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SESSIONAL PAPERS

VOLUME 6.

THIRD SESSION OF THE FOURTH PARLIAMENT

OF THE

DOMINION OF CANADA.

SESSION 1880-81.



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No. 121... St. VINCENT DE PAUL PENITENTIARY:—Return to Address; Correspondence respecting the management and administration of the St. Vincent de Paul Penitentiary, since the 1st January, 1880. (Not printed.) No. 122... Point St. Pierre Les Becquets:—Return to Order; Documents relating to improvements to be made on the Shoals of the St. Lawrence, off Point St. Pierre les Becquets, and of the Reports of the Government Engineers in relation to the said Works. (Not printed.)

No. 123... British Canadian Investment Company (Limited), on the British Canadian Loan and Investment Company (Limited), on the 31st December, 1879, in compliance with the Act 43 Vict, cap. 43. (Not printed.) No. 124.. Chaudiere Railway Bridge:—Return to Order; Statement showing the value for Duty at which the Iron for the construction of the Chaudiere Railway Bridge was entered, the addition made to said value by the Appraiser or Collector at the Port of Ottawa, the names of the Merchant Appraisers appointed under Sec. 45, cap. 10, 40th Vict., to whom the final appraisement was referred. (This return also covers the Return to Order of 20th December last; for correspondence relative to the seizure or appraisement of the Bridge Iron for the Chaudière Railway Bridge, and the results of such appraisements, if any.) No. 125. Window Shade Cloth:—Return to Order; showing the number of yards of Oil-finished Window Shade Cloth imported into Canada during the last twelve months, and the total value of the same. (Not printed.) No. 126. Post Office, Prescott:—Return to Address; Correspondence connected with the removal of the l'ost Office in Prescott to the Town Hall. (Not printed.) No. 127. CASCUMPEC HARBOUR:—Return to Order; Engineer's Report of Survey made at Cascumpec Harbour, Prince County, Prince Edward Island, during the summer of 1880, with a view to improving said Harbour. VANKLEEK HILL, POSTMASTER:—Return to Order; Correspondence in relation to the dismissal of Duncan McDonell, late Postmaster of Vankleek Hill, in the County No. 228. of Prescott; and correspondence with one McLaurin, the present Post-master of Vankleek Hill, respecting his appointment to the said office. (Not printed.) No. 129.. Yamaska River:—Return to Order; Report of the Engineer who, in 1880, conducted the Exploratory Surveys of the River Yamaska, from its mouth up to La Belle Pointe, in the Counties of Bagot and St. Hyacinthe. (Not printed.) No. 130... LAKE ERIE, SURVEYS:—Return to Order; Reports of Surveys for Harbors made by the late

John Lindsay, Esq., C.E., on the North Shore of Lake Erie, between

Point Pelée Reef and the mouth of the Detroit River. (Not printed.) No. 131. Burlington Bay Canal Swing Bridge:-Return to Address; Order in Council regulating the working of the Railway Swing Bridge crossing Burlington Bay Canal. (Not printed.) No. 132.. Post Office Orders:—Return to Order; Showing the amount of money sent by Post Office Orders to Great Britain and Ireland and the United States, during the past year 1880, and the cost of the same. (Not printed.) No. 133. Boston, Winter Port:—Return to Order; Correspondence between the Postmaster General and the owners or agents of the Allan Line of Steamers relative to the selection by them of the Port of Boston, as their terminal Winter Port, or in any way connected therewith. (Not printed.) No. 134. FISH-BREEDING, NEWCASTLE:—Return to Order; Showing the cost of maintaining the Fish-Breeding establishment, at, or near Newcastle, Ontario, for the year 1876, and for each year since, including the year 1880. (Not printed.) No. 135... Post Office, Dominion City:—Return to Order; Evidence taken before the Deputy Postmaster of Winnipeg in the course of the present year, with reference to the grave complaints made against the management of the Post Office at Dominion City; also copy of the Report of the said officer. (This Return contains the information required by a similar Order of The House of the 21st February, last.) (Not printed.)

No. 136.. TOBONTO HARBOR:—Return to Order; Report made by Government Engineers respecting works in the Harbor of Toronto, since 1st January, 1880. (Not

printed.)

No. 23n	CANADIAN PACIFIC RAILWAY:—Return of Telegrams respecting deposits held on account of the new offer for the construction of the Canadian Pacific Railway.
No. 23o	Return to Order; Information on which the Government based their judgment in accepting the Union Pacific Railway, as the same was when first constructed, as the standard regulating the quality and character of the proposed Canadian Pacific Railway, its materials and equipment, and of any detailed estimate which has been made by any Officer of the Government as to the cost of the works under progress and to be constructed by the Government, and of those to be constructed by the projected Company, according to such standard.
No. 23ρ	Return to Address; Copy of the Order in Council, passed in or before the year 1873, fixing Esquimalt as the Western Terminus of the Canadian Pacific Railway. (Not printed.)
No. 23q.	Return to Address; Correspondence between the Government and the proprietors of the Haggas Patent Water Elevator for Locomotives, which was furnished to the Government on the first Section of the Canadian Pacific Railway, West of Thunder Bay, last year. (Not printed.)
No. 23r	Return to Address; Memoranda and Orders in Council relating to the with- drawsl of Sandford Fleming, from the position of Chief Engineer of the Canadian Pacific Railway. (Not printed.)
No. 235	Return to Order; Statement of the quantity and value of the irou for bridging on the Canadian Pacific Railway, from Selkirk to Kamloops, and information as to the number, length and character of the bridges. (Not printed.)
No. 23t.	Return to Order; Correspondence respecting the claim of C. Horetzky, for nigher compensation than he has received for his services in exploring the region between the Skeena and Peace Rivers, in the year 1879. (Not printed.)
No. 23u	Communication from Mr. C. Drinkwater, Secretary of the C. P. R. Co., dated Montreal, 25th February, 1881, transmitting an extract from the minutes of the first meeting of the Directors, having reference to the proposed agreement between the Government and the Company, on the subject of running powers over a portion of the C. P. R. to Callander Station, etc.
No. 23v	Statement of amounts required for the Pembina Branch of the Canadian Pacific Railway.
No. 24	RECEIPTS AND EXPENDITURE:—In detail, of the Dominion of Canada, for the six months ending the 31st January, 1881.
No. 25	SUPERANNUATION: - Statement of allowances and gratuities under the Act 33 Vic., cap. 4.
No. 26	Sugars:—Return to Order; showing the quantities of Sugars sent over the Intercolonial Railroad from Halifax to all other places in the Dominion in the years ending December 31st, 1878, and in March 11th, 1880, and the rates of freight, &c.
No. 27	Banks:—List of shareholders of the several Banks of the Dominion of Canada. (Not printed.)
No. 28	CENSUS:—Report of work done and moneys expended on account of the forthcoming census. (Not printed.)
No. 29	LACHINE CANAL:—Return to Order; Correspondence of Engineers, in relation to the accident which has recently occurred in Section No. 11 of the Lachine Canal, now under contract. (Not printed.)
No. 30	Bonds and Securities:—Statement of all Bonds or Securities registered in the Department of the Secretary of State of Canada. (Not printed.)
No. 31	TOBACCO, CANADIAN:—Return to Order, Statement showing the names and places of residence of all persons who, since 1st May, 1880, obtained licenses for the manufacture of tobacco cultivated in Canada. (Not printed.)
No. 31a.	Return to Order; showing the amount of Inland Revenue collected for Canadian grown tobacco, for the year ending 31st December, 1886. (Not printed.)

No. 32	GEOLOGICAL SURVEY: Report of Progress of the Geological Survey of Canada, by Alfred R. C. Selwyn, F.R.S., F.G.S., Director, for the year 1878-79. (Not re-printed for Sessional Papers)
No. 33	Wilson, Major C.:—Return to Order; Correspondence between Major C. Wilson, and the Militia Department, in reference to a Return of certain Duties paid upon Rifles imported for the use of the Rifle Association of the 32rd Battalion. (Not printed.)
No. 34	RONDEAU, HARBOR OF REFUGE:—Return to Order; showing the names of parties who tendered to perform the work advertised during the present year in connection with the improvement of the Harbor of Refuge at Rondeau. (Not printed.)
No. 35	Dominion Statutes: -Official Return of the distribution of the Dominion Statutes of Canada, being 43rd Victoria, Second Session of the Fourth Parliament, 1880. (Not printed.)
No. 36	INTERCOLONIAL RAILWAY: —Return to Order; Correspondence relating to the claims of Mr. Patrick Ultican, of Beliedune, Restigouche, for damages to his farm occasioned by overflow of water, in connection with the Intercolonial Railway. (Not printed.)
No. 36a	Return to Order; Correspondence relating to the selling of Hay through King's County, in the Province of New Brunswick, on the Intercolonial Railway. (Not printed.)
No. 36b	Return to Order; Correspondence and Award of — Simard, Esquire, Official Arbitrator in the case of Lucien Morin, Antille, and several others of the Parish of St. Roch-des-Aulnets, County of L'Islet, claiming damages from the Government on account of borrowing pits for the use of the Intercolonial Railway. (Not printed.)
No. 36c	Return to Order; Copies of the notices respecting the sale of hay alongside the track of the intercolonial Railway, and the names of the tenderers, &c. (Not printed.)
No. 36 <i>d.,</i>	Return to Order; Papers and accounts relating to a claim made by G. A. Gironard, for an alleged delivery of sleepers on the Intercolonial Railway, on which a payment of \$2,640 appears to have been made by Special Warrant.
No. 36e	Return to Order; Instructions given to Collingwood Schreiber, Esq., C. E. since 10th October, 1878, on the subject of enquiries made or to be made by him, against certain persons employed on the Northern Division of the lutercolonial Railway; also, on the subject of resignations and dismissals of persons employed on the same division of the Railway, &c. (Not printed.)
No. 36f	Return (in part) to Order; Statement showing the names of the severa persons employed on the Intercolonial Railway, in Quebec, New Brunswick and Nova Scotia; their ages, nationalities and religious faith; their residence and the present amount of their yearly salary, &c. and the names of those who have ceased to be employed on the railway since the 18th October, 1878. (Not printe:.)
No. 36g	Return to Order; Award of Dominion Arbitrators on a claim of one Alex ander Forbes, for fencing on the Intercolonial Railway, on which a pay ment of \$172.18 appears to have been made by Special Warrant. (No printed.)
No. 36h.	Return to Order; Contract between the Government and Denis Coholan dated 18th January, 1877, with that part of the specification relating to the size and number of scows employed with the dredges operating a the Deep-water Terminus of the Intercolonial Railway, St. John, N.B. (Not printed.)
No. 36i.	Return to Order; Copy of the contract for fencing entered into by Thoma B. Smith, on the Intercolonial Railway, in 1871-1872, in which a pay ment has been made of \$1,894.50 by Special Warrant. (Not printed.)
No. 36j	Return to Order; Return of the contracts made since February, 1877, for dredging at the Deep-water Terminus of the Intercolonial Railway, St John, N.B. (Not printed.)

No. 36k. INTE	RECOLONIAL RAILWAY:—Return to Order; Report of the Survey made in 1880, with a view to the construction of a branch of the Intercolonial Railway to lead by way of St. Michael or St. Charles to the terminus at St. Joseph de Lévis. (Not printed.)
No. 362.	Return to Order; Showing the claims of contractors and others, arising out of the construction of the Intercolonial Railroad, made or reported upon since the Report dated November 27th, 1880, made by F. Shanly, Esq.
No. 36m.	Return to Address; Orders in Council respecting the claims of contractor on the Intercolonial Railway, since January 1st, 1880; also, for all in structions issued to Mr. Shanly respecting the same.
No. 36n	Return to Order; Statement showing the amount and character of the various claims made by contractors on the Intercolonial Railway since it completion; the cases in which a settlement was obtained; also, the Report of Mr. Sandford Fleming, Mr. C. Schreiber and Mr. Brydges in each case.
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l	KHILL POST OFFICE:—Return to Order; Evidence taken before the Post Office Inspector in the course of the present year, with reference to the affairs of the Post Office at Parkhill. (Not printed.)
No. 38 Pici	RLED FISH, RETURNS OF:—Return to Order; Returns furnished the Department of Inlan Revenue for the present year by the Inspector or Deputy Inspectors of Pickled Fish, for the County of Shelburne, together with a Statement of the fees collected by the said officers. (Not printed.)
No. 39 Wei	IGHTS AND MEASURES, APPOINTMENTS AND DISMISSALS:—Return to Order'; Appointments of dismissals made under the Weights and Measures Act, from the 1st da of July, 1879, to date, and the causes of such dismissals, if any; and the receipts and expenditures under the said Act.
No. 39a	Return to Order; Correspondence relating to the claim of Théotime Blachard, late Inspector of Weights and Measures for the Counties Gloucester and Restigouche, N.B., for the payment to him of the portion of his salary withheld as his contribution to the Superannuation Function (Not printed.)
No. 39b	Return to Order; Charges made against Horatio N. Tabb, formerly Deput Inspector of Weights and Measures, of the evidence taken on the enquiry into such charges, and of the finding of the officer who made such enquiry. (Not printed.)
No. 39c.	Return to Order; Showing the Revenue derived from the Weights an Measures Branch of the Inland Revenue Department, and the expenditure also, accounts in detail of all Instruments purchased for the use of the Weights and Measures Department, and of the expenses, on two occasion to England, of the Commissioner of Inland Revenue. (Not printed.)
	N AND GOLD ORE:—Return to Order; Iron Ore and Gold Ore exported from Belleville of the County of Hastings, during the last year. (Not printed.)
No. 41 CA1	FTLE EXPORTED:—Return to Order; Comparative Statement of Cattle and Sheep exported from Canada to England, during the years 1879 and 1880.
No. 42 Tim	Canada and the Government of Quebec, in reference to the Timb Limits north of the boundary of Quebec. (Not printed.)
1	REPRINGS, INSPECTION FEE:—Return to Order; Correspondence between the Inlanguage Revenue Department and the Chamber of Commerce of Halifax, on the Subject of the inspection fee on Smoked Harrings. (Not printed.)
No. 44 LA	Or Guides, N. W. Territories:—Return to Address: Showing the names and nationali of all the Government Land Guides in the Province of Manitoba at the North-West Territories, the salary or allowance paid to each, as Statement of all costs and expenses connected with this branch of the Public Service.

No. 45	MOUNTED POLICE Supplies:—Return to Order; Advertisements for Tenders for Mounted Police and Indian Supplies, together with all Tenders made in response to said Advertisements. (Not printed.)
No. 46	Supreme and Exchequer Courts:—Return to Address: Statements showing all Judgments rendered by the Supreme and Exchequer Courts since the 1st day of January last, the amount of claim and costs in each suit, and the amount of fees paid to the Registrar in each suit.
No. 47	LAVAL UNIVERSITY:—Return to Address; Correspondence and Memorandum from the Honorable the Minister of Justice to the Honorable Secretary for the Colonies, concerning the amendment to the Royal Charter granted to Laval University of Quebec, from January, 1879, up to this date.
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No. 48	THAMES RIVER:—Return to Order; Reports of Surveys made since last Session of the River Thames, from Chatham to the City of London, with the view to the improvement of the Navigation of that River. (Not printed.)
No. 49	ISLAND RAILWAY, B.C.:—Return to Address; Correspondence with the Government of British Columbia, or with any persons in that Province, respecting the Island Railway. (Not printed.)
No. 50	WRECKING, INLAND WATERS:—Return to Address; Correspondence between Sir Edward Thornton and the Secretary of State for the United States, relative to wrecking and towing in Inland waters.
No. 51	LOCOMOTIVES PURCHASED:—Return to Order; Showing the number of Locomotives, or other Railway rolling stock, purchased by the Government under contract or otherwise during the year; the places where they were manufactured and purchased, and the prices paid.
No. 52	TRENT VALLEY CANAL:—Return to Order; Correspondence between parties in Chicago and the Department of Public Works, or of Railways and Canals, respecting constructing the Trent Valley Canal. (Not printed.)
No. 53	SHELBURNE FISHERY OFFICER:—Return to Order; Return of all fines imposed by the Fishery Officer of the County of Shelburne, upon whom, and for what offence. (Not printed)
No. 54	FISHERIES, STATISTICS OF:—Return to Order; Instructions issued by the Department of Marine and Fisheries to their officers, as a guide in the collection of statistics as to the annual production of the Fisheries. (Not printed.)
No. 55	JUDGES' RETIRING ALLOWANCES:—Return to Address; Statement of the Number of Judge- ships in each Province, at the time of the Union of such Province with Oanada, the incumbents of which were entitled in certain events to re- tiring allowances; and the number actually receiving such retiring al lowances at such time; and a like statement for each year since Oon- federation.
No. 56.	JUDICIAL WORK, QUEERO:—Return to Address; Correspondence on the subject of the distribution of the judicial work of the Province of Quebec.
No. 57.	LUARD, MAJOR GENERAL:—Return to Address; Correspondence with the Imperial Government in relation to the appointment of Major General Luard as the office in command of the Militia of Canada. (Not printed.)
No. 58,	WILLIAMSBURGH CANAL:—Return to Order; Engineer's Report on the cost of increasing the water-power of the Williamsburgh Canal. (Not printed.)
No. 59.	WHEAT, GRINDING IN BOND:—Return to Address; Copies of all Orders in Council and Depart mental Regulations for the grinding of Wheat in bond in the Dominion of Canada, since the 14th March, 1879.
No. 59	Return to Order; Showing the names of all parties who have imported

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No. 61 GRAI	RATES via Halifax:—Return to Order; Correspondence relating t freight for Grain to England via Halifax, or touching in a question of the transportation of Grain, etc., over the nial Railway and by steamship from the Port of Halifa. Britain.	Intercol
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No. 70a	Supplementary Return to Order; Report of A. J. Light, Esq., Chief of the Province of Quebec, relating to the railway fro	ın Quebec
	I. RAILWAY ACCIDENT:—Return to Address (Senate); Correspondence having an accident which occurred during the month of August last, York and Suffolk Stations of the P. E. I. Railroad. Also, the number of new sleepers or ties used on the said railw occurrence of the accident referred to, together with cost of	greference, between the a Return ay since the same. (N
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No. 73 BOUNDARIES, ONTARIO AND QUEBEC:—Return to Address; Correspondence between the Government of the Dominion and the Imperial Government, on matter relating to the Boundaries of the Provinces of Ontario and Quebec. (No printed.)
No. 74 St. Francis River: —Return to Order; Report of the Engineer who, in 1889, conducted the exploratory surveys of the River St. Frances, in the County of Yamask (Not printed.)
No. 75 Paris Exhibition:—Return to Order; Report of the Canadian Commissioners appointed connection with the Paris Exhibition.
No. 75a Return to Order; Showing the names &c., of all persons appointed by the Dominion Government as Commissioners, &c., in connection with the Canadian Exhibit at the Paris Exposition, held in the year 1878; als Statement of all moneys paid for salary of each, and for expenses living, &c.
No. 76 IRELAND, Relief of:—Return to Address; Correspondence respecting the expenditure of the sum of One hundred thousand dollars, voted by the Cahadian Parliame last Session, for the relief of those in Ireland who were threatened I famine.
No. 77 Baptisms, Marriages and Burials:—General Statement of, for certain Districts in the Pr vince of Quebec, for the year 1880. (Not printed.)
No. 78 FRENCH TRANSLATORS:—Return showing the names of all persons employed as permanent at sessional French Translators of the House of Commons, from the I January, 1874, to the 1st February, instant, with the salary or wages each of them respectively. (Not printed.)
No. 78a Statement showing the names of all persons employed as additional Fren Translators of the House of Commons, translating by page, during t last Session of the Dominion Parliament. (Not printed.)
No. 78b. Return to Order; Correspondence in relation to the sub-division of the Department or Office of French Translators, with a view to having a special office for the translation of the Laws of Canada. (Not printed.)
No. 79 Police Magistrates:—Return to Address; Correspondence relating to the rights of t Provincial Governments to appoint Police Magistrates, Justices of t Peace, and Inspectors of Licences. (Not printed.)
No. 80 RECEIPTS AND PAYMENTS:—Statement of receipts and payments from the 1st to the 10th February, 1881, and from the 1st July, 1880, to the 10th February, 18 (Not printed.)
No. 81 Lower Lightship, Traverse:—Return to Order; Correspondence respecting the contract all the wood furnished to the Department of Marine, for the use of the Lower Lightship in the Traverse, during the past summer, and the propaid for this wood, &c. (Not printed.)
No. 82 LUARD, MAJOR-GENERAL:—Return to Address; Correspondence relating to the appointme of Major-General Luard; together with copies of all complaints in region to the administration of Militia affairs by the said Luard. (Not printe
No. 83 SILVER ORE:—Return to Order; Return of the number of tons of Silver Ore exported fr Ontario during the past five financial years. (Not printed.)
No. 84 Wreckage in Canadian Waters:—Return to Address; Copies of all the evidence collectin regard to Wreckage in Canadian waters, particularly on the shores Lakes Erie, Ontario and Huron, and Rivers St. Clair and Detroit, and the money expended and to whom paid for collecting the same. (Apprinted.)
No. 85 INDIANS, N.W. TERRITORIES:—Return to Order; Statement] shewing in what pa of the North-West Territories there has been a total failure of the us supply of the food on which the Indians subsist, and how many Indian consequence have been dependent upon the Indian Department the means of subsistence. (Not printed.)
No. 85a. Return to Order; Correspondence relating to the dismissal of any Ind Agent or other officer connected with the management of Indian affer in the North-West Territories. (Not printed.)

No. 856.	Return to Order; Statement showing what progress has been made in surveying Indian Reserves under the Indian Act of 1880. (Not printed.)
No. 85c.	Return to Order; Showing the name and nationality of each of the instructors to the Indians in the Territories of Canada; the salary or allowance paid to each, and a Statement of all expenses connected with the instruction of said Indians. (Not printed.)
	Timber Limits, N.W. Territories:—Return to Address; Return of the several Timber Limits granted to parties in the North-West Territories and Keewatin, and the names of those to whom they were granted.
No 87	Dominion Surveyors:—Return to Order; Statement showing the names of the several Dominion Surveyors employed between the year 1873 and the 15th December, 1880, on Surveys of Public Lands elsewhere than in their respective Provinces; their ages, &c., the amount of their salaries, together with a summary showing, by Provinces and nationalities, the number of Surveyors now working in British Columbia, Manitoba and the North-West. (Not printed.)
No. 88	ESTIMATES, DEPT. INTERIOR AND INDIAN AFFAIRS:—Estimate of amounts required for 1881-82 for the Department of the Interior,—and the same for the Department of Indian Affairs.
No. 89	FRENCH SHIPPING BOUNTIES BILL:—Return to Address; Correspondence relating to the French Shipping Bounties Bill, which has passed the Chamber of Deputies, and is now under the consideration of the French Senate. (Not printed.)
No. 90	Tuck, S. P.:—Correspondence in reference to the unpaid liabilities for labor and materials of S. P. Tuck as contractor for the enlargement of St. Peter's Canal, Cape Breton. (Not printed.)
No. 91,	EEAUHARNOIS CANAL:—Return to Order; Statement shewing the date of the appointment of Thomas Brossoit, surnamed Bourguignon, as Paymaster and Collector on the Beauharnois Canal, and the amount of his contingent expenses. (Not printed.)
No. 91a.	Return to Order; Copies of all leases granted to any persons for the use of waterpowers, and for certain privileges in relation to the construction of wharves or warehouses on the Beauharnois Canal. (Not printed.)
No. 916.	Return to Order; Report of H. Parent, Engineer, relative to the change of bridge across the lock on the Beauharnois Canal, at Valleyfield. (Not printed.)
No. 91c.	Return to Order; Report of H. Parent, Engineer, relative to the lease of certain land on the north shore of the Beauharnois Canal, at Valleyfield. (Not printed.)
No. 91d.	Return to Order; Return of the tolls collected each year on the Beauharnois Canal, since 1872, up to the present time. (Not printed)
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No. 92	NEW CARLISLE HARBON: - Return to Order; Report of the Engineer who conducted the survey
No. 93	RESTIGOTCHE FERRY:—Return to Order; Correspondence in relation to the issue of a license to Mr. James Quinu, to keep the Ferry on the River Restigouche, between Cross Point, in the Province of Quebec, and Campbellton, in the Province of New Brunswick. (Not printed.)
	MONTREAL REGISTRY OFFICE:—Correspondence since the 1st January, 1875, relative to the division of the Montreal Registry Office, and the consequent claim of G. H. Ryland, Esquire, under the arrangement entered into with him by Her Majesty's Lord High Commissioner, on the part of the Imperia
No. 940	Supplementary Return to Address; Correspondence between the Imperial the Dominion and Quebec Governments, respectively, since 1st January 18:5, relative to the division of the Montreal Registry Office, and the consequent claim of G. H. Ryland, Esquire. (Not printed for Sessional Papers.)

No. 95	NORTH SHORE MAILS:—Return to Order; Correspondence connected with the letting of the last contract for carrying the North Shore Mails between Little Current and Sault Ste. Marie. (Not printed.)
No. 96	LESURUE, Mr.—Return and Supplementary Return to Order; Reports relating to the super- annuation of Mr. LeSueur, formerly of the Post Office Department. (Not printed)
No. 97	DOMINION POLICE;—Statement of Expenditure of the Dominion Police during the year 1880, in accordance with the Act 31 Vict., cap. 73, sec. 6. (Not printed.)
No. 98	HEALTH LEGISLATION: Return to Address; Copies of all Resolutions from Medical Conventions asking for Health Legislation.
No. 99	FISHING LICENSES, LAKES HURON AND SUPERIOR:—Return to Order; Licenses granted for fishing grounds on Lakes Huron and Superior within the past two years. (Not printed.)
No. 99a	Return to Order; Correspondence in relation to Licenses grauted for fishing grounds, within the past four years, at and in the vicinity of Killarney, in the District of Algoma. (Not printed.)
No. 100	SHIPPEGAN, N.B., BREAKWATER: —Return to Order; Reports of Engineers, or others, respecting the repairs made on the Dam or Breakwater at Shippegan, N.B., in the year 1880. (Not printed.)
No. 101	MILITARY COLLEGE GRADUATES:—Return to Order; Statement of the names of the Graduates of the Military College holding First and Second Class Certificates obtained in the last Annual Examination; those who have gone into the British Army; those who have been employed by the British Government, and those who have left Canada for the United States. (Not printed.)
No. 102.	CAPE TORMENTINE AND CAPE TRAVERSE RAILWAYS:—Return to Order; Correspondence during the past two years in reference to building lines of Railway from the Intercolonial Railway to Cape Tormentine, in Westmoreland County, and from Cape Traverse, in Prince Edward Island, to the Prince Edward Island Railway. (Not printed.)
No. 103.	CENSUS:—Return to Order; Statement as to the number of persons counted during the last Census, though absent from the place in which they were counted; distinguishing by Provinces, and also between those said to be absent; a Statement of the means, if any, to be taken during the next Census, to secure the suggested information. (Not printed.)
No. 103a	Return to Order; List of the names of persons appointed to take the next Census, giving the office held by each, and the District for which he is appointed. (Not printed.)
No. 1038	Return to Order; Copies of all written instructions and forms prepared for the use of any of the officers engaged in taking the Census of 1871, and the like information in connection with the Census for 1881. (Not printed.)
No, 104.	Halifax Commission:—Return to Address; Correspondence between His Excellency and Prof. Henry Y. Hind, in reference to alleged inaccurate Statistics, submitted to the "Halifax Commission," appointed under the Washington Treaty. (Not printed.)
No. 104	Correspondence respecting the alleged falsification of some of the Statistics submitted, as part of the English case, to the Fishery Commission which sat at Halifax in 1877; also, Report by the Commissioner of Fisheries, with reference to such alleged falsification. (Not printed.)
No. 105	N. W. TERRITORIES, NEW NAMES:—Return to Order; Correspondence relating to the substitution of new names for ancient and historic ones, in the North-West Territories, more especially along the route of the Pacific Railway. (Not printed.)
No. 106	SQUATTERS, POINT PELÉE REEF:—Return to Order; Correspondence respecting the rights of Squatters on the Naval Reserve on Point Pelée Reef, in the County of Essex. (Not printed.)

No. 107. Advertising and Subscriptions:—Return to Order; Monthly Statement of the amount expended during the years 1878 and 1879, in advertising on behalf of the Government. (Not printed.)

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	Immigrants, Manitoba:—Return to Order; Statement of the number of immi have gone into Manitoba and the North-West Territories; ending October 31st, 1880; the number who have purchased number who have taken homesteads and pre-emption right number of acres sold. (Not printed.)	lands; the
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No. 131.	Bublington Bay Canal Swing Bridge:—Return to Address; Order in Council regulating the working of the Railway Swing Bridge crossing Burlington Bay Canal. (Not printed.)
No. 132	Post Office Orders:—Return to Order; Showing the amount of money sent by Post Office Orders to Great Britain and Ireland and the United States, during the past year 1880, and the cost of the same. (Not printed.)
No. 133	Boston, Winter Port:—Return to Order; Correspondence between the Postmaster General and the owners or agents of the Allan Line of Steamers relative to the selection by them of the Port of Boston, as their terminal Winter Port, or in any way connected therewith. (Not printed.)
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No. 136	TOBONTO HABBOR:—Return to Order; Report made by Government Engineers respecting works in the Harbor of Toronto, since 1st January, 1880. (No printed.)

- No. 137..NICOLET RIVER:--Return to Order; Correspondence in relation to the deepening of the River Nicolet, and a Harbor Refuge at the entrance of that river. (Not printed).
- No. 138. Souris, West, Breakwater: Return to Order; Correspondence and Report of Engineers in relation to the construction of a Breakwater and Breastwork at Souris, West, in King's County, Prince Edward Island. (Not printed.)
- No. 139.. Esquimalt and Nanaimo Railway:—Return to Order; Reports made by Mr. J. W. Trutch respecting a Railway between Esquimalt and Nanaimo, and between Emory and Burrard Inlet. (Not printed.)
- No. 140..Lislois, Joseph C.:—Return to Address; Correspondence between the Government and Mr.

 Joseph Charles Lislois, in relation to the claim made by the latter for the destruction of one of his buildings by fire, and of the Report of the Official Arbitrator. (Not printed.)
- No. 141. Better Adminstration of Justice Act, 1878:—Return to Address; Correspondence between the Dominion Government and the Provincial Government of British Columbia, and between the Supreme Court Judge of British Columbia and the Local and Dominion Governments, on the "Better Administration of Justice Act, 1878," and the Judicature Act, 1879," both passed by the Local Legislature, together with the official protest of the said Judges against the allowance of those Acts. (Not printed.)
- No. 142..Q. M. O. & O. R., Purchass of:—Return to Address; Correspondence between the Government and the Provincial Government of Quebec, concerning the purchase by the Dominion of Canada, of the Quebec, Montreal, Ottawa and Occidental Railway, or the subsidizing of the same. (Not printed.)
- No. 143. Port Hood Wharf:—Return to Order; Correspondence between the Government and the party in charge of the expenditure and repairs made on the public Wharf at Port Hood, during the last Summer and Fall. (Not printed.)
- No. 144..Meaford Harbor:—Return to Order; Statement showing expenditures on Meaford Harbor in years 1879 and 1880, with Reports of Engineers relating thereto, since January, 1879. (Not printed.)
- No. 145..Leeds and Grenville, Judgeship: --Return to Address; Correspondence on the subject of the County Court Judgeship and Junior Judgeship of Leeds and Grenville. (Not printed.)
- No. 146. Union Suspension Bridge, Ottawa River: —Return to Order; Statement showing the Revenue and Expenditure in connection with the Union Suspension Bridge, on the Ottawa River, from 1867, up to 1st January, 1881. (Not printed.)

