES GILCHRIST, *Overseer.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Maskinongé, brls.....	500	500	400	500
Bass, brls.....	300	400	690	800
Total in barrels.....	800	900	1,000	1,300
Value.....	\$4,000 00	\$4,500 00	\$5,000 00	\$6,740 00

Six hundred and fifty-five special permits for angling on Rice Lake were issued free to citizens of the Dominions; and permits for the same privilege, to the value of \$84, were issued to foreigners.

PETERBOROUGH AND VICTORIA DIVISIONS.

GEORGE COCHRANE, }
R. GRAHAM, } *Overseers.*

Statement of the yield and value of the Fisheries in these Divisions for the years 1877, 1878 and 1879.

Kinds of Fish.	1877.	1878.	1879.
Trout, brls.....	50	60	85
Herrings, brls.....	5	5	30
Maskinongé, brls.....	75	289	184
Bass do.....	80	188	212
Pickarel do.....		12	3
Coarse Fish do.....	30	50	80
Total in barrels.....	240	604	594
Value.....	\$1,420 00	\$3,270 00	\$3,285 00

The above statement shows that the yield of fish in this division, for the past season was about the same as in 1878. The fishery laws were generally well observed, with the exception of the law relative to sawdust and mill-rubbish. Mr. Cochrane had to prosecute and fine six mill-owners for offences against that statute.

CHARLESTON AND GANANOQUE LAKES DIVISION.

W. H. JOHNSTON, }
 JAMES GREEN, } *Overseers.*
 WM. HICKS, }

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish, brls.....	2	3	7	8
Trout do	15	9	12	10
Sciscos do			21	
Bass do	63	46	47	20
Pike do	68	50	28	110
Pickereel do			11	
Coarse Fish, brls	203½	17	13	35
Total barrels.....	352½	125	139	183
Value	\$1,646 50	\$670 50	\$777	\$970

Twenty-one angling permits were issued by Mr. Johnston to angle on Charleston Lake.

LANSDOWNE, ROCKPORT AND BROCKVILLE DIVISION.

JOHN WALLACE, }
 HENRY HUNT, } *Guardians.*
 WM. POOL, }

The officers of this division state that as angling is the only kind of fishing allowed, there is no means of ascertaining whether the catch was larger or smaller than last year, but that from all reports they have reason to believe that there was an increase. Mr. Wallace reports that he had trouble watching poachers and preventing illegal fishing during the close season.

MISSISSIPPI RIVER AND LAKE DIVISION.

JOHN MCFADDEN, }
 EPHRAIM DEACON, } *Overseers.*

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Bass, brls.....	12	18	25	27
Pike, do	150	270	360	276
Pickereel, brls.....	25	25	28	35
Coarse Fish, brls.....	30	70	128	181
Total barrels.....	217	383	541	519
Value.....	\$1,055	\$1,845	\$2,577	\$2,414

The officers of this division report no violation of the fishery laws.

COUNTY OF RENFREW DIVISION.

Overseers, {	ANDREW TELFER,	Lower portion Bonnechère and Madawaska Rivers.
	M. L. RUSSELL,	Upper waters Bonnechère River.
	JOHN MORROW,	Middle portion Madawaska River.
	J. R. McDONALD,	Upper waters Madawaska River.
	THOS. MCKIBBON,	Mink Lake and Lake Doré.
	GEORGE DOUGLAS,	Muskrat Lake and Snake River.
	ARCHD. ACHESON,	Lower Allumettes and Coulonge Lakes.
JOHN GRANT,	Ottawa River from Upper Allumettes Lake to Des Joachims.	

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.
Whitefish..... brls.	30	50	68	55
Trout..... do	90	87	83	71
Sciacos..... do	.....	10	30	40
Maskinonge..... do	35	27	48	30
Bass..... do	40	66	73	120
Pike..... do	75	30	111	29
Pickereel..... do	55	63	102	44
Coarse Fish..... do	120	103	228	153
Fish used for local consumption..... do	.....	.....	.....	40
Total barrels.....	445	436	743	582
Value.....	\$2,705	\$2,762	\$4,242	\$3,347

It was found necessary to appoint new officers in order to protect the waters of this division against poachers; as illegal fishing was carried on there almost continually, and could not be detected or prevented by the officers, owing to the large extent of their districts. The officers now in charge of this division appear to have attended to their duties in a satisfactory manner. No complaints of violations of the law came to the notice of this Department, and poaching, which formerly prevailed to a large extent in the inland waters of the County of Renfrew, seems to have been effectually checked.

PART 2

TO THE

REPORT OF THE COMMISSIONER OF FISHERIES

REPORT

ON

FISH-BREEDING

IN THE

DOMINION OF CANADA

FOR THE YEAR

1879.

Printed by Order of Parliament.



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FISH-BREEDING.

REPORT OF SAMUEL WILMOT, ESQ., ON THE SEVERAL FISH-BREEDING ESTABLISHMENTS AND FISH CULTURE IN CANADA, DURING THE SEASON OF 1879.

NEWCASTLE, ONT., December 31st, 1879.

The Honorable J. C. POPE,
Minister of Marine and Fisheries, &c.,
Ottawa.

SIR,—I herewith beg to forward to you a report of matters relating to the operations in artificial fish-culture in the Dominion of Canada, during the past year.

The business in connection with the artificial propagation of salmon and other kinds of fishes, has resulted very satisfactorily since the date of my last annual report to your Department; and the success attending the rearing and distribution of the many millions of young fry hatched from the ova laid down in the autumn of 1878, has been very gratifying.

It will be needless for me at this time to enter into minute particulars regarding the industry of fish-culture, so far as they relate to the details of the subject, as I have formerly done; nor will it be necessary for me to enlarge upon the benefits to be derived from a full development of this acknowledged wealth-producing science to the country. Sufficient has already been said and written by me on this score in my former reports; and eminent men in the United States and in the Old World, by their practical and scientific application to this question, have brought conviction to the minds of the people, as to the adaptability of fish-culture when extensively carried on, for giving increased supplies of wholesome food to the people, and for adding largely to the commercial wealth of a country.

THE WORK OF 1879.

The particulars I am now enabled to lay before your Department which have transpired since the date of my last annual report, will shew the extent of the operations in fish-culture for the last year, which, I trust, will prove satisfactory, as the numbers of fry distributed and the quantity of eggs laid down during that period will fully demonstrate.

The young fry planted in the waters of Canada last spring, through the means of artificial propagation, numbered *twenty-one millions six hundred and eighty-four thousand seven hundred* (21,684,700), and the eggs laid down last autumn, by the same process, amounted to *twenty-eight millions and seventy-nine thousand* (28,079,000), thus shewing the successful manipulation at the several Government fish-breeding establishments in the Dominion, under my superintendency, of a grand total of *forty-nine millions seven hundred and sixty-three thousand* (49,763,000) young fish, and fish-eggs of the salmon family, during the year of 1879.

The particular denomination or class of fishes to which the above-mentioned fry belonged, is as follows: *twelve millions* were the whitefish ("corregonus albus,") and the balance, salmon ("salmo salar" and "salmo amethystus") and of the eggs, *eighteen millions* were whitefish eggs, and upwards of nine and a-half millions were salmon ova.

Statements will be given in detail further on in this Report of the distribution of the above-mentioned fry, and the particulars of the laying down of the eggs in each of the hatcheries; tabulated forms in relation to them will also be given for more ready comprehension, a *resume* of transactions during the year at each of the establishments will be submitted; and the reports of the officers in charge of the several fish-nurseries will be found annexed.

PROGRESS SINCE COMMENCEMENT.

It may not be uninteresting as well as instructive to make mention here of the rapid growth which has attended the work of artificial fishculture since its commencement in this country.

Its origin was a private enterprise commenced by the writer as an amateur for experiment and amusement in his private residence at Newcastle, in Ontario; from this little beginning there has sprung up in Canada alone, since 1873, *nine* extensive Government fish-breeding establishments; from the practical work performed and the success that has marked the progress in these fish-nurseries up to the present time, they will compare most favorably with all other institutions of the kind either in the New or Old World.

In these hatcheries (two of which were built last season and only partially supplied with ova, the others being erected in 1873, 1874 and 1875), upwards of *one hundred and twenty-two and a-half millions* of vitalized fish eggs of the salmon family have been laid; and from *seven* only of these nurseries, up to and including the crop of 1878, upwards of *seventy-five and a-half millions* of young fry of the same species have been hatched out and successfully planted in the waters of the Dominion.

EXTENSION OF FISH-CULTURE IN CANADA.

Whilst the propagation of fish by the artificial methods has been largely adopted in other countries, its practical development in Canada holds no secondary position; the Government of the country having thus far liberally patronized this industry; its benefits are being extended very widely, more especially in the Maritime Provinces, where in addition to the establishments previously set in operation, two more hatcheries have been erected during the past season, both of which are at the present time practically working.

It was also confidently expected that over and above these just alluded to, *two* others would have been built, but circumstances arose which prevented the possibility of erecting these during the past season. It is, however, reasonably expected that they will be built during the coming summer.

The two new nurseries referred to were built in the Provinces of New Brunswick and Prince Edward Island, the former on the St. John River and the latter on the Dunk River.

The contemplated ones, were to have been erected in the Provinces of Quebec and (in Cape Breton) in Nova Scotia. It is unnecessary to mention here the various causes which might be assigned for the non-erection of these projected buildings.

DIFFICULTY IN SELECTING PROPER SITES.

It is not to be reasonably expected that more than two establishments or three at most, could well be built and put in practical operation in one season on account of the very limited time that can be made use of for carrying out the work, which must necessarily be confined to portions of only three or four of the summer months, for it must be understood by those unacquainted with the practical knowledge of the requisities of an undertaking of the kind, that the selection of a proper site for the establishment is the most essential one for its future success, and that the erection of the building itself may be taken to be the secondary or less important part of the enterprise, from the fact that the latter is merely the carrying out of plans and

mechanical work, which have now become quite systematized from the experience already gained in the construction of the other hatcheries at present working in the Dominion.

In the selection of an eligible site, as previously stated, mainly depends the successful future of a fish-hatching institution. The stream upon which the establishment is to be built should be at or near a point where parent fish could be easily and cheaply secured. Its purity, volume and temperature of water ought to be practically weighed and duly considered from various stand-points. Its head and fall must be closely calculated with the view to obtain sufficient elevation for giving at all seasons of the year an ample supply of water for feeding the hatching-troughs and other apparatus within the building.

Another important matter to be considered is the convenience that may be had for the construction of a dam to form a pond of sufficient area and depth, in which a stock of parent or breeding fish can be safely and permanently kept until they become mature for manipulating purposes.

The facilities for shipment of eggs and young fry to and from the nursery, by means of land or water conveyance, is a most important item in the selection of a site for the economical working of a fish-hatchery.

These requisites cannot at all times be readily found, especially as establishments of this kind necessarily require to be located as far up the river into the interior of the country as may be deemed most suitable, where, in a great many instances, it is found that the facilities for transport referred to are difficult to be had, so that in securing one or more of these desirable objects the other requisites may be wholly lost, and hence the necessity of thoroughly inspecting every eligible point in the section of the country where it is contemplated to build, with a view of combining as many of these qualities for the establishment as it is possible to get together in one site.

TIME FOR SELECTING SITES.

Practically and for the purposes of safety in connection with the working of a fish-hatchery, the site for its location should be examined and chosen during the mid-summer months, when the streams are at their lowest pitch of water, for it is frequently found that many of them during the spring and autumn months which carry large supplies of water down their beds at this time are, comparatively speaking, almost dried up in mid-summer and in mid-winter, and as the latter period is the one in which the hatching process is carried on, it will at once be seen that it is great wisdom to select the stream upon which to erect the work during its lowest stage of water, and when it can be examined, namely, in mid-summer.

This fact itself gives indisputable evidence how very short the period is in which the selection of a site and the erection of a fish-hatchery, with all its appendages, can be performed, especially when it is to be completed within the limit of one short season.

NEW HATCHERIES.

With the view of informing your Department of the operations in connection with the construction of the new hatcheries ordered to be built, I desire to mention that a large proportion of the time during last summer was actively engaged in the selection of four sites for fish-breeding works in the Provinces of New Brunswick, Prince Edward Island, (Cape Breton) in Nova Scotia, and Quebec.

In the first two mentioned Provinces, the buildings with all the requisites for their necessary working, were fully completed and put in practical operation in October and November last. The proposed erection of hatcheries in the other two sections of the country was necessarily laid over for the work of the years 1880.

PRINCE EDWARD ISLAND HATCHERY.

The hatchery in Prince Edward Island, is located upon the Dunk River, at a point just at the head of its tidal waters, where a very desirable site was found for

the easy erection of a dam, and where an unlimited supply of water could always be relied upon, for the internal workings of the nursery.

In addition, this point gave great opportunities for economising labor and expense in obtaining a supply of parent salmon, and in the building of the dam it was so arranged that the fish in their migration up the river would be led into a safe reception house, or large tank immediately alongside the hatchery, though which any quantity of water could be run from the pond above.

The location is in the immediate neighbourhood of a rich and populous portion of the Island, nine miles by turnpike road from the town of Summerside, and four and a-half miles from the nearest station of the Island Railway. It can also be reached within a few rods during high tides from the sea, by small tugs, or other water-crafts, so that facilities are afforded for access to the building, and for transporting ova and fry to and from it cheaply and expeditiously to all parts of the Island.

Contracts were entered into for the building of the dam and for the erection of the necessary buildings, for a first-class salmon hatchery. The details in connection with the letting of the work, together with plans, specifications and all other matters relating to it, were forwarded to your Department at the time, and therefore unnecessary to recapitulate here, other than to mention that the dam is strongly and suitably built, having withstood the freshets of last autumn, and is now in first-class order.

The reception-house proved suitable for its requirements, and the hatching-house itself is both sightly and commodious, and possesses all the latest and most approved apparatus and other appliances, now used for the systematic and economic propagation of fish by artificial means. The contract price for the dam and building was twenty-four hundred and seventy-five dollars (\$2,475). See report August 26th, 1879.