THIRTEENTH

ANNUAL REPORT

OF THE

DEPARTMENT

MARINE AND FISHERIES

BEING FOR . THE

FISCAL YEAR ENDED 30TH JUNE, 1880.

Uninted by Onden of Panliament.



OTTAWA: PRINTED BY MACLEAN, ROGER & Co., WELLINGTON STREET, 1881

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 Grond Cross of the Most Distinguished Order of St. Michael and St. George 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 Thirteenth Annual Report of the Department of Marine and Fisheries, and the financial statements connected therewith, being for the fiscal year ended 30th June, 1880.

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, 1881.

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THIRTEENTH ANNUAL REPORT

OF THE

DEPARTMENT OF MARINE AND FISHERIES

BEING FOR THE FISCAL YEAR ENDED 30th JUNE, 1880.

REPORT

OF THE

DEPUTY-MINISTER.

The Honourable James Colledge 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, 1880, and to give an account of a considerable portion of the business up to 31st December, 1880. Two supplements will be issued with this Report, one comprising the Reports of the Chairmen of the Boards of Steamboat Inspection, and Examiners of Masters and Mates, the Reports of the Toronto, Montreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour Masters, the Shipping Masters, the Port Wardens, and on the Harbour Police of Montreal and Quebec, together with statement of Wrecks and Casualities, and list of Rewards for Saving Life; and a second Supplement, 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 \$809,492.28, while the total amount voted was \$890,043.52, which last-named amount includes the Departmental salaries.

The whole number of persons engaged in the Outside Service of the Department, at the close of the calendar year, was 1,794.

The Lighthouse Service of the Dominion is comprised of 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 452, and of lights shewn 551; 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 606.

The following are the number of light stations, the number of lights shown, of Fog-Whistles and of automatic Fog-Horns in the several Provinces of the Dominion 11_R

at 31st December of each year, from 1868 to 1880, 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.
31st	December,	1868	198	227	2	•••
"	"	1869	219	233	2	•••
u	"	1870	240	2.8	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	2 5	2
"	٠.	1878	427	518	25	4
"	"	1879	443	542	23	6
"	"	1880	452	551	22	7

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 and lightships in the Province of Ontario, embracing the lights on the Ottawa River, the St. Lawrence River above Montreal, the Thames River, and Lakes Ontario, Simcoe, Erie and Huron, the Georgian Bay and Lake Superior.

In the Province of Manitoba, a lightship has been established at the mouth of the Red River, information regarding which will be given further on in this Report. No other lights in Manitoba are exhibited by the Dominion.

The number of lights in the Ontario Division, inclusive of the one in Manitoba, at the close of navigation, was 149. This number consists of lighthouses and light-beacons, four lightships maintained by the Dominion, and one lightship maintained in part by a subsidy from the Dominion. There are 104 buoys and 11 beacons.

The number of lightkeepers in this Division paid directly by the Government was 111, but in several cases assistants were employed by keepers and paid by them out of the allowance made by the Government for the purpose.

With the exception of Ottawa River lights, which were afterwards inspected and supplied, the lights in this Division were inspected and the necessary stores and other supplies delivered during the months of July and August last by the Super-

intendent of Lights, the steamer "Acadia" being chartered for the sum of \$2,700 for the purpose. 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 erection of a lighthouse on Red Rock, at the entrance of Parry Sound Harbour, to replace that on Mink Island, referred to in last year's Report, has not yet been begun—the person to whom the contract was first awarded having refused to Proceed with the work. The work has now been entrusted to Mr. Thomas Caton, who is proceeding with the work and the lighthouse will be completed early next season.

The contractor for the new lighthouse at Kincardine, having failed to complete his contract within the time specified, and much of the work done having proved unsatisfactory, the contract was annulled, and the work given over to the local inspector for completion.

The repairs to the breakwater at Nine Mile Point light-station, near Kingston, alluded to in last year's Report, have been carried out satisfactorily at a cost of \$598.55, also those to the breakwater at the light-station at the east end of Long Point, at a cost of \$1,147.79.

The following new lighthouses have been built and put in operation during the Past season:—

One on Gereaux Island, Byng Inlet, to replace an open tower built by the Maganettawan Lumber Company. This work was let to Mr. F. J. Sylvester, and its cost will appear in next year's accounts. The light was shown for the first time in October last, and is a fixed white catoptric one, elevated 47 feet above high-water mark, and should be visible 12 miles from all points seaward.

A lighthouse on the shore near the pier at Leamington, in the County of Essex, for which a sum of \$1,000 was put in the Estimates, was satisfactorily completed by Mr. Peter Williams, the contract price being \$794. The light is a fixed white catoptric one, elevated 48 feet above high-water mark, and under favourable conditions should be visible 12 miles from all points seaward. The cost of this work will appear in next year's accounts.

A contract has been let for the construction of the lighthouse at South Bay Point, Prince Edward County, referred to in last year's Report, but the work has not yet been completed.

The back range tower at Goderich Pier was rebuilt last season, and the cost will appear in the accounts of the current year.

In consequence of the destruction by lightning of the oil store at Goderich Station, it has been necessary to build a new onc. As repairs and additional accom-

modation were also required to the keeper's dwelling, the whole of this work was embedied in one contract, which has been awarded to Mr. Thomas Perrott for the sum of \$520.

Owing to the sunken condition of a portion of the foundation of the pier on which the tower at Frenchman's Bay or Pickering Harbour is placed, it was found necessary to adjust the foundation and tower and also to reduce the height of the latter, as well as to renew the lantern. This work has been completed during the past season at a total cost of \$1,100.38.

Tenders have been invited for the erection of light buildings on Strawberry Island, near Little Current, on the Great Manitoulin Island, District of Algoma, for which a sum of \$1,500 was appropriated last year. This work will probably be completed early next season.

Plans have been prepared for the renewal of the lighthouse tower on the outer end of the breakwater pier at Port Stanley, in the County of Elgin, for which a sum of \$1,000 was appropriated, but the work has been delayed, pending the completion of arrangements for the repair of the pier, which is not now in proper order to support a lighthouse.

A sum of \$5,000 was appropriated on account of the cost of erecting a light-house on a pier on Colchester Reef, Lake Eric, in the County of Essex. A preliminary survey was made last season, and plans will shortly be prepared. This lighthouse is intended to replace the vessel maintained by Messrs. Hackett, for which the usual subsidy of \$700 has been allowed.

The breakwater at Bois Blanc Lighthouse, County of Essex, being in bad repair, tenders have been invited to make an addition of 30 feet to its length, and to put in 200 cords additional of stone, as ballast and rip-rap. This work cannot be completed before next spring.

It is proposed to make extensive repairs to the lighthouse piers at Jack Straw Shoal, County of Leeds, at Valleyfield, County of Beauharnois, P.Q., and at Pointo aux Anglais, Ottawa River, they having been considerably damaged by ice.

A light-vessel has been established in Lake Winnipeg in the Province of Manitoba, at a cost of \$2,468.28, Messrs. John and Charles Short being the builders at the contract price of \$1,950. It is placed at the mouth of the Red River, and has a fixed white catoptric light, elevated 21 feet above water, and should be visible 10 miles. The vessel is seew shaped, with a small tower amidships from which the light is shown, and is painted white.

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 11th February last, the Government having assumed charge of the lights at Owen Sound, formerly maintained by the Corporation of the Town of Owen Sound, Mr. George Scott Miller was appointed keeper of the lights at a salary of \$100 per annum.

By Order in Council of the 6th April last, Mr. John Manson was appointed keeper of Bar Point Lightship, Lake Erie, at a salary of \$500 per annum, in the room of Mr. Hugh Manson, resigned.

By Order in Council of the 12th April last, Mr. Charles Leger dit Parisien was appointed keeper of the light on Lachine Pier, at a salary of \$200 per annum; and Mr. Simeon Meloche was appointed keeper of the lightship No. 1, Lake St. Louis, at a salary of \$250 per annum, in the room of Mr. John Norton, superannuated, and who held both positions named. Mr. Norton has since died.

By Order in Council of the 10th May last, Mr. Lemuel S. Brown, who had been in temporary charge of the lighthouse on Middle Island for seven years, was appointed keeper at a salary of \$150 per annum.

By Order in Council of the 12th June last, Mr. John Leng was appointed keeper of the lighthouse at Frenchman's Bay, at a salary of \$100 per annum, in the room of Mr. James McClellan, who had removed from the place.

By Order in Council of the 10th August last, Mr. William Jackson was appointed keeper of the lighthouses at Spectacle Shoal and Red Horse Rock, at a salary of \$400 per annum, in the room of Mr. John Buck, superseded.

By Order in Council of the 10th August last, Mr. Andrew Dick was appointed keeper of the lighthouse at Porphyry Point, at a salary of \$400 per annum, in the room of Mr. Donald Ross, deceased.

By Order in Council of the 24th September last, Mr. P. R. deLamorandière was appointed keeper of the lights at Killarney, at a salary of \$350 per annum, in the room of Mr. P. Proulx, superannuated.

By Order in Council of the 15th October last, Mr. W. McG. Lambert was appointed keeper of the lighthouse at Chantry Island and also of the range light on the breakwater at Southampton, at a salary of \$450 per annum, in the room of Mr. D. McG. Lambert, superannuated.

By Order in Council of the 11th November last, Mr. Joshua Lamarsh was appointed keeper of the lighthouse recently erected at Leamington, at a salary of \$150 per annum.

By Order in Council of the 30th September last, Mr. Joseph Monkman was appointed keeper, of the lightship placel, at the mouth of Rel River, at a salary of per annum.

The total cost of maintaining the lights, light-vessels, Fog-bells, buoys and beacons in the Ontario Division for the last fiscal year, was \$65,518.61; and the expenditure for construction of lights during the same period was \$13,092.90.

QUEBEC LIGHTHOUSE DIVISION.

This Division comprises the lighthouses and lightships at and below Montreal, and on the Richelieu river, 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 140 fixed and revolving lights; 8 lightships, three of which are supplied with steam fog-whistles; 7 steam fog-whistles and fog-horns at light-vessels and ight-stations; 8 fog-guns; 84 buoys; 56 beacons; 8 provision depots for the relief of shipwrecked mariners; and 9 life-saving canoes. The number of persons in charge of all these being 193.

This important Division is under the charge of Mr. J. U. Gregory, as agent 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 service.

The light service between Quebec and Montreal, and on 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 the navigation season the numerous buoys below Quebec was also attended to by Captain Marmen.

The necessary supplies and provisions for the lights, fcg-whistles and provision depôts in the Gulf of St. Lawrence and Straits of Belle Isle were delivered by the Superintendent of Lights in the steamer "Napoleon III," one trip being made in the month of July and another in the month of September last.

The agent at Quebec reports that he personally visited several of the stations between Quebec and Montreal, the Saguenay district, the north and south shores of the River St. Lawrence, the Labrador and Gaspé coasts and the Bay of Chaleurs, and found everything in good order and the service efficient.

Owing, however, to the age of many lighthouses in his Division, and particularly those cheaply built of wood, the Department will now be called upon annually for the expenditure of greater amounts than formerly for repairs.

The range light towers upon the upper end of Ile Ste. Therese, in the County of Hochelaga, which were referred to in last year's Report, have been satisfactorily completed at a total cost of \$1,308.83. They are for the purpose of leading vessels xiv

through the new channel at Point aux Trembles, and are in charge of Mr. Samuel Reeves.

The range lights at Ste. Emelie, in the County of Lotbinière, referred to in last Year's Report, have been satisfactorily completed. \$500.02 have been expended up to the 30th June last, and the remainder of the cost will appear in next year's accounts. It is not intended to put these lights, which are to replace those at Cape Charles, in operation until the deep water channel being dredged by the Montreal Harbour Commissioners, is ready for use. The range lights are to guide vessels in passing through the new Cap la Roche channel. They are in charge of Mr. Arthur Laliberté, keeper of the back light, and Mr. Felix Laliberté, keeper of the front light.

Tenders will be invited during the winter for the construction of the new towers required at Lavaltrie and Sorel, so that these lights may be ready for the opening of navigation in 1881. The tower at Ile aux Prunes will also require to undergo repairs or be renewed. The Montreal Harbour lights also require renewing.

Considerable repairs have been made during last summer to the lighthouse at Ile à la Pierre, which were deemed necessary for the safety of the tower.

Owing to the exorbitant sums asked for the removal of Paspebiac Lighthouse referred to in last year's Report, it has been deemed advisable to have the removal carried out by days' work under a competent foreman.

The contract for the erection of a lighthouse tower at Fame Point, Gaspé County, referred to in last year's report, was awarded to Mr. R. Cameron, of Lancaster, Ontario, by whom the work was satisfactorily completed. The cost up to the 30th June last has been \$2,051.34, and the remainder of the cost will appear in next year's The light is a fixed white catoptric, varied by red flashes every 20 seconds. It is elevated about 200 feet above high-water mark, and in clear weather should be visible 20 miles from all points seaward,

A small dioptric apparatus was placed in the tower on the pier at Algernon Rock, south from the Stone Pillars, in the County of Kamouraska, and a fixed white light exhibited from it for the first time on the 20th April last. The light is elevated 36 feet above high-water mark, and in clear weather should be visible 6 miles up and down stream. It is intended to guide passing vessels clear of the rock.

An appropriation of \$5,000 was made for the erection of light-buildings on Cape Bauld, the northernmost point of Newfoundland, and tenders will shortly be invited for this work, as well as for light-buildings required on St. Peter's Island or Flat Rock, in the County of Gaspé, for which a sum of \$1,500 was voted.

The two small towers required on the River Saguenay, for which an appropriation of \$300 was made, have been erected and put in operation at a cost of \$257.34.

The Public Works Department being at present engaged in raising the level of the Government wharf at Rivière du Loup, it is proposed to defer the erection of the tower, for which an appropriation of \$600 was made, until the completion of such work.

The following changes have occurred in the keepership, &c., of the lights of this Division since the date of last Report, viz:—

By Order in Council of the 16th March last, Mr. Matthew Geraghty was appointed keeper of the Beacon Lights established last season at Oak Point on the Restigouche River, at a salary of \$100 per annum.

By Order in Council of the 27th May last, Mr. Treffié Delisle was appointed keeper of the Red Island Lightship in the room of Mr. Firmin Larivée, superseded, at a salary of \$500 per annum, and to receive an allowance of \$1,900 per annum to provide a duly qualified engineer to work the fog-whistle and the necessary crew for the management of the vessel.

By Order in Council of the 23rd June last, Mr. Jean Baptiste Galibois was appointed keeper of the lighthouse at Bellechasse, at a salary of \$320 per annum, in the room of Mr. Edward Thivierge, superannuated.

By Order in Council of the 7th July last, Mr. Charles Chiasson was appointed keeper of the lighthouse at Bird Rocks at a salary of \$600 per annum, with an allowance of \$700 per annum to enable him to keep two assistants, in the room of Mr. Peter Whalen, deceased.

By Order in Council of the 19th July last, Mr. Etienne Parent was appointed keeper of the lighthouse at Bicquet Island, in the room of Mr. Thomas Lebel, superseded, at a salary of \$600 per annum.

By Order in Council of the 19th July last, Mr. Edouard Chabot was appointed keeper of the lighthouse at Point St. Laurent, Island of Orleans, at a salary of \$300 per annum, in the room of Mr. Joseph Chabot, superannuated.

By Order in Council of the 2nd September last, Mr. James Ascah was appointed lighthouse-keeper and telegraph operator at Fame Point, at a salary of \$400 per annum.

By Order in Council of the 22nd September last, Mr. William Carter was appointed keeper of the lighthouse and fog-whistle and telegraph operator at South Point, Anticosti, at a salary of \$900 per annum, in the room of Mr. David Têtu, resigned.

By Order in Council of the 24th September last, Mr. Felix Laliberté was appointed keeper of the back range light, Ste. Emélie, at a salary of \$80 per annum;

and Mr. Arthur Laliberté, keeper of the front range light, at a salary of \$70 per annum.

The total amount expended for the maintenance of lights, lightships, provision depots, buoys and beacons, and fog-whistles, in this Division during the year ended 30th June last, amounted to \$113,223.47.

The sum of \$7,797.75 was expended on construction of lights during the same period.

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, 83 lights, including a lightship and 10 fog-whistles under the charge of 70 light-keepers and assistants.

In the annual Report received from the Agent, the lighthouse and coast service in connection with this Division is stated as having been maintained in an efficient condition during the past year. Owing, however, to a very severe gale which occurred in October, 1879, much damage was caused to the following lighthouses stationed on the North Shore, viz.: Shippegan, Tracadie, Tabusintac, Neguae, Fox Island and Sheldrake Island. Tenders were invited for the repairs necessary, and the lighthouses have been kept in operation during the past season, but the repairs at all the stations have not been fully completed. Contracts for the repairs required were awarded as follows: Removal of buildings at Shippegan, and repairs, to Mr. Michael Hayden, at \$288; repairs at north-west end of Fox Island, to Mr. Daniel Crimmon, at \$250; repairs and additions at Tabusintac and Neguae, to Mr. Daniel Crimmon, at \$1,037; and repairs and additions at North and South Tracadie, to Mr. Alex. Le Breton, at \$270.

Reference was made in the Report of last year to the lighthouse erected upon Gull Cliff at the south-west head of Grand Manan. This lighthouse was put in operation on the 1st February last. The light is revolving catoptric in character, makes a complete revolution in two minutes, showing three white flashes and three red flashes with intervals of eclipse of 10 seconds. It is elevated 200 ft. above high water and is visible in clear weather at a distance of 24 miles. The building consists of a square wooden tower with dwelling attached, painted white, and is 43 ft. high from base to vane. As will be seen by referring to Appendix No. 8 the sum of \$2,339.44 was expended on this lighthouse during the year ended 30th June last, making the total cost with previous expenditures amount to \$4,164.44.

A fog-trumpet of improved description, manufactured by the Neptune Fog-Horn Co., of Quebec, has been erected at Head Harbour on the Island of Campobello, and put

into operation on the 30th January last. During thick weather, fogs and snow storms the trumpet sounds blasts of eight seconds duration with intervals of thirty-five seconds between them. Our Agent reports that this trumpet has proved a great success, and gives universal satisfaction, being considered by the commanders of steamers the loudest and best sounding fog-alarm in the Bay of Fundy. The cost of this fog-trumpet, including fog-trumpet, necessary buildings, reservoir, &c., amounted to \$6,198.99.

As stated in the Report of last year, it was in contemplation to erect a fogtrumpet on Split Rock, at the entrance to Musquash Harbour, to serve not only the purposes of a guide into the harbour, but also for steamers and other vessels bound to the port of St. John. As, however, the erection of a fog-trumpet at this place would necessarily involve a large expenditure it was decided to mark this dangerous rock with one of the Courtenay automatic buoys which had been tried in Halifax Harbour, and been proved to be very efficient and reliable. Arrangements were accordingly made last season to place a buoy of the description named off the rock, but at the request of pilots and captains it was thought better to place it at a distance of two miles from the rock, so that timely notice might be given of approach to the danger. The buoy has been placed accordingly, and our Agent reports that it is considered an invaluable guide and protection to shipping. The cost of this buoy, together with necessary moorings, will appear in the accounts of the present fiscal year.

The lighthouse at Shippegan Gully, owing to damages received by the gale of October, 1879, was removed to Alexander Point, on the north-east side of the entrance to the gully, and the light put into operation on the 4th June last. A small light, consisting of a lantern hoisted on a pole, to serve as a range light, was also established 484 feet from the main light.

Reference was made in the Report of last year to the erection of six beacon lighthouses on the Restigouche River. It was found necessary during the past-season, in the interests of navigation, to supplement these lights by establishing a floating light at Point LeGarde, to be kept up two nights in the week to suit the steamer "City of St. John" on her passage up the river to Campbellton. Tenders were invited for this service, and a contract awarded to Mr. Alexander McKillop for a sum of \$125 for the season, the contractor supplying vessel, lantern, lamps, &c. The sum of \$433.28 was expended during the past fiscal year on the Restigouche beacons, making the total cost of their construction amount to \$1,045.30.

During the past season it was found uccessary to creet a new iron lantern on the lighthouse at Portage Island, Miramichi Bay, the cost of which, together with necessary repairs to the building, amounted to \$744.92.

Provision was made in the Estimates of last Session for the erection of beacon lights at Buctouche, Pokesudie, near Caraquet, Fox Island and Hay Island, at the

entrance of Neguac Gully, and steps are being taken to have these lighthouses-erected.

The following changes have occurred in the keepership of the lights and fogwhistles of this Division since the date of last Report, viz.:—

By Order in Council of the 19th January last, Mr. George Cummings was appointed keeper of the Beacon Lights at Campbellton, Restigouche, at a salary of \$100 per annum.

By Order in Council of the 20th January last, Mr. Oliver A. Kent, who had served for a number of years as assistant light house-keeper at Gannett Rock, was appointed keeper of that light in the room of Mr. W. B. McLaughlin, transferred to South-West Head, Grand Manan, at a salary of \$600 per annum.

By Order in Council of the 25th February last, Mr. Duncan Morrison was appointed keeper of the beacon lighthouses on Sheldrake Island, Miramichi, in the room of Mr. John McKay, deceased, at a salary of \$300 per annum.

By Order in Council of the 12th June last, Mr. Morris Scovil was appointed keeper of the lighthouse at No Man's Friend, River St. John, at a salary of \$80 per annum, in the room of Mr. E. Buzza, removed from the locality.

By Order in Council of the 10th August last, Mr. Elisha M. Hendry was appointed keeper of the lighthouse at Hendry Point, Queen's County, at a salary of \$80 per annum, in the room of Mr. Joseph Hendry, resigned.

By Order in Council of the 10th August last, Mr. Hugh Maloney was appointed keeper of the lighthouse at Bliss Island, at a salary of \$300 per annum, in place of Mr. Jarvis Clark, deceased.

By Order in Council of the 17th August last, Mr. Henry H. McNeil was appointed keeper of the beacon lights at Dalhousie, at a salary of \$100 per annum.

By Order in Council of the 7th October last, Mr. John Delaney was appointed keeper of Grant's Beacons, at a salary of \$100 per annum, in the room of Mr. George Grant, deceased.

By Order in Council of the 7th October last, Mr. Charles H. Gilmore was appointed keeper of the lighthouse at Oromocto, at a salary of \$80 per annum, in the room of Mr. J. K. Hazen, deceased.

By Order in Council of the 8th November last, Mr. Ephraim Steeves was appointed keeper of the light on Hillsborough Wharf, at a salary of \$75 per annum, in the room of Mr. Abner Jones, deceased.

The total cost of maintaining the lights, fog-whistles, buoys and beacons, in the Province of New Brunswick for the last fiscal year, amounted to \$61,252.82; and the amount expended during the same period on construction of lights was \$4,985.53.

NOVA SCOTIA LIGHTHOUSE DIVISION.

This very important Division, under charge of Mr. H. W. Johnston, Agent of the Department for the Province of Nova Scotia, includes 122 lighthouses, 10 steam fog-whistles, 1 lightship, 1 fog-bell station, 3 fog-gun stations, 4 automatic signal buoys including spare, 7 large iron bell buoys including spare, 341 iron can buoys, wooden can buoys, spar and other buoys, 7 life-boat stations, 3 humane establishments, 4 signal stations and 6 stationary beacons.

One of the lighthouses enumerated in the above list is not yet in operation, although completed, viz.:—Little Narrows, Bras d'Or Lake.

During the past year a lighthouse has been erected near the eastern end of St. Esprit Island, Richmond County, Cape Breton. It was put in operation on the 1st November, 1880.

The building is of wood, and consists of a square tower 55 feet high from base to vane of lantern, painted white with two red bands. A keeper's dwelling is attached to the tower, and also a wood-store. An oil shed is built about fifty yards distant.

The contract was awarded to Mr. Thomos O'Neill, of Salmon River, Guysboro, County, for the sum of \$2,234.

The lantern is of iron, $10\frac{1}{2}$ feet in diameter, having 12 sides glazed with plate glass.

The light, which is on the catoptric principle, is a revolving white, attaining its greatest brilliancy every thirty seconds. It is elevated 78 feet above high-water mark, and in clear weather should be seen 14 miles from all points of approach.

The light is shown by means of six lamps and reflectors, arranged on a spider frame. The lamps are improved circular burners, with constant level oil reservoirs of the oval pattern, and trumpet-shaped copper flues, two inches in diameter, connected with vertical flues 4 inches in diameter.

The reflectors are 21 inches in diameter, by 13\frac{3}{4} inches deep. Large-sized clockwork machinery is provided for revolving the spider frames once in a minute and a half, the weight falling through a space of about 40 feet.

This is a coast light, and in the published notice, occasion is taken to draw attention to the fact that the dangerous shoal known as the "Bad Neighbour," lying S. W. $\frac{3}{4}$ W. $\frac{1}{2}$ mile from the light, has not more than 12 feet of water on it at low tide, instead of 18 feet as shown on the chart.

Mr. Angus McLeod of L'Ardoise, was appointed keeper by Order in Council, 27th October, 1880, at an annual salary of \$400.

In the Report of last year reference was made to a lighthouse, proposed to be erected on Surf Point, Shelburne Harbour. It was found expedient, in the interests of trade, to change the site and to place the light on the sand spit on the other side of the harbour.

Tenders were asked for, and the contract was awarded to Mr. George Dechamps of Shelburne, for the sum of \$1,725, the contractor receiving the materials which remained on hand, and which had been provided for the building originally intended for Surf Point.

The light tower is 42 feet high and painted white, and is built on a pier situated four feet above the low-water line and 240 feet from the extremity of the sand spit. The pier is of hemlock timber, 30 feet square on top, and sloping to 33\frac{3}{4} feet square at bottom. It is sunk two feet in the sand, and the top is about 10 feet above the average high tide. The sides are sheathed with oak plank, and an iron plate is put on the north-east angles as a protection against ice. Rip-rap stone work is built up five feet high on the pier, and extends at bottom nine feet on every side.

The lantern is of iron, $7\frac{1}{3}$ feet in diameter, having six sides glazed with plate glass $36\times36\times\frac{3}{8}$ inch, and two sides blank.

The lighting apparatus consists of four large flat-wick lamps, three with 20-inch reflectors, and the fourth without any reflector; they are arranged on an iron shelf in the lantern.

The light, which is for the purpose of leading vessels into Shelburne Harbor, is fixed red. It is elevated 47 feet above the level of high water, and in clear weather should be seen from a distance of about 10 miles.

The light was put in operation on 15th December, 1889.

A lighthouse has also been erected at Little Narrows, in the Bras d'Or Lake, Cape Breton. The building is a square wooden tower painted white, thirty-five feet high from base to vane. It is built on a foundation of hemlock posts.

The contract was awarded to Mr. Neil McKenzie for \$390.

The lantern is of iron, $5\frac{1}{4}$ feet in diameter, having six sides, three sides glazed with plate glass, $30\times30\times\frac{2}{8}$ inch, and the other three sides blank. It is provided with two large flat-wick lamps, 18-inch reflectors, and one lamp of same kind without a reflector.

The light will be fixed white, elevated 40 feet above high water, and should be seen for a distance of eight miles.

It will be put in operation on the opening of navigation in the spring of 1881.

By Order in Council of 29th October, 1880, Mr. John Ferguson, of South Side Little Narrows, has been appointed keeper at a salary of \$120 per annum, to date from time light is put in operation.

During the past year two small beacon range lights have been established for the purpose of leading into Margaree Harbour, Cape Breton. The lights which are white, are shown by means of lanterns elevated on posts about twenty-five feet high and 130 feet apart. They are about 500 feet from the mouth of the harbour, and about 90 feet above the level of high water. The lights are under the charge of Mr. J. P. Macfarlane, who provides the lights, oil and everything connected with them for \$60 per annum.

The light were put in operation on 17th (May, and are extinguished about the 1st December.

During the season of navigation a small light has been kept in operation at West Bay, in the Bras d'Or Lake, chiefly for the accommodation of the steamer "Neptune." It is simply a lantern hoisted on a high post.

The Department furnishes the lantern and oil, and the light is attended to under the directions of the captain of the S.S. "Neptune." The light is only shown as may be necessary for the convenience of that vessel.

Repairs have been made at the different lighthouse and fog-whistle stations, as follows:—

The boiler of the fog-whistle at Seal Island, which had been in a defective state for some time, became so bad in August last that it was considered unsafe to work it. A new and larger boiler being at the time under contract for this place, it was not considered advisable to spend a further sum in making repairs to the old one, which would last only a short time. Notice was therefore given that the whistle would be stopped till the new boiler was placed. This work is now in progress, the boiler having been landed from the steamship "Newfield" a few days ago.

The engine house will undergo some alterations to accommodate the increased size of the boiler, and the brick foundation on which it is to rest will be relaid in a solid manner. The new boiler was supplied under contract by Mr. John Patterson, for the sum of \$800.

The wharf at Cape Fourchu station, Yarmouth, which was swept away by the gales of last winter, has not yet been rebuilt. Some small repairs were done to the foundation wall. A new and larger boiler has been placed to work the fog-whistle, the old one being wore out. This boiler was also supplied under contract by Mr. John Patterson, for the sum of \$800.

A new and enlarged boiler has been landed at Brier Island Station, and is now being fitted up. Some small alterations to the engine house will be made, and the coal-shed enlarged. An oil store is also being erected. This boiler was also supplied under contract by Mr. John Patterson, for the sum of \$800.

The protection work at Parrsboro' was referred to in the last Report as requiring extensive repairs. These have now been completed. Two wings were built, one at right angles to the eastwardly end of the present breakwater in front of the light-house, 50 feet long by 7 feet wide and about 7 feet high, with stepped courses to correspond with the inclined surface of the beach, which has a rise of about one vertical to six horizontal.

The wing at the west end is similar in every respect, except that it is only 44 feet long.

The west breakwater 650 feet long has been thoroughly repaired and another tier of timber built on the old work. The whole interior was filled with coarse gravel and the top planked over.

An oil-store was built on the inside beach west of the main building, 16 feet long, 12 feet wide and 8 feet high. It is placed on a foundation of timber sufficiently high to keep it from the reach of the sea.

The contract for this work was awarded to Mr. James Gillespie, of Parrsboro', for \$1,495, and was conducted under the local supervision of Mr. Augus McGillvary.

Mr. Tomlinson also visited and inspected the work during its progress.

In September last tenders were invited for the extension of the Pile Breakwater protecting Meagher's Beach on plans prepared by the Department. Owing to the lateness of the season, the tenders ran very high, and it was therefore considered advisable to postpone the work till the spring.

In the meantime a very heavy gale from the southward considerably widened the breach at the east end of the breakwater, rendering it necessary to take immediate steps to protect this part. A double row of piles has therefore been placed extending 160 feet from the old work with sleepers and cross-ties, and the whole filled in with brush and stone.

A new iron lantern 93 feet in diameter, having twelve sides, has been erected on the western tower at Devil Island Station. An improved lighting apparatus has also been fitted, consisting of 15 mammoth flat-wick lamps, with reflectors arranged in two rows, 6 above and 9 below, on an iron hoop attached to a spider frame. lantern is glazed with plate glass 60 x 30 and 3 in. thick.

The tower underwent what repairs were necessary and received a new platform to accommodate the increased size of the new lantern.

The two lights at the station now show with equal brilliancy.

Tenders have been invited for the construction of a new lighthouse, with dwelling attached, at Cranberry Island.

A new boiler of large size to work a 10-inch whistle will be sent here in the spring. A coal shed will be erected and also an oil store.

A new iron lantern 93 feet in diameter, with an improved lighting apparatus has been landed at Bird Island Station, and will be erected in the early part of the spring. A new platform will be placed on the tower at the same time to suit the increased size of the lantern.

A new iron lantern 6 feet in diameter is in course of erection at Pugwash Station. There will also be an improved lighting apparatus. The top of the tower Will be fitted to receive the large lantern.

A new and larger boiler, for the fog-alarm at Saint Paul's Island, was landed at this station in August last, and has been fitted to work a ten-inch whistle.

The brick foundation having settled, it was built up and extended; and, in order to suit the increased size of the boiler, the arrangements in the engine-house had to be altered by moving the engine and enlarging the building. A new piston-rod was fitted to the engine, and the brasses, governor and other parts examined and put in order.

The old boiler was then removed to the coaling station, and fitted to a double cylinder hoisting winch, which has been placed near the edge of the cliff to facilitate the hitherto difficult task of getting the annual supply of coal from the boat to the coal-shed. A wooden projection has been built from the side of the coal-shed as a covering over the hoisting gear.

A brick water-eistern has been placed in the cellar of the engineer's dwelling, the water supply at this part of the island often running short. Material was supplied to the Superintendent of the island for repairing the landing slip, and also some fencing to be erected at the edge of the steep cliff near the S. W. Light.

Very extensive repairs have been made on Sable Island during the past season.

At the eastern light-tower, the principal beam forming the main support of the dioptric apparatus, and also the two beams on either side of it, were found to be split, and it became necessary to secure them with upright posts having oak caps and placed from story to story. The inside covering boards of the buttress, containing the concrete ballast, were seen to be somewhat decayed, and an examination was therefore made. The result showed that the posts of the tower, with the other woodwork covered by the concrete, were completely rotten, the outside boards and shingling being also much affected. The end of the joists supporting the lantern platform were also found to be touched with dry rot. An examination was at the same time made of the buttresses of the western tower, and they were found in much the same state as the other.

In order to effect such important repairs, six carpenters were sent to the island, in charge of Mr. Jacob Bowser as foreman, with the necessary material. The whole of the decayed work has been removed, and both lighhouses put in a thorough state of repair.

On the 15th of March, 1880, notice was given that the bell buoy, on the northwest ledge, near Brier Island, Bay of Fundy, had gone adrift, and could not be replaced until further notice. A bell buoy was first placed there in July, 1876, moored with a large Trotman anchor and sixty fathoms of $1\frac{1}{2}$ inch chain. Some months after, it parted its moorings, and, drifting into the breakers, was battered to pieces before it could be recovered.

On the 10th of January, 1877, another buoy had been moored at the same place. In March, 1878, this one broke adrift, but being held by the broken chain catching in a rock was held outside the breakers until its recovery by a tug from Yarmouth.

In April the buoy was replaced. On 15th November an attempt was made to lift the moorings for examination, but the chain had fouled round the rocks and it could not be cleared. An additional piece was therefore shackled on to relieve the strain. In June another attempt was made to lift its moorings, but without success, and they had to be slipped, involving the loss of the anchor and chain. A relief buoy was then put in position with new moorings, and on 25th January last information was received that the buoy had again gone adrift. It drifted toward Cape St. Mary's, where the broken chain held it. It was brought ashore by a tug and landed safely.

Steamers had to be despatched on two occasions to the Bay of Fundy on account of this buoy, at a very bad time of year, and when the vessels are usually laid up. The anchors and chain lost amount to about \$1,450; the buoy destroyed \$1,200, and tng service about \$600. The fact is, the bottom in the vicinity of the North-Western Ledge is exceedingly rugged and composed of sharp-pointed rocks, and under these circumstances it is almost impossible to keep the buoy in place for any considerable time. On recommendation of the Agent at Halifax it has been discontinued, at any rate for the present.

The bell buoy, heretofore moored off Cape Canso was, in May, 1880, replaced by an automatic signal buoy, sounding a 10-inch whistle.

The buoy, which is painted black, and marked "Cape Canso," is moored in 20 fathoms water, E.S.E. (magnetic), 1½ miles from Grimes' Shoal, off Cape Canso.

In July, a bell buoy, surmounted by a staff and cage, and colored red, was placed 500 yards S.S.W. (magnetic) from the Brig Rock, off Jeddore, Halifax County, in latitude 44.37.20 N., longitude 62.55.50 W.

The general buoyage of the coast has been kept up as usual, and improved in Several places by the addition of new iron can and wooden spar buoys. A number of buoys were placed in the Avon River.

The following changes have occurred in the keepership of the lights in this division since the date of last Report, viz.:—

By Order in Council of the 13th January last, Mr. William Wrayton was appointed keeper of the lighthouse on Stoddart's Island, Shag Harbor, at a salary of \$150 per annum, in the room of Mr. Michael Wrayton, deceased.

By Order in Council of the 13th January last, Mr. John Macfarlane was appointed keeper of the lighthouse at Amet Island, at a salary of \$450 per annum, in the room of Mr. H. G. Bennett, superannuated.

By Order in Council of the 16th April last, Mr. Corning Crowell, who held the position of engineer of the fog-whistle, was appointed keeper of the lighthouse on Seal Island, and engineer of the fog-whistle, at a salary of \$800 per annum, in the room of Mr. T. C. Crowell, superannuated.

By Order in Council of the 7th April last, Mr. Farquhar McRae was appointed keeper of the lighthouse at Margaree, at a salary of \$400 per annum, in the room of Mr. John McFarlane, deceased.

By Order in Council of the 10th May last, Mr. Francis De Mings was appointed keeper of the lighthouse at McNutt's Island, at a salary of \$400 per annum, in the room of Mr. D. McKenna, superannuated.

By Order in Council of the 7th May last, Mr. Lawrence Laffin was appointed keeper of the lighthouse at Flint Island, at a salary of \$400 per annum, in the room of Mr. Benjamin Heney, superannuated.

By Order in Council of the 10th May last, Mr. John Allan McDonald was appointed keeper of the lighthouse at Port Hood, at a salary of \$280 per annum, in the room of Mr. Thomas Power, deceased.

By Order in Council of the 30th June last, Mr. Charles M. Firth was appointed keeper of the lighthouse at Coffin's Island, Liverpool, at a salary of \$350 per annum, in the room of Mr. C. W. Firth, superannuated.

By Order in Council of the 27th October last, Mr. Angus McLeod was appointed keeper of the lighthouse at St. Esprit, at a salary of \$400 per annum.

Mr. John McFarlane was placed in charge of the range lights at Margare⁶ Harbour, with an allowance of \$60 per annum.

By Order in Council of the 29th October last, Mr. John Ferguson was appointed keeper of the lighthouse at Little Narrows, Victoria County, at a salary of \$120 per annum.

The total cost of maintenance of the lights, steam fog-whistles, &c., in the Province of Nova Scotia, including humane establishments at Sable Island, St. Paul's and Scatterie, for the last fiscal year amounted to \$116,189.60 and the amount expended during the same period on construction of lights was \$7,069.01.

PRINCE EDWARD ISLAND LIGHTHOUSE DIVISION.

In this Division, which has been under the charge of Mr. William Mitchell, as agent at Charlottetown, there are at present twenty-six light-stations under the care of twenty-six light-keepers. Thirteen of these light-stations have dwellings attached, four of them have range towers, seven have close towers, three are open, there are six beacon lights and one single light, making the total number of lights thirty-four.

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The lighthouse at Knight's Point, Souris East, to which reference was made in last year's report, has been satisfactorily completed, the cost, up to 30th June last, being \$417.05, and the light was put in operation in November, 1880. The light is a fixed white, one of the dieptric order, showing to all points seaward. It is elevated 85 feet above high water mark, and under favourable circumstances should be visible 15

A new dwelling for the keeper of the light at Sea Cow Head, to which reference was made in last year's report, has been satisfactorily completed at a cost of \$777.

A new lighthouse is in course of construction on St. Peter's Island, in Hillsboro' Bay, by Mr. Joseph Egan, the contractor for the work, the contract price being \$550.

Tenders have been invited for the erection of a new lighthouse on Cape Bear, in King's County, to meet the expense of which the sum of \$2,000 was appropriated by Parliament.

A contract has been entered into with Mr. James Barclay, contractor, for the erection of two small beacon lights at Savage Harbour, the contract price being \$174. For this purpose \$800 was voted by Parliament.

A new lantern was provided for the front-range light-tower at New London, to replace the one mentioned in last year's Report as having been destroyed by fire.

The work at Indian Point, Summerside, referred to in last year's Report, is expected to be completed and the light put in operation on the opening of navigation next spring. A further sum of \$2.709.95 has been expended on it during the past fiscal year.

The cost of the new range light-towers at Murray Harbour, to which reference was made in the two previous Reports, amounted to \$1,182.60.

The lighthouse at Tignish, to which reference was made in last year's Report, has been completed by Mr. Henry Williams, the contract price being \$545; and on the opening of navigation next spring the light will be put in operation and the temporary range lights, exhibited last season, discontinued.

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

By Order in Council of the 11th May last, Mr. John McCabe was appointed keeper of the lighthouse at Sandy Island, Cascumpec, at a salary of \$250 per annum, in the room of Mr. Asa McCabe, deceased.

By Order in Council of the 10th June last, Mr. Ernest McMillan was appointed keeper of the inner light at Cove Head, Queen's County, at a salary of \$60, and Mr. John McCabe keeper of the outer light, at a salary of \$40 per annum.

By Order in Council of the 13th November last, Mr. Charles Peters was appointed keeper of the lighthouse on the pier at Indian Point, Bedeque Bay, at a salary of \$300 per annum, and Mr. Angus McDonald (Neil's son) was appointed keeper of the lighthouse at Souris, at a salary of \$200 per annum.

The total cost of maintaining the lights in the Province of Prince Edward Island for the last fiscal year was \$15,288.17, and the expenditure for construction of lights during the same period was \$6,074.80.

By Order in Council of 24th December last, Mr. Artemas Lord was appointed agent of this Department at Charlottetown, at a salary of \$1,000 per annum, in the room of Mr. Wm. Mitchell, superseded.

BRITISH COLUMBIA LIGHTHOUSE DIVISION.

As stated in the Report of last year, the lighthouses in this Division are under the charge of Mr. F. Revely, Agent of this Department at Victoria, who was appointed on the 11th July, 1879, in the room of Capt. James Cooper, whose appointment was cancelled.

The lighthouses in this Province are six in number, and there is also a lightship stationed at the mouth of Fraser River. The number of light-keepers and assistants is 14.

The lightship at Fraser River having become unserviceable was withdrawn on the 23rd September, 1879, and a schooner was placed in position under contract as a temporary lightship on the 4th May last. It is proposed to erect a lighthouse on iron screw piles on the Sand Heads near the mouth of the river, and an appropriation of \$14,000 was made by Parliament for this purpose at its last session. The screw piles have been ordered from England, and the lighthouse will probably be erected in the course of next season.

During the past season the beacon on Walker Rock, which was commenced in 1879, has been completed at a cost of \$691.06. This beacon is built of rubble stone set in cement, the centre being filled with concrete.

The following changes have occurred in the keepership of the lights of this division since the date of last Report, viz.:—

By Order in Council of the 6th January last, Mr. Henry Cogan was appointed keeper of the lighthouse at Fisgard, Esquimalt Harbour, at a salary of \$600 per annumin the room of Mr. W. H. Bevis, deceased.

By Order in Council of the 5th October last, Mr. Walter Erwin was appointed keeper of the lighthouse at Point Atkinson, at a salary of \$700 per annum, in the room of Mr. R. G. Wellwood, resigned.

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OIL.

The oil required for the use of the different lighthouses in the Dominion during the past season, excepting those in British Columbia, was supplied under contract by Messrs. F. A. Fitzgerald & Co., Union Petroleum Works, London. This contract, particulars of which have been supplied in the Report for the year 1878, is now about to expire, and tenders will shortly be invited for a supply required for the next year. The quantity supplied to the lighthouses above Montreal during the past season amounted to 21,981 gallons; to the lights in the Quebec District, 24,705 gallons; to the lights in the New Brunswick District, 13,754 gallons; to the Nova Scotia lights, 42,552 gallons; and to the lights in Prince Edward Island, 5,200; making in all 108,192 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 small steam launch, "Dolphin," employed at Quebec in connection with the River Police Service.

'I'he steamship "Napoleon III." was 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 of St. Lawrence, the 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, one in the early summer and the other in the fall. Our Agent at Quebec reports that repairs are required to the boilers to make the vessel reliable for service next season.

The steamer "Druid" has been employed during the past season in supplying the lights from Point-des-Monts to Montreal, and in laying down and taking up, and keeping in position the large number of buoys below Quebec. Considerable repairs are required to the hull and upper deck, and it is probable that these will be made during the winter.

The steamer "Newfield," after supplying a number of the lights in the Nova Scotia District, was despatched to England in June last to bring out the telegraph cable to connect Anticosti and the Magdalen Islands, Grand Manan and Campobello with the mainland. The vessel was fitted up for the service, and the cable successfully laid by her in the months of October and Novomber last.

The steamer "Glendon" has been engaged during the past year in attending to the Halifax buoy service, as well as buoy service on different parts of the coast, and in supplying lights and fog-whistles in the Nova Scotia District.

The steamer "Sir James Douglas," employed in British Columbia, has attended to the lighthouse and buoy service in that Province. She has also been occasionally employed on telegraph service, in taking men and material, for repairs to the cable between the islands of the San Juan group and the mainland.

The winter steamer "Northern Light" is employed for the purpose of maintaining communication between Prince Edward Island and the mainland during the winter season. She commenced to ply between Georgetown and Pictou on the 17th December, 1879, and made daily and occasional trips to the 11th March, when, owing to the packing of the ice in the Gulf, she was unable to reach Georgetown, and was obliged to remain outside of that harbour until the 28th March. On the 10th April trips were resumed and continued till the 6th May, when the ordinary steamers cemmenced to run.

The earnings of this vessel during the winter season amounted to \$4,282 40; and the cost of repairs, improvements and running expenses for the fiscal year ended 30th June last, amounted to \$14,429.52, 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 No. 9, for the maintenance of the "Napoleon III." was \$26,996.56; of the "Druid," \$22,322.37; of the "Newfield," \$21,738.53; of the "Glendon," \$10,836.11; of the "Northern Light," \$14,429.52; and of the "Sir James Douglas," \$9,733.34, making an entire expenditure of \$106,05.43.

HARBOUR POLICE.

A Police Force is maintained at each of the harbours of Montreal and Quebeofor the purpose of keeping order amongst the shipping during the season of navigation, and for restraining the practice of crimping. A tax of three cents per ton 101 the support of the force is imposed under the provisions of the Act 31 Vic., cap. 6^{2j_0} on all vessels arriving at these ports—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.

QUEBEC.

The Report of Mr. Benjamin Trudel, Chief Constable of the Quebec Harbout Police, together with a return of all the arrests made during the past season, will be found in Supplement No. 1 to this Report. The force was, as usual, sworn in on the 1st of May and disbanded on the 30th November. It consisted of the following:

The Chief Constable, who is also Shipping Master, at a salary of \$1,200 for the joint offices; a Deputy Chief Constable, who is also steersman of the steamer "Dolphith at \$1.90 per diem; seven coxswains (one of whom acts as detective and clerk in the shipping office) at \$1.50 per diem, and thirty constables at \$1 per diem; together with two engineers at \$1.30 each per diem.

An addition or bonus of 25 cents per diem was paid to each of the men for the entire season.

It appears that the duties of the force at Quebec have been very arduous during the past season, owing to the large increase in shipping, the scarcity of sailors and consequent temptation to crimps to ply their nefarious trade. The Chief Constable reports that desertions becoming frequent, the force made vigorous efforts to crush

the crimping trade. In the several crimping dens searches were made, and men found hidden between false partitions, floors, presses, imitation spring palliases cellars, hay-lofts, &c. One month's determined action having showed the crimps that deserters could not be stowed away in the boarding-houses, they resorted to the plan of placing the runaways on the Plains of Abraham and into the neighbouring country, keeping them there until such time as the several vessels would leave. This was immediately discovered, for miles round the country was searched, sometimes as many as eight deserters being secured in one patrol. In every case where the police could trace either enticers or harborers, legal proceedings were taken, and thus ten actions were commenced for harboring, six for enticing, one for loitering and one for going on board without permission—or, in all, eighteen actions. Sixteen convictions were obtained, the other two cases being dismissed on the ground of insufficient identification. The effect of this vigorous execution of the law was that the crimps were terrified, and during the latter portion of the season there were but few desertions.

As regards those convictions, a most important point has arisen. A question of jurisdiction was submitted to Judge Casault, of the Superior Court, in which one of the convicted persons, named James O'Brien, was liberated on a writ of Habeas Corpus. The contention was that section 101 of 36 Vic., chap. 129, intituled: "An Act respecting the shipping of Seamen," gave no jurisdiction to the Judge of Sessions when out of sessions. The contention was sustained, and O'Brien and all the other persons convicted under the same clause were liberated. Under these circumstances an amendment to the law may be found to be necessary.

The Report of the Chief Constable in Supplement No. 1 to this Report, gives a good deal of information on this important subject, and embraces suggestions worthy of consideration. 705 arrests were made and 2,434 seamen received the services and care of the Quebec Harbour Police during the past season.

The total amount expended in connection with this service for the last fiscal Year ended 30th June last, was \$22,094.4°, while the dues collected for the period amounted to \$14,118.21, showing a deficiency of \$7,976.27.

A detailed statement of the expenditure of the Quebec Harbour Police, showing the amounts disbursed for pay and clothing, maintenance of the Police steamers, and the contingencies, will be found in Appendix No. 15 to this Report.

MONTREAL.

From the Report of Mr. H. St. A. Ormond, the Inspector of the Harbour Police of Montreal, it will be seen that the force consisted, during the past season, of one Inspector (who is also Agent of the Department), receiving a salary of \$1,400 per annum, one Chief Constable, who received \$3 per diem, three sergeants who received \$1.50 per diem each, and 25 constables, who received \$1 per diem each, an increase of six constables over last year.

A gratuity of 25 cents per diem for the whole season was allowed to each of the sergeants and constables at its close.

From the report, which will be found in supplement No. 1, it appears that the number of persons arrested during the last fiscal year was 293, and the number who sought refuge at the police station was 110. These numbers do not include seamen temporarily cared for, and who were, when in a fit state for duty, placed on board their respective vessels, as requested by their officers. The desertions from vessels in the harbour during the past season of navigation has never been so great in previous years. This state of things was principally caused by the wages having advanced to a large extent. Successful measures having been taken to check the evil, a large number of deserters were captured, punished and restored to their vessels.

The total expenditure on account of the Montreal Harbour Police for the past fiscal year, as will be seen by referring to Appendix No. 15, was \$13,131.06, while the amount of Harbour Police dues collected at Montreal during the same period was \$7,391.94, showing an excess of expenditure over receipts of \$5,739.12.

The total amount expended during the past fiscal year at Quebec and Montreal on account of the Harbour Police service was \$35,225.54, and the amount voted for the service was \$35,090.

The total amount collected at Montreal and Quebec during the year ended 30th June last was \$21,510.15, being \$45.18 more than the amount collected during the previous year, and the expenditure of the past year was \$1,260.96 less than the amount expended during the previous period. The excess of expenditure over receipts during the past year was \$13,715.43.

The receipts and expenditure on account of this service during the past elever years are as follows, viz:-

J	,			Receipts.	Expenditure.
For fisca	l year ended	30th June	1870\$	23,996.68	\$ 18,461.8 3
"	"	"	1871	21,235.06	17,400.73
٤.			1872	27,215.80	20,348.00
"	u	"	1873	26,618.50	32,653.87
"	**	•6	1874	28,650.39	38,897.52
"	"	"	1875	25,620.09	37,895.00
"	46	"	1876	26,499.09	41,222.68
"	"	. "	1877	28,599.10	35,006.37
"	"	66	1878	26,702.43	37,560.14
"	"	u	1879	21,464.97	36,486.50
"	"	"	1880	21,510.15	35,225.54
	*		. 8	278,111.26	\$351,158.18
I	educt recei	ots from e	xpenditure	*******	278,111.26
r	educt receij	ots from e	*	278,111.26	\$351,158.18

SICK AND DISTRESSED MARINERS.

Under the provisions of the Act 38 Vic., cap. 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 once in each year. The receipts for the fiscal year ended 30th June last, amounted to \$42,523.20, being an increase, as compared with the receipts of the Preceding year, of \$4,743.63.

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 a number of years past, however, a grant has been made by Parliament of \$500 to the General Hospital at Kingston, and a similar amount to the General and Marine Hospital at St. Catharines, for the care of such sick seamen as may be received in 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 \$22,554.03, as will be seen by reference to Appendix No. 18. Of this sum \$56.35 was expended on account of shipwrecked and distressed seamen, and \$853.16 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 during the past fiscal year amounted to \$1,653.30. The amount of sick mariners' dues collected at the Port of Montreal during the same period was, \$3,594.81.

At the Port of Quebec sick seamen are provided for at the Marine and Immi-grant 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, as shown by Appendix No. 17, was \$19,991.22. The usual grant of \$2,666.67 was received from the Government of Quebec, and \$335.50 from paying patients' rent of beach-lots, &c., making the total amount deposited to the credit of the Receiver-General \$3,002.17, thus reducing the cost of maintenance to the Government of the Dominion to \$16,989.05. 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 49 in the hospital, having 1,088 days' treatment at \$716.60, the cost of sick seamen would amount to \$16,272.45. By reference, however, to the Report of the Resident Physician, it appears that during the past fiscal year, out of 886 patients admitted 408 were seamen, having 9,188

days' treatment; 49 were immigrants having 1,088 days' treatment, and 339 residents of Quebec, having 15,518 days' treatment in the hospital. As stated, therefore, in previous Reports, the amount contributed by the Government of Quebec towards the maintenance of the institution, 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, \$7,120,90; for immigrants, \$343.63, and for residents, \$12,026.69. Taking into consideration the total number of days spent in the hospital by seamen, immigrants and residents of Quebec, viz., 25,794, the cost per diem of maintaining each patient is about 77 cents.

The amount of sick mariners dues collected at the Port of Quebec during the last fiscal year, was \$10,099.82, being \$341.22 in excess of that of the preceding year; and the total amount collected in the Province of Quebec for the same period was \$15,891.66, instead of \$14,806.80 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 \$16,989.05, as above stated, amounts to \$19,551.86, showing an excess of expenditure over receipts of \$3,750.20.

The expenditure on account of sick and disabled seamen in the Province of New Brunswick amounted during the last fiscal year to \$9,954.99, and for shipwrecked and distressed seamen, to \$295.46, making a total expenditure of \$10,250.45, while the receipts for the same period amounted to \$10,539.80, showing an excess of receipts over expenditures of \$289.35. 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, 6; St. Andrews, 1; Richibucto, 2; and Sackville, 1.

In Appendix No. 18 details will be found of expenditure at the different hospitals.

The sick mariners' dues collected at the Port of St. John during the last fiscelly ear amounted to \$5,694.76, and the cost of maintenance of the Marine Hospital state place amounted to \$3,982.92.

In the Province of Nova Scotia Marine Hospitals have been established at the Ports of Yarmouth, Sydney, and Lunenburg. 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. The sum of \$5,833.96 was collected at Halifax during the past fiscal year as sick mariners' dues, and the sum paid the Provincial and City Hospital for the same period was \$4,497. At the other ports in the Province, where no hospitals exist, sick seamen are cared for under the direction of Chief Officers of Customs. By referring to Appendix No. 18 details will be found of the expenditure at the different ports. The total expenditure for sick and disabled seamen in Nova Scotia during the past fiscal year amounted to \$9,954.99, and for shipwrecked and distressed seamen, to \$1,373.77, making the total expenditure \$11,241.43, being \$2,133.23 less than that of the preceding year. The total receipts amounted to \$12,585.26, showing an excess of receipts over expenditure of \$1,343.83.

In the Province of Prince Edward Island the expenditure on account of sick, disabled, and shipwrecked seamen during the last fiscal year amounted to \$3,693.16, and the collections for sick mariners' dues, to \$753.54. A large portion of the expenditure was occasioned by the breaking out of small pox in some of the vessels arriving at the Island. Marine Hospitals have been established at the Ports of Charlottetown and Souris. At the former port a new hospital will be erected, the present building being quite unsuitable for the purposes required.

In the Province of British Columbia the sum of \$3,006.79 was expended during the past year for sick and disabled seamen, and the receipts of the Sick Mariners' Fund amounted to \$2,842.94. A Marine Hospital has been established at Victoria.

During the past fiscal year the sum of \$3,285.37 was paid to Her Majesty's Government to reimburse expenses incurred in caring for shipwrecked and distressed Canadian seamen at foreign ports.

The total expenditure by this Department on account of sick, disabled, ship-wrecked 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 a Marine Hospital at Quebec, amounted to \$55,031.23, being \$3,206.11 less than that of the preceding year, and \$8,968.77 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 \$42,523.20, the excess of expenditure over receipts amounted to \$12,508.03. 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 \$12,870.32, the expenditure would amount only to \$42,160.91, and there would be an excess of receipts over expenditure of \$362.29.

The receipts and disbursements in connection with this Service during the last twelve fiscal years are as follows:—

					Receipt	8.	Disbursem	ents.
For fiscal year	ended	30th June,	1869		\$ 31,3 5 3	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
44	"	"	1873	•••••	37,136	10	41,016	4 3
"	"	"	1874	•••••	41,500	16	59,778	90
"	"	"	1875	•••••	37,801	4 6	50,684	76
"	"	"	1876		41,287	66	48,828	4 9
"	"	"	1877		43,739	21	51,647	94
"	"	"	1878		44,665	07	43,780	99
"	"	"	1879	• • • • •	37,779	57	42,729	36
"	"	"	1880	•••••	42,523	20	42,160	91
					\$453,7 91	72	\$ 500,563	5 8
Deduct	receip	ts from exp	enditu	re	• • • • • • • • • • • • • • • • • • • •	•••••	453,791	72
Balance	to del	bit of Fund.	•••••	•••••	• . • • • • • • • • •		\$46,771	86

IMPROVEMENT OF HARBOURS.

Under the provisions of the Act 32 and 33 Victoria, 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 12th April last, the Port of Bathurst, N.B., was excepted from the provisions of the Proclamation referred to, and the tonnage duty on vessels entering the hariour no longer enforced, as the amount collected was considerably in excess of the amount expended, and no further improvements to the harbour were required.

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	Nil.	
Amherst and House Harbour, Magdalen Islands		
Bathurst, N.B.	298	64
Richibucto, N.B	637	5 6
South Bay, Ingonish		92
- -	1.091	00

The amount collected for the year ended 30th June, 1879, was \$1,448.13.

The sum of \$753.41 was expended by the Department of Public Works at Richibucto, and the sum of \$87 at South Bay, Ingonish.

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 1,264 certificates to engineers, being 101 more than issued in the preceding year. The certificates granted are classed as follows: First, second and third class engineers, 424; first, second and third class assistant engineers, 601; limited and confined to special steamers, 123. The sum of \$2,946 was received by the chairman as fees for certificates, and deposited to the credit of the Steamboat Inspection Fund, being an increase of \$58 over the amount received during the preceding year.

The total number of steamboats in the Dominion is 797, having a gross tonnage of 158,862 tons and 97,552 tons register. Of this number 214 belonged to the West Ontario, Huron and Lake Superior Division; 113 to the East Ontario Division; 133 to the Montreal Division; 54 to the Three Rivers Division; 107 to the Quebec Division; 116 to the Maritime Provinces; 40 to British Columbia, and 20 to Manitoba. Of the whole number, 294 were paddle, 503 screw, 361 passenger steamers, 77 freight, and 359 tugs.

During the last calendar year, 65 new steamers were added to the list, having a gross tonnage of 6,325 tons, and 4,228 tons register. During the same period 36 steamers were lost or put out of service, having a gross tonnage of 4,999 tons and 3,318 tons register. This shows a gain in steamers of 29, and of gross tonnage 1,326 tons, and 910 tons register. The principal increase in tonnage was in East Ontario, Quebec and British Columbia Divisions.

The amount received during the last fiscal year on account of tonnage dues, inspection of steamboats, and certificates to engineers, was \$15,424.02, of which sum \$12,762.02 was for tonnage dues and inspection fees, and \$2,662 for certificates to engineers. This shows an increase in receipts as compared with the preceding year of \$3,191.86 in tonnage dues and inspection fees, and a decrease of \$99 in fees for certificates, or an increase on the whole of \$3,092.86. The expenditure for steamboat inspection during the past fiscal year as will be seen by reference to Appendix No. 11, amounted to \$11,854.34, and as the receipts amounted to \$15,424.02 there is a surplus for the past year of \$3,569.68.

The Chairman in his report refers to the wreck of the Steamer "Zealand" in November last, at Long Point, Lake Ontario, with the loss of her entire crew consisting of eighteen all told, and of the Propeller "Simcoe" in the same month, off Manitoulin Island, Lake Huron, with a loss of twelve out of a crew of seventeen persons, and points out the necessity for the appointment of an Inspector of Hulls, to determine as to the seaworthiness or otherwise of such vessels. The question of making such appointment is under the consideration of the Department. A statement of the different casualties in the respective Divisions will be found in the Report of the Chairman.

The question of amending the Steamboat Inspection Act in regard to the testing of boilers, and also of exempting steam pleasure boats, used exclusively for pleasure or private use without hire, is at present under consideration.

It will be seen by the following comparative statement of receipts and expenditure on account of Steamboat Inspection Fund for the past eleven fiscal years, that during that period the entire receipts, \$150,486.61, have exceeded the expenditure, \$122,231.06, by the sum of \$28,255.55, which remains as a balance to the credit of the Fund.