ST. JOHN RIVER HATCHERY.

Selection of a Site.

Much difficulty was experienced in selecting the site for the fish-breeding establishment on this river. Commencing at Grand Falls, every river and stream entering either bank of the St. John as low down as Andover, received a close and personal inspection.

In this work I was very materially assisted by the kind and voluntary services of G. H. Connell, Esq., M.P., who was unceasing in his efforts, and unbiassed in his views in giving me the benefit of his practical knowledge of the various points that might possess advantages for a desirable location.

I very much regretted the absence from the Province, at the time, of Mr. Costigan, the Member for Victoria County, who, along with Mr. Connell, had exerted his influence to get an institution of this kind erected on the St. John River. Mr. Costigan's interests (though absent) were nevertheless impartially cared for by Mr. Connell.

As an evidence of the necessity of extreme caution being exercised in the selection of a reliable site for a fish-hatchery, I may here mention that streams to all appearances well supplied with water, and on the eve of being chosen, were, from the precaution taken by waiting for their subsidence, re-examined a short time after and found almost dried up; yet representations were made from generally supposed reliable sources, that these streams were *never* less in flow of water than when first examined.

The site selected at last was a most admirable one, for all the the purposes of a fish hatchery, save one, that of not having such facilities near at hand at the present time, for catching parent salmon as would have been desired. This was less objectionable than other wants to be overcome at other points, for with proper guardianship of the St. John River, hopes are confidently anticipated of getting supplies of salmon here, in the future.

The site of the "Rapid Des Femmes" stream, emptying into the St. John River, about three miles below the Grand Falls was chosen. It has many conveniences; the stream is large, the water is pure, limped, and highly aerated, from being precipitated some fifty feet over a ledge of rocks, creating a beautiful cataract, and forming a superior water-power. The line of the New Brunswick Railway runs through the property only a few yards from the hatchery, where also a station of the road is located, and the St. John River itself is but a few hundred feet from the works.

More than ordinary facilities are immediately at hand for the transportation of eggs and young fry throughout the entire length of the St. John River, either by water or railway conveniences.

A strong, permanent dam has been built across the stream, and forms a large pond just in front, and within a few yards of the hatchery. The surface of the pond is large, with a depth of water ranging from five to fifteen feet, with sufficient room to accommodate one thousand parent salmon, if it is found possible to procure that number there.

The young fry, when hatched, can be run out by a conductor pipe from the nursery into the stream, or carried in pails to the river, where, in either case, they have the whole length of the great St. John River from Grand Falls down to the sea (some two hundred and fifty miles in extent), to thrive and grow till their nature drives them to the great expanse of the ocean to become adult fish, when, if not too numerously destroyed by the avarice of the St. John's city authorities and tidal fishermen, sufficient numbers would yet reach the upper waters of this magnificent river to give food and riches to its inhabitants, and to reproduce their species in great numbers for all time to come, if fairly and honestly guarded and protected from the torch, spear and net of the ruthless slayers and poachers who now "run riot" in their wanton destruction of this great source of wealth, and who are winked at in the very act by many of the officers of the law.

Construction of the Works.

The plan adopted for the building of this establishment was by letting it by tenders. For this purpose plans and specifications were drawn up. The several builders and mechanics living at Grand Falls, Andover and Woodstock were personally called upon and duly informed of the desire to get tenders put in for the work. The plans and specifications were shown to each, when seven written offers were received, four from the County of Victoria and three from the County of Carleton.

The tenders for the building ranged between sixteen hundred dollars and twenty-one hundred dollars. T. R. Cameron, of Andover, in the County of Victoria, being the lowest bidder, and having given good sureties for performing the work, was awarded the contract.

In addition to the price of the building, five hundred dollars was given for the building of the dam, making a total of twenty-one hundred dollars for the whole establishment.

The job was fully completed in due time, and gave general satisfaction. The works were at once put in running order by myself, and the hatchery was afterwards partially supplied with salmon ova, and the institution was put in charge of Mr. Barber, an officer of your department from the Government Fish-breeding Institution at Newcastle, who had previously obtained practical knowledge and skill in fish-culture-qualities which are indispensable requisites for success in carrying out the delicate and precarious work connected with the proper management of an artificial fish-breeding establishment.

A sketch of the hatchery and grounds are hereto attached.

SUMMARY OF TRANSACTIONS AT THE SEVERAL FISH-HATCHERIES
IN THE DOMINION, DURING THE YEAR 1879.

PROVINCE OF QUEBEC.

TADOUSSAC FISH-BREEDING ESTABLISHMENT.

On account of pressing duties elsewhere in selecting sites and erecting new buildings, the Tadoussac Nursery was not inspected by me last summer.

From correspondence received from Mr. Radford, the officer in charge, and from reports sent in by him to your Department, the following state of affairs is shown, namely:—

The building, ponds, apparatus^s, and all other appliances are in good practical working order.

From the increased supplies of salmon eggs obtained at this place, it is necessary that some improvements should be made to it, by enlarging the interior portion of the building (as there are capabilities for doing so) by which an additional number of hatching-troughs may be laid down. By this means space for three millions of eggs could be secured. The expense incurred in carrying out this desirable improvement would be very trifling, indeed, compared with the benefits that would result from it to the extensive fisheries of the Saguenay.

Upwards of a million of young salmon were hatched out here during last spring and planted in the following rivers, namely:—A'Mars, Jacques Cartier, Little Bic, Petites Isles, St. Margaret, N.W.; St. Margaret, N.E.; St. Anne, Petit Saguenay, L'Anse St. Jean, Tadoussac, L'Anse à l'Eau Bark, L'Anse à David, L'Anse à Cheval and in the fresh water Pond.

Two hundred and fifty parent salmon were captured here in the early part of the season and placed in the reception-pond, where they were safely kept until ripe for spawning. At this time five of these fish escaped, and by the overflow of one of the ponds ten were washed upon the rocks and died. The remaining two hundred and thirty-five were manipulated, yielding *one million eight hundred and ten thousand eggs*; one million five hundred thousand of these were deposited in the hatchery, and the balance planted in the A'Mars and St. Margaret Rivers. Nearly all the eggs in the hatchery are reported as showing signs of life.

The total number of salmon fry distributed from the	
Tadoussac Nursery, during the spring of 1879, was	1,210,000
Total number of salmon eggs laid down.....	1,500,000
Grand total of fry turned out since opening of hatchery	3,347,000

GASPÉ FISH-BREEDING ESTABLISHMENT.

Here the works gave evidence of very good success. The establishment is reported to be in a good state of repair, likewise the various kinds of machinery in connection with it.

The reception-pond up the Dartmouth River, since its enlargement, has answered every purpose, being sufficient for the accommodation and safe-keeping of parent salmon from May till October. Out of one hundred and twelve placed in it not one died. Sixteen salmon were put in the pond at the hatchery; four of these died, leaving the total number for spawning purposes, one hundred and twenty-four; of these ninety-one were females, from which were collected eight hundred and fifty thousand (850,000) eggs.

Fewer breeding-fish were secured last season than formerly, on account of extreme wet weather in June and July, with an apparently less run of salmon up the river.

One million five hundred and ninety-seven thousand (1,597,000) salmon fry were reared in this hatchery during the spring of 1879, and turned into the following rivers of the Gaspé District, namely:—Dartmouth, York, St. John, Mal Bay, Grand River, North Pabos and West Pabos.

These young fry were transported with unusual safety by the use of an improved description of can with perforated beds, which I instructed Mr. Vibert to procure.

The total number of salmon fry distributed from this nursery in the spring of 1879 was.....	1,597,000
Total number of ova laid down, fall 1879.....	850,000
Total number of fry turned out since erection of hatchery	3,558,000

RESTIGOUCHE FISH-BREEDING ESTABLISHMENT.

In visiting this hatchery the building was found to be in a very dilapidated state, and I feel called upon here to draw the attention of your Department to the great necessity that exists for carrying on the work of artificial salmon-breeding at the Restigouche River, on a much better and more extensive scale than hitherto, in order that the numbers of young fry that might be so easily hatched out in this way could be made somewhat commensurate with the great natural facilities this large river possesses for their after development; and thereby also giving increased revenues to the very extensive tidal fisheries at its estuary and in the Bay des Chaleur.

Doubts are entertained by the officer in charge as to the safe occupancy of the present structure for another year. The rude and cheap construction of this primary establishment for that section of the country, originating as it did largely as a trial work, has done unusually good service, and the log building has succumbed to its projected usefulness counted upon at the time of its erection in 1872.

An expenditure of a few thousand dollars during next season, would erect a first-class establishment on the Restigouche, with a capacity of turning out annually from three to five millions of young salmon. As some expenditure has already been made for this contemplated hatchery, it would be great wisdom for your Department to complete the arrangements as speedily as possible in order to enhance the commercial transactions in the salmon fisheries of the Restigouche, especially as the celebrity of these fish has now become so famous, not only in this country, but also in the United States and in England.

Mr. Mowat, the officer in charge of this nursery, reports the distribution of one million four hundred and seventy thousand salmon fry in the rivers of the main Restigouche and its feeders; and also in other rivers emptying into the Bay des Chaleur. The rivers are here given, namely:—Big Cascapediac, Little Cascapediac, Bonaventure, Upsalquitch, Little River, Matepediac and Main Restigouche.

The gross number of breeding-salmon netted for the use of this hatchery was two hundred and seventy, one hundred and sixty-five females, the balance males; one hundred and fifty of these were captured late in the season in the upper waters of the Restigouche and Kedgwick Rivers, and the others were caught near the hatchery at Dee Side.

One and a-half million of eggs were obtained from these fish and laid down in the hatching-troughs, filling all available space in the nursery, almost to over-repletion. At last date the ova were reported to be in very fine condition, with the embryos quite visible.

Mr. Mowat's report relating to the unsuitable state of the building and other matters of importance, will be found annexed.

Total number of fry turned out from Restigouche Hatchery during the spring of 1879, was.....	1,470,000
Total number of eggs laid down, fall 1879.....	1,500,000
Grand total of fry distributed since erection of hatchery	4,085,000

PROVINCE OF NEW BRUNSWICK.

MIRAMICHI FISH-BREEDING ESTABLISHMENT.

This hatchery was visited in the latter part of the month of July. The general arrangements were satisfactory. The dam, raceway and buildings were in good repair, and the internal apparatus cleanly and well cared for.

Orders were given to Mr. Sheasgreen, the officer in charge, to cut out and clear away some dead trees and other obstructions in the body of the pond, the appearance of which was not only unsightly but formed a lodgment for filth.

To prevent the loss of parent fish in the future during excessive high tides, which prevail on the Miramichi River at times, it will be necessary to raise the embankment of the main dam some few feet higher. The officer reports the extraordinary high tides of last autumn having risen two feet above the dam, causing the escape of a number of the parent salmon from the pond. It is important that this work should be performed during the early summer months.

There were turned out from the Miramichi Hatchery last spring *one million and twenty-five thousand young salmon*; they were safely conveyed to the following rivers:—North-West Miramichi, South-West Miramichi, Little South-West River, Napan River, Black River, Shediac, Tabusintac, Sevogle, Renous and the Hatching House Brook.

The number of spawning fish caught last September and October and put into the pond, was three hundred and ninety-nine; a portion of these, as previously stated, escaped with the unprecedented high tide, in October last. The balance gave eight hundred and fifty thousand eggs. An additional supply of one hundred and sixty thousand ova was obtained from fish caught in the South-West River. In all *a million and ten thousand* impregnated eggs were laid on the hatching trays. These, from accounts just received, are in a healthy condition and shew the young fish within them.

The total number of young fry turned out in the spring of 1879, was.....	1,025,000
Total number of ova laid down in fall of 1879.....	1,010,000
Grand total of fry distributed since erection of hatchery.	2,280,000

ST. JOHN RIVER FISH-BREEDING ESTABLISHMENT.

As mentioned in the early part of this Report, this hatchery was built during the summer of 1879, and as no ready means were at hand by which a stock of eggs could be secured for it in the St. John River, a small lot was got from the River Phillip in Nova Scotia, where it was represented a supply might be easily obtained. The number transferred was three hundred and twenty thousand, and although this lot was much less than was counted upon, there will nevertheless be a sufficient number in the hatchery to thoroughly test the working of the establishment with its new apparatus, and to ascertain its adaptability for more extensive operations in the future.

Mr. W. H. Barber, the officer in charge of this nursery, reports everything in connection with it, to be in first-class order and working admirably. He also states the eggs to be healthy, with a good percentage well vitalized.

Total number of eggs laid down in this hatchery, fall of 1879, was 320,000

PROVINCE OF NOVA SCOTIA.

BEDFORD BASIN FISH-BREEDING ESTABLISHMENT.

This hatchery was found to be in good order. No special improvements were required. The hatching-troughs and trays were in preparation for revarnishing and painting, and the breeding-room was being cleansed.

At the time of my visit at Bedford the river was extremely low, consequently no fish could pass up it; a short time previous, during a rise of the water, some thirty or forty salmon had passed up the dam, and were caught in the weir fitted up for that purpose. These fish were kept confined in the small race-way near by, and were held to be the product of the first year's hatching from this nursery.

In corroboration of this opinion it may be stated that quite a number of small-sized salmon were reported by the fishermen to have been taken in the Basin during the season, a circumstance not hitherto known.

The operations at this establishment since its commencement have been very satisfactory in the rearing and distribution of large numbers of salmon fry; while at the same time it has laboured under greater difficulties than the other hatcheries in getting its supplies of eggs, as they have to be gathered at long distances from the site of the institution.

This method of getting supplies of ova must necessarily incur considerable expense, which in part might be lessened by building a pond alongside the Bedford works, just at the head of tide-way, and a number of salmon might be caught in the basin or bay below during the summer season and safely kept in this reservoir. Natural facilities are at hand for doing this work cheaply, and a little expense would easily accomplish this end.