				٠	Receipt	s.	Expenditure.
For fiscal	year ended	30th June,	1870	•••••	\$12,521	2 9	\$ 7,399 18
"	"	"	1871	•••••	10,369	96	8,321 00
"	"	"	1872	•••••	11,710	4 3	8,500 00
"	"	"	1873	•••••	15,412	75	11,205 54
"	"	"	1874		15,603	19	10,291 58
"	"	"	1875	•••••	15,011	90	12,199 81
"	"	"	1876		13,811	24	13,081 86
"	"	"	1877	a , ••••	15,859	42	13,073 01
· ·	"	"	1878		12,431	25	13,228 28
46	"	"	1879	•••••	12,331	16	13,076 46
	"	"	1880	•••••	15,424	02	11,854 34
					\$ 150,486	61	\$122,231 06

Deduct expenditure from receipts.... 122,231 06

Excess of receipts over expenditure... \$28,255 55 xxxviii

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, 1880, 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 fourteen meetings were held, nine at St. John, three at Charlottetown, five at Quebec, and nine at Yarmouth. At Halifax the number of masters who succeeded in passing and obtaining certificates of competency was 24, and the number of mates 29, while 20 candidates failed as masters, and 10 as mates. At the port of St. John 16 candidates passed for the grade of master, and 21 as mates, and four as second mates, while 9 failed as masters, and 12 as mates. At the port of Charlottetown 4 candidates passed for the grade of master, and 4 as mates, while 12 failed as masters. At the port of Quebec 9 candidates succeeded in passing for the grade of master, and 1 as mate, and 2 as second mate, while 2 failed as master, and 1 as mate. At the port of Yarmouth 24 candidates passed for the grade of master, and 22 as mates, while 9 failed as master and 8 as mates. It will thus be seen that during the past year, out of 129 candidates that presented themselves at the ports named for examination as masters, 77 succeeded in passing, and 52 failed, and that out of 114 that applied for examination as mates, 83 passed and 31 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 3ist December, 1880, is 1,123, and the amount paid for these certificates, at the rate of \$10 each, \$11,230. During the same period 517 candidates received certificates of competency as mates, and the amount paid, at the rate of \$5 each, was \$2,585. 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, 1880. During the calendar year 29 certificates of service for the grade of master, and 8 for that of mate, have been granted.

The total number of certificates of service issued since the Act came into operation is 858 for the grade of master, and 300 for that of mate, making a total of 1,158 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

The fees received on account of certificates of competency and service during the fiscal year ended 30th June, last, was \$1,547, and the amount expended on account of this service, as will be seen by reference to the statement published in supplement No. 1 to the General Report, was \$4253.43. 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 \$3.43. A list of certificates cancelled during the last calendar year will also be found in Supplement No. 1 to this Report.

On the 8th November last Lieutenant D. M. Browne, R.N., of Halifax, N.S., was appointed an Examiner of Masters and Mates and Acting Chairman of the Board of Examiners during the temporary absence, in Europe, of the Chairman, Capt. P. A. Scott, who was sent to England on public business.

Applications having been frequently received by the Department for permission to clear vessels loaded and ready for sea, without the duly certificated officers required by law, the Minister of Marine considered it advisable to remind shipowners that they should take the necessary steps to provide such officers, in time, and not delay this important matter until their vessels are ready for sea, as such applications, in future, would not be entertained by the Department. Circulars to this effect were printed on the 1st February last, and circulated for the information of shipowners.

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

				Expendit	ure.	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
"	"	44	1877	4,050	00	1,740 50
44	"	"	1878	4,249	76	1,296 50
"	"	"	1879	4,250	12	1,334 50
"	"	"	1890	4,253	43	1,547 00
			•	\$43,880	90	\$ 19,957 37
				19,957		+20,001 O1

Excess of expenditure ever receipts \$23,923 53

WRECKS AND CASUALTIES.

The total number of 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, 1880, were 323, representing a tonnage of 1.9,042 tons register, and the amount of loss, both total and partial, so far as ascertained, was \$3,078,816.

The number of lives lost in connection with these disasters was 174, viz.: 64 in Canadian waters, and 110 in waters other than those of Canada.

The disasters reported to this Department as having occurred to vessels on the inland waters of Canada, during the last calendar year, were 49, and the tonnage involved in these casualties was 10,705 tons register. The amount of loss sustained is estimated at \$192,030, and the number of lives reported lost was 49.

When the wreck register was closed for publication at the close of 1879 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. 1 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 1879. The total number of casualties reported for 1°79 after the wreck register was closed for publication, was 115, involving a tonnage of 38,606, and 18 lives were reported lost in connection with them. The total amount of loss, so far as was as certained, was \$617,77?, making the total number of casualties for 1879 to be 533, the number of tons involved 198,364, the number of lives lost 339, and the amount of loss and damage to be \$4,119,233.

The fine wooden ship "Gondolier," of Charlottetown, P.E.I., 3 years old, classed at English Lloyds, was stranded on the east end of Sable Island and became a total loss, on the 3rd of June last, while on a voyage from Rotterdam to New York. By this casualty three 'lives were lost in attempting to land on the Island. Seven of the crew succeeded in reaching the Island and were taken care of at the Humano station. The balance of the crew, eight in number, got on board an American schooner and were landed at Halifax. This fine vessel was valued at \$50,000, and was insured for \$25,000. The cargo was valued at \$21,000. An enquiry was held into the cause of the loss of this vessel, at Halifax, by Captain P. A. Scott, R.N., the Chairman of the Board of Examiners of Masters and Mates, and the Court suspended the master's certificate of competency for six months, and censured the 1st and 2nd officers for not suggesting to the master the desirability of heaving the lead. Court held that a few casts of the lead previous to the stranding would have prevented the accident.

The schooner "Bride," 21 tons register, valued at \$500, was lost on the N.E. bar of Sable Island on the 8th Dec. last, and became a total wreck. No lives were lost by the casualty. The vesse was 7 years old and measured 21-tons register. No wrecks were reported from St. Paul's Island during the last calendar year.

The wooden barque "Eblana," of St. John, N.B., 11 years old, 651 tons register, was wrecked at Negro Head, about ten miles to the westward of St. John, on the 8th March, 1880, while on a voyage from Newport, Wales, to St. John, with a cargo of coal. The vessel became a total loss, and was valued at \$18,000. The cargo was valued at \$500. The vessel was insured for \$18,000. By this casualty seven lives were lost. The vessel was owned by Mr. George Carvill, of St. John, N.B.

The fine wooden ship "Alexander Mackenzie," of St. John, N.B., 1,000 tons register, was totally wrecked near Flushing, Holland, on the 27th December, 1879, while on a voyage from New York to Antwerp with a cargo of grain. The ship was only four years old, was classed in French Lloyds, and was valued at \$35,000. The cargo was valued at \$72,000. No lives were lost by this casualty. The vessel was owned by Mr. G. H. Steeves, of Liverpool, G.B.

The fine iron steamship "Lake Champlain," registered at Montreal, official number 71,612, collided with the "E. J. Harland," in the Atlantic Ocean, on the 19th November last, while on a voyage from Montreal to Liverpool, with a cargo of grain and cheese. The "Lake Champlain" was damaged to the extent of \$7,000, and the cargo was damaged to the extent of \$70,000.

The iron steamship "Cybele," of Glasgow, 1,277 tons register, official number 68,078, was totally lost at Heath Point, Anticosti, in the Gulf of St. Lawrence, on the night of the 15th of August last, while on a voyage from Glasgow to Montreal, with a general eargo. This casualty is attributed to a haze, which caused the shore to appear more distant than it really was, and to a current setting the ship on the reel where she was wrecked. No lives were lost by this casualty. The ship was valued at \$95,000. The value of the eargo is unknown. The ship was owned by Mr. John Donaldson, of Glasgow.

The wooden ship "Edith Troop," 1,232 tons register, official number 64,584, 8 years old, of St. John, N.B., left New Orleans for Calais, France, with a cargo of grain on the 23rd of April, 1880, and on the 10th of May following she was seen in the vicinity of ice. Since that time she has not been heard of. By this casualty 25 lives were lost. The ship was valued at \$40,000. The cargo was estimated to be worth \$88,000. The vessel was owned by Messrs. Troop & Son, of St. John, N.B.

The wooden barque "Clansman," of Charlottetown, P.E.I., 2 years old, 566 tong register, official number 77,677, sailed from Swansea to Valparaiso with a cargo of coal, and has not since been heard of. The ship was valued at \$23,000, and was insured for \$20,000. The cargo was valued at \$2,000. By this casualty 12 lives were lost. The vessel was owned by Mr. Wm. Richards, of Bideford, P.E.I.

The wooden barque "Nenuphar," of Yarmouth, N.S., official number 61,835, 846 tons register, was abandoned at sea on the 28th of March last, while on a voyage xlii

from Baltimore to Londonderry with a cargo of grain. The ship was thrown on her beam ends, but appears to have righted on cutting away the masts, as the crew pumped her dry the next day; but it was found that the vessel was too much disabled to continue the voyage, and she was abandoned. No lives were lost by this casualty. The crew were taken on board of the ship "Washington." The "Nenuphar" was valued at \$25,000, and the cargo was estimated to be worth \$70,000.

The schooner "G'adiator," of Yarmouth, N.S., 115 tons register, left Yarmouth for Antigua on the 7th September last, and was subsequently found bottom up in lat. 41.24 N., long. 63.24 W. The value of the vessel was \$4,000. The cargo was valued at \$2,500. By this casualty 6 lives were lost. The vessel was 15 years old, and was owned by Messrs. Parker, Aikins, & Co., of Yarmouth, N.S., and was insured for \$2,500.

The wooden ship "Isabella Mott," of Annapolis, N.S., 1,153 tons register, was abandoned at sea on the 22nd of March last, while on a voyage from New York to Antwerp with a cargo of grain. The vessel met with severe weather, and was abandoned in a sinking condition. The crew were taken on board of a passing vessel. The "Isabella Mott" was 6 years old, and was classed in French Lloyds. She was valued at \$45,000, and the cargo is supposed to have been worth \$60,000.

The wooden barque "Bristolian," of Liverpool, G.B., 870 tons register, was totally wrecked at Anticosti on the 22nd of November last, while on a voyage from Quebec to Glasgow with a cargo of timber. By this casualty five lives were lost. The vessel was 20 years old, and was valued at \$17,000. The value of the cargo is unknown.

The wooden barque "C. F. Elwell," of Yarmouth, N.S., 9 years old, and measuring 755 tons register tonnage, left New Orleans for Rouen, France, with a crew of 13, laden with grain, and has not since been heard of. The vessel was valued at \$14,000, and was insured for \$13,000. The cargo was valued at \$00,000. The ship was 9 years old, and was classed in French Lloyds, and was owned by parties in Yarmouth.

The wooden steamer "Simcoe," of Collingwood, official number 78,023, 431 tons register tonnage, foundered in Lake Huron, about 15 miles south-west of Providence Bay, Manitoulin Island, on the 24th of November last, while on a voyage from Chicago to Collingwood with a cargo of corn, flour and pork. The vessel got caught in a severe storm, her gangways were stove in and she foundered. By this casualty 12 lives were lost. The vessel was 8 years old, was insured for \$12,000, and wat valued at \$24,000. The cargo was valued at \$9,000. The "Simcoe" was owned by Mr. Charles Cameron and others.

The wooden steamer "Zealand," of Hamilton, official number 71,159, 5 years old, left Toronto for Montreal on the oth November last, and has not since been heard will

from. From wreck material subsequently found the vessel is supposed to have found dered near Long Point, in Lake Ontario. The cargo was valued at \$16,000, and the vessel at \$27,000. The vessel was insured for \$18,400, and the cargo for \$14,000. The vessel was owned by Mr. Edward Zealand, of Hamilton. By this casualty 17 lives were lost.

The schooner "Norway," of Kingston, official number 72,583, 332 tons register was stranded at Duck Island, Lake Ontario, on the 7th November last, while on strong from Toledo to Kingston with a cargo of timber. The vessel encountered severe storm on the night of the 6th November, which carried away her masts and swept the crew, 9 in number, overboard. The vessel was damaged to the extent of \$5,000, and the cargo was damaged to the amount of \$1,500. The vessel was owned by Messrs Calvin & Sons, Garden Island, Lake Ontario. By this casualty 9 lives were lost.

The schooner "Belle Sheriden," of Toronto, official number 74,394, 292 tons register, was wrecked in Lake Ontario on the 6th November last, while on a voyage from Oswego to Toronto with a cargo of coal, and became a total loss. The vessel was 28 years old, and was valued at \$4,000. The cargo was valued at \$1,500. By this casualty 6 lives were lost.

Comparative Statement of the Losses reported to the Department since 1870.

This Statement includes both total and partial loss to Vessels and Cargoes.

			Casualties	Tonnage.	Lives Lost	Damag ^e
For the Year ending	31st December,	1870	335	82,008	210	901 00
do	ďo	1871	274	81,025	81	2,100.00
do	do	1872	290	99,109	237	2.507.33
do	đo	1873	350	99,523	*813	2 84 1.13
do	do	1874	308	106,862	109	2 0.09 90
do	đo	1875	286	99.427	78	2.468.52
do	do	1876	452	153,368	404	2.942.90
do	do	1877	468	177,896	153	9 052.50
do	do	1878	414	161,760	187	3.441.87
do	do	1879	533	198,364	339	4 119 22
đo	do	1880	323	139,042	174	3,078,81

Of this number 545 persons were lost by the wreck of the steamship "Atlantic" on the 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 1st January last, viz.: The appointment of John J. Campbell, Shipping Master at the Port of Caledonia, N.S., on the 18th March last; the appointment of Jacob Schuman, Shipping Master at the Port of Summerside, P.E.I., on the 10th May last, and the appointment of Thomas H. Miller, Shipping Master at the Port of Bear River, N.S., on the 29th June last.

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

The Shipping Master at St. John shipped during the year, 4,279 seamen, discharged 2,272, and received as fees at the rate of 50 cents for each seaman shipped, and 30 cents for each seaman discharged, \$2,821.10, out of which he paid for Assistant and incidental expenses, \$841.50, leaving the net income of his office **\$**1,979.60.

The Shipping Master at Halifax shipped during the year 3,339 seamen, discharged 2,357, for which he received \$2,376.60, out of which, after deducting expenses, he had as remuneration \$1,252.00.

The Shipping Master at Montreal shipped during the year 1,491 seamen, discharged 174, and received as fees \$797.70.

At the Port of Quebec, the total number of seamen shipped from the 1st January to 31st December, last, was 1,307, of which number 731 belonged to British, 490 to Dominion, and 86 to foreign vessels. 424 seamen were discharged during the same Period, of whom 252 belonged to British, and 172 to Dominion vessels. In addition to these, 205 wrecked seamen were discharged without payment of fees. The total amount of fees received during the calendar year was \$770.60, being \$211.10 more than the Preceding year, and deducting the sum of \$160.93, being the amount of incidental expenses, the balance, \$609.67 reverted to the Treasury.

At the Port of Chatham, N.B., 253 seamen were shipped, 73 discharged, and fees to the amount of \$148.40 received by the Shipping Master.

At the Port of Pictou, N.S., 567 seamen were shipped, 308 discharged, and fees received to the amount of \$375.90,

At the Port of Liverpool, N.S., 466 seamen were shipped, 257 discharged, and fees to the amount of \$310.10 received.

At the Port of Lunenburg, N.S., 567 seamen were shipped, 485 discharged, and to the amount of \$429.00 received.

At the Port of Yarmouth, N.S., 540 seamen were shipped, 412 discharged, and to the amount of \$393.60 received.

PILOTAGE AUTHORITIES.

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	3,034.89
"	In Treasurer's hands	234.92
Deduc	t arrears due on pensions	\$5 6,622.52 128.12
	·	\$ 56,494.40

The number of pilots on the active list, on the 31st December last, was 185, being 12 less than reported last year, and the number of apprentice pilots was 38, being 2 an addition of six to the number last reported. Five young men after examination were indentured as apprentice pilots. Four pilots were pensioned, three died, one was suspended and one fined. Of pilots on the active list 24 were in the employ of Steamship Companies, and in charge of Dominion steamers and light vessels. The number of decayed pilots on the list is 44, and the pensions rarge from \$80 to \$120. 84 widows receive a pension of \$70, 11 widows \$56, 7 widows \$44, 14 widows \$40, and 21 children pensions ranging from \$10 to \$20. The amount paid for pensions during the year was \$11.865.52, and the percentage on contributions of pilots to the fund amounted to \$10,452.70, and the sum of \$3,187.52 was received for interest. The total receipts on account of the fund for the year, including a balance from the preceding year, amounted to \$15,969.64, and the expenses amounted to \$15,734.72.

The net earnings of the pilots during the past season amounted to \$124,450.80, giving to each pilot on the active list a dividend of \$680.

The Commissioners report that six trials were held by them during the season; five on complaints of ship-masters, and the other on complaint of the Corporation of Pilots. In three of these cases the pilots were acquitted; one case was dismissed; in another a pilot was found guilty and fined; and in another the pilot was found guilty, and suspended.

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 xlvi

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 51 pilots on the active list, and that five new pilots were licensed, and a temporary license granted to one pilot, in accordance with the 36th section of the Act 36 Vic., chap. 54, and two pilots superannuated. The number of apprentices is 24. The total earnings of the pilots amounted to \$17,884,95, being in excess of the previous year by the sum of \$9,354.78. The Decayed Pilot Fund continues in a very satisfactory condition, the amount received for poundage being \$2,394.23, an increase of \$470.16 over that of the previous year; the interest on investments, &c., was \$1,836.96, and sundry receipts \$24, making a total of \$4,255.19,—the total increase in the Fund being \$1,904.08. There are 25 pensioners on the Fund, viz., twenty women and five men, and the pensions paid amounted to \$2,166.57.

The Fund now amounts to \$35,213.39, and \$24,000 of this is invested in Harbour Bonds, \$2,000 in Water Works Bonds, \$1,600 in Dominion Stock, \$5,000 in City of Montreal Consolidated Fund, \$2,561.51 in City and District Savings Bank and \$51.88 in the hands of the Treasurer.

In the Report of the Pilotage Authority will be found a statement of the casualties occurring on the river, which were all of a minor character, with the exception of two, which occurred on the 22nd of November last, when the steamer "Ottawa" ran aground at Cap La Roche, and the ship "Boyne" struck a boulder at the same place, and became a complete wreck. No complaints in these cases were made against the pilots, but an enquiry has been ordered by the Commissioners.

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 \$29,691.60 was received as pilotage dues during the year ended the 31st of December last, being \$8,076.97 in excess of the previous year. These dues were received from 647 vessels, of which 359 were British and 288 foreign. There are 41 licensed pilots, and seven pilot boats. From the statement given of receipts and expenditure it appears that the receipts from licenses granted to pilots and pilot-boats, and a proportion of pilotage dues deducted from all vessels on outward pilotage, and on vessels going to sea without pilots, together with interest on bonds invested, amounted to \$2,861.07, and the expenditure, including pensions paid to retired pilots and widows and children, salary of Secretary, rent, fuel, and other charges amounted to \$2,192.75, leaving a balance to the credit of the Pilot Fund of \$668.73.

HALIFAX, N.S.

From the returns received, it appears that a sum of \$12,183 was received as pilotage dues during the year ended 31st December last, of which \$10,240.50 was xlvii

received from British, and \$1,942.50 from foreign vessels. The receipts from commission on pilotage collected, outward pilotage, renewals of licenses, &c., amounted to \$2,063.55, and the expenditure for Secretary's salary, office rent, taxes, &c., amounted to \$1,599.07, leaving a balance of cash on hand of \$467.48. There are 16 licensed pilots at this port.

MIRAMICHI, N.B.

In this district there are 36 licensed pilots. During the past season, 355 vessels reported inwards, and 351 outwards. The total amount of pilotage dues received was \$20,594.86, of which amount \$4,195.74 was received from British, and the balance from foreign vessels. The sum of \$191 was received for renewal of licenses, and this sum was expended in payment of Secretary's salary, examination of pilot-boats, and contingent expenses.

During the past year a new Pilotage Authority was established for the ports of St. Mary's and Liscomb, N.S.

In addition to the pilotage districts above mentioned, returns have been received from the districts of Buctouche, Bathurst and Caraquet, Charlotte, Cocagne and Restigouche, in New Brunswick; Antigonish, Digby, Great and Little Bras d'Or, Hants, North Sydney, Pugwash, Wallace, Pictou and Richmond, in Nova Scotia; Crapaud and New London, Prince Edward Island; Nanaimo, Victoria and Yale and New Westminster, British Columbia. These returns will appear in Supplement No. 1 to this Report.

HARBOUR COMMISSIONERS AND HARBOUR MARTERS.

In Supplement No. 1 to this Report will be found reports of the Harbour Commissioners at Toronto, Montreal, Quebec, Pictou and North Sydney, 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 tolls amounted to \$6,451.37, showing a falling off, as compared with the preceding year, of \$2,407.99. The total revenue for the year amounted to \$9,482.19, and the expenditure to \$9,461.96. The number of vessels that arrived at the port during the season was 2,221. From the Report of the Harbour Engineer it appears that during the year dredging to the extent of 43,811 cubic yards was carried out in connection with different slips and docks, at a cost of \$5,242.47.

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 710 sea-going vessels arrived in port during the past season, of the aggregate tonnage of 628,271 tons, 395 xlviii

of which were built of iron of the aggregate tonnage of 523,638 tons, and 315 were of wood of the aggregate tonnage of 104,623 tons. Of this number 354 were steam Yessels of the aggregate tonnage of 475,741 tons, and 356 sailing vessels having a tonnage of 152,530 tons. 643 of these vessels were British, and the rest foreign. The number of vessels that arrived the previous scason was 612, having an aggregate tonnage of 506,969 tons. It will thus be seen that there has been a large increase during the past season as compared with the preceding. The increase in the number and tonnage of inland vessels that arrived in port was also largely in excess of the previous year, the number being 6,489 in 1880, and 5,698 in 1879; and the tonnage 1,044,380 in 1880, and 817,243 in 1879.

From the Harbour Engineer's Report it appears that the principal works performed during the past year were the enlargement and deepening of the Windmill Point Basin, the renewal of the old wharf and the completion of the new, dredging the main channel opposite the wharves and the further deepening and improvement of the main ship channel through the harbour, and the fitting up of the electric light on the wharves in the central part of the harbour.

The receipts of the Harbour Commissioners from all sources during the past Year amounted to \$573,760.73. The net revenue from wharfage, tonnage, harbour dues, &c., amounted to \$326,424.69, while for the previous year it amounted to \$265,349.89, showing an increase of \$61,074.80, being largely in excess of any previous Year. The sum of \$140,000 was received from the Dominion Government on account of new channel operations, \$100,000 from sale of debentures, and \$7,336.04 from rents and other sources. During the year the sum of \$149,898.39 was expended in new channel operations, \$36,079.51 in dredging, \$112,721.36 interest on harbour debt, \$58,902.74 Dominion Government interest, and \$104,098.11 in works, repairs and incidental expenses, making the total expenditure \$462,300.13. The Commissioners report that, while receipts from wharfage are largely in excess of any previous years the local traffic continues to fall off, owing to the increased railway facilities.

The Report of the Harbour Commissioners for the Port of Quebec, with accom-Panying statements, will be found in Supplement No. 1. It will be seen from these statements that the total revenue of the Commissioners during the past year, arising from tonnage dues, harbour dues, revenue from property, interest &c., amounted to \$76,705.07, while for the preceding year it amounted to \$64,721.45, showing an increase of \$11,983.62 for the past year. Of the revenue received \$33,424.36 was for tonnage dues, \$18,839.40 for export, import and harbour dues, \$19,523.85 for revenue from property, and the balance for interest and sundries. The expenditure, including Salaries of officials, interest and sinking fund on \$723,000 debentures and sundries, amounted to \$61,532.45, showing an excess of revenue over expenditure of \$15,172.62. The total value of the assets of the Corporation are given as \$1,673,290—including Wharves and other properties, harbour improvements and graving dock—and the liabilities as \$1,518,676.68.

The Commissioners report that the contractors for the harbour improvements in the River St. Charles will not be able to fulfil their engagement to complete their contract by the 1st October, 1882, and have asked for an extension of time, which request is under consideration. The graving dock works at St. Joseph de Levis have been retarded in some measure, owing to unusually low tides in the spring and early summer. The lifting barge has been busily engaged during the past season in removing boulders, anchors and other obstructions to navigation in the harbour.

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 \$2,219.30, and the expenditure to \$378.37, leaving a balance in hand with amount remaining from preceding year, of \$2,248.81. The Commissioners report that they contemplate expending a large portion of the balance in hand in building a ballast wharf.

The Report of the North Sydney Harbour Commissioners for the year ended 31st December last, will also be found in Supplement No. 1, together with statements of account, and the Report of Harbour Master. The harbour dues and moneys collected amounted to \$959.28, and the expenditure to \$723.46, leaving a balance in the Commissioners' hands of \$235.82. From the Harbour Master's Report, it appears that during the past season 1,153 vessels arrived at the Port of North Sydney, having an aggregate tonnage of 245,220 tons. In this number, however, are included vessels calling for orders and those loading within the harbour, as well as those which entered at the port.

In Supplement No. 1 to this Report, will be found Reports from a number of Harbour Masters at the more important ports, appointed under the Acts 35 Vic., chap. 42, 36 Vic. chap. 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:—

John A. McGowan, for Shelburne, N.S., on the 22nd January, at a salary not to exceed \$200 of the fees collected, in the room of James Muir, deceased.

James A. Halliday, for New Westminster, B.C., on the 23rd January, at a salary. not to exceed \$100 of fees collected. Has since resigned.

James E. Hatfield, for Grenville, N.S., on the 5th March, at a salary not to exceed \$200 of fees collected.

Edward O'Bryan, for Halifax, N.S., on the 18th March, to receive the fees of office, in the room of Elijah Wood, deceased.

James D. Sowerby, for Oak Bay, P.Q., on the 22nd March, at a salary not to exceed \$200 of fees collected.

Michael McElroy, for Miminegash, P.E.I., on the 12th April, at a salary not to exceed \$100 of fees collected.

Louis Paré, for Lachine, P.Q., on the 19th April, at a salary not to exceed \$300 of fees collected.

Samuel Morris, for Advocate, N.S., on the 10th May, at a salary not to exceed \$100 of fees collected.

Jas. D. McMillan, for Cove Head, P.E.I., on the 15th May, at a salary not to exceed \$100 of fees collected.

D. F. St. Aubin, for Matane, P.Q., on the 12th June, at a salary not to exceed \$200 of fees collected, in the room of Edward Lacroix, resigned.

Finlay Rankin, for Mabou, N.S., on the 23rd June, at a salary not to exceed \$100 of fees collected.

Leonard Jewers, senior, for Beaver Harbour, N.S., on the 5th July, at a salary not to exceed \$100 of fees collected.

John De Grace, for Shippegan, N.B., on the 10th August, at a salary not to exceed \$100 of fees collected, in the room of Peter De Grace, resigned.

George Brunidge, for Tidnish, N.S., on the 10th August, at a salary not to exceed \$100 of the fees collected.

Angus McQuarrie, for Glasgow and Cape Breton Pier, N.S., on the 30th October, at a salary not to exceed \$300 of the fees collected.

Michael J. Neville, for International Pier, N.S., on the 30th October, at a salary not to exceed \$300 of the fees collected.

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; Rimonski, Rivière du Loup, Rivière Ouelle, Malbaie, Eboulements, L'Islet and Berthier, in the Province of Quebec; Maitland, Oak Point, Digby and Delap's Cove, in the Province of Neva Scotia; and Clifton, in the Province of New Brunswick. At the Port of Cow Bay, Cape Breton, N.S., the Pier or Breakwater purchased under the provisions of the Act 37 Vic., chap. 18, is also under the management of this Department, but the tonnage dues imposed on vessels calling at the Pier, and tolls for goods landed thereon, which were formerly collected by the Chief Officer of Custo as at finger by Order in Council of 15th April, 1879.

By referring to Appendix No. 30, a statement will be found of the amounts collected from the Wharves and Piers under the charge of the Department. The total amount collected was 4274.84.

By Order in Council of the 10th May last, Mr. Benjamin McCaul was appointed Wharfinger of the Pier at Delap's Cove, N.S., to receive as remuneration for his services 25 per centum of the amount collected.

By Order in Council of the 31st August last, Mr. Garret Hodnet was appointed Wharfinger of the Wharf at Clifton, N.B., to receive as remuneration for his services 25 per centum of the amount collected.

By Order in Council of the 5th July last, the maintenance and ordinary repairs of Harbours, Wharves, Piers and Breakwaters are to be attended to by the Department of Public Works.

METEOROLOGICAL SERVICE.

In Appendix No. 34 will be found the annual Report of the Meteorological Service of Canada, for the year ended 31st Dec. last, as given by the Superintendent, Mr. Carpmael, of Toronto, who was appointed to this position in February last, on the retirement, from ill-health, of Professor Kingston, who had been Superintendent of the service from its first establishment, and to whose exertions its existence was largely due. The Superintendent reports a gratifying increase in the number of volunteer observers, and a high degree of accuracy in the storm-warnings issued during the year. The number of warnings issued during the year was 889, being an increase over the number issued in 1879 of 177. The increase was owing to the larger number of stations on the lakes than formerly.

The total number of weather predictions was 5,106, and the high percentage of verification of last year, viz, 93.6, fully maintained. The number of places receiving probabilities was more than quadrupled during the past year.

Details as to the working of the service, with lists of the chief and other stations, will be found in 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, \$6,630; Chief stations, \$4,900; Telegraph and drum stations, \$5,747.50. Instruments, stationery and books, \$4,009.07; Telegraphing, \$10,532.46; Expenses of stations, &c., \$1,033.05; Miscellaneous, \$3,547.91.

OBSERVATORIES.

In Appendix No. 35 will be found the Report of the Magnetic Observatory at Toronto, for the year ended 31st December last. The sum of \$4,890 was voted by

Parliament for the purposes of this Observatory; and in Appendix No. 24 will be found a statement of the expenditure for the fiscal year ended 30th June last.

An appropriation of \$2,400 was made by Parliament for the Observatory at Quebec; \$1,200 for the Observatory at St. John; \$500 each for the Observatories at Montreal and Kingston; and the reports of the directors of these institutions will be found with the Appendices to this Report.

An allowance of \$100 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.

PORT WARDENS.

MONTREAL.

The office of Port Warden of Montreal was established in the year 1863, under the provisions of the Act 26 Vic., cap. 52, the appointment being made by the Governor in Council, on the recommendation of the Board of Trade of Montreal. Council of that Board was empowered to appoint a Board of Examiners, five in number, to examine all candidates for the office of Port Warden, and such number of Deputy Port Wardens as the Council might deem necessary for the business of the harbour. The Port Warden is bound, at his own expense, to keep his office always open during certain hours on lawful days; to have a seal of office and the necessary books in which to record his fees and matters pertaining to the office. The Act does not appear to have contemplated the accumulation of any money—the fees being made payable to the Port Warden for services performed by him and his deputies; but an amended Act, 29 Vic., cap. 59, allowed the Board of Trade, if they saw fit, to fix a salary to the Port Warden, to include the remuneration to his deputies, and the expenses of the office, or otherwise, as might be arranged; and any balance which might appear from his certified annual return was to be paid over by the Port Warden to such Person as the Board of Trade should depute to receive the same. The Act of 1874 further, in amendment, requires the Port Warden to transmit yearly, within seven days after the 1st of January, to the Minister of Marine and Fisheries, a report of the business done in his office, and of the receipts and expenditure thereof, in such manner and form as the Minister may direct.