The numbers of breeding-fish captured for the use of this hatchery were considerably less than in the previous year. This is accounted for by the high state of the water, which prevailed at the time of netting them. The total number taken was three hundred and fifty-eight, of which two hundred and twelve were females. These gave *one million nine hundred and fifty thousand ova*, being a trifle over nine thousand eggs from each fish.

Two small lots of these eggs were transferred to the newly-erected hatcheries in Prince Edward Island, and St. John River, N.B., leaving about *a million and a-half* for the Bedford House. A quantity of these met with a heavy loss, some four hundred and fifty thousand proving useless. This, it is alleged, was caused by exposure to extreme cold during transportation. A considerable number of those sent to Prince Edward Island and St. John River suffered in a similar manner.

The latest accounts from Bedford report the balance of nine hundred and forty thousand left on the trays. These are showing the embryos within them quite plainly, and giving evidence of a fruitful crop of fry for the coming season.

The quantity of young fish hatched out at this nursery last season was very large, and their transportation to the several points chosen for their future growth was accomplished with much satisfaction.

One million seven hundred and forty thousand young salmon were distributed from the Bedford establishment, in no less than thirty-five of the most important rivers of Nova Scotia, in the following counties, namely, Halifax, Hants, Kings, Cumberland, Pictou, Colchester and Annapolis.

Total number of salmon fry turned out of this nursery, spring of 1879, was.....	1,740,000
Total number of eggs laid down, fall 1879.....	1,400,000
Grand total of fry turned out since erection of hatchery...	4,535,000

PROVINCE OF PRINCE EDWARD ISLAND.

DUNK RIVER FISH-BREEDING ESTABLISHMENT.

This newly-constructed hatchery received due notice at the opening of this report, consequently the reference now made to it will be brief, and only relate to the numbers of salmon that entered the reception-house and the mode of capturing them, and to the numbers of vitalized eggs that were laid upon the hatching-trays.

The system adopted for catching the parent salmon here is the same as that which is now used and first originated at the Newcastle establishment in Ontario: by having a reception house for the fish to enter just alongside or in connection with the hatchery.

The Dunk River presented facilities for applying this system, and arrangements were made accordingly in the erection of the breeding-house and in the building of the dam across the river, by which an extensive sluice-way or flume was attached to the latter structure, seventy feet in length by twenty feet in width. This is roofed in, and forms to all appearances a long, low shed or house, through which the whole or such portion of the water of the river can be made to run as may be found requisite to entice the salmon on their upward migration to enter it. The bottom of this long race-way or tank is floored over, and the interior is divided into several compartments made of wooden gratings or racks, which are placed in such a manner as to form a series of pens for impounding the salmon after they enter, and also for separating the males from the females for more ready trial and use when manipulating them.

The lower end or outlet of this building is arranged with two long racks, so placed as to form a cone like figure, or letter Δ upside down, leaving the small end just wide enough open to allow a salmon to pass through (upon the same principle as a rat-trap,) where, after their entrance, they become entrapped and cannot escape. Here they are obliged to remain until placed in the several compartments above described, by means of a small dip net.

The fish are confined in these pens until they become perfectly ripe for spawning, when they are operated upon, and immediately afterwards turned into the river below, down which they pass to the sea to recuperate themselves for another year's repetition of this journey, unless netted, or otherwise destroyed by their numerous enemies in the ocean. A plan showing the building, grounds, and appearance of the reception-house is appended. By this arrangement some seventy-five salmon entered the reception-house at the Dunk River hatchery; forty-five of these were females, from which were collected *four hundred and forty-five thousand eggs*. These, upon the report of Mr. Mowat, the officer in charge, are in very good condition, the loss being, so far, very trifling indeed.

In addition to this home supply of eggs, one hundred and fifty thousand were brought from the River Phillip, in Nova Scotia. These, in the transportation, or for lack of proper impregnation, met with a very serious loss, the greater part of them turning bad.

Total number of salmon laid down in the Dunk River hatchery, fall, 1879, 600,000.

PROVINCE OF ONTARIO.

NEWCASTLE FISH-BREEDING ESTABLISHMENT.

The building and the various kinds of hatching apparatus belonging to this establishment are in first-class condition. The dams, sluices and supply ponds are in good repair, and the general arrangements internally and externally attached to the institution present an orderly and systematic appearance.

No expenditure in the way of additions or improvements has been incurred during the past year, beyond the ordinary and necessary requirements for keeping an establishment of this kind in proper working order. Some little expense will require to be made next spring, in putting up a piece of fence in front of the building, the old one being quite unsightly, and giving way.

The improvement referred to in last year's report of renewing the foundation of the reception-house was only temporarily carried out. This will therefore require to be permanently done during the coming season.

New Apparatus.

During the past year there was perfected in this hatchery a new and improved tray for fish-hatching purposes, which I feel assured will, in time, supersede all others now in use at the several hatcheries.

The tray in general use in most of the fish-breeding establishments in the United States and elsewhere, is formed with small wooden frames, with wire cloth or perforated zinc tacked on the lower side, and coated with paraffine varnish. These have been doing very good service, but the "age of improvement" has now brought out this "new tray," which possesses qualities infinitely superior to the "old one" in every sense.

The objectionable points with the ordinary tray has been, that the wooden framework made it so light and buoyant as not to sink it to the bottom of the trough, necessitating its being weighed down with small stones, or heavy substance till it became "water-logged." During this time it was found both troublesome and dangerous to handle the tray filled with eggs without the liability of shifting, and frequently spilling out the eggs.

Another objectionable feature was the amount of space lost in the troughs by the wooden frames, which are usually made of thin quarter-inch stuff. This area even on a single tray used up a considerable amount of egg room, but when applied to the large number of troughs in an extensive hatchery gave subject for much consideration as to economizing space.

Yet another drawback was felt with the "old tray" by the meshes of the wire work getting disarranged, and making openings by which many eggs and young fish would fall through and get lost, also the screening frequently becoming detached from the wooden frames, requiring frequent overhauling to prevent losses; add to this the rough uneven face of the wire meshes, which always, more or less, injured the eggs and the sack of the young fry; and finally, the destructibility of these combined wood and metal trays was quite an item of annual expense in a large hatchery.

The "new tray" overcomes all of these objections, being made wholly of heavy sheet tin, pressed into the exact shape and size required, the bottoms and ends being perforated by machinery at the stamping works.

The appearance of this tray, when finished, is not unlike an ordinary shallow kitchen pie-dish punched full of holes at the bottom and ends, the holes being of such a size as to retain the ova and yet let all sedimentary matter fall through; the end perforations allowing a free circulation of water to pass through amongst the eggs.

These tin trays, after getting a couple of coats of paraffine varnish, become as smooth and equally impervious to rust or other injurious substances from the water, and quite as indestructible as glass itself, but without its objectionable quality of easy breakage.

The size of the tray used here is 10 inches wide by 15 inches in length and three quarters of an inch deep; the perforations are a little over a sixteenth of an inch in size, with 10 holes to the square inch of the tray.

They are admirably adapted for the ova of any of the salmon family of fishes; each tray will easily accommodate a single layer of three thousand salmon eggs, and several tiers may be placed upon each other in the trays. Their cost is less than any other tray yet used in any of the hatcheries. Two thousand of these were manufactured last summer for the use of the newly-constructed nurseries. They are giving unbounded satisfaction, and may deservedly be styled the *ne plus ultra* hatching-tray in fish culture.

Fry Reared and Distributed in 1879.

The number of the several kinds of fry hatched out last season in the Newcastle Nursery amounted to two million six hundred and two thousand seven hundred (2,632,700), as follows:

Salmon	601,000
California Salmon.....	1,700
Salmon-Trout.....	1,130,000
Speckled Trout.....	100,000
Whitefish	800,000
Total.....	2,602,700

Salmon.

The six hundred and one thousand salmon fry were placed in the following lakes, rivers and streams in the Provinces of Ontario and Quebec:

Province of Ontario.

Lakes.	Rivers.	Streams.
Ontario,	Trent,	Wilmot's,
Erie,	Saugeen,	Barber's,
Balsam,	Rouge,	Soner's,
Coutchiching,	Humber,	Duffin's,
Simcoe.	Credit,	Lynd's,
	Hawkstone,	Smith's,
	Moirs.	Grafton.

Some were also sent to the Magog Lakes in Quebec, and several thousand of the eggs were shipped to England.

Salmon-trout.

The fish-breeding operations at Newcastle in Ontario were commenced originally with the view to the artificial propagation of the migratory salmon of Lake Ontario, but the experiments in the rearing of this fish, together with the several kinds of apparatus that were originated in connection with this enterprise having proved to be of the most useful and practical character and being thoroughly systematized, have been since applied to the general working of all the salmon-breeding establishments in the Maritime Provinces.

Whilst large numbers of the Ontario salmon have been turned out from the Newcastle Hatchery into the waters of the Provinces of Ontario and Quebec, it must be understood, however, that greater attention has been given of late years to the rearing more extensively of those kinds of fishes which are held to be the really commercial product of the great lakes of the Province of Ontario, namely: the great lake-trout or salmon-trout, and the highly esteemed whitefish; this fact will be shown by reference to the annual fishery reports to your Department, where the aggregate numbers of impregnated ova of the salmon-trout and whitefish for 1877-78 and 1879 in the two Ontario Hatcheries amounted to *sixty-three millions* and upwards, against only *two millions* of the eggs of the salmon; and in the Newcastle nursery alone the quantities of salmon-trout were nearly three times greater than the salmon.

The losses in hatching the salmon-trout fry were considerably more than with the salmon. This is accounted for by the greater amount of exposure and handling they have to undergo in the act of collecting them, many miles from land, in open boats and in all sorts of weather, and also in their long carriage by railway from Meaford on the Georgian Bay to this hatchery.

A very large number of the fry of these fish were however hatched out last spring and disposed of as follows: A *million* were carried long distances out to places in Lake Ontario, which from the formation of the rocky bottom gave indications of hiding-places and food-producing grounds for the young trout: The balance of the crop, in lots varying from five to ten thousand, were conveyed to the following lakes,

namely: Erie, Balsam, Couthiching, Simcoe, and Kempenfelt, in Ontario; and to lakes, Megantic and Magog, in Quebec. Some of the impregnated ova were also taken by Mr. Begg to England.

Whitefish.

Some eight hundred thousand of the fry of whitefish were sent from this nursery to the following points:—

Lakes: Megantic, Magog, Massawippi, Brompton, Key-pond and St. Charles, in the Province of Quebec. The balance of half a million and more, were distributed in Lake Ontario.

Through the kind assistance of Mr. Brooks, M.P. for Sherbrooke, and other gentlemen connected with the Fish and Game Club of that city, the quota of fry sent to that section of the country was safely planted in the most eligible places for their after growth.

The fry sent to Lake St. Charles, in Quebec, were forwarded through the instrumentality of Mr. Dobell, and the Board of Trade of the City of Quebec, that body having expressed a strong desire to have introduced into the waters adjacent to their city, this highly prized species of the fresh water fishes.

A number of the whitefish fry were retained here and put in a small pond in May last, having an area of only a few feet. Their growth was very rapid, having reached the size of five and six inches when shown amongst others at the exhibit of live fish at Ottawa in September last.

SPECKLED TROUT AND CALIFORNIA SALMON.

The fry of these fish were distributed almost wholly in the waters of Ontario. A large number of the young Californians were kept over in tanks supplied with spring water. These have grown to be good sized, healthy fish, ranging from three to seven inches in length; they appear very hardy and feed voraciously upon almost any description of animal food.

The greater portion of the speckled trout fry were put into the creek and large pond which supplies the hatchery. They were planted here and there, covering a mile or two in the rapid parts of the stream, which is still sheltered by trees and brushwood, and may in this way be said to still retain somewhat of its normal state. The pond at the termination of this rapid part of the creek is large, covering about three acres, varying in depth from two to ten and twelve feet. The temperature of the water in mid summer is very high, reaching sometimes 75 and 80 degrees.

These trout fry were deposited here in order to definitely prove whether it is yet possible to grow the speckled trout in the lower parts of the creeks, and in the ponds in the frontier portions of the townships bordering upon Lake Ontario.

It is, I regret to say, becoming the seriously impressed conviction of myself, and also many thinking persons on this subject, that speckled trout must soon become a luxury of the past in the older and more cleared sections of Ontario; and although brook trout may yet be found in limited numbers in the mill-ponds and creeks, near their head sources in the interior of the country, it is because the purity of the water and its low temperature there is nearer its original or primitive state, and consequently more congenial to the nature of the trout.

But, unfortunately, these natural and essential qualities for the production of trout are soon changed, and become wholly lost after a few miles farther flow of the streams from their sources, through open cleared farms (now found to be almost invariably the case), with the consequent effects upon them, from the hot rays of the sun in summer and other atmospheric influences, together with increased accumulation of sedimentary matter of various kinds. These influences combined, spreading too as the streams pursue their downward course, gather impurities innumerable, which with the now heightened temperature of the water creates the growth of infinitesimal spores of poisonous matter, so that the streams (formerly the natural

habitat of this higher order of fish) have not only become unnatural, but wholly unsuited for the growth or after development of either speckled trout or in fact any other of the species of the salmon family.

The planting of the large number of brook-trout fry in this creek, and the pond connected with it, will, in a short time, thoroughly prove the feasibility of rearing trout with any prospect of success in the sections of the county referred to.

The place and the water selected for this experiment may be taken as a fair average of the numerous creeks in the country that were once largely filled with speckled trout, but in which they have now, from various causes, become wholly exterminated.

OVA LAID DOWN DURING THE SEASON OF 1879.

California Salmon Eggs.

Through the continued courtesy of Professor Baird, United States Fishery Commissioner at Washington, another consignment of these eggs was forwarded from the United States Government Hatchery on the Pacific Coast to this establishment, in October last.

To prevent a repetition of the loss experienced last year in the transportation of these eggs by express, a messenger was despatched to meet them on their arrival at Chicago, and watch their safe carriage to this place.

In 1878 the consignment of half a million of eggs was a total failure. This season the packages containing *ninety thousand* (90,000) reached here in very good order. These with only a moderate loss since have hatched out and are now lively little fish.

Ontario Salmon Ova.