The duties of the Port Warden consist inter alia in examining the condition and towage of cargoes on board vessels, and, if any goods are damaged, in ascertaining the cause and making a record of the same in his books of office. He is also, when required, to proceed to any vessel, warehouse, dwelling or wharf, and examine and make a similar record of any goods at leged to be damaged on board any vessel. In like manner he shall, when required, be surveyor on any vessel which may have suffered wreck or damage, or which shall be deemed unfit to proceed on her voyage; he shall also be surveyor of the repairs necessary to render the vessel seaworthy, and

his certificate that these repairs have been properly made shall be evidence that the vessel is seaworthy. He is also to have cognizance of all matters relating to the survey of vessels and their cargoes arriving in port damaged, and, when required, shall give certificates of such surveys. He is likewise, when required, to estimate the value and measurement of any vessel, when the same is in dispute or otherwise needed, and hear and arbitrate upon any difficulty or matter in dispute, between the master or consignee and any proprietor or consignee of the cargo; and on the demand of any person interested, the Port Warden shall furnish certificates of any matters of record in his office.

Under the principal Act fees were established by Order in Council, payable to the Port Warden for making surveys and granting certificates, for the valuation and inspection of vessels, and for settling disputes; but the amended Act, 29 Vic. cap. 59, provides for additional fees being made payable by shippers on grain, flour, ashes and other articles shipped from the Port of Montreal.

From the passing of the original Act to the date (1866) when the amendment referred to was passed, the office of Port Warden appears to have been self-supporting; but from 1866 to the end of the year 1877, as will be seen from the statement given on page xxviii of Supplement No. 2 to the Tenth Annual Report of this Department, the sum of \$28,319.37 had been accumulated, \$26,419.45 of which was invested in stocks shown. For the year 1878 there was a revenue of \$6,897.38, an expenditure of \$5,085.55, with a balance to credit of \$1,811.83. For the year 1879 there was revenue of \$8,281.14, an expenditure of \$5,274.59, with a balance of \$3,006.55. Up to 30th November, 1880, the revenue was \$7,904.87, the expenditure \$6,714.04, with a balance of \$1,190.83.

Previous to 1873, the law was not sufficiently stringent to prevent accidents to vessels carrying grain to Europe, as it was found that the masters of some of them would rather pay the penalty of forty dollars than comply with the law which prohibited their proceeding to sea without the Port Warden's certificate. The result during the year 1872 of this violation of the law was the loss of several sear going vessels laden with grain from Montreal to Europe. In 1873, however, at Act was passed prohibiting grain-laden vessels proceeding to sea or obtaining clearance without the Port Warden's certificate, with a penalty of eight hundred dollars instead of forty dollars, as formerly, and this law, which applies also to the Port of Quebec, has been found to work very satisfactorily, and has, no doubt, been of much service in saving both life and property.

QUEBEC.

The office of Port Warden for the Port of Quebec, was created in the year 1871, under the Act 34 Vic. chap. 33. The appointment to the office is made by the Governor General in Council, on the recommendation of the Board of Trade of Quebec,

and the control of the office is placed in the Council of that Board, who are vested with similar powers to those conferred on the Montreal Board of Trade in relation to the Montreal Port Warden—in short, the Act above-named is simply a transcript, mutatis mutandis, of the Act constituting the Montreal Port Warden's office and its amendment in 1865, with the exception of the clauses in the amendment in 1865, authorizing the imposition of additional fees which are not included.

The office is worked on the principle that it shall be no more than self-supporting, as will be seen from the following statement of receipts and expenditure since its inauguration:—

		Receipts.	Expenditare.	Net proceeds re- verting to Port Warden
1872.—April 30		\$1 ,209 52	 \$ 97 95	 \$1,111 57
1873. do 30		1,524 15	 286 00	 1,238 15
1874. do 30	******	2,270 50	 620 50	 1,650 00
1875. do 30		2,432 50	 574 00	 . 1,858 0 0
1876. do 30		2,666 32	 857 59	 1,808 75
1877. do 30	*******	2,170 00	 526 84	 1,643 16
1877.—Dec. 31		2,029 00	 566 25	 1,462 75
1978. do 31		1,648 00	 4 89 36	 1,159 14
1879. do 31		1,880 00	 644 00	 1,236 00
1880.—Nov. 30		2,252 50	 586 00	 1,666 5 0

Under "The General Port Wardens' Act, 1874," the following Port Wardens' offices have been established:—

By Order in Council of the 29th March, 1875, the Port of Halifax, Nova Scotia, was determined a port to which the provisions of the Act should apply, and Captain David Hunter was appointed Port Warden. A tariff of fees was established by Order in Council of the 14th June, 1875.

The following is a statement of the receipts and exponditures of the office since its inauguration:—

			Receip	ta.	Expendi	ture.	Reverting Port Warder	-
31st	December,	1875	\$ 991	85	\$510	33	\$ 481	52
	"	1876	1,295	13	522	45	772	68
	α .	1877	1,262	25	493	5 8	768	67
	. "	1878	1,122	00	376	54	745	46
	"	1879	2,052	67	818	4 8	1,234	19
-30tb	November,	1880	2,274	35	902	79	1,371	56

By Order in Council of the 8th March, 1875, the Ports of Victoria and Esquimalt, in the Province of British Columbia, were determined as ports under the Act named, and Captain Jeremiah Nagle appointed Port Warden. A tariff was established by Order in Council of the 26th April, 1816.

		Receipts.	Expenditures.	Reverting to Port Warden.
31st December,	1876	\$331 . 0 0	\$4 0 00	\$2 91 00
"	1887	349 00		349 00
44	1878	477 00	••••	477 00
4.	1879	242 00	•••••	242 00
30th November,	1880	••••••	• • • • • • •	••••••

By Order in Council of the 16th June, 1875, Port Hawkesbury, in the County of Inverness, in the Province of Nova Scotia, was determined such a port, and Mr. Daniel White Henessy was appointed a Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 22nd July, 1875, Port Mulgrave, in Guysboro' County, Nova Scotia, was determined such a port, and Mr. George B. Hadley appointed Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 19th February, 1877, North Sydney, in the County of Cape Breton, Nova Scotia, was determined such a port, and Mr. D. McKay is at present Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 14th December, 1877, Louisburg, in Cape Breton County, Nova Scotia, was determined such a port, and Mr. Alexander McCuish is at present appointed Fort. Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 11th January, 1878, Sydney, in Cape Breton, Nov[®] Scotia, was determined such a port, and Mr. John Lorway appointed Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 12th April, 1878, Pictou, in Nova Scotia, was determined such a port, and Captain Daniel McDonald appointed Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 15th April, 1880, Cow Bay, in the County of Cape Breton, Nova Scotia, was determined such a port, and Mr. Joseph McPherson appointed Port Warden. No tariff has yet been submitted by the Port Warden for approval.

By Order in Council of the 13th May, 1880, all the ports in the Province of Prince Edward Island were determined such ports, and Mr. Henry Pope Welsh appointed Port Warden for all these ports. A tariff of fees was established by Order in Council of the 7th July, 1880.

The following is a statement of the receipts and expenditure of the office since its inauguration:—

Receipts, \$454.60; expenditure, \$166.45; reverting to Port Warden, \$288.15.

MERCHANT SHIPPING.

The total number of vessels remaining on the register books of the Dominion on the 31st December, 1880, including old and new vessels, sailing vessels, steamers and barges, was 7,377, measuring 1,311,218 tons register tonnage, being a decrease of 94 vessels and 20,876 tons register as compared with 1879. The number of steamers on the registry books on the same date was 918, with a gross tonnage of 190,159 tons, and a net tonnage of 120,141 tons. Assuming the average value to be \$30 per ton, the value of the registered tonnage of Canada on the 31st December last, would be \$39,336,540 or £7,867,308 sterling.

A statement is appended which has been compiled from the Repertoire Général for 1880 and 1881 from which it appears that the tonnage upon the registry books of the British Empire, including Canada and the other colonies, was 8,259,748 tons register. The United States of America comes next with a tonnage of 2,438,912 tons; followed by Norway with a tonnage of 1,420,788. Canada stands next with a tonnage of 1,311,218 tons, followed by Germany with a tonnage of 1,157,178 tons. From this statement it appears that Canada is fourth on the list of the ship-owning countries of the world; but these figures do not include the tonnage of inland sailing vessels or of steamers under 100 tons register, except in the case of Canada. The Canadian figures include registered vessels of every description and registered steamers of every tonnage.

The number of new vessels built and registered in the Dominion of Canada during the last year was 271, measuring 65,441 tons register tonnage. Estimating the value of the new tonnage at \$45 per ton, it gives a total value of \$2,944,845 or £588,969 sterling for new vessels.

A statement follows showing the number of vessels and number of tons on the register books at the different ports of registry in the Dominion on the 31st December last, along with a comparative statement of the tonnage from 1873 to 1880. 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 of the number of new vessels built and registered from 1874 to 1880, both inclusive.

The following vessels have had their names changed, by permission of His Excellency the Governor in Council, during the last calendar year, viz.:—

Steamer Chicago Belle, of Owen Sound, O.N. 71,188, name changed to Wiarton Belle.

Schooner New Dominion, of Pictou, name changed to Ida Walker.

Steamer Mary R. Robertson, of Collingwood, name changed to Simcoe.

Steamer Margaretha Stevenson, of Quebec, O.N. 28,479, name changed to Otter-

Steamer Oswego Belle, of Napanee, O.N. 71,068, name changed to Emerald.

The following wrecked vessels were registered by the authority of His Excellency the Governor in Council, during the last year, after being thoroughly repaired and made seaworthy, viz.:

Schooner Repeal, O.N. 57,671, formerly of Halifax, registered at Sydney.

Schooner Eugenie, O.N. 61,618, formerly of St. John, N.B., registered at Charlottetown.

Schooner Emilie B., O.N. 64,714, formerly of Port Hawkesbury, registered at Shelburne.

Brigantine Eliza, O.N. 73,064, formerly of Charlottetown, registered at Port Hawkesbury.

Schooner E. W. R., O.N. 54,153, formerly of Halifax, registered at Guysboro'.

Schooner P. Blake, O.N. 59,409, formerly of Parsborro', registered at Annapolish

Schooner Elizabeth Ann, O.N. 54,103, formerly of Halifax, registered at Pictou-Schooner Nimbus, formerly of Gloucester, Mass., registered at Halifax.

Schooner Blue Wave, O.N. 74,044, formerly of Sydney, C.B., registered at Guy boro'.

Schooner Catharine, O.N. 53,875, formerly of Charlottetown, registered at Arichatachooner Delta, O.N. 64,595, formerly of St. John, registered at Yarmouth.

Barque Mallard, O.N. 12,864, formerly of London, G.B., registered at Chatham, N.B.

Brig Mechanic, formerly of Portland, Maine, registered at Halifax.

Schooner William R. Page, formerly of Eastport, Maine, registered at Arichat-

Schooner Hannah Eldridge, formerly of Booth Bay, registered at Barrington.

Steamer Albert, O.N. 64,636, formerly of Halifax, registered at Pictou.

Brigantine O. K., O.N 69,053, formerly of Halifax, registered at Arichat.

Barque Ada Barton, O.N. 64,581, formerly of St. John, registered at St. John.

Barquentine Our Annie, O.N. 70,171, formerly of Fleetwood, G.B., registered Quebec.

Schooner Annie Gardner, formerly of Castine, Maine, registered at St. John.

Schooner Clara Jane, O.N. 74,121, formerly of Port Medway, registered at Sydney.

Schooner Emma, O.N. 69,190, formerly of Lunenburg, registered at Arichat.

The Ports of Prescott, Ontario and New Westminster, British Columbia, were constituted ports of registry, and the following Measuring Surveyors of Shipping Were appointed during the last calendar year to be Measuring Surveyors at the following places, viz.:—Mr. Reuben Perry, at Beaver River, Digby County, N.S.; Mr. J. S. Cluie, at New Westminster, B.C.; Mr. Marshell Bourinot, at Port Hawkesbury, N.S.; Mr. E. Rand, at Cornwallis, N.S.; Mr. Edgerton Stockdale, at Ottawa, Ont.; Mr. J. B. F. Parchard, at Amherst, Magdalen Island; and Mr. S. J. Bellamy, at Prescott, Ont.

Mr. J. H. Kennedy, of Winnipeg, was appointed a Measuring Surveyor for the, Province of Manitoba and the North-West Territory, in place of Mr. J. R. Abell resigned. Mr. Edward D. Tremain was also appointed a Measuring Surveyor of Shipping in the County of Inverness, Cape Breton. Mr. Wm. Somerville, the former Measuring Surveyor at Ottawa, resigned in consequence of removing to Florida; and Mr. J. J. Fox, the former Measuring Surveyor and Registrar of Shipping at Magdalen Islands, was superannuated.

On the 1st day of September, 1880, new regulations for preventing collisions at sea were put in operation, by an Order of Her Majesty in Council, dated the 14th day of August, 1879. By a subsequent Order, Her Majesty in Council was pleased to direct that the operation of Article 10 of the New Regulations shall be suspended until the 1st day of September, 1881, and that in lieu thereof Article No. 9, of the Old Regulations, shall continue in force until the said 1st day of September, 1881.

The Governments of the following countries have signified their willingness to have the New Regulations apply to ships of the said countries respectively, whether Within British jurisdiction or not, viz.:-

Austro-Hungary, Belgium. Chili, Denmark, France, Germany, Great Britain, Greece, Italy, Netherlands, Norway, Portugal, Russia, Spain, Sweden, United States, Brazil, Ecuador, Hawau, Japan and Turkey.

As regards the two last-named countries, Article 12 of the Regulations is modified that it is not necessary for the fog-horn required by the said Article to be used on board steam and sailing ships, to be sounded by a bellows or other mechanical means when the same is carried on board ships belonging to Japan, and the said Article 12 is further modified that it shall not be necessary for the bell, which the Article requires to be used as a sound signal, to be placed and kept on Turkish ships; but in lien thereof, there may be placed and kept on board of Turkish ships an efficient drum, which shall be sounded under the same circumstances and at the same intorvals, as by the Article a bell is required to be rung.

By an Order in Council dated the 6th September 1830, Her Majesty was pleased to direct that the New Regulations, with the exception of the Article 10, should apply to ships of the following countries, whether within British jurisdiction or not viz:

Cochin, Kattyawar, Khelat, Kutch, Muscat, Travancore and Zanzibar.

On the first of September, 1880, New Regulations for preventing collisions at seem came into operation in Canada, and a Bill has been introduced this Session of Parlisement by the Minister of Marine to suspend Article 10 of the New Regulations until the 1st of September next, and substitute in place thereof Article 9 of the Old Regulations.

STATEMENT showing the number of Vessels and number of Tons on the Registry Books of the Dominion of Canada, on the 31st December, 1880.

PROVINCE OF NEW BRUNSWICK.

المراجع والمراجع				
Name of Port.	Sailing Ships and Steamers.	Steamers.	Gross Tonnage of Steamers.	Total Ne
Chatham	171 20 6 1 700 185 14	15 50 1	1,069 	17,674 17,375 2,135 275,879 17,989 5,181
Total	1,097	66	10,329	336,976
PROVINCE OF	<u> </u>	<u> </u>	1	
Annapolis	16 78	1	14	5,805 24,248
Arichat	129	1	18 44	6,259
Barrington	31	1	44	1,853
Baddeck	9		******************	' 53 0
Digby	160	1	100	15,983
Guysboro'	41	1	35	9 301
Halifax	993	31	3,903	95,359 8,981
Liverpool	93 6	••••••		8,984 2,72 6
Lunenburg	225	*************	*****	4,681
Maitland	40			35, 353
Pugwash	16			1'051
Parrsboro'	75	1	15	13,433
Picton	107	9	630	34,51
Port Madway	40 27	*****************	****** ***** 7****	1,800
Port Medway Sydney	104	3	179	6,553
Shelburne	133	3	113	12'10"
Truro	4	******	199921 449194 14444	1,646
Windsor	193	3	82	101,586
Weymouth	27			7,39
Yarmouth	430	4	956	156,77
Total	2,977	56	5,976	550,418

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

PROVINCE OF QUEBEC.

	Or QUEDE			
Name of Port.	Sailing Ships and Steamers.	Steamers.	Gross Tonnage of Steamers.	Total Net Tounage
Amherst Gaspé Montreal New Carlisle Percé Quebec St. John's	33 47 914 33 3 859	2 214 136	1,254 65,102 23,333 89,689	1,262 2,995 119,205 1,962 230 107,687
	,			
PROVINCE	OF ONTARI	0,		
Amhersiburg	11 12 27 15	4 3 24 14 2	249 213 709 4,064 128	435 961 735 3,079 159
Cobourg Cornwall Darlington	20 9 2	13 3 2	2,729 273 68	447 2,519 842 46 253
Fort Erie Goderich Hamilton Kingston Niagwille	1 1 22 34 205	1 8 18 18 54	850 287 7,201 10,749	1,966 163 559 1,329 7,577 27,415
Napanee. Newcastle. Oshawa Ottawa. Owen Sound	1 23 1 2 117 14	1 5 	898 207 	512 2,840 158 538 12,774 2,335
Port Burwell Port Dover Port Colborne Port Hope	9 25 19 7 36	3 3 22	191 125 2,358	1,004 4,846 1,267 710 3,820
Picton Sangeen Sania	11 12 41 2 17	1 9 9	14 1,587 1,280 4,914	1,375 1,641 5,137 75 4,349
Toronto Windsor Whitby	6 125 94 49 2	6 48 38 12	362 11,582 4,164 4,380	264 26,645 9,498 5,856 343
Wallaceburg Morrisburg Prescott Bowmanville. Total.	34 3 1 2	14 2 1	993 345 9	2,267 382 6 253
	1,042	385	71,582	137,481

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

PROVINCE OF PRINCE EDWARD ISLAND.

Name of Port.	Sailing Ships and Steamers.	Steamers.	Gross Tonnage of Steamers.	Total Net Tonnage.
Charlottetown	288	. 14	4,343	45,931
PROVINCE OF B	RITISH COL	UMBIA.		
Victoria	63	30	5,895	5,049
PROVINCE	OF MANITO	BA.		
Winnipeg	21	15	2,345	1,992
SUM	MARY.			:: : : : :
New Brunswick	1,042 288 63 21	68 56 352 385 14 30		550,448 233,341 137,481 45,931 6,049 1,993
Total	7,377	918	190,159	1,311,218

Vessels. Vessels. 1,147 2,8/3 1,842 681 280 30		i		_			
Vessels. 1,147 2,8 /3 1,842 681 280 30		~	1874.	7	1875.	at .	1876.
1,147 2,8 × 3 1,842 681 280 300	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
	277,850 449,701 214,043 89,111 38,918 4,095	1,144 2,787 1,837 815 312 35	294, 741 479, 669 218, 946 113, 008 48.388 3, 611	1,133 2,786 1,831 1,831 8,85 3,85 4,0	307,926 505,144 222,965 114,990 5,685 3,685	1,164 1,9867 1,9892 338 40 40	324,613 629,252 226,602 123,947 60,692 3,809 178
Total 6,783 1, 1,	1,073,718	6,930	1,158,363	6,952	1,205,565	7,192	1,260,893
1877.		18	1878.	18	1879.	18	1880.
Provinces. Vessels.	Tons.	Versels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
1,133 2,961 1,961 926 342 43	329,457 541,579 246,399 131,761 35,547 3,49	1,142 3,003 1,976 1,976 358 322 51	335,965 £53,368 248,349 135,440 649,250 1,161	1, 135 1, 975 1, 975 1, 906 1, 906 298 60	340,491 552,159 246 025 136,987 49,807 4,701 1,924	1,097 1,889 1,889 1,042 633	336,976 550,448 233,341 137,481 45,931 6,019
7,362	1,310,468	7,469	1,333,015	7,471	1,332,094	7,377	1,311,218

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, 1880.

PROVINCE OF NEW BRUNSWICK.

Name of Port.	V essels.	Tons.
Chatham Dorchester Moncton Riehibucto. St. John St. Andrews Sackville	11 2 1 41 6	1,907 1,240 449 743 14,014 80 463
Total	63	18,896

PROVINCE OF NOVA SCOTIA.

Amherst	3	116
Annapolis		1,243
Arichat	4	233
Barrington	1	125
Digby	5	441
Guysboro'	1	16
Halifax	5	1, 036
Liverpool	2	234
Lunenburg	14	928
Maitland,	2	1,636
Parrshoro'	9	3,763
Pictou	6	3,316
Port Medway	5	124
Port Hawkesbury	4	204
Shelburne	14	1,236
Sydney	6	225
Fruro		***********
Weymouth		
Windsor.,		9,234
Yarmouth	12	7,148
Total	109	31,257

PROVINCE OF QUEBEC.

Gaspé Montreal	2 1 21	81 944 73 30 7,091
Total		8,219

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.
mheratburg rockville		
ockville	2	4
	ī	29
		·4000000 00 00000
Ornwall		20
Ornwall Wood		***********
Odoni i		
San 21		
Ope	1	541
Opeingston] 2	20
ingsion. apanee. wen Seund		**********
tte- Sand	∡	505
ictor "	15	1,975
OWn.	4	278
owan Ania		
arnia ault St. Marie		***********
ault St. Marie		
Cattarinas	3	36
t. Catharines oronto	2 7	39 91
This the same and	i	44
Vall. J		*********
Vallaceburg	1	31
	1	6
Total	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND.		
PROVINCE OF PRINCE EDWARD ISLAND.	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	44	3,610
PROVINCE OF PRINCE EDWARD ISLAND. PROVINCE OF BRITISH COLUMBIA. Victoria PROVINCE OF MANITOBA. Winnipeg	21	3,610
PROVINCE OF PRINCE EDWARD ISLAND. PROVINCE OF BRITISH COLUMBIA. PROVINCE OF MANITOBA. Winnipeg	21	3,810
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	1	3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	1 63	3,610 3,359 100
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown PROVINCE OF BRITISH COLUMBIA. Victoria PROVINCE OF MANITOBA. Winnipeg SUMMARY. New Brunswick Nova Scotia Buebec	21 1 63 109 22	3,610 3,359 100 18,896 31,257 8,219
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	21 21 1 63 169 33 44	3,810 3,359 100 18,896 31,257 8,219 3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown	1 63 169 33 44 21	3,810 3,359 100 18,896 31,257 8,219 3,610
PROVINCE OF PRINCE EDWARD ISLAND. Charlottetown PROVINCE OF BRITISH COLUMBIA. Victoria PROVINCE OF MANITOBA. Winnipeg	1 63 169 33 44 21	3,610

										_				
	18	1874.	1875.	, ,	8 1	1876.	1877.	1 -2	187	1878.	1879.	.67	1880.	.00
rotuces.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.	Vessels.	Tons.
Now Brinswick	6	42.027	8	33 483	5	31 040	7	31.158	92	27.368	\$	19.067	63	18,896
Nova Scotia	175	84,480	171	67,106	194	58,771	219	47,980	166	49,784	126	39,208	109	31,257
Ouebec	73	20,796	102	22,825	19	17,800	63	19,253	46	10,870	29	7,421	83	8,219
Cntario	26	10,797	53	7,760	47	5,397	88	3,316	30	2,409	7	2,464	44	3,610
Prince Edward Island	86	24,634	æ	19,838	63	14,571	62	17,026	88	10,382	8	5,279	ដ	3,359
A British Columbia	10	276			-	121	64	204	61	45	ю	188		
Manitoba							m	48	-	135			-	100
	490	183,010	480	151,012	416	127,700	430	118,985	339	100,873	265	74,237	172	65,441
Add new vessels built in Canada, which proceeded to the United Kingdom under a Governor's pass without being registered.	9	7,746			က	2,721	e	1,913	-	633		·		
Add new vessel which left Quebec for registration in Germany				13	1	480		•			***			
Totals	496	190,756	480	151,012	420	130,901	432	120,918	340	101,506	265	74,327	271	65,441

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 1880 and 1881.

Nationality.'	Steamers.	Gross Tonnage of Steamers.	Net Tonnage of Steamers.	Sailing Vessels.	Net Tonnage of Sailing Vessels.	Total Net Tonnage.
	!		}			
ritish (including Canada and the Colonics)		1				
and the Colonies)	3,787	4,265,519	2,773,082	18,352	5,486,666	8,259,74
mericanorwegian	548	634,292	389,937	5.958	2,048,975	2,438,91
rwegian	148	67,636	49,067	4,160	1,371,721	1,420,78
Prwegian	918	190,159	120,141	6.459	1,191,077	1,311,2
PP0	277	289,429	203,322	3,113	953,856	1,157,1
alian	103	107,070	72,813	2,936	913,782	986,5
ench ssian	335	423,787	277,781	2,772	541,853	819.6
edish	166	128,729	82,843	1,875	426,226	509.0
redish	258	98,969	69,292	1,979	399,237	468.5
anish.	226	205,498	135,814	1,578	325.036	460,8
eek	111	118,2 6 0	80,632	1,112	332,750	413,3
eek	20	14,237	9,526	1,672	321,777	331,3
Istrian	82	93,142	62,114	599	237,799	299,9
nish	109	74,987	47,844	1,172	177,839	225,6
ortuguese	17	16,253	10,946	424	99,572	110,5
outh American	87	61,198	40,401	254	86,400	126,8
rkish		8.866	5,579	374	61,738	67,3
arkishentral American	10	4,572	2,803	144	47,702	50,5
1 Dian	40	64,773	44,747	29	13,067	57.8
elgian	33	38.984	24,210	54	21,593	45,8
ZVN4:	J. J	18,212	11,859	1 54	i '	11,8
		16,212	11,655	20	3,443	3,5
		1,067	726	20	188	3,3
Derian		1,001	120	2	317	3
		***************************************		1	293	2
rianaknown	5	9,552	6,302	2	1,159	7,4
Totals,		6,745,198	4,401,751	48,584	13,872,980	18,274,7

^{*} 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 1879, 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. 26 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, 1880.

OUTSIDE SERVICE.

The number of persons employed on the Outside Service on the 31st December, 1880, was as follows:—

Superintendent of Lights and Light-keepers, &c., in Ontario, and above Montreal	112
Officers of Agency in City of Quebec, and Light-keepers, Fog.	
whistle Keepers, &c., at and below Montreal, in the	
Province of Quebec	203
Agent, Clerk, Messenger, Superintendent of Lights, Light-	
keepers, Fog-whistle Keepers, &c., in New Brunswick	74
Agent, Clerk, Messenger, Superintendent of Lights, Light-	
keepers, Fog-whistle Keepers, Attendants at Humane	
Establishments, &c., in Nova Scotia	188
Agent and Light-keepers in Prince Edward Island	27

Agent and Light-keepers in British Columbia	15
Officers and Crews of Dominion Steamers and Vessels	138
Inspectors of Steamboats	8
Examiners of Masters and Mates, and Clerk to Chairman	
of Board	13
Harbour Police, Montreal and Quebec	71
Officers and Servants in Marine Hospitals	75
Shipping Masters	24
Harbour Masters	126
Officers of Observatories, Meteorological Observers, &c.,	
receiving pay	84
Receivers of Wreck	33
Wharfirgers	9
Fishery Overscers and Wardens in Ontario	82
do do Quebec	103
Fisheries Protection Service, in the Lower St. Lawrence,	•
officer in command	1
Inspector of Fisheries, Overseers and Wardens in Nova	
Scotia	240
Inspector of Fisheries, Overseers and Wardens in New	
Brunswick	107
Fishery Overseers and Wardens in Prince Edward Island	44
Inspector of Fisheries and Overseer in British Columbia	2
FISH BREEDING-Superintendent, officers in charge and	
Assistants at the several Hatcheries in the Dominion	15
-	
Making a total of:	1,794

For the previous year the number was 1,730. In addition to the 1,794 mentioned above, there are 64 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 76 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 Observartories, &c., who receive pay for the performance of their duties, but in addition there to, 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 of the Minister of Marine and Fisheries.

DEPARTMENT OF MARINE AND FISHERIES, OTTAWA, 1st January, 1881.

FISHERIES' STATEMENTS.

EXPENDITURE AND RECEIPTS.

The following statements exhibit the respective amounts expended and collected during the fiscal year ended 30th June, 1880. This expenditure is subdivided for the several Provinces and services as follows:—

ONTARIO. Fishery Overseers' salaries and disbursements\$12,003 \$7

Fish-broeding	-	
	\$17,30 4	08
QUEBEC.		
Fish-breeding	4,701	
Fisheries' Protection Service, Gulf and Lower St. Lawrence		08
	\$19,173	20
NOVA SCOTIA.		
Fishery Overseers' and Inspector of Fisheries' salaries and disbursements		
	\$ 17,503	71
NEW BRUNSWICK.		
Fishery Overseers' and Inspector of Fisheries' salaries and disbursements	5,600	00
	\$17,891	00
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	\$2,551	79
General disbursements, including building of fishways, removal of obstructions to ascent of fish, &c., &c		27

PRINCE EDWARD ISLAND.

TRINCE EDWARD ISLAND.		
Fishery Overseers' and Inspector of Fisheries' salaries	ļ	
and disbursements	•	
Fish-breeding	4,494	34
	\$7,180	83
BRITISH COLUMBIA.		
Fishery Overseers' and Inspector of Fisheries' salaries		
and disbursements	\$1, 399	92
MANITOBA.		
Printing and distributing posters containing extracts of		
Fishery laws	\$19	75
Total Expenditure.		
Less refund in Fish-breeding	25	
•	8 86,16 2	55
Collections during the fiscal year are arranged under the following	owing h	eads:
ONTARIO.		
Rents, license fees, fines and confiscations	.8 6,465	95
QUEBEC.	. ,	
	7 104	49
Rents, license fees, fines and confiscations	. 7,134	42
NOVA SCOTIA.		
Fees on trap-nets, fines and forfeitures	. 1,506	72
NEW BRUNSWICK.		
Rents, taxes on nets, fines and forfeitures	. 4,276	07
PRINCE EDWARD ISLAND.		
Fee on trap-net license	. 40	00
BRITISH COLUMBIA.		
Fines	. 10	00
Total	 \$19.423	16
	,	

LICENSES ISSUED.

The number of Fishery Licenses issued during the season of 1880 are as follows:—
ONTARIO.

			ONTARIO.	
Gill-net Jic	ense	s	**** ,	312
$\mathbf{Hoop\cdot net}$	do		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	39
Pound-net	do			54
Seine	do			217
Angling p	ermi	ts		1,343
Spearing 1	icens	es		120
			QUEBEC.	
		ing licen	ses	444
Brush We	ir	do	•••••	129
Eel Weir		do		5
Seine		do		162
Gill-net		do		215
			NEW BRUNSWICK.	
Salmon an	gling	g license.		1
			ses	768
Herring V	V eir	do		98
\mathbf{Bass}		$d\mathbf{o}$	•••••	243
Angling p	ermi	ts		40
			NOVA SCOTIA.	
Salmon no	et fis	hing licer	nse-4	86
Trap net 1	icens	es		53
w_{eir}	do			4
		TO D	DINAME BANKANTA TOT ANTA	
nnskii			INCE EDWARD ISLAND.	
Trict licen:	se	••••••		1
			Total	4,334
		STAFF	OF FISHERY OFFICERS.	
1880 the sta	aff of	Fishery	Officers consisted of the following:—	
ONTARIO~	-Fisl	iery Ove	erseers (ex-officio Magistrates) and	
$\mathbf{Fish}_{\mathbf{G}}$	ery V	Vardens		82
Quebec-	Fish	ery Overs	seers (ex-officio Magistrates) and Fish-	109
_		ens		103
			or, Fishery Overseers (ex-officio Magis-	0.16
	s) an	d Fishery	Wardenslxxiii	240
11_F			144111	

New Brunswick—Inspector, Fishery Overseer (ex-officio Magistrates) and Fishery Wardens	107
Prince Edward Island—Inspector, Fishery Overseers (exofficio Magistrates) and Fishery Wardens	44
British Columbia—Inspector and Fishery Overseer	2
FISH-BREEDING—Superintendent, Officers in Charge, and Assistants at the several Hatcheries in the Dominion	15
FISHERIES PROTECTION SERVICE IN THE GULF AND LOWER ST. LAWRENCE—Officer in Command	1
Making the total number of Fishery Officers employed in the Outside Service	594

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.

FISH CULTURE.

The total expenditure on account of this service for the fiscal year ended 30th June, 1880, amounts to \$29,109.61, divided as follows among the ten establishmen^{ts} now devoted to the artificial reproduction of fish:—

Newcastle, Ontario	\$2,431	24
Sandwich, do	2,869	17
Tadoussac, Quebec	1,650	00
Gaspé Basin, do	1,772	76
Ristigouche, Quebec and New Brunswick	1,278	5 8
Bedford Basin, Nova Scotia	3,253	99
Sydney, do	69	17
Miramichi, New Brunswick	1,748	99
St. John River, do	ਤ,8 51	01
Dunk River, Prince Edward Island	4,494	34
General disbursements, including Mr. S. Wilmot's salary		
and travelling expenses	•	
Total	3 29,134	
Less refund	25	00
Grand total	\$29,109	61

A statement in detail of this expenditure will be found at Appendix No. 28. lxxiv

Schedule of Salmon Angling in the leased Rivers of the Provinces of Quebec and New Brunswick, during the season of 1830.

	i	. 1	eight	of the Fish.	the	
	Salmon.	Weight.	Wei	risi t		
Nomes C. D.	a]ı	eig	.)	94	reight of smallest F	
Names of Rivers.		≥	ge	ht	të i	Remarks.
*	o of	Total	verage	eight o largest	igi	
	No.	Į.	A V	We	We	
•			- 1			
Du Gouffre	1	·	!			No returns.
Murray Ste. Marguerite, N.E. Branch	3	88	26]	32	•••••	No returns.
Ste. Marguerite, N.E. Branch	9	136	14	25	12	
	16	224	14	20	12	
	3	45	15	15	15	
Little Saguenay	8	74				
	6	96	16	18	14	Not angled.
Godi		•••••				not angled.
	164	2,377	147	30	7	
	8	114	14			
	25	550	22	******		
	6	108	18		ſ	Anglers left early. Not angled.
Becscie Manitou			•••••		•••••••	do
Manitou						do
Moisie Kegashca	124	2,697	273	42	15	
						Not angled.
Natashquan. Watsheeshoo	199	4,378	22			
Watsheeshoo	353	72	12	25	8	
Mataleecoota	"	12	14		1	Not angled.
Little S.W. Bic Ste. Anne des Monts	30	367	121	21	7	4 or 5 barrels of trout besides.
Ste. Anne.	2	21	$10\frac{7}{2}$	13	8	
Ste. Anne des Monts York St. Jol	57	1,129	$19\frac{5}{3}$	40	8	
St T	24	360	15	27	16	A Childe weighing 16 lbs
Darroun	25	242 438	$\frac{18\frac{2}{3}}{17\frac{1}{4}}$		10	4 Grilse, weighing 16 lbs. 870 lbs. trout.
Graniouth.	1 13	229	175	23	101	
Grand	41	697	17			
Record do	10	125	$12\frac{1}{2}$	28	14	
Bonaventure Little Cascapedia.						Not angled.
Grand Cascapedio	22	294	14	29	i	No returns.
Mat do	85	1.954	23	39		AO Letatus.
Una Poula	1	567		33	11	
Ristigouche, Lower Division do Middle do	54	629		21	63434 734 72	
W: 3 33	127	2,059		31	73	
Junito Middle do	1	1,268		32 37	7.	
Jupiter (Anticosti)		1,629 335	16 ³	37	71/2	Also 190 trout, weighing abou
S.W. Miramichi		330	104	********		! 13 lbs. each.
"epissipnichi	20					30 Grilse.
Nepissignit	29					40 do
Total	1 775	90,000	107	1		
4.0 FB1	1,717	23,302	13	42	63	i

FISH BREEDING.

The whole number of young fish distributed during the spring of 1880, was 21,520,600, apportioned as follows:—

STATEMENT of the distribution of young tish at the several Breeding Establishments in the Dominion of Canada, during the spring of 1889, from the hatching of 1879.

NEWCASTLE HATCHERY, ONTARIO.

Names of Rivers or Places	KINDS OF FISH.					
where Fry were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.	
Barber's Creek, Ontario Lake Ontario Sundry small s'reams, Ontario	100,000 120,000 5,000	50,000 10,000	10,000 750,000	20,000	830,000	
Lake Couchiching do Lake Simcoe do Magog, Quebec do			40,060	5,000		
Lake Megantic, Quebec	······································		5,000 10,000 5,000			
Total	230,000	60,000	830,000	30,000	800,000	

SANDWICH HATCHERY, ONTARIO.

In Detroit River and Lake Erie	***********			********	13,500,000
	1	, ,	l .	l i	

STATEMENT of the distribution of Young Fish, &c.-Dominion of Canada -- Continued.

BEDFORD HATCHERY, NOVA SCOTIA.

Names of Rivers or Places where Fry	Kinds of Fish.						
were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	W bitefish.		
River Sackville, County Halifax, N.S do Musquodeboit do do Shubenacadie do do Little Salmon do do Little Salmon do do Indian do do Indian do do Ingraham do do Meander, Ccunty Hants, N.S do Herbert do do Cornwallis, County Kings, N.S do Philip, County Cumberland, N.S do Wallace do do Salmon, County Colchester, N.S. do North do do West do do West do do West do do Maiddle do do Satney do do Satney do do West do do Satney do do Satherland do Total	20.000 20,000 20,000 20,000 20,000 20,000 80,000						

TADOUSSAC HATCHERY, QUEBEC.

D:		 		
River Ste. Marguerite, N.E. Branch, River Ste. Marguerite, N.W. Branch,				
do Anse St. Jeon de de la	120,000	 		
do Petit Sagnapay do	170,000	 		
Free Jacques (Montmorenci), Que	16,000	 		
Fresh Water Pond do Escoumains	20,000 12, 0 00	 	***************************************	
Total				
	1,155,0%	 		******

STATEMENT of the Distribution of Young Fish, &c.—Dominion of Canada—Continued

GASPÉ	BASIN HAT	CHERY, Q	UEBEC.		
Names of Rivers or Places	Kinds of Figu.				
where Fry were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish
River Dartmonth	190,000 120,000 80,000 50,000 40,000				
MOISIE RIV	ER HATCH	ERY (PRIVA	ть), QUEBE	c.	
In Moisie River	180,000				
RISTIGOUCHE HA	TCHERY, C	UEBEC AN	D NEW BRU	NSWICK.	
River Main Ristigouche	1,000,000 300,000 200,000				
Total	1,600,000				
MIRAMIC	HI HATCHE	RY, NEW I	BRUNSWICK		
River North-west Miramichi do Main South-west do Nappan do Biack do Shediac do Sevogle do Bartibog do Burnt Church do Salmon do Renous do Barnaby do Nepissignit Total	155,000 135,000 65,000 65,000 55,000 60,000 50,000 55,000 35,000 35,000 35,000 20,000 5,000				
ST. JOHN R	IVER HATO	HERY, NE	W BRUNSW	ick.	
River St. John	10,000 15,000				
		xviii		<u> </u>	

STATEMENT of the Distribution of Young Fish, &c.—Dominion of Canada-Continued.

DUNK RIVER HATCHERY, PRINCE EDWARD ISLAND.

Names of Rivers or Places where Fry		,	Kinds of Fis	ıı.	
were placed or sent.	Salmon.	California Salmon,	Salmon Trout.	Speckled Trout.	Whitefish.
Dunk River	30 0 ,000 100,000 100,000 500,000				

RECAPITULATION

Fish Hatcheries.			Kinds of Fisi	н.	
Autonomories.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario	230,000	60,000	830,000	30,000	800,000 13,500,000
Gaspé Moice Gaspé Moice	730,000 1,600,000 930,000		1		
Miramichi, New P	180,000 1,155,000 £05,000				
	500,000				
Total distribution in 1880 do 1879	6,300,600 7,701,000	60,000	830.000 1,130,000	30,000 100,000	14,300,060 12,800,000

Salmon California Salmon Salmon Trout Speckled Trout	830,000 30,900
Whitefish Total in 1880 do 1879	21,520,600 21,732,700

SUMMARY OF OPERATIONS IN THE AUTUMN OF 1880.

The following Numbers of Vivified Eggs were deposited in the Hatching-troughs of the several Fish Hatcheries in the Dominion, in the Fall of 1880.

Fish Hatcheries.	Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario Sandwich do Tadoussac, Quebec. Gaspé do Moisie River do (Private) Ristigouche do and N.B. Bedford, N.S. Miramichi, N.B. St. John River, N.B. Dunk River, P.E.I. Total number of Vivified Ova in 1880 do do 1879	150,000 400,000 530,000 50,000 750,000 900,000 850,000 *51,000 400,000	*****		

^{*}Scoodic or Sebago (Land-Locked) Salmon.

RECAPITULATION.

	Fish Hatcheries.	Number of Vivified Eggs.
Sandwich do Tadoussac, Quebi Gaspé do Moisie River do Ristigouche do Bedford, N.S Miramichi, N.B River St. John, N River Dunk, P.E.	(Private Hatchery)	50,000 750,000 990,000 850,000 54,000 400,000

APPENDIX No.1.

To the Thirteenth 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 ending 30th June, 1880.

	Bar Point Lightship.	\$ cts.	S ets.
ugh Mana	10 months salary as Keeper \$413 53 do superannuation tax	*	• • • • • • • • • • • • • • • • • • • •
go	10 months salary as Keeper \$413 53	1	
	do superannuation tax 3 14	416 67	
onn Manson	2 months salary as Keeper	410 01	
do	do superannuation tax 0 73	1	
Ohn D	do subclamination maxim	83 33	
Hechanies	Making spar buoys, chain, anchor, stock, &c	331 84	
B. Hackett	Making spar buoys, chain, anchor, stock, &c	22 60	
		110 00	
oltin's Bay Rafting and Forwarding Co	2 days hire of tug "McArthur" steam pump, &c	700 00	
		582 00	
Thomas Coleman	Dockage, oakum, pitch and labor. Towage Services rendered by Lighter, 2 days, at \$20.00 Hardware	240 53 25 00	
Gordon.	Servines rendered by Lighter 2 days at \$20.00	40 00	
Ohn Wigle	Services rendered by Lighter, 2 days, at \$20.00 Hardware	10 75	
ADAMin To """	Urving and Scoring	4 00	
Juch W. DXPress Co	To pay services of tug "G. H. Parker"	150 00	
Kevill & Co	Ruby glass, telegrams, &c Dockage and use of boom	6 82	
T. Edwards	Dockage and use of boom Iron stock, anchors, &c	25 00	
deo. Middleditch	Iron stock, anchors, &c	95 62	
m. Menzies	'Making chains, nooks, &c	2 17 3 00	
****************	Making chains, hooks, &c	3 00	2,149 33
			2,110 00
	Batchewuna Bay.	:	
O. Crawford	12 months salary as Light-keeper	1	
do	12 months salary as Light-keeper \$345 63		
***********	do superannuation tax 4 37		222 22
			35 0 00
	Battle Island.	l	
Ohárláis.	Dattie Islana.	i	
d McKay	12 months dalary as Light-keeper \$493 75	1	
** ************************************	12 months salary as Light-keeper \$493 75 do superannuation tax 6 25	1	
			500 00
		Į.	
In	Beauharnois.		
Meloche	7.1.1	į	
do	12 months salary as Light-keeper	į.	
***************************************	do superannuation tax 201		225 00
•	1		
A	Bois Blanc.	i	
andrew Hack	12 months salary as Light-keeper \$829 56 do superannuation tax 5 44		
do deckett	12 months salary as Light-keeper \$829 56		
***** ****	do superannuation tax 5 44		
do		835 00	
	Erection of building for new lantern	530 11 18 00	
T. D. B. teloup	Paid for marine glass and extra duty	1 100 10	
Wm. Burke	Glass, rope, lime, &c. Repairing venuilator Making spar buoy.	6 46	
A. Reauman	Repairing ventilator	1 25	
Monaghan	Making apar buoy	9 40	
Pri PU	Making spar buoy. Sheet lead, carvas, &c	23 48	
	Repairing ventilator Making spar buoy. Sheet lead, canvas, &c.		2,620 2
	}	1.	
11-1	Carried forward		5,844 6

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

Brought forward.	\$ cts.	\$° cts 5,844 62
12 months salary as Light keeper	100 00 765 00	865 00
Burlington Beach.	į	
·		
Oil	300 00 18 37 2 34	320 71
Burnt Island.		020
12 months salary as Light-keeper \$246 88	İ	250 00
· Byng Inlet.		200
!		
1 1879	250 00 3 20	253 20
Campbell's Island.	İ	
	150.00	
Painting Lighthouse	20 49 4 30	174
Chantry Island.	,	1(2
12 months salary as Light-keeper \$643 75 do superannuation tax 6 25	650 00	
Repairs to and materials for Light	22 85	672 85
Cherry Island.		
Lumber, cedar and hardware	447 00 18 25	465 25
Christian Island.		
12 months alary as Light-keeper \$429 69 do superannuation tax 5 31	425.00	
Repairs to dwelling	27 25	463
Clapperton Island.		2
12 months salary as Light-keeper \$345 63 do supersinguation tax 4 37		350
Carriel forward	-	9,658 6
	12 months salary as Light-keeper	Brought forward Brown's or Knapp's Point 12 months salary as Light keeper 100 00 16 months salary as Light-keeper \$296 25 300 00 18 37 5 months salary as Light-keeper \$296 25 300 00 18 37 5 months salary as Light-keeper \$246 88 2 months salary as Light-keeper \$246 88 3 months salary as Light-keeper \$246 88 3 months salary as Light-keeper \$246 88 3 months salary as Light-keeper \$250 00 3 months salary as Light-keeper \$250 00 3 months salary as Light-keeper \$148 13 3 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$643 75 30 months salary as Light-keeper \$650 00
STATEMENT of Expenditure on account of Maintenance of Lights above Montreal, etc.--Continued.

	Brought forward	\$ cts.	\$ cts. 9,658 67
	Cole Shoal.		•
do dichard Elliott,	12 months salary as Light-keeper \$246 88	ĺ	
•			250 00
B. Deherty	Collingwood. 12 months salary as Light-keeper		
da	do superannuation tax 2 50 Boat	200 00	
		22 00	222 00
E. B. Prienz	Côteau Landing.		
	12 months salary as Light-keeper		140 00
Owen a	Deep River Island.	}	
G. Chanteloup	12 months salary as Light-keeper	100 00 4 30	
Cockburn	Cartage of oil	20 60	126 55
	70. 77.74		
do R o	12 months salary as Light-keeper \$296 25 do superannuation tax 3 75		
Lous Paré T. Duchespean	Balance of contract for building	300 00 2,750 00 164 50	
Chanteloup	Balance of contract for building Inspecting and travelling expenses. 30 cords stone for pier. Burners and chimneys	120 6 0 14 18	3,348 6
			0,010 0
do	False Ducks. 12 months salary as Light-keeper		
	thing, making a series and		435 0
D. Morrison	12 months salary as Light-keeper		
· Auger,	do superannuation tax	200 00 59 40	aro .
Ed. Borron	French River.		259
go, Jun	French River. 12 months salary as Light-keeper		500
	Frenchman's Bay.		040
J. McClellan T. A. Munson. R. Chantelen	12 months salary as Light-keeper	100 00 30 00 450 00	
E. Ohanteloup	Iron lantera, lamps, &c	599 47 20 91	,
			1,200
11_11	Carried forward	. 1	16,140

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

	montreal, etc.—continuet.		
	Brought forward	\$ cts.	\$ cts 16,140 68
	Gananoque Narrows.		
Cornelius Cookdo	12 months salary as Light-keeper \$395 00 do superannuation tax 5 00	400.00	
W. P. Anderson	Advertising for tenders for new Pier. Travelling expenses Tinsmiths' repairs	400 00 3 20 20 00 1 50	124 10
	Gin Rock.		
srael Mundydo	12 months salary as Light-keeper \$296 25 do superannuation tax 3 75	200 20	
do	Hire of boat for 1879	300 00 10 00 9 05	319 05
	Gibraltar Point.		
George Durnan do	12 months salary as Light-keeper \$529 69 do superannuation tax 5 31	535 00	
John Kidd J. Eastwood & Son	Oil, varnish and brushes	29 17 21 87 3 50	
E. Chanteloup	5 reflectors and 6 dozen wicks	115 00	704 54
	Glengarry.	i	
robin & Loney	12 months salary as acting Light-keeper	200 00 11 50 4 00 4 00	219 5 0
	Goderich Light.		210
G. N. McDonalddo	12 months salary as Light-keeper \$395 00 do superannuation tax 5 00		
James Saunders	Repairing lamps, and express charges	400 00 9 10	
	Pier, etc	26 30	
G. Chanteloup	Patent lantern, oil can, etc	4 00 40 50	
Co F. A. Fitzgerald & Co	Flooring, nails, etc	13 46 26 14 8 38	527 SF
	Green Shoal.		
A. Labergedo	12 months salary as Light-keeper \$247 00 do superannuation tax 3 00	200 00	
do	Making and placing buoy	250 00 21 00 71 61	z- " %
do	Placing stone round light	75 95	418 58
	Carried forward3	-	18,754 01
	4		· · · · ·

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

	Brought forward,	\$ cts.	\$ cts. 18,754 91
	Great Duck Toland		•
William Purvisdo	12 months salary as Light-keeper \$493 75 do superannuation tax 6 25		700.00
	Grenadier Island.		500 00
llbert Root	12 months salary as Light-keeper		
do		250 00 27 15	277 15
Ann.	Griffith Island.		
do	12 months salary as Light-keeper \$429 69 do superannuation tax 5 31		435 00
	Grosse Point.		
Villiam Shannondo	12 months salary as Light-keeper \$429 69	435 00	
do	200	430 00	
Villiam Shannon	do superannuation tax	175 00 9 00	
.	Gull Island.		619 00
do	### Gutt Island. 12 months salary as Light-keeper		
Chantelopp	Building boat-house	500 00 60 00	
Abell & Co Graburn Brundrass	voirs, burners, &c	1,260 04 22 00 10 00	
MeLean	Travelling expenses	7 00	1,859 04
R. Boyterdo	Gore Bay. Salary as Light-keeper, from 2nd Octo-		
		186 82	
R. Whiteacre	Hardware, oil, soap, and storage	9 48 20 00 3 50	
			219 86
ohn Hamilton	Hamilton's Island. 12 months salary as Light-keeper		120 00
	Head of Duchesne Rapids.		
do to the total to	Head of Duchesne Rapids. 12 months salary as Light-keeper	100 00 6 50	106 50
	Carried forward 5	i i	22,891 40

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

<u> </u>	1	6 -4-1	\$ cts.
1	Brought forward	\$ cts.	\$ cts- 22,891 40
1	Isle of Coves.		
Geo. Curriedo	12 months salary as Light-keeper	272 22	
do	Lumber	650 00 5 92	655 9 2
	Isle Perrot.		
Henri Robillarddo	12 months salary as Light keeper	60 0 0 23 50	83 50°
	Killarney.		00 4
P. Proulxdo	12 months salary as Light-keeper		
do	Balance for material and labor repairing Lighthouse	500 00 6 85	506 85
	Kincardine.	j	
William Kay	12 months salary as Light-keeper \$197 50 do superannuation tax 2 50		
do Robert Kay	Building boat-house	200 00 17 30 1 10	
Geo. Turgeon	Zinc and iron work	2 50 8 00 i	
J. McLeod	Paint, brushes and white lead	11 05	239 95
	Lachine Pier and Lake St. Louis Lightship No. 1.	ţ	
John Norton do	10 months salary as Light-keeper \$370 30 do superannuation tax 4 70	OFF 00	•
C. Leger dit Parisien	2 months salary as Light-keeper of Pier \$32 91 do superannuation tax 0 42	375 00	
S. Melochedo	do salary as Keeper of Lightship. \$41 14 do superannuation tax 0 53	33 33 /	
E. Chanteloup	Stand for reflectors, burners, &c	41 67 16 95	
Sincennes & McNaughton	Repairs and towage of Lightship Travelling expenses, placing Lightship	204 00 51 30	
T. Chapman	Repairing Lightship, painting, making buoys, &c. Iron-pipe, brass bolts, &c.	1,581 19	
Capt. J. Blondin	Placing Lightship, Travelling expenses, weighing and moving Light-	20 13 29 00	
	! SUID	55 45	
S. Meloche	Boat, cord of wood, &c	31 00	2,439 0
	Lake St. Louis Lightship No. 2.		
O. Madoredo	12 months salary as Light-keeper \$296 25 do superannuation tax 3 75	300 09	
Capt. Jos. Blonding	Placing Lightship	29 00	
- A LUMBU & US.,	Cooking stove, piping, &c	36 40	365 40
	Carried forward		27,182 0

•		\$ cts.	\$ cts.
	2248	***	27,182 04
Oli-:	Lake St. Louis Lightship No. 3.		
do	12 months salary as Light-keeper		
Capt. Jos. Blonding	Placing Lightship	300 00	329 00
Job	Lamb Island.		
do	12 months salary as Light-keeper		300 00
đa) s	Lindoe Island.		
***************************************	12 months salary as Light-keeper	250 00	
G. Wallace	Repairing buoy	4 00	254 0 0
Tre	Long Point.		
H. H. Woodwarddo	12 months salary as Light-keeper \$429 69 do superanauation tax 5 31	435 00	
John Baker Wm Wood	Paid for labor at breakwater	554 55 426 54 20 00 6 25	
E. Chanteloup	rope, &c	88 15 40 05 2 60	
Anderson	Travelling expenses inspecting repairs	12 25	1,585 39
	Little Current.		
D. McKenziedo	12 months salary as Light-keeper \$345 63 do superannuation tax 4 37		350 00
	Lancaster Bar.		
G. H. Johnstondo	12 months salary as Light-keeper \$321 88		
Allan Cameron	Paid for repairs to Light and measuring stone	325 00 26 30 43 20	***
	Lancaster Pier.		3 94 50
T. H. Hill.	12 months salary as Light-keeper \$296 25 do superannuation tax 3 75	200.40	
John Ferguson	Laying floor	300 60 6 75 4 00	310 75
	Lonely Island.		210 19
Dominic Solomon	. 12 months salary as Light-keeper \$444 37 do superannuation tax 5 63		450 00

	Infontiteat, etc. Commission.		
	Brought forward	\$ cts.	\$ cts 31,155 68
	L' Orignal.		
R. G. Campbell	12 months salary as Light-keeper		100 00
	Long Point, (West-End) Port Rowan.	1	
_	Salary, from 30th September 1879 to 30th June, 1880		301 10
	Manitovlin Island.		
Wm. Cullisdo	12 months salary as Light-keeper \$395 00 do superannuation tax 5 00		
	Oil, paint, turpentine and brushes	400 00 27 25 150 00	577 2!
	Meaford Light.		
	12 months salary as Light-keeper	125 00	
Law Building and Manu- facturing Co	Painting and sanding Light and extra work on foundation	55 00	180 0
	McKie Point.		160 0
A. McDonald	12 months salary as Light-keeper 172 81		175 0
	Michael's Point.		115 0
R. A. Lyon & Co	12 months allowance for keeping		25 0 0
	Middle Island Light.		
L. S. Brown	12 months salary as Light keeper		106 8
	McKillop's Point, Port Lewis.		
Malcolm Stalker	12 months salary as Light-keeper	12 10	210.6
	Mc Tavish Point.		216 2
Joseph Geegando	12 months salary as Light-keeper	100 00	
	Michipicoten Island.		103
P. McIntyre do	12 months salary as Light-keeper 629 57 do superannuation tax 5 43		
do	Putting down and taking up buoys	635 00 55 00	690
	Carried forward		33,855

\$ cts. 33,855 91	\$ cts.	Bronght forward	
		Mohawk Island.	
410 0 0		I. Smithers	R. H. Smithersdo
	1	Muskoka or Fox Island.	
	250.00	Darke	
275 3 4	250 00 29 24 5 10	do	F. G. Tremayne
213 54		Nine Mile Point.	
			A Dunton
	400 00	Dunlop	
	3 30 3 6 0	ton Gazette Advertising tenders for repairs gston Daily News do breakwater	Picton Gazette Kingston Daily News
	5 20	Danee Standard do do	Napanee Standard
1 000 50	586 45 30 04	n Waddell Amount of contract and extras for breakwater b. Collins Repairs to boat, &c	Geo. Collins.
1,028 59		Nottawasaga Island.	
	600.00	do superannuation tax	
1,032 39	1 1 90	do Superintending building of breakwater	Jos, White & Co W. R. Anderson & Co W. T. Toner
1,002 01	1	Oakville Pier.	
200 00		K. Chisholm	
		Owen Sound, Presqu'Isle.	
125 00	100 00 25 00	hn McKenzie	John McKenzie E. Broders
		Owen Sound.	
		Gordon Appropriation for maintenance Harbour Lights in	T. Gordon
	1 100 00	S. Miller Salary as Keeper of Light, from 11th February to	
	38 70	do Hire of boats, lamps, &cdo	_
151 29		Parry Sound.	
300 00		do superannuation tax \$296 25	William McGowando
·			
.] 37,378 52		Carried forward 9	

	Montreal, etc.—Commune.		
	Brought forward	\$ cts.	\$ cts. 37,378 52
James Cumminsdo	Pelee Island. 12 months salary as Light-keeper \$429 69 do superannuation tax 5 31		435 00
P. Kilraine do	Penetanguishene. 12 months salary as Light-heeper, \$148 13 do superannuation tax		150 00
Moise Leclercdo	Point Claire Lightship No. 1. 12 months salary as Light-keeper		300 00
E. Charleboisdo	Point aux Anglais. 12 months salary as Light-keeper		
	Point Peter. \$395 60		200 00
W. Garrison	do superannuation tax	40 9 00 110 83 92 15	603 98
W. G. Foote	Point aux Pins. 12 months salary as Light-keeper		
	Point Pelee Reef. 12 months salary as Light-keeper \$493 75		150 00
		270 00 31 44	926 5 ^T
	Port Dalhousie. Salary as Light-keeper to 28th Oct., 1879 \$96 78 Superannuation tax	- 98 03	
do Wm. Smith	June, 1880 \$199 47	201 97 .19 00 .10 10	329 10
	Carried forward ,		40,472 17

<u> </u>	Brontical, cio. Communa.		
	Brought forward	\$ cts.	\$ cts. 40,472 17
	Port Maitland.		
Fergus Schofielddo	12 months salary as Light-keeper	250.00	
Jno. Matthews Wm. Martin Jas. Rolston	Lumber, &c	350 06 10 75 3 60 4 95 45 45 44 50	458 6 5.
	Port Colborne,		
D. H. A. Fortierdo	12 months salary as Light-keeper	500 00	
Haun & Matthews Wm. Arnott H. Bell	Express charges and repairs	9 85	1,535 76
	Port Dover.		
Henry Morgando	12 months salary as Light-keeper \$256 75 do superannuation tax 3 25	a	26 0 0 0
	Port Stanley.		
Charles Ead do	12 months salary as Light-keeper \$296 25 do superannuation tax		300 00
	Pigeon Island.		
T. Eccles	Building Slide and painting Light-keeper	68 25	371 84
	Porphyry Point.		
Donald Rossdo	10 months salary as Light-keeper \$329 16 do superannuation tax 4 17	333 33	
John Ross	. 2 months salary as acting Light-keeper	66 67	400 00
	Port Burwell.	<u>!</u>	
do	. 12 months salary as Light-keeper \$222 50 do superannuation tax 2 50	225 00	
J. Backhouse	Materials and repairs	25 18	250 18
_	Presqu'Isle Main Light.		·
do	12 months salary as Light-keeper	375 00	
do	Labor and material for repairs		
	Carried forward	392 70	44 ,048 60

	Brought forward.	\$ cts. 392 70	\$ cts. 44,048 60
	Presqu'Isle Main Light-Concluded.		
Isaac Chase	Drills, iron shackles. Painting Stove, elbows, &c. Repairs to boat. Lumber for repairing Pier. Carting lumber	4 15 24 00 9 65 6 00 6 96 3 00 7 50	453 9 6
	Point à Cadieux.	1	
Felix Valoisdo	12 months salary as Light-keeper	200 00	
W. W. Robertson	Nails, glass, putty, coal and freight Professional services	14 76 66 00	280 76
	Point Clark.		
do	12 months salary as Light-keeper \$429 69 do superannuation tax 5 31 Pninting, light and dwelling	435 00 28 00	
	7.1.7		463 00
do		30 0	
do	Boat, \$40; painting, lumber, &c., \$35.75	75 75	375 75
	Range Lights and Buoys, Presqu'Isle.		
do	12 months salary as Light-keeper		375 0 0
	River Thames.		
Thos. Cartier do	12 months salary as Light-keeper \$429 69 do superannuation tax 5 31		435 00
	Rondeau Harbor.		
Thos. Harrisondo	12 months salary as Light-keeper	400 00	
J. A. Malotte	Making and painting 6 bucys	107 33 520 00 2 50	1,029 83
	St. Anne Bout de l'Isle, Caron's Point.		
A. Caron do E. Chanteloup. D. Lebeau do	Painting, etc	60 00 4 00 10 45 1 25	
			75 70
	Carried forward	********	47,537 60