The supply of eggs obtained from these fish last autumn was less than at any time during the past six years, numbering only *three hundred and nine thousand* (309,000). This great deficit in quantity can only be accounted for at present by the fact of the extreme lowness of the water in the stream, which prevented the parent salmon from entering it as in former years.

In 1878 the run of fish in the creek was *remarkably large*, and in 1879 the numbers were *unprecedentedly small*, bearing no fair comparison whatever with runs of fish for several years back.

Urgent duties in connection with the completion of the new hatcheries in Prince Edward Island and New Brunswick called me to these places (and also to Cape Breton) during the spawning season. I was therefore unable to obtain a personal knowledge of this great falling off in the numbers of salmon entering this stream last season.

The employés of the hatchery are quite of the opinion that the extreme lowness of water from the autumn drought prevented the possibility of the salmon entering the creek. This is verified in the fact that numbers were noticed immediately at the mouth or outlet of the stream, and it is also stated that they were seen in the act of spawning on the shallow sandy beach of the lake. This latter occurrence has not hitherto been observed by any persons within my knowledge.

This circumstance of the scarcity of salmon was alike in all the streams where they have been known to enter formerly; a like falling off was experienced in the catch of salmon with nets in Lake Ontario last summer, and judging also from newspaper paragraphs, a similar phenomenon is related of the salmon fisheries last season, both on the Atlantic and Pacific Coasts.

Salmon Trout Ova.

Much difficulty was experienced this year by Mr. Parker, the officer usually despatched to collect these eggs at the Georgian Bay.

The extreme rough windy weather which generally prevailed last autumn retarded his operation very seriously, not only in the collection and impregnation of the eggs, but also in the management of them afterwards.

One million two hundred and sixty four thousand eggs (1,264,000) were, however, collected and forwarded to this hatchery. These were subjected to much danger and exposure in their transportation. A fair percentage, however, are now showing signs of vitality, and a large crop of fry will no doubt be produced from these next spring.

Whitefish and Speckled Trout Eggs.

Small lots of each of these kinds of ova were obtained last fall. The whitefish eggs were got at Sandwich, and the trout eggs were received from the Tadoussac hatchery.

A large number of the former perished in transportation, and the latter arrived in very fair condition. The balance of both lots are now doing very well, the embryos being plainly visible in them.

Total number of fish ova laid down fall of 1879, in Newcasule hatchery.....	2,899,000
Total number of young fry turned out spring 1879.....	2,602,700
Total amount of fry turned out since erection of establishment.....	9,277,700

Ontario Salmon.

Their nature and habits compared with the salmon of the sea, with suggestions for their capture in Lake Ontario. See supplementary remarks hereto appended.

SANDWICH WHITEFISH HATCHERY.

This institution, from its original permanent construction, continues in a good state of repair. No portion of the building other than probably the lower floor (from its constant exposure to wet) will require any outlay for some time to come, and the breeding apparatus, used inside, being principally of a metallic nature, will be found inexpensive to maintain.

The steam engine and rotary pumps have thus far proved to be of an exceptionally good character; very slight expense has yet been incurred to repair them, although the work performed by this machinery has been more than ordinarily severe, running incessantly both night and day from October till May every year.

All the other apparatus in connection with this establishment is in good keeping, and the whole institution gives evidence of order and careful attention.

As previously reported by myself and also by the officer in charge, it is of great importance to the interests of the Detroit River and Lake Erie Fisheries, that the Sandwich Hatchery should be made to perform its utmost capacity of work in the hatching out of whitefish fry.

The engine and apparatus at present in use is capable of working from twenty-five to thirty millions of eggs. This only occupies barely one-half of the area of the breeding room, which, if wholly fitted up, would give ample accomodation for seventy-five or eighty millions. To accomplish this really necessary work, either a more powerful, or an additional engine must be purchased. Three hundred new incubators, with the necessary fittings, will be required, and a conductor pipe of larger capacity must be laid down from the river to the building.

This last mentioned water conductor is a present necessity, whether increased hatching operations are carried on or not, and should be laid down early next summer. The principal outlay would be in furnishing the wooden pipe, as the labor in putting it down would be performed by the officer in charge and his assistant.

Fry turned out in 1879.

Twelve millions of young whitefish were successfully hatched out at the Sandwich Nursery last spring. These were all put into the Detroit River in mid-channel, where they were conveyed in proper vessels, without any loss whatever in transportation.

Ova laid down in 1879.

Satisfactory arrangements were made with Col. Rankin, the proprietor of the Bois Blanc Island Fisheries, by which supplies of eggs from that station might be collected. From the precariousness of all fishing operations the anticipated supply of eggs from that quarter was not obtained, as the numbers of whitefish captured there fell wonderfully short of the previous year's catch upon which the expected supply of eggs was predicated, and still more unfortunately nearly all the ova that were collected there proved worthless.

The real cause of this disaster remains as yet undiscovered, and strange to say it did not only occur with this batch of eggs, but it was similarly experienced in the supplies of ova gathered about the same time by the officers of the Michigan and Ohio state hatcheries. This I learned to be the case from information derived from a personal visit to both of these Governmental establishments, to ascertain if possible the cause of this general misfortune with the whitefish eggs. Nothing further, however, was elucidated than the fact that the percentage of loss at the Michigan Nursery was unprecedentedly great, and at the Ohio hatchery it was found to be much greater.

Realising at once the unpleasantness of closing the establishment at Sandwich for a whole season, another effort to stock the hatchery with eggs was made, which, under the circumstances resulted very successfully. It was then the 2nd of December, a period at which it could hardly be expected to gather eggs, as the usual spawning season had passed by, but just at this time Mr. Gauthier was about removing his stock of whitefish from the several pens under his control to his Petet C6te pond for greater convenience and safety till later on, so that he might take advantage of the winter's higher prices. Therefore arrangements were at once made with him by which such of these fish as might be found still to have eggs within them should be manipulated, for which privilege he was to be recompensed. The venture proved very satisfactory, as some fifteen millions of eggs were secured in this way, a fair proportion of which are now showing evident signs of fruitfulness.

Total number of whitefish ova laid down in 1879.....	18,000,000.
Total number of fry turned out spring of 1879.....	12,000,000.
Grand total of young fry distributed from this establishment since opening	48,440,000.

In concluding this summary of operations at the Sandwich Hatchery, I feel called upon to reiterate my previously recorded convictions in reference to the whitefish fisheries on the Detroit River, which in every successive year, from personal observation and practical study of the subject, have become more firmly impressed upon my mind as being correct.

The practice hitherto pursued and upheld at the present day of constantly killing the whitefish during their breeding season must sooner or later exterminate them, not only from the Detroit River, but also from all other waters where the same system is pursued. This much to be deplored result has been already largely verified by the long continuance of a similar unnatural procedure on all the whitefish grounds in Lake Ontario.

If therefore this unwise and destructive policy must and shall be persevered in by the people of this country, but one alternative is open by which this valuable fish may not become extirpated, and it behooves the people and the Government of the day whose guardians they are (or ought to be), of the present and future wealth of this country, to see this proposed remedy rigidly and vigorously enforced, by encouraging,

and if found necessary, forcing those who are engaged in fishing operations to join with the proper authorities in saving to the utmost from destruction the eggs of such mature fish as may be taken during their gravid or pregnant state.

This would be no difficult work to perform by a process of "farming or seeding" the waters with the ova thus taken, after being properly impregnated, and by carrying out on a gigantic scale the now well-known and fully recognized methods of propagating fish by artificial means.

Every fisherman within the district where it may be found necessary to apply this system should be unswervingly compelled under the liberty which he obtains to fish, to comply with some such regulation, which should be enforced by the most stringent oversight of a few skilled officers possessing the knowledge sufficient to instruct or direct these fishermen in the work of impregnating the ova of fish so taken, and of planting them in such places as shall be pointed out; and, also, of assisting to furnish supplies of eggs for the Hatching Houses for artificial rearing.

By some well devised plan of this kind, a portion of the *tens of millions of ripe fruit-bearing eggs* could be husbanded and made to yield fish, all of these ova at the present time are cruelly destroyed by the avarice of the fishermen, who are backed in their sinister work by the partisanship of too many leading public men, who again in their turn are found importuning the authorities of the land to allow these greedy fishermen to blindly continue a course, destroying alike their own interests in the end, and exterminating a valuable source of food and wealth, which should be maintained as a lasting heritage, not only for the present, but also for the future inhabitants of the whole country.

SCHEDULES AND REPORTS.

The several tables and forms relating to the numbers, description and distribution of the fish-eggs and fry referred to in this report, as also the reports of the officers in charge of the several hatcheries, will be found hereto annexed.

Before closing this report of the transactions of the year, I desire to make favorable mention of the efficiency of the several officers now in charge of the fish-breeding establishments in the Dominion under my superintendency. The practical experience which they have now gained, which is so essential to the successful and economical working of fish hatcheries of the nature and extent of those now in operation under your Department, warrants me in stating that these institutions being now under the care of skilled hands, their success may be looked forward to, in the future, with much satisfaction.

I desire, also, to respectfully suggest that the several officers now in charge of the various hatcheries, as well as those who may be appointed hereafter, should be placed on some footing of permanency; and that skill, ability, close attention to the work, and good conduct should be their guarantee for promotion, believing that a system of this kind will add materially to the greater success of this branch of your Department.

I have the honor to be, Sir,

Your obedient servant,

SAML. WILMOT,

Superintendent Fish-Culture for Canada.

NEWCASTLE, ONT., Dec. 31st, 1879.

EXTRACTS FROM OFFICIAL REPORTS.

The following extracts, taken from the reports of the local fishery officers, are here given as touching upon the subject of artificial fish-culture in Ontario:—

Overseer Boismier, of the Detroit River division, says that: "The catch of white-fish shows an increase of 31,900 lbs. over that of 1878. This is a most cheerful result

in view of the steady falling-off which has been experienced during the last ten years." Mr. Boismier has no hesitation in attributing this beneficent result to the fish-breeding operations begun at Sandwich in 1876, under the supervision of Mr. Samuel Wilmot. The oldest fishermen also say that they never saw so many young whitefish in the river."

Overseer Kerr, of Niagara River and Lake Ontario division, reports: "A large increase in the catch of whitefish in his division when compared with that of 1878. He states that these fish were so numerous during the season of 1879, that at his suggestion the fishermen limited their fishing to three days in the week, so as to avoid glutting the markets and losing their fish. This remarkable increase Mr. Kerr attributes to artificial culture, carried on under the superintendence of the Government. He also reports the number of breeding salmon in the streams this season being smaller than usual. Quite a number of young salmon were accidentally caught in nets or seines during the summer and liberated alive."

Overseer Wilkins, of Bay Quinté division, reports that: "Young salmon were seen in the River Trent in large numbers, some were also seen in Stoco Lake and Hog Lake, up the Moira River, being the growth of the salmon fry put in those waters by Mr. Wilmot, thus establishing the practicability of fish-breeding."

TABLE showing Number of Fry and Vitalized Ova in the several Fish Nurseries in Canada, in the Year 1879.

Fish Hatcheries.	Fry distributed in Spring of 1879.					Eggs laid down in Fall of 1879.						
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.	Total.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.	Total.
Newcastle, Ont.	661,000	1,700	1,100,000	100,000	860,000	2,662,700	309,000	86,000	1,264,000	40,000	1,200,000	2,899,000
Sandwich do	.....	.....	.....	.....	12,000,000	12,000,000	.....	.....	.....	18,010,000	.....	18,000,000
Tadoussac, Que.	1,250,000	.....	.....	.....	.....	1,250,000	1,500,000	.....	.....	.....	.....	1,500,000
Gaspé do	1,597,000	.....	.....	.....	.....	1,597,000	850,000	.....	.....	.....	.....	850,000
Restigouche do	1,470,000	.....	.....	.....	.....	1,470,000	1,500,000	.....	100,000	.....	.....	1,500,000
Bedford, N.S.	1,740,000	.....	.....	.....	.....	1,740,000	1,400,000	.....	.....	.....	.....	1,400,000
Miramichi, N.B.	1,025,000	.....	.....	.....	.....	1,025,000	1,010,000	.....	.....	.....	.....	1,010,000
St. John Riv. N.B.	.....	.....	.....	.....	.....	.....	320,000	.....	.....	.....	.....	320,000
Dunk Riv. P.E.I.	.....	.....	.....	.....	.....	.....	600,000	.....	.....	.....	.....	600,000
Totals, 1879....	7,683,000	1,700	1,100,000	100,000	12,800,000	21,684,700	7,489,000	86,000	1,264,000	140,000	19,200,000	28,079,000

SAMUEL WILMOT,
Superintendent.

TABLE showing the places where, and the years in which, the several Fish Hatcheries have been erected; also, the numbers of Eggs laid down, and Fry turned out from each establishment, annually, since they were built.