	Biolitical, etc.—Comunical.		
1	Brought forward	\$ cts.	\$ cts 47,537 60
	St. Anne Bout de l'Isle, S.E. and N.W. Passages.		
A. Deschamps E. Chanteloup	12 months salary as Light-keeper.	100 00 10 45	110 45
	Scotch Bonnet.		
Rebert Pyedo	12 months salary as Light-keeper		
	Horse hire	490 00 6 85	4 0 6 85
	Ste. Placide.		
C. Gauthier W. W. Robertson	12 months salary as Light-keeper	100 00 142 00	242 00
,	Salmon Point.		
L. Hudginsdo	12 months salary as Light-keeper \$296 25 do superannuation tax 3 75		
James & W. H. Huff E. Chanteloup Hiram Welbanks	Building fences	300 00 221 29 5 5 00 42 50 1 50 46 65	
· II. Ualtel	topaning tonous, name, tames, to	10 00	616 94
	Snake Island.		
N. T. Orr do	12 months salary as Light-keeper \$489 69 do superannuation tax 5 31	495 00	
N. Wilmot	Lumber, shingles, etc	132 20 18 82 11 67 16 50	674 9
	Sulphur Island.	` `	014 9
William Shepherddo	12 months salary as Light-keeper \$321 25		
do	2 days repairing tower.	325 00 5 00	330 00
	Southampton Range.		
D. Cascadendo	12 months salary as Light-keeper \$148 13 do superannuation tax 1 87		
	Spectacle Shoal.		150 00
John Buck do	12 months salary as Light-keeper \$553 00 do superannuation tax 7 00	500.00	
E. H. Ellis	Ladders, etc	560 00 22 00 24 60 6 75 25 72	
1	Carried forward	639 07	50,068 03

·		
Brought forward	\$ cts. 639 07	\$ cts. 50,068 03
39 day labor, \$1.50	58 50 58 50 47 87	803 94
Thunder Cape.		
12 months salary as Light-keeper	500 00	
Oil, nails and flooring	17 25	517 25
$\mathit{Telegraph}^{\mathtt{L}}_{\mathtt{L}}\mathit{Island}.$		
12 months salary as Light-keeper	200.00	
Painting lantern, cupola and deck	1 50	201 50
Victoria Island.		
12 months salary as Light-keeper	100 00	
Burners, chimneys, &c	4 30 11 00	12 6 60
Weller's Bay.		***
12 months salary as Light-keeper		
Purchase 6 acres of land	750 60 750 60 23 25 55 98	97 9 23
Way Shoal (Ottawa River.)		0.0
12 months salary as Light-keeper		100 00
Windmill Dains		
12 months salary as Light-keeper		
Labor, screw, putty, &c	150 00 9 50	
Wolfe I Island.		159 50
12 months salary as Light-Keeper		
Advertising tenders	250 00 3 60	
		253 60
Carried forward 14		53,209 65
	Spectacle Shoal—Concluded. 39 day labor, \$1.50 do do Nails, files, timber	Brought forward 639 07

$\begin{tabular}{lll} {\tt STATEMENT} & of & Expenditure & on & account & of & Maintenance & of & Lights & above \\ & & & Montreal, & etc. & -- Concluded. \\ \end{tabular}$

	Montreal, etc.—Concluded.		
	Brought forward	\$ cts.	\$ cts. 53,209 65
	GENERAL ACCOUNT.		
Darius Smith do	9 mouths salary as Superintendent \$882 00 do superannuation tax 18 00		
P. Harty do	1 months salary as Superintendent \$81 66 do superannuation tax 1 67	900 00	
do	On account travelling expenses	83 33 100 00	
Darius Smith	Pay-list for labor, general repairs, &c	563 30	
W . McRossie	Freight on oil	4 25 22 70	
deorge Cox	Plate and printing cheque-booksLime	50 00	
V. H. Steele	Services, compiling Lighthouse accouts. Freight on oil, soap, &c	33 75 243 € 0	•
Japt: A. Foster	Freight on oil, soap, &c	12 00	
Steamer "Celtic"	Contract for delivering Lighthouse supplies	120 00. 2,233 38	
Ohn Tavior At Kro	ld nneumatic extinguishers	180 00	
os Tomlinson	Wicks, burners, oil-tanks, files, &c	148 70 326 47	
C. A. PHADERHO & UO	DUB DAFFEIR OIL	4,476 47	
A. Christie & Co	4 iron buckets, oil can and pan	19 25 5 00	
P. Baskerville & Bros Hamilton Spectator	16 brooms Advertising Lighthouse supplies and supply steamer Travelling expenses	4 89 8 20	
W. P. Anderson	Travelling expenses	75 00	
a. briage	Postages, telegrams, &c	9 89 ;	
Leslie	Freight on supplies for Upper Ottawa Lights Binocular glasses Maintaining Colchester Reef Lightship during	90 87	
	Maintaining Colchester Reef Lightship during season of 1879	700 00	
·-	wicks, &c	87 70	
Iontreal Gazette Print-	Advertising tenders for delivery of supplies	3 40	
rish Canadian	do do do	3 40 3 40	
Guelph Herald Printing			
ames Swift	Rent of store-house for supplies	49 90	
Surland Lith. Co Shareholder Publishing	Printing, binding and perforating cheques	9 50	
monetary Times	Advertising for charter of supply steamer do Parry Sound Pier	.2 80	
dugh Allan & Co Kingston Corporation	48 yards cotton	4 80	
I Shore & Co	Stationery bag for Superintendent of Lights Advertising for paint, oil, and supply steamer	388 13 4 00	
oronto Evening Title-			
Gram	do supply steamer do do	2 72	
St. John, P.Q., News	do dodo tenders for Dorval Light	3 40	
Wm. Smith	Travelling expenses inspecting	3 60 12 50	
	Fractional difference on superannuation allowances	11,012 73 0 20	,
	Buoys and Beacons.		11,012 93
P. McIntyre	Expenses hany service Michinicaten Island	14 66	
F. Strain	Inspecting buoys and beacons at Parry Sound	30 00	

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

					_
•	Brought forward		cts. 66	\$ 64,222	cts. 58
	Buoys and Beacons-Concluded.		Ì		
Robt. Day A. Clark Wm. Watts J. McAuley Geo. Collins do Jos. Geneir John P. Jones William Lee R. Joyce & J. Martin Jas. Campbell W. McRossie A. G. McDonnell Jos. Wilson do do Wm. Watts	Tug "Minnie Walker" setting buoys, Collingwood Painting and laying buoys, Collingwood Dragging for buoys and anchors Buoy for Surprise Shoal Taking up buoy do Attending buoy, Port Lewis Stone anchor and spar buoy, Bar Point Assisting to take up and land, Burlington Bay do place buoys do	31 5 34 5 42 15 75 18 3 2 1 65 163 361 35	41 00		
Prescott Messenger	Advertising tenders	3	58 95	1,286	90
Queen's Printer	Stationery, printing, &c			65,509 122	
	REFUNDS.— Unexpended balance, to Receiver General from James Cummins	113	25 20	65,632	
	Total			65,518	61

WM. SMITH, Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

APPENDIX No. 2.

To the Thirteenth 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, 1880.

		\$	cts.	\$	cts.
ì	Ash and Bloody Islands (Two Range Lights).		- 1		
J. W. Hammonddo	12 months salary as Keeper	900	00		
do	Stone and repairs		5 00		
do	Repairs to house	64	1 50		
ďo	Coal oil, \$12; ladder, \$6	_	3 00		
do	Boat and repairs		90		
	Hardware		8 65		
				45	2 05
-	Batiscan (Two Range Lights).				
J. Marchand	Salary as Keeper, No. 2	8	0 00		
L. Fugere	do No. 1	-	o oo i		
do	Ground rent, 1879-80		6 00 L		
J. Marchand	do		6 00		
A. G. Olscamp	Repairs		5 00 4 00		
Chinia Recordet & Co.	Travelling expenses		0 80		
oninic, beauter a co	HOUR			18	81 80
			1		
	Buoys.				
C. Vezina	Bolts		l		12 10
	Cape Charles (Two Range Lights).				
W. Boisvert	Salary as Keeper				
	Steperation was the state of th	1!	50 00		
do	Ground rent, 1879	j :	00 01		
W. Barbour	Travelling expenses	1	8 75		
w. Boisvert	Freight and postage		1 75	١,	70 50
•		1		1 1	•• ••
	Cape Madeleine (Two Range Lights.)			1	
A. Montplaisir	. Salary as Keeper, No. 2) 10	00 CO	}	
Manuel	. do No. 1	• -	00 00		
P Tali	Repairs to Lighthouse	} '	40 00 9 10	t	
P. Jobin P. Hebert	Travelling expenses Painting	1	6 60	1	
A. Montrelaisir	Ground rent, 1879	}	12 00	1	
		l		1 2	267 70
	Champlain.			1	
	•	}		1	
N. Hardy	. Salary as Keeper	1	00 00		
do	. Taking charge of two extra Lights during season	i	90 00		
Renaud et Cie	Chimneys		30 00 1 00	1	
Audet & Robitaille	Rope	1	0 72	1	
W 110011011101111111				.) :	131 72
	Garaina Garanna	1		1	218 0
	Carried forward		**. ******	L)	215 87

			·
	Brought forward	\$ cts.	\$ cts- 1,215 87
•	Contrecœur (Two Range Lights).		
J. Gervais	Salary as Keeper do	100 00 75 00	175 00
	Grondines (Two Range Lights).		
Epi Trottier	Salary as Keeper, No. 1	100 00 100 00 37 00 10 00 4 00 50 00 19 00 10 00 40 00 14 74 4 25 3 75 3 00 3 45	399 19
	Isle à la B ague.	ĺ	
do	Salary as Keeper Putting up and taking down tower Canvas	128 00 30 00 7 55	165 55
	Isle de Grace.		
	Salary as Keeper Putting up and taking down tower	240 00 45 00	285 00
	Isle aux Prunes.	1	
do	Salary as Keeper	120 00 40 00 16 00	176 00
W Matté	11 months salary as Keeper \$199 14		
F. Arbour W. Matté	Superannuation tax		403 62
Sheppard & Pangburn Chinic, Beaudet & Co A. W. Glassford	Salary as Keeper	240 00 30 00 131 53 31 25 40 00 5 00	477 78
	Carried forward		3,298 01
'	18		0,-50

	!	\$ cts.	\$ cts.
İ	Brought forward		3,298 01
	Isle Ste. Thérèse (Two Range Lights).	}	
do	Salary as Keeper, No. 1	144 00 80 00 12 75 40 00 10 00 35 05 1 30	323 10
	Lacolle (Two Range Lights).		
.do	Salary as Keeper	150 00 4 14	154 14
	Lavaltrie (Two Range Lights).		
do	Salary as Keeper \$296 24 Superannuation tax 3 76 Putting up and taking down tower. Fuel, 1879 Repairs to Lighthouse Ground rent, 1879 Travelling expenses	300 00 60 00 20 00 33 35 30 00 11 25	454 80
	Lake Memphremagog (Six Range Lights).		
L. Boucher. L. H. Wadleigh. H. Ruffin. J. Fassin. T. Quinn. Fitzgerald & Co.	do dodo do do do do do do do do do do do do d	28 50 27 00 30 00 12 00 16 50 27 00 29 14 9 00	179 14
	Lightship No. 1.	į.	
P. Dauphinais	Salary as Keeper \$496 24 Superannuation tax 3 76 Repairs to hull fromwork Lumber Oak Storage and wintering Fuel, 1879 Glass Doors Knees. Hardware	500 00 9 21 73 630 55 206 12 196 80 50 10 30 00 83 07 16 00 7 00 9_88	2,671 25
H. Fisetdo	Lightship No. 2.		
7		500 00	
	Carried forward	500 (0	7,080 44

Brought forward	\$ cts. 500 00	\$ cts 7,080 44
Lightship No. 2-Concluded.		
Storage and wintering	63 50	
Fuel, 1879	30 00	
Hardware		
Stove	11 25	
Flag	7 00	671 64
Lightshiv No. 3.		,
· ·		
Superannuation tax 3 76	j	
fronwork		
Lannching	40 00	
Lumber	193 υ5	
Oak		
(10	1	
Storage and wintering		
Fuel, 1879	30 00	
	38 00	
Rone	17 05	
Hardware	9 80	
Mast		
	12 70	2,863 09
L'Islet Richelieu.		2,003 00
Salary as Keeper	160.00	
Fuel, \$15; boat hire, \$7	22 00	
Repairs to house	4 50	186 50
Tally And D. Tital		100 50
, ,	1	
	80 00	
do No. 2	80 00	160 00
Montreal Harbor (Typo Range Lights)		
:		
Fuel, 1879	5 00	
Painting		
burners and chimneys		406 20
North Half-Way Point (Two Range Lights).		
	İ	
Superannuation tax	į	
-		170 00
	Lightship No. 2—Concluded. Storage and wintering	Brought forward

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

		··	
	Brought forward	\$ cts.	\$ cts. 11,537 87
	Platon (Two Range Lights).	!	
P Passadat	Solom of Vocana	180.00	
do	Salary as Keeper	120 00 3 65	
			123 65
	Pointe-aux-Trembles (Two Lights).		
A. Lamoureux	Salary as Keeper	130 00	
J. H. Gregory	Repairs to Light. Travelling expenses	55 90 26 90	
W. Barbour	do	22 35	
G. T. Phillips	Smiths' repairs	10 00	
Chanteloup	Lamps	2 25	247 40
_	Pointe du Lac.		211 10
M. Paquin	Salary as Keeper		100_00
	Port St. Francis (Three Range Lights).	,	
E. Duval	Salary as Keeper	160 00	
H. Brassard	Putting up and taking down towers	60 00	
	Pointe aux Citrouilles.		220 00
°C. Brunelle	Salary as Keeper	200 00	
do	Repairs to Lighthouse	7 50	
., do	Fuel and storage		
J. H. Marchildon	Ground rent, 1879	13 00 i 12 00 i	
F. Marchand	House rent	8 00	
	Portneuf.		249 50
F. Rodrique	Salary as Keeper		
	<u> </u>	250 00	
A Go	Fuel, 1879	10 50	
8. Redard	Ground rent, \$5.50; cartage, \$1.40	6 90 3 35	
W. Fournier	Paint and brush	1 83	
Chinic, Beaudet & Co	Nails	0 30	
	Repentigny (Two Range Lights).		272 88
C. Rivet	Salary	56 00	
B. Lachapelle	do	56 00	
U. Rivet	Painting Canvas	6 00 5 40	
	Rivière du Chêne.		123 40
W			
O. de la Chevrotière	Salary as Keeper	75 00 1 40	
do in Ottoviole	St. Antoine.		76 40
1		}	
L. Lafleur do	Salary as Keeper	l i	
do	Superannuation tax 1 88	150 00	
n do	Fuel, \$5; repairs, \$5.15	10 15	
Pugnet & Co	Clock and ranging	5 00	
uc, Beaudet & Co	Zinc and putty	4 93	170 98
		.	
	Carried forward		13,121 18
	21		

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

	Brought forward	\$ cts.	\$ cts 13,121 18
	Ste. Croix.		10,121 20
W Thurbon	Salary as Keeper \$172 80		
do	Superannuation tax 2 20		
do	Repairs	175 00 20 15	
do	F . 1879	10 00	
Audet & Robitaille	Canvas Ground rent, 1879	21 60	
U. Desrochers Chinia Regudet & Co	Point poils to	6 00 2 22	
O. Giguere	Paint, nails, &c	1 50	
_	St. Pierre les Bicquettes.		236 47
S. C. Francœur	Salary as Keeper		70 00
	St. Valentine (Two Range Lights).		• • • • • • • • • • • • • • • • • • • •
D. Ne	1		
P. Martin do	Salary as Keeper		
400			150 00
	Sorel Harbor (Two Range Lights).		
Richelieu Co	Keeping Light during season, 1879-80		85 00
	GENERAL ACCOUNT.	, }	
O. Simord	Tanks	144 00	
E. Chanteloup	Chimneys, burners, wicks, &c	1,045 70	
A. J. Turcotte	Linseed oil	277 00	
Chinic, Beaudet & Co	Paint	428 90 108 50	
Sincennes & McNeuchton	Towage	200.00	
J. P. Dery	Stationery	30 95	
C. E. Holiwell	do	18 75	
J. U. Gregory T. Routhier	do	97 70 5 85	
G. Lamontagne	Repairing clocks	3 00	
J. D. Dallalle	1211 TC10POD MMW PAIM MINK	20 00	
L. Marois	Baskets		
G W Lindsov	PostagesCanoe	29 88 25 00	
Queen's Store	Storage	74 50	
Audet & Robitaille	Storage	5 59	
J. Hamel et Frère	Glass cloth	6 96	
Dominion Telegraph Co	Messagesdo	14 43 38 12	
T. Berrigan.	Clearing snow	35 00 I	
J. Dunn	Soap	24 00	
O. Giguere ,	. Oil-tanks	98 80	
L. Brousseau	Subscription to Courrier du Canada	12 00	
Kenaud & Co	Lamps, chimneys, &c	30 10	
G Glassford	Paint	14 80 2 00	
P. Mnilina	(leneral renairs	1 97 00 /	
J. Dionne	Sawing woodLadders	13 00	
J. Verret	Ladders	6 00	
J. Descroiseiles	Labor		
A. Fitzhenry	Cartage	4 50 8 50	
•			2,861 2
	Total	,	16,523 8

JOHN TILTON,
Accountant.

WM. SMITH,

Deputy Minister Marine and Fisheries.
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APPENDIX No. 3

To the Thirteenth 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, 1880.

	Amherst Island.	\$	cts.	\$	cts,
do	12 months salarly as Light-keeper		00		
Chinic Beaudet & Co	Paint, zinc, vice, &c	7	78	331	. 02
	Algernon Rock.		1		
P. Jobin	Plate glass	55 20 16 15 8	00 27 40 00 36 65 300 95 50	181	13
	Baie St. Paul.				
do do R. Blakiston Audet & Robitaille Chinic, Beaudet & Co J. Hamel et frères A. J. Turcotte	12 months' salary as Light-keeper	200 36 18 33	0 00 0 00 3 20 2 90 3 52 4 60 1 44 1 06	297	7 01
	Bellechasse.		ļ		
do O. Thibault	12 months salary as Light-keeper	1	0 00 3 16 7 25 3 03 2 34 2 00 1 75	· 34	9 53
	Belle Isle.		1		
do	12 months' salary as Light-keeper		0 00		
	Carried forward 23	1,06	0 00	1,15	8 69

,	Brought forward	\$ cts.	\$ cts. 1,158 69
	Belle Isle—Coucluded.	ĺ	•
do do do S. Peters J. H. Chaloner M. Colton Chinic, Beaudet & Co A. J. Turcotte L. Arel J. Shea & Bros, L. Marois J. Marmen W. Barbour, O Giguère W. Crawford J. B. Renaud L. Leclerc	Labor, building new Lighthouse do do shed, and repairs do erecting flag-staff do making cart and sleigh Lumber do Provisions, \$7.60; repairing boat, \$20 Hardware Provisions for workmen do do do do do do Horse Pay list for labor Repairs, stove and pipe Cement and coal Outs, bran and hay Junk	1,476 20 316 90 25 20 21 50 288 74 56 11 27 60 146 63 51 30 38 00 64 75 7 10 100 00 33 60 58 80 97 00 45 66 16 80	
G. T. Phillips Audet & Robitaille Fisher & Blouin A. Pelletier et fils Duquet & Co J. Lortie J. Hamel et frères E. Giroux et frères T. Houghton	Hinges, lead, etc Canvas, flag, etc Harness and blankets Lime Clock and repairs Barrelling coal Glass cloth Medicine	23 47 29 65 19 50 10 00 8 50 17 85 11 76 2 55 1 00 4 80 2 40	
J. B. Renaud		50 65 3 15	4,117 17
L. Lecierc	do superannuation tax	12 00 11 25 7 20 4 32	735_ 68
do	12 months salary as Light-keeper	600 00 900 00 332 20 26 45 47 11 70 35 200 90 26 44	6,011 54

	•		
	Brought[forward Bird Rocks—Concluded,	\$ cts. 2,202 55	\$ cts. 6,011 54
J. Hamel et frères. P. Whalen	Hardware	78 92 16 12 68 00 33 60 24 45 7 50 4 00 8 75 3 00 2 95 1 50 1 11 4 00	2,456 45
	Brandy Pots.		
do	12 months' salary as Light-keeper	400 00 45 00 3 90 2 34 1 90	453 14
	Cap aux Oies.		
do	12 months salary as Light-keeper. \$197 48 do superannuation tax. 2 52 Fuel for 1879-80	200 00 20 00 12 00 4 79 6 44 2 20 1 50	246 93
70 0000	Cape Chatte.		
do	12 months salary as Light-keeper	300 00 63 09 8 00 13 00 5 00 2 34 2 40 0 75	394, 58
1	Cape Despair.		
do O. Giguère	12 months salary as Light-keeper	400 00 20 00 15 20 2 70 0 80	438 70
	Carried forward		10,001 34
	25		

	Quebec, etc.—Continuea.		
	Brought forward	\$ cts.	\$ cts. 10,001 34
	Cape Gaspé.		
C. D. Esnouf	12 months salary at Light-keeper \$395 00	400 00	
do J. Eden	Allowance for Engineer. Postage Freight on coal Travelling expenses. Freight on coal. Packing, steam whistle, gauge glasses, &c. Repairs to chimneys, &c. Iron Ruby glass. Bricks and cement Lumber Spars Glass cloth Lime	400 00 2 43 76 00 4 00 95 32 127 69 32 80 18 67 15 50 13 85 9 12 3 00 2 88 1 00	1,201 <i>6</i> 6
	Cape Mag Jalen.		
do	12 months salary as Light keeper. \$296 24 do superannuation tax. 3 76 Fuel, 1879-'80. Building fence. Repairs to Lighthouse. Painting. Making road. Building flatboat. Lumber Painting, and clearing land. Repairs to house. Paid lumber, &c., repairs to Lighthouse. Hardware. Canvas, rope, &c. Repairs, pipe, &c. Glass cloth. Lime. Lamp.	21 00 10 00 25 00 35 00 28 03 23 77 18 85 . 2 88	626 6 3
	Cape Norman.		
E. Chanteloup T. Routier Chinic, Beaudet & Co E. Giroax et Frère J. Hamel et Frères J. H. Chaloner.	12 months salary as Light-keeper \$493 72	15 40 13 37 10 60 7 82	597 5 4
	Cape Ray (Light and Fog-Whistle).		
R. Renniedo			
do	Allowance for Engineer	600 00 400 00	
	Carried forward	1,000 00	12,427 17

	Brought forward	\$ cts.	\$ cts. 12,427 17
	Cape Ray, (Light and Fog-Whistle)-Concluded.	Ì	
T. Routier E. Cazeau Chinic, Beaudet & Co. G. T. Phillips S. Bédard Audet & Robitaille R. Blakiston J. H. Chaloner Noonan & Davies W. Crawford L. Arel J. Shea J. R. Renaud et Cie E. Giroux et Frères T. Houghton J. Hamel et Frères A. Pelletier et Fils Renaud et Cie.	Fuel for 1878-79 Building shed for Fog-Whistle. Wheels Hardware Packing, hose, &c Repairs to lamp Canvas Sails Lumber Passage of men Bricks and cement Tallow Water puncheons Uats, bran, &c Medicines Horse shoes, hammer, &c Glass cloth Lime Burners and chimneys Stove	35 00 47 97 15 85 246 91 55 50 46 15 16 20 10 00 12 00 6 90	
			2,022 10.
	Cape Rosier.		
do	12 months salary as Light-keeper	55 58 16 80 9 70 5 75 7 28 4 32	935 59-
	a b		
do	Carleton Point. 12 months salary as Light-keeper. \$296 24 do superannuation tax. 3 76 Fuel for 1879-80	300 00 20 00 4 00 2 16	326 1 6 :
A. Rondreau X. Savard F. Gauthier J. Dupère J. Gourdeau A. Simard Louis Guay O. Tremblay Chinic, Beaudet & Co T. Rontier	Salary for season of 1879do do	1 17 75	·
	Carried forward		15,711 02:
	27		

	Brought forward	\$ cts. 722 81	\$ cts
	Chicoutimi Range and Buoys-Concluded.		
F. H. Thompson St. Lawrence Steam Na-	Lanterns	21 00	
vigation Co Renaud & Co	Freight on 5 bbls. oil, lamp, etc	13 35 6 90 4 35	
J. M. Tardwel	Glass	3 00 2 08 2 00	
	Chicoutimi Wharf.		775 49
C. Harvey	Salary for season 1879	***************************************	60 00
	Crane Island.		
Joseph Painchaud do	12 months salary as Light-keeper \$316 00 do superannuation tax 4 00	320 00	
Audet & Robitaille	Fuel, 1879-86, \$16; flag and repairs, \$11.07 Rope, canvas, etc	27 07 41 77	
P. Jobin	Travelling expenses	12 60 4 90	
Chinic, Beaudet, & Co	Iron	8 01 2 88	
O. Giguère	Tinsmiths' repairs	1 00	418 23
	East Point, Anticosti.	İ	
Thomas Gagnédo	12 months salary as Light-keeper \$395 00 do superannuation tax 5 00		
	Allowance for two assistants	400 00 400 00 1	
J. B. Renaud & Co J. H. Chaloner	Oats, bran, etc	24 33 10 50	
8. Bédard	Repairing lamp	6 80	
J. Hamel et frères	Glass cloth	6 38 (5 40	
A. Pelletier et fils	Globe	2 00 0 30	
J. Shea & Bros	Depot:	14 65	
TO DECOR OF DECORATION OF THE PERSON OF THE	Egg Island.		870 36
Paul Côtédo	12 months salary as Light-keeper \$493 72 do superannuation tax 6 28		
do	Fuel for 1879-80	500 00 34 00	
O. Giguère	Chimney cap, pipe, repairs, etc.	29 00	
Audet & Robitaille	Hardware	15 23 11 89	
T. Routier	Kods	10 70	
J. Hamel et frères	Filter Glass cloth	6 50	
Duquet & Co	Clock	5 50	
T. Pelletier	Medicines	9 85	
Lachance & Dugal	Repairs by carpenters	4 00	
A. relietier et nis	Lime	1 00	637 T
	Carried forward	 	18,472 8

	Brought forward	\$ cts.	\$ cts. 18,472 87
	Ellis Bay Depot.		•
R. Setter	12 months salary as Keeper \$197 48 do superannuation tax 2 52	200 40	
J. Shea & Bros	Pork	200 00	214 00
	Entry Island.		212 00
J. Cassidydo	12 months salary as Light-keeper \$296 24 do superannuation tax 3 76	300 GO	
Chanteloup	Fuel for 1879-80	20 00 26 00 14 87 4 50	
W. M. McDonald	Glass cloth	3 78 4 00 3 00 2 95 2 00	
	Etang du Nord.		381 10
M. Chaloner	12 months salary as Light-keeper	10 30	
T Our :	Fog-Whistle.		
T. O'Brien	12 months allowance for Engineer. 88 tons of coal, at \$1.90	400 00 167 20 351 57 100 00 38 00 10 75	1,517 81
	Fame Point.		-,
Q. M. O. & O. Railway	Freight of supplies		14 31
_	Fåther Point.		
do	12 months salary as Light-keeper \$337 48 do superannuation tax 2 52	240.00	
Uninic, Beaudet & Co L. Leclerc O. Giguère L. Lefebre G. T. Phillips P. Routier	Fuel, 1879-80, \$20; cartage and repairs, \$10.90 Hooks, buckles, etc. Junk Drip-pans. Stove-pipe. Lead. Hinges Chain and rope.	10 15 16 80	
	Carried forward 29	435 52	20,630 09

	Quebec, etc.—Continuea.		
	Brought forward	\$ cts. 435 52	\$ cts. 20,630 09
E. Giroux et fréres	Glass cloth	7 62 3 65 3 50	450 29
	Forteau.		
do	3 months salary as Light-keeper	100.00	
M. T. Wyattdo	9 months salary as Light-keeper	100 00	
J. B. Renaud	Oats, bran, etc	300 00 17 98 12 00 16 80 7 30 9 07 4 32	467 47
	Fog Whistle.		
P. Fournier P. Godier Acadia Coal Co Noman & Davies F. W. Henshaw G. T. Phillips do L. Arel	12 months' allowance for Engineer. To pay wages putting up house. Board of Engineer 165 tons coal, \$1.90. Paid freight of coal 82½ tons coal, \$1.90. Whistle and tubes. Wire Tallow Rods	400 00 57 20 62 50 313 50 507 52 156 75 413 85 2 40 16 20 8 70	1, 9 38 62
	Gaspé Basin.		1,935 02
E. Chanteloup	Salary as Light-keeper during season of 1879 Flag and rope	63 00 15 05 12 50 0 50	91 05
	Gaspé Lightship.		-
J. Eden	12 months salary as Keeper	400 00 6 00 5 10 1 50	412 60
a n	Green Island.		
G. W. Lindsay do	12 months salary as Light-keeper \$493 72 do superannuation tax 6 28	F00.00	
do	Allowance for Assistant, \$100; Gunner, \$200; Water, \$60 Painting and repairs Sails Hardware Junk Stove and pipe Carried forward	360 00 25 00 33 00 35 27 28 (0 22 25	23,990 12
	30	. 1,000 02 1	20,000

	Brought forward	\$ cts. 1,003 52	\$ cts. 23,990 12
	Green Island-Concluded.	1	•
J. Hamel et frères. G. Lamontagne Renaud et Cie	Rope, chain, &c	7 30 4 32 1 50 1 20	1,032 02
	Greenly Island.	}	
do E. Chanteloup	12 months salary as Light-keeper	600 00 178 10 143 25 99 45 45 44 33 60 22 50 13 35 16 30 16 50 31 90 10 00 15 00 11 00 8 10 8 10 5 40	1,272 19
T. R. Desjardins O. Giguère Audet & Robitaille	Kamouraska. 12 months salary as Light-keeper	400 00 49 80 17 80 8 10 4 55	480 25
do do do Audet & Robitaille Chinic, Beaudet & Co J. & W. Reid E. Giroux et frères J. Lortie O. Giguère B. Leonard	12 months salary as Light-keeper	38 98 11 70 18 00 9 00 11 55 4 50	375 83 °
1	Carried forward		27,150 41

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

	Brought forward	\$ cts.	\$ cts- 27,150 41
	Lower Traverse Lightship.	}	
do G. T. Davie	Scraping	1,700 00 6'0 00 200 00 531 49 112 90 12 81 154 40 41 85 6 00 95 15 17 00 70 00 29 97 22 50 15 10 15 00 10 00 20 00 2 88 4 60	
S. Peters	Lumber Medicine	4 27 1 00	
Renaud et Cie	Lamps, chimneys, &c	1 95	3,681 79
	Fog Whistle.		
Carrier, Laine & Co R. Patterson S. J. Shaw P. L'Italien	21 tons coal, at \$5.50 per ton	115 50 100 64 15 00 7 20 61 25	902 77
do	Macquereau Point. 12 months salary as Light-keeper	300 00 20 00 5 26 5 09 2 45 1 75	334 55
do do do A. Dumais	12 months salary as Light-keeper. \$296 24 do superannuation tax. 3 76 Fuel for 1879-80	25 50 11 50 70 42 25 50	470 30
	Carried forward 32		32,539 82