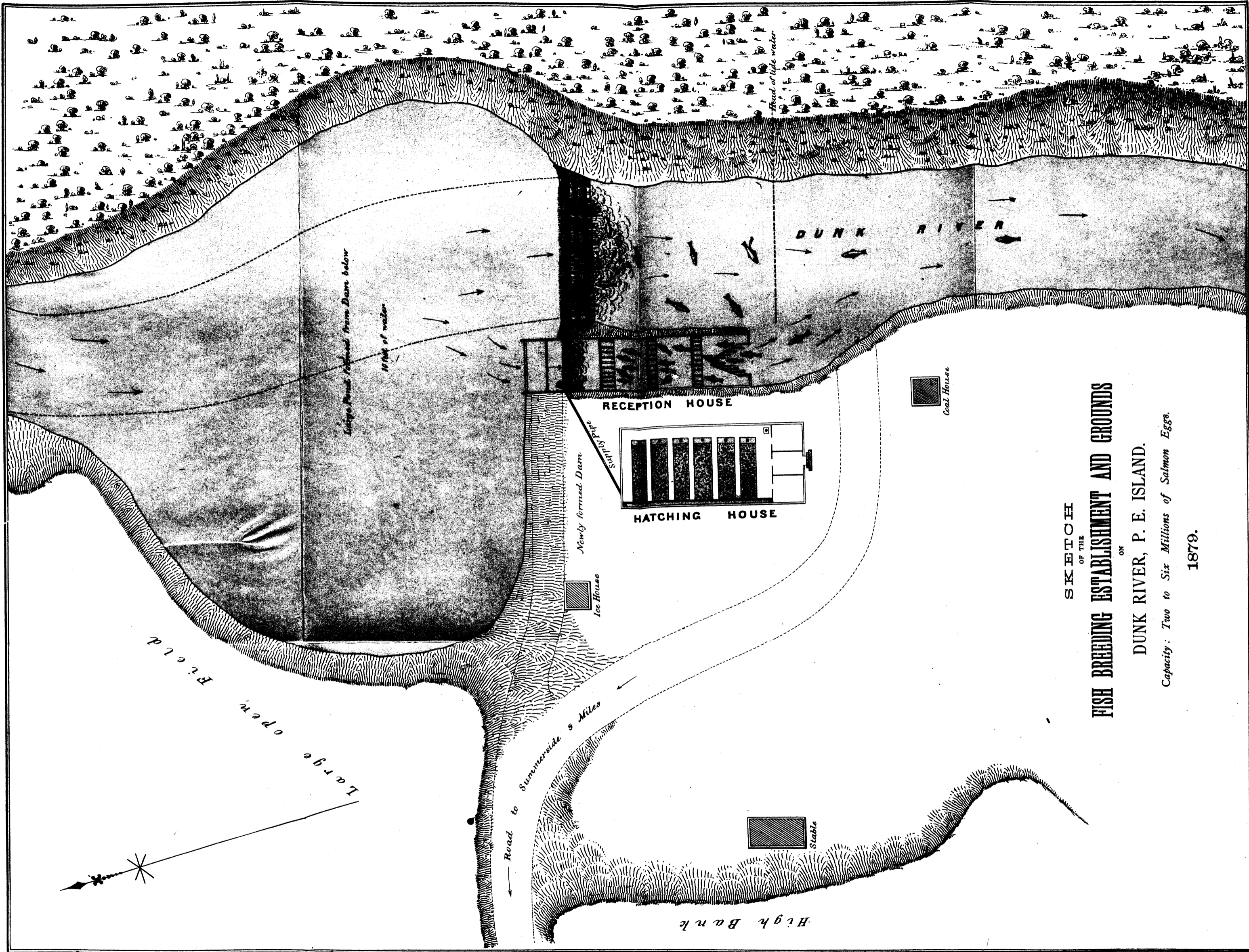
Year.	Newcastle.		Restigouche.		Miramichi.		Gaspé.		Tadoussac.		Bedford.		Sandwich.		Dunk River.		St. John River.	
	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.	Eggs.	Fry.
1868 to 1872.....	1500000	.....	120000	.....	300000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1873.....	500000	1070000	120000	.....	1500000	60000	200000	.....	60000	.....	.....	.....	.....	.....	.....	.....	.....	.....
1874.....	800000	350000	880000	100000	1500000	60000	70000	.....	200000	60000	.....	.....	.....	.....	.....	.....	.....	.....
1875.....	1000000	650000	310000	60000	80000	150000	50000	.....	1340000	150000	600000	395000	10000000	8000000	.....	.....	.....	.....
1876.....	1750000	700000	800000	300000	650000	60000	120000	.....	1180000	1180000	1450000	1000000	26000000	8000000	.....	.....	.....	.....
1877.....	3300000	1300000	1204000	600000	710700	320000	750000	.....	1375000	707000	2250000	1400000	15000000	20000000	.....	.....	.....	.....
1878.....	3841000	2605000	1585000	1015000	1250000	685700	1650000	.....	1500000	1250000	1400000	1740000	18000000	12000000	6000000	.....	.....	3200000
1879.....	2839000	2602700	1500000	1470000	1010000	1025000	850000	.....	1500000	1250000	1400000	1400000	15000000	12000000	6000000	.....	.....	.....
Totals..	155890000	*9277700	6399000	4085000	5180000	2250000	4720000	3558000	5375000	3347000	6800000	4535000	79000000	48440000	6000000	.....	.....	3200000

NOTE.—The "Fry" column under each hatchery denotes the number hatched from "Egg" column of previous year, thus: the fry on the line of 1874 are from eggs on the line of 1873.

* These figures include salmon, salmon-trout and whitefish fry.

Total number of salmon and salmon-trout fry hatched since opening of hatcheries.....	27,082,700	Average 76½ per cent.
do whitefish fry hatched out at the Sandwich Nursery.....	48,440,000	do 79½ do
Grand total of young fish raised at all of the establishments.....	75,522,700	
Total number of eggs on the hatching-trays at the present time.....	28,079,000	
do ova lost from all sources since commencement.....	20,882,300	
Grand total of fish eggs collected since opening.....	124,484,000	

31st December, 1879.



SKETCH
OF THE
FISH BREEDING ESTABLISHMENT AND GROUNDS
ON

DUNK RIVER, P. E. ISLAND.

Capacity: Two to Six Millions of Salmon Eggs.

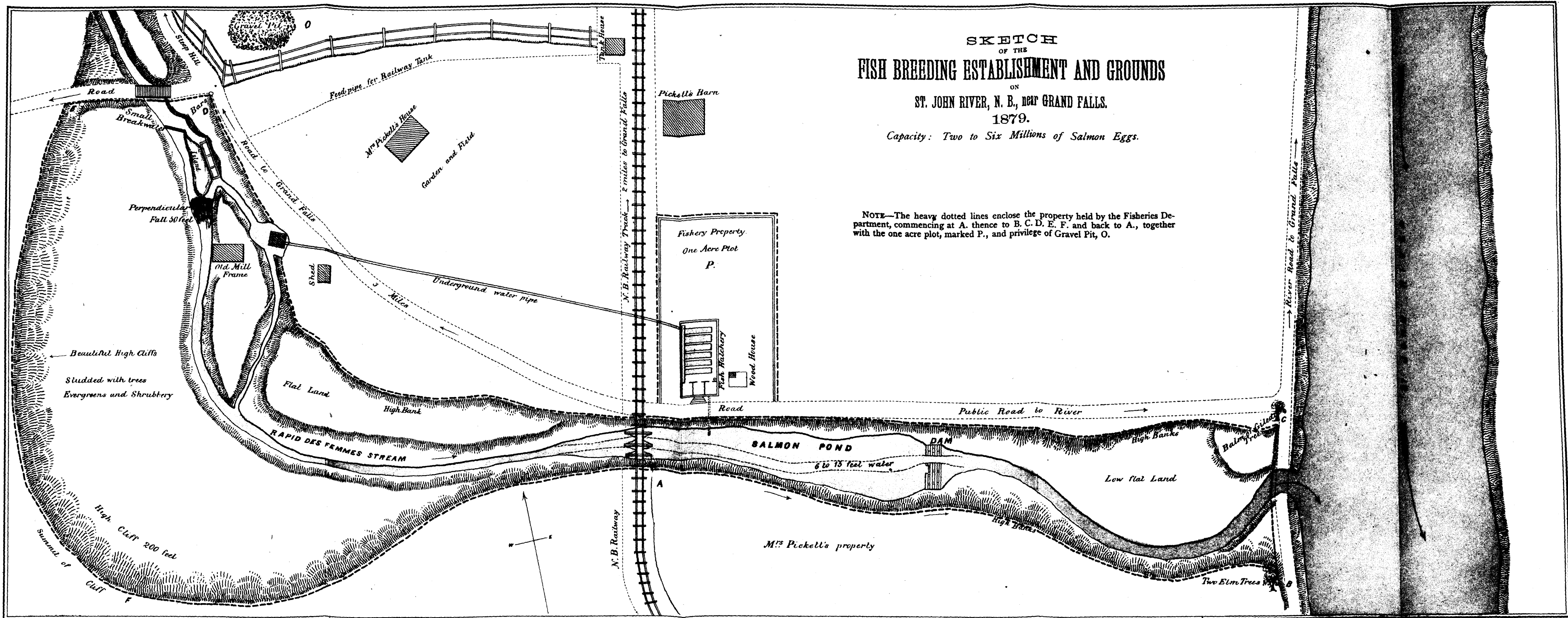
1879.

SKETCH
OF THE
FISH BREEDING ESTABLISHMENT AND GROUNDS

ON
ST. JOHN RIVER, N. B., NEAR GRAND FALLS.
1879.

Capacity: Two to Six Millions of Salmon Eggs.

NOTE—The heavy dotted lines enclose the property held by the Fisheries Department, commencing at A. thence to B. C. D. E. F. and back to A., together with the one acre plot, marked P., and privilege of Gravel Pit, O.



REPORTS OF THE SEVERAL OFFICERS IN CHARGE OF THE FISH-BREEDING ESTABLISHMENTS IN THE DOMINION OF CANADA FOR THE YEAR 1879.

SANDWICH HATCHERY.

SANDWICH, December 31st, 1879.

The Honorable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I now beg to submit for your favorable consideration the following report in relation to the Sandwich whitefish hatchery.

Last year I stated that some fifteen millions of eggs were put in the hatching cans.

The fry commenced to hatch on the 10th of March, and shortly after this date the first lot was let loose in the river. From the 21st of March, young fry were turned out every day (more or less) up to April the 12th, when the last lot was distributed. The majority of the fry were taken from the reception tank in large cans and carried to the river, and then taken in a boat out to the channel bank and let go.

A great many persons not acquainted with fish culture have been writing that the eggs of the whitefish hatch too early in the hatchery, and that the temperature of the water in the breeding room is much higher than that in the river, where the fish deposit their eggs naturally. Some think the hatching should be kept back a few weeks longer by putting ice in the tanks. Most people know that the Detroit River is full of ice all winter, and therefore, it is impossible to keep the water colder in the house than it is in the river. As I kept a correct account of the temperature of the water, both in the river and the breeding room, during the months of March and April. I send the figures herewith, and it will be found that the temperature was exactly the same with the water in the hatching cans in the house and in the Detroit River, from March the 1st to April 6th, which was the last day of hatching out of the young whitefish. The thermometer gave in both places the same figures every day, the average throughout the time being 33 and 34 degrees. Therefore, you will see that as the temperature of the water in the breeding cans and the river was the same, there could be no difference in the time of hatching out the eggs in either place.

The summer was spent in keeping everything about the place in good order, and in getting things in readiness for this season's operations.

Your Department had some understanding with Colonel Rankin about getting a supply of eggs from his fishery for this hatchery, and, I must say that he did everything in his power to assist us in the undertaking. We were not so successful in getting a large supply of eggs from his fishery as we expected. We got in all twelve millions of eggs from Bois Blanc fishery. There was only one-third of the fish caught this season that there was last year, and what eggs we did get from there all went bad (with the exception of two millions) in about three days after they were laid down. I notified Mr. Wilmot of what had happened and he came up to find out what the difficulty was. He visited the Michigan State hatchery in order to learn all he could about the loss of eggs, and found they had only about one third of the eggs they usually got, the rest having all turned bad. Mr. Wilmot also visited the Ohio State hatchery at Toledo, and found the same difficulty there, that they had lost nearly all of theirs, about 27,000,000 out of 30,000,000 that they had gathered. After sustaining this big loss at our own hatchery, and the men had returned from the spawning grounds and no more fish were being caught, we had almost given up hopes of getting any more eggs. It happened that

Mr. Charles Gauthier had some 19,000 fish at his different stations, and was going to remove all these fish alive to his pond at "Petit Coté." As Mr. Wilmot was determined to get eggs for the house, he told me to see Mr. Gauthier and make arrangements with him for spawning the fish as they were removed to his pond, and I bargained with Mr. Gauthier to allow him at the rate of (\$10) ten dollars per hundred fish for all the spawning fish and for those we might kill in handling.

In spawning the fish we killed eight hundred out of the nineteen thousand, and got in the neighbourhood of eighteen millions of eggs, at this date a very large proportion are shewing the embryos. We never can hatch as large a percentage of eggs, especially when they are taken so late in the season and from small fish. In this second lot of eggs the percentage was about the same as usual up to the 20th of the month. We lost a large number about the 23rd; since then I cannot see that we have lost anything of much importance. I had two cans of eggs expressly picked out at that date (23rd December) to see how many would go bad, and have only lost in the two cans, containing each 100,000, about 4,000 eggs, and have come to the conclusion that we will have no further loss of any importance this season.

The fish caught here this season were much smaller than the usual run of whitefish of the Detroit River. There were hundreds of young whitefish caught that would not weigh more than half a pound.

I hope your Department will see proper to lay down at least sixty million eggs next season. To do this we will require a larger supply pipe from the river, and also a larger engine. I also hope your Department will allow a trial to be made to hatch a quantity of the pickerel eggs here in the spring, as they will not interfere with the hatching of the whitefish. Mr. Gauthier says the pickerel eggs can be got in millions near Port Huron.

I have the honor to be, Sir,

Your obedient servant,

JAMES NEVIN,

Officer in Charge.

GASPE HATCHERY.

GASPÉ BASIN, 31st December, 1879.

The Hon. JAMES C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I beg to submit to you an account of the operations connected with the Fish-breeding Establishment here during the past year.

The salmon ova in the building last winter did remarkably well; the loss was trifling throughout the period of hatching.

The young fish commenced hatching out on the 9th of May, and came out rapidly after that date.

The distribution of the fry commenced on the 3rd of June, and ended on the 30th, and the result was successful.

On the 16th of June, I removed thirty-five thousand young fish to Grand River in large cans with patent covers for ice. I left by steamer "City of St. John" at 4 o'clock, a.m., and landed inside the mouth of the river at 8.35 the same morning. I took a scow, three men, and horse, and went up stream seven miles and had the satisfaction of finding that the fish had carried splendidly; they were planted at different places in the river. Finding the lessees' guardian going up river with his canoe three miles further, I sent one can of fish with him to be placed above, as we could get no further with the scow.

On the 22nd of June, I started again by the same steamer. I sent ashore eight cans of fry at Grand River, and proceeded myself to Grand Pabos with twelve cans, containing about fifteen thousand fry. I planted these very well and with scarcely any loss, having taken a good supply of ice and renewed the perforated covers with some on the way up. The people at Pabos were surprised to see the young fish looking so lively. Unfortunately the only scow available for the purpose at this place is too large and heavy for our work, and in consequence it takes a much larger time to get up the river and needs extra men. It would therefore be advisable to have a small scow built there, suitable for the purpose. On the 30th of June, I sent three cans with about ten thousand fry to Mr. McIsaac, to be placed in the west river of Pabos, and on the 1st of July he wrote me as follows:—"I received the three cans of young salmon, per steamer, and placed them one, two and three miles above the old dam of the west river, yesterday, and there were only two dead ones in the lot; all of the fry were in excellent condition and quite smart. We had to carry the canoes over land at the old mill-dam, and cut a passage in order to pass our flat, the gaps being filled with drift wood. It is a great pity the gap is not wider in order to allow salmon to get up. I, however, planted the young salmon to my satisfaction."

The number of young fry placed in each river is as follows:—

Dartmouth River.....	650,000
York "	370,000
St. John "	360,000
Malbay "	90,000
Grand "	67,000
Grand Pabos River.....	50,000
Grand Pabos River, West.....	10,000
Total.....	1,597,000

Besides the above-mentioned places of distribution, about fifty thousand were placed in the pond at the establishment, and eight thousand carried to the North-West Lake as an experiment.

The operations connected with the netting of the parent fish were not so successful as last year, owing to their not being as many salmon running up the river as in former years. I append a statement of the number of salmon caught, and the dates on which they were taken. On the 29th May I placed the first fish caught in the pond, and on the 18th July the last one was taken.

June 24th.....	Rain storm, nets taken up.
July 10th and 11th.....	Set nets.
July 23rd.....	Rain storm.
July 24th.....	Took up nets.

After the above-mentioned last date I took up the nets, as the river kept very high, making it impossible to set the nets again.

I may state that out of the one hundred and twelve parent fish captured this season and placed in the pond, not one died during the summer. The fish were seined and put in the cribs ready for manipulation on the 10th day of October; some eggs were taken the same day. There were in all a total of one hundred and twelve fish, eighty-seven females and twenty-five males, also four females and eight males in lower pond, making a grand total of one hundred and twenty-four parent salmon for spawning purposes.

Although some of the fish gave their ova well at first trial many of them were very late, and it was the first week in November before all the fish were manipulated, the weather at the time being very cold.

The fish were all taken around to the main river by scow, and appeared quite lively and healthy. The number of ova taken was as reported to your Department,

eight hundred and fifty thousand, all of which are at the present time looking well, with the exception of twelve trays which met with an accident on the way down from the pond, by the craft sticking on a stump or a log, thereby throwing the box containing the trays on its side and injuring some of the eggs.

The lessee of the Dartmouth River seems to be much opposed to the present system of netting parent salmon by the Department, for the purpose of fish-breeding. He need not be under any apprehension of losing good sport on the river, as the fact shewing that Messrs. Barnes and Guild caught last year sixty-five salmon with the fly, and other anglers seventeen, making in all eighty-two salmon taken with the fly and two hundred and thirty-two captured by the Department, is a sufficient proof that there is not a scarcity of salmon in the river. There is no doubt that netting is the only way for us to obtain our supply of parent fish for spawning purposes. Catching salmon up stream in the autumn months is not only uncertain, but very expensive, and is attended with much difficulty, besides having to run the risk of injuring the ova should the weather be cold, which is generally the case in the spawning season. I should, therefore, urge upon your Department the necessity of continuing the system which, for the past two years, has been done by netting the fish in June. The proof of this successful system is plainly shewn by the fact that only *four* fish died out of *two hundred and thirty-two* taken out last season, and *not one* having died out of *one hundred and twelve* caught this season. It would be impossible to have healthier or finer-looking salmon than those captured by the netting system during the past two years. The best kind of dip-net to use in removing fish from the net to the scow, is made of strong wrapper, or bagging, with many holes for the water to run through, as a net, no matter how small the mesh may be it is apt to injure the fish, on account of the small knots coming in contact with their gills and eyes.

The troughs and trays were properly dried and varnished during the summer. The pipes carrying off the water from the troughs were found very defective, and have been changed and renewed. I had a large window placed in the rear of the establishment in order to admit of taking in the pond scow, canoes, or other crafts, as there was ample space above, and it preserves them from the weather. A new scow will be necessary next year for spawning operations, and should be made this winter. Four tons of coal have been purchased, and the establishment is in first-class working order.

I have the honor to be, Sir,

Your most obedient servant,

PHILIP VIBERT, Jr.,

Officer in Charge.

RESTIGOUCHE DEE SIDE HATCHERY,

31st December, 1879.

The Honorable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—As no provision was made for any permanent improvement at this establishment the present season, and as the building is not worth putting any expense upon, I have merely endeavoured to keep it in such condition as will ensure the safe keeping of ova during the coming season.

Owing to last spring's heavy freshets the Indian House Brook overflowed the dam at the west end, tearing out the gravel and silt, filling up the pond, and making a new channel. In order to prevent such an occurrence again, I put up two hundred feet of cedar cribbing six feet high, backing it up with gravel, cleaning the

pond out, and making a roll-way in front. I also put a wing dam at the upper end and turned the channel of the Brook fair for the flood, and I am now perfectly confident of its future success.

Early in August I placed in the pond seven fish, which I caught with the fly, and fully intended placing a quantity in it about the 1st of September, but owing to the condition of the river, and the heavy floods during the months of August and September, I was unable to do so. From the 28th of September to the 20th of October, being favored with fine weather, and the river falling, and by going ten miles above Lefurgys, (at Kedgwick) I was enabled to capture ninety-nine females and forty-seven males, which with five in the pond, made in all one hundred and fifty-one fish. Only one female died, but I took her eggs as they were ripe. The fish caught were smaller than usual, owing to their being the last run, but from them I took over nine hundred thousand eggs. I packed them in moss and sent them to Dee Side as they were taken; they now look to be in fine condition. My son took charge of the house at Dee Side. In thirteen nights he succeeded in taking one hundred and nineteen fish, sixty-six females and and fifty-three males, from which he got six hundred thousand eggs, in all two hundred and seventy fish; one hundred and sixty-five females, and one hundred males, which gave fully one million five hundred thousand eggs, or nearly ten thousand ova per fish. This large quantity of ova has very much crowded the house, the trays being two and three tiers deep; this makes the moving of the trays very difficult to perform. My experience leads me to say that trays of eggs should not be moved if possible, for the first thirty days, as the slightest motion has a tendency to adtle the ova. The house, in my belief, will be found too small for safety in the spring. Last year I had to move half a million of ova in the month of May to the river. I placed them in small cribs without much loss, in order to ease the house, but I cannot recommend it as being very safe to do so.

I found the trout I caught during the summer were not going to give but little ova, hardly one in ten giving any. They seemed to me to have spawned sometime during the spring. I, therefore, left Dee Side on the 22nd of October, and with two men went up to a small lake near Salmon Lake, where there are trout of very fine quality, much superior to those of the river or estuary trout. Notwithstanding the very cold and disagreeable weather which prevailed, I succeeded in obtaining over seventy thousand ova; these, with the few taken in September from the river trout, will make nearly one hundred thousand trout eggs in the house. Owing to the distance and difficulty in carrying these eggs, and being a week packed, and the excessive cold also being injurious to them, I expect a loss of fifteen or twenty per cent. However, as orders were given to obtain them if at all possible, I did the best I could.

Since writing the above, I respectfully beg to inform you that, after careful examination, I am satisfied that this hatchery contains one million six hundred thousand perfect ova; less loss so far has been experienced than in any other year, having lost up to the present date only twenty-eight thousand. As has been already reported, parent fish were not so numerous this season as usual, and extra exertions had to be made to obtain the quantity. Two reasons may be given for this apparent scarcity: excessive netting in the Bay of Chaleurs and tidal waters, and very high water in August, which would have a tendency of allowing the fish to run higher up the river. Although on this point I have grave doubts of its correctness, as fish were nearly as plentiful on the lower bars as they were sixty miles above, but to prevent a recurrence of the scarcity of breeding-fish up river, I would urge as a remedy the further extension of the weekly close-time for twelve hours longer, making the time forty-eight hours instead of thirty-six. As to the danger in the hatchery from over-crowding, I beg to say that with less ova last year I had to relieve it by filling my distributing boats and placing them out in the river; owing to the difficulty of graduating the proper supply of water in the boats and keeping the fish clean, this plan was not very satisfactory, as more loss was experienced than in the hatchery. That the Restigouche is the proper place for the whole supply of fry raised here is undoubted, and only confirms my previous impressions and reports.

The Bay of Chaleur is the great salmon emporium of the Maritime Provinces and the Resougoche River (with its tributaries) is the key, and notwithstanding the assertions and cold water thrown by some fishermen and others on artificial fish-breeding, I am thoroughly convinced that the great and continuous increase of salmon in this bay and estuary, is mainly due to the abundant supply of ova hatched since 1873 from this establishment.

Owing to the continual settling of the hatchery, combined with the action of the frost on the foundation, difficulty is experienced in keeping the troughs level, and it is *absolutely necessary*, if fish-breeding is to be continued here, that provision be made for a new building.

I have the honor to be, Sir,

Your most obedient servant,

(Signed) JOHN MOWAT.

Officer in Charge.

MIRAMICHI HATCHERY.

SOUTH ESK, MIRAMICHI, December 31st, 1879.

The Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—The numbers of salmon fry hatched out at the Miramichi Hatchery in the spring of 1879, are as follows: 1,020,000. They were distributed in the following rivers as stated below:—

North Miramichi.....	200,000
South “.....	150,000
Little South-West.....	120,000
Napan River.....	75,000
Black River.....	75,000
Shediac River.....	50,000
Tabusintac River.....	60,000
Sevogle River.....	60,000
Burnt Church River.....	60,000
Bartibog River.....	60,000
Salmon River.....	40,000
Canaan River.....	30,000
Renous River.....	40,000
Total	<u>1,020,000</u>

During the summer season all necessary repairing was done about the house and ponds.

In the fall of 1879, three hundred and ninety-nine parent salmon were procured, all of which were placed in the pond, but owing to the high tide on the 29th October last, a large number of them escaped, as the tide raised two feet over the dam, thus making it impossible to save the fish. However, I succeeded in getting from those fish remaining in the pond 850,000 healthy eggs, and having laid them down in the troughs I started for the Main South-West River, where I succeeded in getting fifty-two salmon, which gave me 160,000 more good eggs. I carried the eggs home in a waggon and found great difficulty in keeping the eggs from freezing on the way to the hatchery, but having arrived there I found them all right. This lot was also laid down in the hatching-troughs, making in all upwards of one million healthy eggs in

the Miramichi establishment. The eggs are progressing favorably up to the present time without much loss. The pond will not require much repairs this season, but the reception-house ought to be moved down the stream a short distance, as the parent fish cannot get up in time of low water. If the house was at the head of back-water it would save the trouble of carrying the manipulated fish down to the tide-way in order to let them loose. There could be a box floated to the lower end of the house, and in the event of the fish having been spawned, they might be put in the box and towed down to the sluice-way of the pond and turned out without much handling. The proposed house would not cost more than \$25 or \$30, with my own help in building it. The hatching house will require some repairs, and I am of the opinion that the clap-boards will need taking off the lower storey, and the necessary boards put on and covered with tar paper before replacing the clap-boards.

It will be necessary to buy or build a small scow for the work of catching fish, as it costs more to hire one for a season than a new one would cost, and would last us for five years.

I have the honor to be, Sir,

Your most obedient servant,

ISAAC SHEASGREEN,

Officer in Charge.

BEDFORD HATCHERY.

BEDFORD, 31st December, 1879.

The Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honor, herewith, to submit, for the consideration of your Department, the following statement of the results of my labours at the Bedford Fish-Breeding Establishment during the past year.

As stated in my last annual report, the number of ova laid down in the house, last fall, was two million two hundred and fifty thousand (2,250,000). Of these, one million seven hundred and forty thousand (1,740,000) were successfully deposited in the following rivers, as per instructions received from your Department:

Sackville River, Halifax Co.....	200,000
Musquodoboit " "	240,000
Shubonacadie " "	50,000
Big Salmon " "	20,000
Little Salmon " "	20,000
Moshers " "	20,000
Nino Mile " "	20,000
Pennant " "	20,000
Indian " "	20,000
Ingraham " "	20,000
Gays " "	20,000
Total.....	670,000
Meander River, Hants Co.....	40,000
Windsor " "	40,000
Kennetcook " "	30,000
Herbert " "	40,000
Total.....	150,000

Cornwallis River, Kings Co.....	40,000
Gaspereau " "	40,000
Total.....	80,000
Philip River, Cumberland Co.....	140,000
Wallace " "	40,000
Pugwash " "	20,000
Maccan " "	20,000
Truch " "	20,000
Total.....	240,000
East River, Pictou Co.....	60,000
West " "	150,000
Middle " "	60,000
Sutherland River "	40,000
Total.....	310,000
Salmon River, Colchester Co	80,000
Stowiacke " "	40,000
North " "	40,000
Debert " "	20,000
Ishgonish " "	20,000
Folly " "	20,000
Total.....	220,000
Annapolis River, Annapolis Co.....	50,000
La Have " "	20,000
Total.....	70,000
Total distribution.....	1,740,000

This branch of the work was attended with very satisfactory success, and the young fish were deposited in the rivers in a healthy condition.

Collection of Ova.

The past autumn being very unfavourable to my operations, owing to extreme cold weather and severe storms, I was unable to secure my usual number of spawning fish. Fishing was prosecuted on the same rivers as in former years, with the following results:

Rivers fished.	Salmon caught.	Ova obtained.
Musquodoboit River	188	9000,000
West " "	72	465,000
Philip " "	87	525,000
Sackville " "	11	60,000
Totals	358	1,950,000

Of this number one million, four hundred thousand eggs were laid down in the hatchery, while, in accordance with instructions received from Mr. Samuel Wilmot, one hundred and seventy-five thousand eggs were conveyed to the Dunk River Hatchery, and a further number of three hundred and seventy-five thousand were

taken to the hatchery on the St. John River, N.B. Among those laid down in this hatchery, a very serious loss has been met with during the last ten days, one lot of our hundred and fifty thousand eggs, taken from the Musquodoboit River having proved lifeless. This loss is confined entirely to this particular lot, and, as far as I am able to determine, is due to the extreme cold to which these eggs were subjected during transportation to the hatchery. This unusual occurrence has reduced my stock to the present time to about nine hundred thousand ova. In these the embryo is now visible, and I hope to succeed in hatching a large proportion of them. During the past year, by the authority of your Department, the reception-tanks, spawning-sheds, and other appliances were enlarged, rebuilt or otherwise improved as they required, and I now have ample space to accommodate all the parent salmon I will require for the use of this establishment in future. Having informed your Department in my letter of the 12th December, as to the nature of the above improvement, and as to the details pertaining to the prosecution of the work, it will, I presume, be unnecessary to relate them here.

The condition of this hatchery with all its appliances is in all respects satisfactory, and no outlay for repairs or improvements will be required during the next year, and with a more favorable season I hope to secure a much larger number of ova in future.

I have the honor to be, Sir,

Your obedient servant,

(Signed) A. B. WILMOT,

Officer in Charge.

ST. JOHN RIVER HATCHERY.

RAPID DES FEMMES, 31st December, 1879.

The Honorable J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—I have the honor to submit to you my report of the operations conducted here during the year 1879, which, as they are yet incomplete, will be necessarily brief.

I am glad to state, that on my arrival here to take charge on the 25th of November last, I found the hatchery in every respect fitted for the purpose for which it was designed. Substantially built, handsome in appearance, replete with the most perfect apparatus, and admirably furnished with pure water, it now only needs ample supplies of ova to ensure its future success. The site of the building is most suitable, being adjacent to the St. John River, and in the near vicinity (as I have ascertained), of favorable localities for securing parent salmon. An additional advantage of this locality is the admirable water supply, which is obtained from a brook, having its origin in a small lake about seven miles north-west of the hatchery, flowing from which, and in its course being augmented by numerous springs, it reaches a point above, two hundred yards west of the hatchery, where it falls over a perpendicular cliff fifty yards high, into a ravine. Immediately above the cascade a dam is thrown across the stream, and sufficient water is conveyed through a race-way or aqueduct to a small supply pond, and thence through an underground iron pipe to the works within the building. This water is, in my opinion, eminently adapted for fish-breeding purposes, being pure in its origin, even in its temperature, and almost entirely free from alluvial deposit, so much so as to render the washing of the eggs an operation of very rare necessity. Near the hatchery where the brook widens, a timber dam of cedar has been erected, forming an ample and convenient reception-pond for the parent fish.

On my arrival here, I found laid down in the hatchery, 195,000 salmon ova, the balance of a lot brought by Mr. A. B. Wilmot (of the Bedford Basin establishment) on 18th November. On inspecting them, I was at once impressed with the conviction that they were of very indifferent character, and subsequent observation has sustained me in that opinion. On the 24th the same officer arrived with 120,000 ova, which was very much superior to the others, being brighter in color and much even in size and shape. These have also justified my first impression of them. I have kept a separate record of both lots of ova, the percentage of loss, both *en route* here and subsequently, being much higher on the first than on the second parcel. The present result is shown on the tabulated statement hereto appended, to which I respectfully direct your attention.

The embryo is now apparent in most of those last received, from which I anticipate a very successful hatch, and also a considerable number of the first lot, of which I am not, however, so sanguine. With regard to the apparatus used in this hatchery, I may refer to the trays, which I think far superior to the zinc and wire ones to which I have been accustomed. The absence of the wood frame saves considerable space, and the smooth and polished surface of the metal lessens friction and its consequent detrimental effects on the delicate organization of the egg in its early stages.

To sum up, the excellent location of the building, and its interior arrangements with the never failing-water supply, are such as, under competent management, should ensure next year most gratifying results.

Though the operations in this establishment have not this season been on an extended scale, I have by studying to "be faithful over a few things," sought to secure a continuance of the trust reposed in me.

I have the honor to be, Sir,

Your obedient servant,

W. H. BARBER,

Officer in Charge.

NEWCASTLE HATCHERY.

NEWCASTLE ONT., 12th March, 1880.

Hon. J. C. POPE,
Minister of Marine and Fisheries,
Ottawa.

SIR,—As this winter has been of rather an unusual kind on account of its mildness and almost constant rains, thereby caused the eggs laid down in the establishment to be constantly covered with sediment, I thought it my duty as Caretaker, to give you the following account of the water and its unusual temperature. There has been so many freshets here this season that the water has been more or less muddy all the time, causing a great amount of sediment to be carried down and laid upon the eggs in the houses, even when washed in the morning they would be covered again in a few hours. On several occasions when not having been washed for two or three days there was a half inch or more dirt upon them. There has often been a period of from four to five days, when it was impossible to see the eggs or be able to tell whether there were fish in the glass aquariums or not, on account of the dirty black color of the water running through the pipes. The water has been so dirty for the past three weeks that it has been necessary to wash the eggs nearly every day. This we have to do, as the eggs require to be kept clean at this stage of hatching. The eggs are now shewing signs of hatching out, and are much further advanced at this date than in former years; this, I suppose, is due to the unusual

warm temperature of the water this winter. We have placed about one-half of the young California salmon in the spring water tanks and they are doing extremely well and growing much faster than those left in the creek water of the house; their rapid growth, I believe, is particularly due on account of the spring water in the tanks being freer from sediment. The eggs in the house at present are looking well, and I think in a short time a very large proportion of them will be living fish. The speckled trout are nearly all hatched out and are doing well. The whitefish are also commencing to break their shell and I think will turn out well. The large fish hatched last season in the spring water tanks are growing much faster than those kept in the aquaria in the house, although they all have the same amount of feed and attention. Everything in connection with the establishment is in good working order, but it is almost impossible to keep things looking as clean as I would wish as there is so much dirty water running through the building.

Before closing, allow me to make a few suggestions respecting the difficulty I had in gathering the salmon-trout ova from Georgian Bay for this establishment. When I arrived there last fall the fish were not ready to spawn, but as soon as they were I got men and went to work gathering the ova, but the weather came on so rough that the fishermen often had to return without having lifted their nets. This rough weather would often last for several days at a time, therefore the eggs cannot be expected to be as good, nor is it possible to save so large a percentage when the fish in the nets are so exposed to the storms, and battering against the rocks for several days. If the nets could have been lifted every day the percentage of loss would have been much less. It is very necessary to have men employed in this work who have had some experience in gathering ova, as it is often almost impossible to keep the eggs in the pans so rough is the weather, causing the boats to be knocked about, and besides running a great risk of being frost-bitten, as the water in the pans was often frozen over before reaching the shore. I think that there might be a better way of getting salmon-trout ova from the upper lakes, by way of taking the parent fish in pound nets and keeping them in some prepared pond, or other enclosure, until such time as they are ready to spawn. In the present system the fish are often strangled, having hung by the gills for days before they could be got at, on account of the severity of the weather; whereas, by the proposed system of pound nets, we would be sure of the ova being good. In this manner I think the expense of gathering the salmon-trout ova from Georgian Bay would be very much lessened.

I have the honor to be, Sir,

Your most obedient servant,

(Signed),

WILLIAM PARKER,

Caretaker.

ONTARIO SALMON.

SPECIAL REPORT.

To the Hon. J. C. POPE,
Minister of Marine and Fisheries.

SIR,—I beg to submit for your consideration the following special report on the origin of fish-culture and some of the practical results obtained in fish-breeding in Ontario, and particularly with regard to Ontario salmon, containing also some suggestions respecting the best modes of capturing them.

It will be unnecessary to give lengthened details here concerning the origin of artificial fish-culture in Ontario, as it will be found related in the regular annual reports to your Department; unless to mention that its first inception originated with the undersigned as an amateur on a very small scale in 1866-67, by experiments

with a small spring of water conducted through his dwelling-house, the object at the time being to obtain practical knowledge concerning the habits of the salmon and their modes of reproduction.

The first experiment tried was by collecting a few hundred eggs from the bed of a creek, where a few odd salmon were yet found to enter. These ova were transferred to the cellar of the house, where a small stream of water was made to pass through a trough in which gravel was placed, to represent as nearly as possible the bed of the natural stream. The experiments proving satisfactory, were continued the following years, and were brought to the notice of the Commissioner of Crown Lands, under whose jurisdiction the fisheries interests of the country were managed. By this means, aided by the active co-operation of Mr. Whitcher, the chief officer of the Fisheries branch, artificial fish-culture became recognized as deserving of some public aid to assist in enlarging the experiments already begun by private enterprise.

This novel work was then pursued more extensively, and in 1869 additional aid was granted, and the results of the experiments proved to be of a very satisfactory character. This year the Government appointed a special Commission to investigate and report upon the work of artificial fish culture as carried on at Newcastle in Ontario. Mr. Whitcher, Commissioner of Fisheries, and Mr. Venning, Inspector Fisheries for New Brunswick and Nova Scotia, were commissioned to visit the establishment, and after a minute inspection and close investigation into all matters connected with the industry, reported favorably, as will be seen by reference to their report published in the Marine and Fisheries Report for the year 1869 (page 66, Fisheries appendices). Messrs. Whitcher and Venning, having dealt with the subject intelligently and in a practical manner, concluded their remarks as follows:—
“We cannot close this brief report without bearing cheerful witness to the untiring zeal, practical intelligence and ingenious industry which has enabled Mr. Wilmot to surmount difficulties and brave discouragements necessarily attending the experiments which he has so persistently pursued to a successful conclusion; and we beg leave respectfully to commend his interesting and useful labors—promising extensive benefit to our fishery interests—to such substantial recognition on the part of the Government as they deserve.”

From this period artificial fish-breeding made rapid progress, being vigorously applied in a practical way under the directions of the Fisheries Department to other portions of the Dominion. In 1873, two establishments were built, one on the Miramichi River, in New Brunswick, the other on the Restigouche River, for the joint interests of the Provinces of New Brunswick and Quebec. This latter institution was largely supplemented with funds for its construction by the Salmon Angling Lessees of the Restigouche River and its tributaries. In 1874 two more nurseries were erected at Gaspé and Tadoussac, in Quebec; and in 1875 a salmon hatchery was established at Bedford, in Nova Scotia; and a whitefish nursery at Sandwich, in Ontario. During 1879 two more fish-breeding nurseries were erected, one on the Dunk River, in Prince Edward Island, the other on the St. John River, New Brunswick; thus making in all nine institutions established for the artificial propagation of fish since the public recognition of this new industry in Canada in 1863.

The establishments at Tadoussac, Gaspé, Restigouche, Miramichi, Bedford, Dunk River, P.E.I., and St. John River, N. B., are at present used wholly for the breeding of salmon. The hatchery at Sandwich, in Ontario, has thus far been devoted expressly to the rearing of whitefish; but experiments are now going on for the first time with the view of propagating the large pickerel or doré of the great lakes. Several millions of these eggs have already been placed in the incubators at Sandwich, in order to test the practicability of producing this fish by the methods of artificial breeding. The Newcastle nursery in Ontario, being the original or experimental establishment, is devoted to the rearing of all such fish as may be considered of importance to the commercial interests of the country.

The origin of the Newcastle establishment was for instituting experiments in the artificial propagation of salmon, with the view to their practical application after-

wards in other portions of the Dominion. These trials having resulted satisfactorily, attention was then turned largely to the rearing of the (locally) important commercial fishes of Ontario, more especially the salmon-trout, and the whitefish of the great lakes. By close, personal study, and application to the subject on the part of the originator of this industry, satisfactory results followed the undertaking, not only in the hatching of fry, but also by the introduction and invention of various kinds of fish-breeding apparatus, having for their object, not only the saving of labor and utilizing of space in the hatcheries, but also economising and systematising the general work in connection with this peculiar industry. This knowledge, and these inventions, having been perfected at the Newcastle Nursery, have been applied, and are now generally adopted in all of the fish-breeding establishments in the Maritime Provinces; by this measure, and by uniformity in the construction of the several hatcheries in the Dominion, a similarity of procedure is carried on at each hatchery in the country, which has proved to be of great service in their practical and commercial working.

A misconception evidently prevails in the minds of many persons, with regard to the descriptions of fish bred at the Newcastle Hatchery, by confounding the name of the migratory salmon with that of the salmon-trout of the great lakes. Whilst large numbers of the salmon have been reared at Newcastle, greater attention has of late years been given to the hatching more extensively of the really commercial fishes of Ontario, namely, the large lake trout or salmon-trout, and the whitefish of the great inland seas and other waters of that Province. By reference to the annual reports of the Fisheries branch of the Department it will be found that the numbers of the impregnated ova of these fish deposited in the Newcastle Hatchery out number by nearly four-fold those of the migratory salmon; taking the past three years for example, the following statement is given, viz. :—

	Salmon.	Salmon-trout.	Whitefish.
1877.....	750,000	1,300,000	1,000,000
1878.....	850,000	1,840,000	1,000,000
1879.....	350,000	1,265,000	1,200,000
	<u>1,950,000</u>	<u>4,405,000</u>	<u>4,200,000</u>

And from the Sandwich Hatchery upwards of *forty-eight millions* of young whitefish have been turned out during this same period of three years. No other kinds of fish except these just mentioned and the speckled trout have, as yet, been artificially reared in the Ontario hatchery.

It may also be mentioned that the distribution of the young salmon and other kinds of fish bred at Newcastle has not been confined to that immediate neighborhood nor to the waters of Lake Ontario alone, for they have been widely spread throughout other parts of Ontario and the Province of Quebec, reaching from the Saugeen River (entering Lake Huron) in the west, to the Magog Lakes, in the Eastern Townships; large deposits of fry have also been put in many of the interior or more northerly lakes and rivers of both Provinces; some have also been sent to the waters of Nova Scotia. In point of fact, the Newcastle Hatchery, besides being the principal fish-rearing nursery, has been the general experimental and distributing fish-breeding establishment of the Dominion.

Commercial traffic in the salmon of Lake Ontario, even in their most palmy days, never was carried on largely, from the fact that it was held to be almost impossible to catch them during the summer months in the open waters of the lake. A few enterprising fishermen, however, introduced the use of the trap or pound net which was found to be the only engine by which these fish could be taken; for a few years a considerable number were caught in this way. Serious objections were raised by the inhabitants against this mode of fishing, which culminated eventually in prohibiting the use of trap nets by legislative enactment. The great bulk of salmon taken in Ontario in former years (and they certainly

were destroyed in vast numbers), was by means of torch-light and spear, late in September and in October, in the various rivers and creeks into which they entered at this period of the year for spawning purposes. In this way, and at this time thousands upon thousands of these gravid salmon were annually killed by the settlers and other inhabitants, who always made it a point to secure their winter's supply of fish in this manner. The law then allowing them to be taken in the streams as late as the month of October.

By this unnatural mode of killing the salmon, regularly and systematically carried on since the first settlement of the country, these valuable fish became almost exterminated, so nearly was it the case that, during some years previous to 1868, scarcely any of them could be found in the tributary streams of Lake Ontario; but since that period, and since the introduction of the artificial method of re-producing them at the Newcastle Hatchery large numbers have been found entering not only the Newcastle Creek, but also many other rivers and streams emptying into Lake Ontario; considerable numbers have also been captured in the Lake during the early summer months by the very limited use of a few of the same old trap-nets formerly used.

In 1876-77 several hundreds of these salmon were thus netted during the months of June and July along the shore of the lake, immediately fronting the outlet of the stream upon which the Newcastle Salmon Nursery is established; and it was held by the fishermen engaged in the work that, in comparing the means adopted, and the few nets used in capturing these salmon, the numbers taken in these years were almost, if not, quite equal to the catch of former times, when these fish were considered most plentiful in Lake Ontario.

As previously stated, artificial fish-culture in Canada first began from experiments with the eggs of the salmon procured in a small stream in Ontario. From this small nucleus the present extensive operations in fish-culture throughout the whole Dominion have taken their growth. From it has been brought about the annual distribution of the many *millions* of the most important fishes of Ontario, namely, *salmon-trout* and *whitefish*, all of which could not otherwise have been brought into existence, as the ova would have been cast away as offal. From it has also sprung the *seven extensive salmon-breeding establishments* in the Provinces of Quebec, New Brunswick, Nova Scotia and Prince Edward Island. The commercial benefits arising from such of these which have been in operation for the past two years are already showing most gratifying results.

From these facts, then, it may not be unreasonably held that, in the original conception, together with the practical benefits which have already resulted from the enterprise of salmon-culture at Newcastle, in Ontario, even admitting (on the supposition only) that an extensive salmon-fishery may not yet have been established in Lake Ontario, both the Government and the people of this country will have been more than amply recompensed for the outlay invested in the encouragement and maintenance of this wealth producing industry.

It is a well-established fact that, although myriads of salmon are known to inhabit certain areas of the ocean, they are seldom or ever taken in the open sea. They are only captured on their inward migration to the rivers along the coast, and in the estuaries of their native streams. On some portions of the Atlantic coast where large rivers empty into the sea, these migrations take place principally during June and July; at the estuaries of these the salmon are sometimes netted in great numbers, but at other periods of the year they are not found either in these estuaries or along the adjacent coasts.

At other places in the Maritime Provinces where the rivers are found to be small in size, the migrations of the salmon up them does not take place till late in September and October, and in some localities as late as November. During the rest of the year they are not found at those points on the coast; they are roaming, no doubt, on their feeding grounds in the sea. By their instinctive nature, those which were bred in the shallow streams will not approach the shore till their native rivers have become sufficiently enlarged by the autumn rains for them to pass up

easily for re-productive purposes; whilst those which are natives of the larger rivers are alike instinctively led to commence their migrations from the sea at a much earlier period of the year, in order that they may have time to overcome the numerous obstacles they have to contend against when travelling to their spawning grounds in the upper branches of these long and rapid rivers.

This well-known natural habit of the migratory salmon will explain, in part, why it is that the salmon of Lake Ontario are not now (and never were) taken more numerous during the summer months, when in their best condition. For in like manner, as the salmon of the sea, natives of the smaller rivers do not approach the coast in any numbers till September and October, so, in like manner, taking Lake Ontario to be the sea for these Ontario salmon, and the creeks being very small—in fact, many of them quite dried up at certain seasons—these fish do not approach its shores till late in October and in November, and only then when these streams will have become sufficiently increased in size by the late fall rains. At this time they are not only instinctively led, but actually compelled by the requirements of nature to make an effort to enter them and deposit their eggs.

Hence, it may then be quite rationally concluded, is the cause of the comparatively speaking scarcity of salmon found along the shores of Lake Ontario during the summer months, or open season for netting them; yet it must be remarked that, during the last few years, when freshets have filled the Newcastle stream late in the fall, thousands of salmon are known to have entered for a few days only for immediate spawning purposes. The testimony of this fact may be given by hundreds of eye witnesses. This circumstance is not confined only to the Newcastle creek, as it noticeable in other streams also, but not in such large numbers.

The question naturally arises, how and when are these Ontario salmon to be caught, and whether they will ever become a commercial article of food. A similar question may be equally and tritely asked, how and where are those Atlantic salmon to be captured during the open season that are natives of many of the smaller rivers along the coasts of New Brunswick, Nova Scotia and P. E. Island, where they, in like manner as the Ontario Salmon, do not approach the coast in any numbers till very late in the autumn, and only during the close season? The simile is precisely the same in both cases.

A theory, however, is advanced by many with reference to the numbers of salmon fry bred in Ontario, which may be held to be somewhat tenable, namely: that these fish, impelled by their generally admitted natural tendency to migrate to salt water after arriving at their growth as smolts, pass instinctively down the St. Lawrence to the sea, where, after reaching maturity, many that have escaped their marine enemies, are captured on their returning journey in the wiers and other engines set like net work along the coast, leaving only the small remnant that may have escaped these difficulties to pass up into Lake Ontario to reproduce their species. If this be the case, and there appears to be a good deal of credibility in the statement, then the large number of salmon fry which are annually turned out of the Ontario nursery will have produced benefits which are more advantageous to the salmon fisheries in the lower St. Lawrence than those in Ontario.

It may not be out of place at this time to suggest the advisability of instituting some practical method by which the habitat of these Ontario salmon could be more definitely ascertained, and also establishing a plan by which they could be more largely netted in Lake Ontario during the open season, when they are in prime condition. In order to bring about this end, and to give it a degree of financial success, a considerable amount of capital must necessarily be expended by some person in getting up the requisite nets and other fishing material to make the trial. This outlay could not be reasonably expected to be incurred by fishermen, with the practice now adopted by the Department of granting season licenses from year to year. In this view of the matter, and to attain the end contemplated, it might be considered advisable for the Department to grant long leases for salmon stations on Lake Ontario covering a period of nine years. This lengthened term would, in all probability, induce some fishermen to invest sufficient capital to fit out nets and

other apparatus suitable for such an undertaking, whereas, under the present regulations, no person will be found willing to enter upon a work requiring considerable outlay, and which, under all the circumstances, must be held to be somewhat precarious in its character.

Having suggested to your Department on several previous occasions the views held by me of the expediency and the necessity that existed for encouraging this venture of salmon fishing in Lake Ontario, both in the use of such description of nets as might be found best to make the trial, and by giving station licenses covering a period of many years, it is now urged again, in order that capitalists or others engaged in fishing may be induced to invest means, and put forth their energies with hopes of ultimate success in the enterprise. For, under the present system of season licenses to fish for salmon, no person will be found to engage in the work except in some small and inefficient way, which must prove alike unsatisfactory to themselves and to your Department.

In treating upon the subject of Ontario salmon and their mode of capture, I beg to submit for your consideration the annexed letter from J. J. Robson, Esq., which was sent to your Commissioner by that gentleman in February, 1879, as touching very intelligently on the matter under consideration.

Respectfully submitted,

SAMUEL WILMOT.

NEWCASTLE, ONTARIO, 17th February, 1879.

MY DEAR SIR,—As I know from the conversation I had with you when in Ottawa, a fortnight ago, you will not consider it a piece of impertinence on my part if I take the liberty of addressing you on the subject of the artificial propagation of fish, which the Government of the Dominion have been for some years engaged in in this vicinity.

I caught salmon and trout in large numbers in the stream on which the Government Fish Hatchery is established in my boyhood, forty years ago, and have resided within two miles of said stream ever since, and being an ardent disciple of Isaac Walton, have for many years deplored the gradual extermination of fish, which was taking place not only therein, but in all the surrounding streams. Well do I remember when our friend Wilmot commenced his experiment some ten years since, at which time his total catch of salmon for propagating purposes during the spawning season of that year was, I think, five or six, the ova from which Mr. Wilmot hatched in his cellar, and turned out into the creek in June following, since which time no year has passed without my having often visited the stream during the spawning season, and have been delighted to see the marked increase of adult salmon which have year after year entered it, and I am satisfied I do not exaggerate when I say that in October last there were at one time, between the Government Fish House and the lake, a distance of less than two miles, three thousand salmon weighing from three to twenty pounds each. I would further state that from information I have received from persons living in other parts of Ontario, that there is hardly a stream between Brighton and Hamilton into which more or less salmon did not come during last autumn.

Many persons are of the opinion that more fish can be produced by watching the creeks during the spawning season, and thereby preventing poaching, and allow the fish to deposit their ova naturally than by Mr. Wilmot's process. With this opinion I do not agree for the following reasons :

The spawning season commences about the first day of October, and ends about the last of November. It is a well-established fact that salmon invariably deposit their ova in the gravel in swift water. We will suppose the first run of fish in October do so, during every rain storm thereafter, until the end of the season, more or less

salmon enter from the lake, which following their natural instincts do likewise, thereby disturbing the ova previously deposited, and as chub and other fish are constantly on the lookout for food, a very large proportion thereof is destroyed. Again, during the winter months it frequently happens that the creek becomes as low as during the summer, and the places where the beds are become exposed to the air, and the ova is frozen, which, of course, destroys it. Again, the spring floods coming on in March, a month before the young fish are hatched, in many places uncovers the ova, which is washed away and eaten by other fish, and in other places washes the gravel so deep on the beds that, although the hatching may take place, it is impossible for the young fish ever to reach the surface. But the greatest objection I have to the natural mode of hatching is this: you are aware that for some weeks after hatching, the young fish are encumbered with an abdominal sac, which is gradually absorbed into the system, and that during that period their powers of locomotion are very imperfect, in fact they are quite unable to get out of the way of any other fish wishing to make a meal off them, and, consequently, a very large percentage are then destroyed, whereas if they are taken care of until June, in the boxes made by Mr. Wilmot for that purpose, they are quite able to take care of themselves.

Having, I think, satisfactorily shown the artificial hatching of salmon is a success, the question arises, how is it so few fish are caught, and when is the country to receive any return for the large sums yearly expended by the Fishery Department? You may reply: We have produced the fish, but it rests with private enterprise to initiate some method to catch them. This may be all correct, but it will not satisfy the people who pay the taxes.

Now, my idea is, that the attempts so far made to catch the fish have not been sufficiently thorough. I well remember when the late Mr. Strowger carried on fishing at this place, between twenty and thirty years ago, the large quantity of salmon he then caught; but he commenced fishing early in May, and continued the work until October, whereas, of late years, the nets have been set about the 1st of July and taken up on the 10th of August. When Mr. Wilmot left for the lower provinces last year, he asked me to superintend the fishing of the nets for him, and as I take a great interest in the matter, I consented to do so, although, as my services were gratuitous, my name does not appear in the list of officials. I see by referring to my diary, the fishing was commenced on the 1st day of July, from which date, until the 10th of August, I examined the nets daily.

I am satisfied more fish can be caught during the months of May and June than at any other time until September, when they return to the shore seeking an entrance to the streams for the purpose of spawning, at which time catching them is very properly prohibited. My reasons for forming these opinions are these, and are from personal observation:—I have noticed that during still weather, and when the water in the lake is clear and warm, no fish of any kind are near the shore for days at a time, but that shoals of herring can be seen on the surface at a distance out in the lake; but no sooner does a breeze come on sufficiently heavy to stir up and discolor the water, than salmon and other fish are certain to be caught. Now, as during the two former months, these breezes are of almost daily occurrence, whilst July and August are noted as still months, I think I am justified in the opinion that the best part of the season has been heretofore over before the fishing was commenced.

As I took a herring eight inches long out of the stomach of a salmon last July, I am satisfied they feed on those fish during the summer, and one reason of the small number caught, I think, is that the shoals of herring do not, as formerly, come so near the shore; this to a great extent arises from the fact of the gravel which formerly composed the bottom of the lake, almost to the shore, having of late years been gradually covered with sand, and as the insects on which the small fish feed are always found on beds of gravel, and never on sand, they have had to find other feeding ground further out in the lake, and the salmon following them have consequently not come within reach of the nets.

As I noticed last summer that a considerable proportion of the salmon caught were gilled in the leaders of the nets, I would suggest that an experiment be made with a piece of gill-net which, commencing at the shore, should run out into the lake, say for half a mile, varying in depth, so as to fish from top to bottom of the water the whole distance, the expense would be small, and I do think the result would be satisfactory. Whilst on the subject of nets I would say that extensive repairs are absolutely necessary on those the Department have here, as the points into which the fish have to be driven before taking them out have become so rotten as to be utterly unfit to hold a salmon. During last season quite as many fish went through the nets and escaped as were caught.

Hoping I have not wearied you with my lengthy remarks,

I remain, very truly yours,

JOHN J. ROBSON.

W. F. WHITCHER, Esq., Commissioner of Fisheries, Ottawa.