Matane.		Brought forward	\$ cts.	\$ cts 32,539 82
Desjardins				,
Manicouagan Lightship.	do do Blakiston T. Phillips dudet & Robitaille Hamel et frères	12 months salary as Light-keeper	10 00 44 85 9 45 6 80 5 09 5 01	, 222 12
G. T. Davie		Manicouagan Lightship.		300 20
R. LeBlanc. 52½ cords of wood, at \$2.20	G. T. Davie. J. Sullivan. D. Davidson. J. Sullivan. G. T. Davie. T. Routier. G. T. Davie. T. Routier. J. Dunn. Audet & Robitaille R. Blakiston. P. Vallière. J. Blais. W. Barbour. P. Stephens. J. Gandle. T. N. Tweddell. Chinic, Beaudet & Co. Renaud et Cie. O. Giguère. S. Peters. Giroux et frères. J. Hamel et frères.	On account of contract, 1880	650 00 200 09 554 80 364 46 218 93 92 65 96 69 93 05 17 09 175 98 91 15 19 50 40 00 16 40 91 00 15 00 18 38 6 97 26 85 18 77 3 55 2 88	4,975 2
Metis Meti	W. Crawford & Son	52½ cords of wood, at \$2.20	1,481 10 55 09	
do	W. Barbour	mepairs to engine and boiler	31 45	1,690 5
417	do do do S. Bédard	Fuel for 1879-80	12 00 20 00 13 17 14 95 11 52 10 80	
Carried forward 39,955				<u> </u>

	Quebec, etc.—Continued.		
	Brought forward	\$ cts.	\$ cts. 39,955 98
	Montée du Lac.		
E. Simard do	12 months salary as Light-keeper \$345 60 do superannuation tax 4 40	350 90	
Audet & Robitaille O. Giguère Chinic, Beaudet & Co O. Boily J. Hamel et frères	Fuel, 1879-80 Rope, carvas, etc Drip pans, and repairs to lamps Glass, lock, etc Freight of oil and lamps Glass cloth Medicine	30 00 7 44 6 00 7 72	40 8 6 2
	Oak Point.		
H. Chamberland	9 months salary as temporary Light-keeper	50 00 25 00	75 00
	Paspebiac.		
do	12 months salary as Light-keeper. \$148 12 do superannuation tax 1 88 Fuel for 1879-80 Blowing Fog-horn Freight, and repairs to Lighthouse Lantern Stove and pipe. Freight of supplies Glass cloth.	150 00 20 00 30 00 17 90 766 51 21 20 14 60 2 34	1, 022 ⁵⁵
	Percé,		
O. Giguère J. Hamel et frères Renaud et Cie	12 months salary as Light-keeper. Fuel, 1879-80, \$25; blowing Fcg-horn, \$40; painting, \$10.50	75 50 20 25 3 84 3 45	230 ^{1.4}
	Pilgrims.		200
do do do G. Bouchard	12 months salary as Light-keeper. \$335 76 do superannuation tax	340 00 68 00 18 23 26 30 33 80 14 74 12 00 11 86 6 75 3 00 2 34	537 02
	Carried forward 34		42,229 31

	Brought forward	\$ cts.	\$ cts. 42,229 31
	Pillars.		, -
do do T. Routier R. Blakiston Audet & Robitaille Chinic, Beaudet & Co. J. H. Chaloner. F. Belanger. P. Jobin G. Lamontagne. J. Hamel et frères. W. Crawford J. Brousseau A. Pelletier et fils. J. Brousseau.	22 months salary as Light-keeper	450 00 25 00 60 00 318 53 39 55 30 51 34 37 50 54 5 00 9 00 6 00 7 32 4 25 2 60 2 30 1 50 1 00	1, 047 4 7
do do J. B. Renaud E. Cazeau Chinic, Beaudet & Co L. Leclerc Audet & Robitaille T. Routier J. Hamel et frères. O. Giguère E. Giroux et frères.	Point des Monts. 12 months salary as Light-keeper	400 00 300 00 26 00 37 49 50 00 37 71 16 80 42 17 26 10 33 12 80 00 44 42	
J. H. Chaloner J. Sullivan Renaud et Cie J. Lortie Fisher & Blouin R. Leonard T. Houghton A. Pelletier et fils L. McLaughlin	Boat Lumber Junk Lamps, chimneys, &c Water barrei Horse blanket Wall paper Horse shoes Lime Depot:— Flour, pork and peas. Point Rich. 12 months salary as Light-keeper	7 25 2 50 7 65 2 40 2 40 1 09	1,382 <u>**</u> 98
do E. Chanteloup Crawford & Sons Uhinic, Beaudet & Co J. Hamel et frères Renaud et Cie	Fuel for 1879-'80 Repairing lamps Coal, cement and bricks Hardware Glass cloth Lamp chimneys Pine Carried forward	600 00 60 00 42 90 52 75 44 66 10 08 10 65 11 00	44,659_76

	Quebec, etc.—Commuta.		
	Brought forward,	\$ cts. 831 14	ets. 44,659 76
	Point Rich-Concluded.		
O. Giguère E. Giroux et frères	Barrelling coal	6 40 7 85 2 80 1 40	849 59
	Pointe aux Orignaux.		
do	12 months salary as Light-keeper	250 00	
Chipic Reaudet & Co	Fuel, 1879-'80	12 00 50 00 4 10 2 75 1 69 1 80	32 2 34
	Dains St. January	,	322 32
	Point St. Laurent.		
do		300 00	ı
Chinic, Beaudet & Co	Paid for lumber and repairs to lantern Hardware	6 13 9 \5	
O. Gignère	Tin	3 60 2 34	
Audet & Robitaille	Rope.	0 44	321 66
	Point St. John.		
C. Langloisdo	12 months salary as Light-keeper	300 00	
J. Hamel et frères	Fuel for 1879-80, \$16; repairs, \$3.25	19.25	323 37
•	Portneuf (Below).		
D. Tremblay do		250.00	
do	Fuel for 1879-86 Horse keep Pipe and repairs Runners for sleigh Iron, screws and nails	12 00	
E. Giroux et frères J. Hamel et frères	Medicine Glass cloth Chimaeys and burners:	5 00 2 34	
	Provision Depot :		437 10
M. McLaughlin	Flour		38 95
	Red Island Lightship.		<u> </u>
F. Larrivée do	Balance of contract, 1879	1,900 06 500 00	
	Carried forward	2,400 00	46,952 77

	Brought forward	\$ ets. 2,400 00	\$ cts. 46,952 77
	Red Island Lightship—Concluded.		
F. Larrivée	Paid for caulking and sundry expenses	25 68	
G. T. Davie	Dockage	200 00	
do	Iron plates, repairs and painting	353 40	
St. Lawrence Steam Nav-	Gun metal, bolts, brass and coppersmiths' repairs.	562 34	
igation Co'y		200 00	
O Gigudra	Rope, canvas, chain, etc	203 16	
T. Routier	Caulking and carpenter's repairs	182 37	
Chinic, Beaudet & Co	Hardware	50 34	
H. Wilson	Repairing engines and boilers	100 98 1 62 00	
J. Dunn	Soad	17 00	
J. Sullivan	Chain	64 35	
J. Blais.	57½ cords of wood for fuel, at \$2.50 Wintering	145 63 40 00 1	
J. Cunningham	Repairs to sails	53 00	
R. Blakiston	Sails, canvas, etc	23 62	
S. Peters	do	9 97 9 50	
T. N. Tweddell	Towage	15 00	
J. Gaudle	do Lantern and repairs		
	Watching	19 80 6 00	
E. Giroux et frères	Medicines	9 25	
A. McCallum	Repairing sail and canvas	4 50	
8. J. Shaw & Co	Lantern and glass	4 00 l 3 75	
. Hamel et frères	Glass cloth	2 88	
R. Patterson	Chimney and burner	1 30	
G. Lamontague	Repairing clock	3 00	
J			4,837 57
	Red Island Light.		
E. Fraser	12 months salary as Light-keeper \$493 72		
d o	do superannuation tax 6 28		
do	Allowance for fuel and water	500 00	
Uhinia Doondat & Ca	Handman	160 00 19 80	
Audet & Robitaille	Cotton, bunting, etc	13 79	
J. Hamel et frères	Glass Cloth	14 50 4 32	
			712 41
	St. Francis Range Lights.		
J. Maragan	12 months salary as Light-keeper	75 00	•
do	Fuel, four years, from 1876 to 1880	48 00	
J. LePage	12 months salary as Light-keeper	75 00	
Audet & Robitoille	Canvas	12 00 2 93	
U. Giguère	Stove pipes and repairs	2 70	
J. Hamel et frères	Glass cloth	0 82	A. A #
	~		216 45
b .	Seven Islands.]	
F. Arcand	12 months salary as Light-keeper \$495 00 do superannuation tax 5 00		
٠		500 00	
do	Fuel for 1879-80	30 00	
	Carried forward 37	530 60	52,719 29

	Brought forward	\$ cts. 530 00	\$ cts. 52,719 20
	Seven Islands-Concluded.		
J. Sullivan C. Vezina O. Giguère T. Routier J. Hamel et frères	Chain and rope Winch	21 50 32 00 17 50 16 50 8 50 6 36 0 92	633 28
do Chinic, Beaudet & Co	12 months salary as Light-keeper	600 00 30 00 10 40 11 20 4 32	
D. H. Têtu W. Mitchell	Freight on coal 96 tons coal at \$2.00. Empty barrels. Castings. 88 cords wood for fuel, at \$3.00 Depot:— Biscuits Flour.	520 00 356 00 192 00 5 00 4 90 264 00	
E. Pope	S. W. Point, Anticosti.	30 75	2,173 17
J. B. Renaud	Water puncheons Glass cloth Medicines Paint Lumber Spelter and borax	14 30 12 00 5 40	
J. B. Renaud	Depot:— Flour and pease	76 60	997 51
,	Tadousae.		!
J. Hamel et frères	Glass cloth		1 80
E. Pelletier do	Upper Traverse Lightship. Balance of contract, 1879	1,150 00 250 00	
	Carried forward 35	1,400 00	56,524 96

	Brought forward	\$ cts. 1,400 00	\$ ets 56,524 96
	Upper Traverse Lightship-Concluded.		
Auder & Robitsille	Rope, canvas, &c	90 79	
T. Routier	Outfit and repairs	132 92	
J. Dunn	Repairs to Lightship	318 27 1 17 00 1	
	Mooring bits	50 70	
8. Peters	Lumber	46 43	
	Wintering	40 00	
T N Twoddell	Patent stopper	60 00	
J. Gaudle	do	15 00 1 10 00 1	
Renaud et Cie	Lantern, chimneys, &c	11 90	
Uhinic, Beaudet & Co	Hardware	13 55	
O Giguère	Pipe, repairs, &c	14 55	
H. Wilson	Watching	29 00	
	Medicines	9 85 1 3 00 1	
J. Lortie	Repairing clocks	8 00 1	
S. Bejard	Kepairing lamps	12 40	
S. Pelletier.	Sundry renairs to lamns	8 25	
J. Hamel et frères	Glass cloth	1 44	
 	West Point, Anticosti.		2,293 05
8. Malouin	12 months salary as Light-keeper \$395 00	1	
do	do superannuation tax 5 00	400.00	
do	Allowance for assistant	400 00 200 00	
Chinic Beaudet & Co	Hardware	49 93	
L. Leclerc	Junk	16 80	
J. H. Chaloner.	Lamber	88 50	
B. Renaud & Co	Oats, bran, &c	21 38	
	Glass cloth	11 82 9 90	
E. Giroux et frères	Medicines	10 70	
Renaud et Cie	Lamps and chimneys	6 93	
Audet & Robitaille	Oakum	4 00	
A. Pelletier et fils	Lime	3 00 1	
	Depot:	ļ	
J. R. Renaud.	Flour and peas	17 60 1	
Shea & Bros	Pork	15 80	
J. Hamel et frères	Clothing	264 64	1 101 00
	Salaries and Contingencies.		1,121 00
J. U. Gregory	12 months salary as Agent \$1,959 96		
do	do superannuation tax 40 00	3 000 00	
L. A. Blanchet	do salary as Clerk \$882 00	1,999 96	
do	do superannuation tax 18 00	1	
		900 00	
R. E. Buteau	do salary as Clerk \$882 00	1	
do	do superunnuation tax 18 00	000 00 1	
L A Diamakas	Dotter and amonditure	900 00	
Dawson & Co	Petty cash expenditure	79 61	
A. Pank Note Co'v	Thegue books	29 82	
W. K Propago	Posta man	29 43	
A. Lacombe I	Repairing stamp	6 85	
J. Foote	Repairing stamp 12 months subscription to "Quebec Chronicle" Fowelling	6 00	
G. T Phillips	Repairs to brass in office, new safe key, &c	4 85	
t minhs	nepairs to orass in onice, new sale key, &c	3 00	4,981 77
		-	7,001 11
!	Carried forward		64,920 78
	39		

	Brought forward	\$ cts.	\$ cts. 64,920 78
	Buoys and Beacons.		
J. Lortie	New buoys	715 00	
do	Repairing buoys	275 60	
F. X. Cauchon	Placing and lifting buoys do	90 00 20 00	
D. Bonville E. Heppel		38 00	
E. Lacroix	do	16 00	
J. J. Fox	do	6 75	,
H. Leblanc	do	26 76	
St. Lawrence Steam Navigation Co		150 00	
J. Cassidy	do	25 00	
J. Eden	do	33 39	
B. Eden	i do	13 00	
	Salvage do	15 00 15 00	
A. Goudrault	do	20 00	
J. Gonrdean	do	12 00	
T. Routier	Pay-list, making chains, swivels and shackles	372 55	
A. Després	Chains	22 08	
J. Eden		5 84	
Audet & Robitaille	Repairing chain	51 94 ₁	
	Sinkers	112 90	
Bissett Bros		24 00	
C. Samson	Iron	32 84	
Chime, Beaudet & Co	do	124 65	
	Clearing snow	28 00 1	
J. Eden	Boat hire	14 00 20 00	
R Leonard	Pay-list, labour repairing buoys	4 00	
N. Jauphe	Freight	4 00	
J. H. Chaloner	.lCedar	1 00	
T. Routier	Cedar buoy	18 30	
Audet & Kobitalle	Scrubbers Repairing beacons	2 80 12 00	
J. Harvey	do	4 00	
R. Setter	New beacon	90 00	
			2,426.90
	GENERAL ACCOUNT.		
F. A. Fitzgerald & Co Ohinic, Beaudet & Co	. 15,226 gallons of petroleum oil, at 23½c	3,578 11	
E Chantalaun	\$2,100; freight, storage, &c., \$250	8,350 00 2,161 75	1
J. Hamel et frères	Chimneys, burners, fog-horns, &c	894 28	
R. Blakiston	Chamois, flannel, &c	180 00	1
Chinic, Beaudet & Co	Hardware and paint	1,303 19	
8. J. Shaw	do	24 95	
J. Sullivan	Iron	23 50	
O. Simard	Oil tanks do	113 80	{
	Canisters, tinware, &c	489 93	
A. J. Turcotte	Linseed oil, olive oil, &c	963 83	1
O. Simard	Paint, brushes, &c	102 50	ĺ
J. Sullivan	do	89 75	i
A. J. Turcotte	Brooms, brushes, soap, &c	113 05	1
E direct of friend	Empty barrels	65 00 46 55	
Renaud & Co	Medicines	1 40 55	•
E. Desgagné	Chimney cleaners	16 80	1
L. Leclerc	Lead	55 00	1
F. O. Vallerand	Lantern	2 00	
	Carried forward	18,727 44	67,347 68
	40	1 20,121 33	0.,0
	T V		

	Quebec, etc.—Commuea.		
	Brought forward	* cts. 18,727 44	\$ cts. 67,347 68
4	GENERAL ACCOUNT—Continued.		
J. & W. Reid	Felt	5 61	
Davidson	Oil and cotton waste	134 08 68 41	
W. McPherson	do	6 00	
Routier	Paid for lumber	58 16	
H. Chaloner	do 4 patient lamps for Piers or Lightships	155 48 157 00	
3. Seifert	Telescope	5 75	
Trottier	Hay	105 00	
orrest & Co	1 chaldron coal 15 do smiths' coal at \$7.00	7 00 105 00	
	Canvas, rope, etc	105 31	
Sonne	Flag	7 50	
A. Gauvreau	Cemeut	10 00 132 00	
Dunn	Soap	207 00	
Routier	Punching machine	18 00	
	Chain	17 25	
J. T. Phillips	Copper and brass smiths' repairs.	1,353 02 1 210 55	
R. Blakiston	Repairs to sails, etc	11 80	
Lortie	do to barrels and cooperage	103 64	
	Stove piping and repairs	3 00 29 60	
F. Desrochers	Smiths' work and repairs	46 00	
B. Leonard	Painting	6 80	
P Portugaio	Carpenters' repairs	33 70 15 00	
J. Dery	Stationery	185 95	
Dawson & Co	do	45 25	
B. Dalluire		30 00 29 30	
	12 months salary as Superintendent \$980 01	29 30	
do	do superannuation tax 20 00		
08. Eden	do salary as Sub-Agent at Gaspé	1,000 01 200 00	
J. J. Fox	do do Magdalen Islands	100 00	
Pay List	12 months assistance, office work	1,061 40	
do	Paid for labour, travelling expenses, etc	444 62 100 00	
	Expenses at investigations	144 69	`
do	Travelling expenses to Lighthouses	85 30	
Collector of Customs	Storage of oil	400 00 18 29	2
wontreal Telegraph Co	IMessages	205 51	
Cominion Telegraph Co.	do	17 98	
J. Marmen	12 months postages do cartage.		
Cunningham	do watching	182 00	
do	Life preservers	106 00	
do	Wharfage of coalsLabour at do	200 00 20 00	
do	Postage and telegrams		
M. E. Fitzhenry	Making powder bags	156 02	
		5 00 11 89	
K. Nolan.	do	5 00	
Militia Department	do do Storage of powder Clearing snow	27 20	
Canadian Evapass	Clearing snow.	35 00	
alchelien Co	· do	9 75	
Allans, Rae & Co	. do	46 01	İ
Q.M.O. & O. R.R	do	10 51	
	Carried forward	23,178 80	67,347 63

	Brought forward	\$ cts. 23,178 80	\$ cts. 67,347 68
	General Account—Concluded.	·	-
Edward Trout H. S. King & Co L. G. Desjardins J. J. Foote Mercier & Co G. T. Cary S. Marcotte J. G. Gingras J. Brousseau J. Carrel L. J. Deniers L. L. Heureux J. Dionne D. Laliberte H. C. Austin M. E. Fitzhenry J. Brousseau A. Baquet G. Lamontagne Chance Bros. & Co	Freight	4 00 8 32 12 50 7 00 119 10 20 50 42 00 20 00 6 10 2 20 3 00 3 05 4 00 3 00 807 28	29,166 82
Queen's Printer	Stationery and printing		189 37
			96,703 87

WM. SMITH,
Deputy Minister of Marine and Fisheries

JOHN TILTON,
Accountant.

APPENDIX No. 4.

To the Thirteenth 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 ending 30th June, 1880.

	GENERAL ACCOUNT.	\$ cts.	\$ cts
. R. Stone	Expressage	6 70	
Villis & Mott	Advertising	45 00	ļ
· Mitchell	Paid sundry freight charges	99 96	1
· V. Ellis	Rent of Post Office box	1 50	
coe Bros	Atlas of Maritime Provinces	10 00	
I. T. Stephens	Advertising	12 00	
I. King	Boating, carting and labour	151 89	1
McAvity & Sons	Polishing, paste, nails, &c	7 02	
· & A. McMillan	Stationery and printing	59 03	l .
L. McCoskery	Stationery, letter book, journal, &c	98 35	
ominion Telegraph Co	Telegraphing bill	28 05	1
ames Hunter	Repairing locks	0 75	•
owes Campbell & Ellis.	Repairing stove	9 94	1
V. U. Telegraph Co	Telegraphing bill	167 55	ĺ
C. Quigley	Inspector's telegraph bill	24 17	
. Thomas	15 months salary as Assistant Light-Keeper and		
	Telegraph Operator, Point Lepreaux	187 50	
. O'Rilev	Labour discharging coal	7 50	1
O'Brien	Expenses landing coal	150 00	i
Ohn Martin	Trimming coal	21 89	ļ
lugh Davidson	12 months rent of office.	125 00	İ
itzgerald & Co	9,595 gallons of oil and freight.	2,634 36	
. H. Harding	12 months travelling expenses as Agent	174 66	
V. & G. Wett	Stationery for Inspector's Office	5 88	ĺ
Ohn Keenan	Carting oil to Steamer "Newfield"	18 00	1
Jen Rilav	l do hoiler do l	2 00	
hos. Damery	do machinery do	3 20	
Wm. Rlizard	Rent of werehouse and certage	204 71	1
C. W. Robinson	Rent of warehouse and cartage	38 80	
Osen h Miller	Paid nostana fraight cartage fra	24 54	i
den Philas	Paid postage, freight, cartage, &c Postage stamps Damage to fishing uets	30 00	1
Vinelow Chank	Domega to Sching vota	12 00	ĺ
t. John Harbour Master	Whartage, Steamer "Newfield"	12 67	ļ
V. M. Smith	Poilor drawings and appaidentions	20 00	
. Washing	Boiler drawings and specifications Directory		<u> </u>
P & try E Orana	Coal	2 00	į
Oht Drite:	Gas bill	2,009 93	
F Cilliania	Stove fittings.	9 53 32 50	
teorge Dom	Dintings.	33 50	
Amnol Thurban	Printing		l L
R Hamington	Freight on anchor and chain	15 00	İ
harias Diagram	Postage stamps	125 85	i
DD D. Li. L O.	Whitewashing	1 50	
Vm W	Advertising	104 00	1
watt	Horse hire	14 00	ì
hos Daklais	Fleight and cartage	11 52	i
. Johnston	12 months subscription to News room	10 00	}
TO TO	Inspector's postage account	25 46	i
*• U. King	ISubscription to "Neutical Magazine"	4 20	I
V44 Woodlev	IKoata knd oars	97 00	1
'• U. ()')A	l K'rei (tht	1 95	1
TOURISON AS HUTCHINGE	Professional services	85 02	
* H. Kent	Passage of painters to Eastport	2 00	ì

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	Brought forward	\$ cts. 6,979 583	\$ cts
	GENERAL ACCOUNT—Concluded.		
E. Chanteloup	One dozen silber burners	102 25	
Bank of Montreal	One dozen silber burners	75 00	
V & G. Anslow	Printing and advertising	18 00	
V. H. Thorne & Co	Truck for warehouse	6 50	
R Call	Balance, travelling expenses	8 60 l 350 00 l	
do	Coal and coal tar	61 25	
Call & Millar	Freight	0 60	
Small & Hatheway	1 10	5 25	•
. W. Harrington	Room paper	8 94	
A. W. Paterson	Advertising	3 60 18 00	
Wm Lewis	Horse hire	4 00	
A. Brown	Drafting St. John River	7 00	
). W. Smith	Drawing plans of boiler	15 00	
R. Cameron	Silber and argand burners	123 00	
ane Miller	Washing towels	4 00	
H. Harding	12 months salary as Agent		
Receiver-General	Superannuation tax on Agent's salary 32 04	1,600 06	
F. J. Harding	12 months salary as Clerk	1,000 00	
Receiver-General	Superannuation tax on Clerk's salary 12 00	1	
		600 00	
	12 months salary as Inspector of Lights 1,176 00		
Keceiver-Geueral	Superannuation tax on Inspector's salary 24 00	1 800 00	
James Mitchell	15 months travelling expenses as Lispector of	1,200 00	
do	Arrears of salary (June, 1879)	661 63 98 00	•
			11,950 26
	Beaver Harbour Light.		
Bzra Munroe	12 months salary as Light-keeper \$246 88	İ	
neceiver-treneral	Superannuation tax on Keeper's salary . 3 12		
		250.00	
	Stationery	250 00	
J. L. McCoskery	Stationery	4 25	
J. L. McCoskery Prichard & Son W. H. Thorne & Co	Paint and oil		
J. L. McCoskery Prichard & Son W. H. Thorne & Co Samuel Tuft3	Paint and oil Soap and brooms	4 25 21 50 14 68 5 36	
J. L. McCoskery Prichard & Son W. H. Thorne & Co Samuel Tuft3 G. Hevenor	Rope and Iron Paint and oil Soap and brooms Repairing lamps	4 25 21 50 14 68 5 36 2 00	
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime	4 25 21 50 14 68 5 36 2 00 0 65	
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber	4 25 21 50 14 68 5 36 2 00 0 65 39 50	
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment	4 25 21 50 14 68 5 36 2 00 0 65	
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00	
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper \$395 00	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper\$395 00 Superannuation tax on Keeper's salary 5 00 Chimneys, oil, flannel, &c Stationery	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 400 00 90 73 4 25	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper\$395 00 Superannuation tax on Keeper's salary 5 00 Chimneys, oil, flannel, &c Stationery Labour, whitewashing, &c	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 90 73 4 25 20 00 137 54 0 90	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Lubour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper\$395 00 Superannuation tax on Keeper's salary 5 00 Chimneys, oil, flannel, &c Stationery Labour, whitewashing, &c Chain, oil, spikes, rubber, &c Glass Chain and repairs	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 90 73 4 25 20 00 137 54 0 90 30 57	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 90 73 4 25 20 00 137 54 0 90 30 57 84 35	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 400 00 90 73 4 25 20 00 137 54 0 90 30 57 84 35 44 66	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Lubour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper\$395 00 Superannuation tax on Keeper's salary 5 00 Chimneys, oil, flannel, &c Stationery Labour, whitewashing, &c Chain, oil, spikes, rubber, &c Glass Chain and repairs Boating, labour and cartage Repairs to lamps and bell 2,500 lbs. iron bolts	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 90 73 4 25 20 00 137 54 0 90 30 57 84 35	384 4
J. L. McCoskery	Rope and iron Paint and oil Soap and brooms Repairing lamps Lime Lumber Labour, building a butment Iron and labour Allowance for fuel, to 30th June, 1880 Beacon Light. 12 months salary as Light-keeper	4 25 21 50 14 68 5 36 2 00 0 65 39 50 15 00 11 50 20 00 400 00 90 73 4 25 20 00 137 54 0 90 30 57 84 35 44 66 87 50	384 4 12,334 7

	Brought forward	\$ cts.	\$ cts 12,334 70
	Beacon Light-Concluded.		
5. Barbour	Pakum and pitch	17 00 119 90 163 83 20 00 4 10 28 06 11 00 35 77 16 00 7 45 13 50 6 00 2 01	1,405 12
1	Bliss Island Light.		
R. Cameron	2 months salary as Light-keeper	300 00 25 17 4 25 25 93 37 67 36 16 11 98 7 06 6 70 5 00	45 9 92
	Bathurst Light.		
Receiver-GeneralS H. Baldwin	2 months salary as Light-keeper	150 00 8 00 8 25	166 29
į	Cape Enrage Light.		
J. R. Cameron	12 months salary as Light-keeper	7 16 1	464 4
	Cape Jourimain Light.	! }	
W. & G. Watt	12 months salary as Light-keeper	300 00 27 39 5 45	332 8

	D 114	\$ cts.	\$ ct
	Brought forward		15,163 2
	Caraquet Light.	1	
ouis Portiereceiver-General	12 months salary as Light-keeper \$197 52 Superannuation tax on Keeper's salary. 2 48	200 00	
7. & G. Watt	Paint, oil, brushes and soap	70 90	270 9
	Cox's Point Light.		
L. McCoskery	1° months salary as Light-keeper	80 00 4 25 10 52 15 20	
M. Tower	Painting Lighthouse	5 00 72 30	187 2
	Cassie's Point Light.		
has. Leblanceceiver-General	12 months salary as Light-keeper	250 0 0	
. Hevenor	White lead, oil, paint, soap, etc	33 05 1 00 4 30	288 3
	Cape S _i encer Light.		
. C. Blacklockeceiver-General	12 months salary as Light-keeper \$395 00 Superannuation tax on Keeper's salary 5 00	400 00	
L. McCoskery Y. H. Thorne & Co McAvity & Sons Blacklock Wid Daley C. Blacklock W. H. Austin	Chimneys, wicks and oil	112 17 4 25 5 51 60 52 45 35 4 00 2 00 7 00 3 50	
			658
V. & G. Watt	Dalhousie Light, 12 months salary as Light-keeper Cotton, flannel, etc	18 10	
. It Cameron			120
	Escuminac Light.		
	12 months salary as Light-keeper \$395 00 Superannuation tax on Keeper's salary 5 00	400 00	1
ohn Brander	Paint, oil, putty and soap Balance on contract and repairs Advertising Labour	2 80	
			1,169
			17,858

\$ cts 17,858 01	\$ cts.	Brought forward	,
11,000 01		East Head Light,	
e .	200.00	12 months salary as Light-keeper \$296 28 neral 3 72	P. Hamm
	300 00 74 07 4 25 5 60 26 50 14 83 5 00	Arrears of salary, from 31st March to 30th June, '79. kery Stationery Freight Cordwood and carting oil Turpentine and soap Carting oil	L. McCoskery I. Belmore
508 21	77 60	on	R. Cameron
		Fox Island Light (Upper).	
	300 00	ston	Receiver-General
433 1	14 00 5) 00 10 00 45 44 13 70	Oil tank Removing Beacen Selecting and marking site att Paint, oil, chamois skins, etc. Repairs to lamps	Wm. Williston
100 1		Fox Island Light (Lower).	
	204.00		R. Reinsborrow
351 3	20 00 1 10 50 25 00	tt Cotton, flannel and swansdown	James Fish
		Fanjoy's Point Light.	
89 0	80 00 4 80 4 25	7	J. R. Cameron
		Grindstone Island Light.	
	400 00	s	J. R. Styles Receiver-General
450 6	11 49 4 25 12 00 3 00 20 00	con Cotton, flannel and wicks	J. L. McCoskery Mrs. J. Clark
		Gannet Rock Light.	
	420 09	aughlin 6 months salary as Light-keeper \$411 60 seneral Superannuation tax on Keeper's salary 8 40	W. B. McLaughlin Receiver-General
19,690 4	420 09	Carried forward	

	Brought forward	\$ cts. 420 09	\$ cts 19,690 49
İ	Gannet Rock Light-Concluded.		
Keceiver-General. Suj J. R. Cameron Ch J. L. McCoskery Sta Prichard & Son Boo W. B. McLaughlin Boo do Boo Henry Vaughan Ce Harding & Hatheway Lin F. McAvity & Sons Fil G. E. Bustin Pai	months salary as Light-keeper	300 00 65 69 4 25 318 52 279 49 55 00 8 00 2 60 186 93 77 00 20 00	
			1,809 48
	Green Head Light.		
J. N. Williams	months salary as Light-keeper	80 00 4 25	84 25
!	Grant's Beach Light.		
W. & G. Watt Pai J. R. Cameron Re	months salary as Light-keeperflectorpairs to lamps	100 00 28 74 3 75 16 00	148 4 9
	Goose Lake Light		
Receiver-GeneralSu	months salary as Light-keeper	250 00 15 69	265 69
	Grand Harbour Light.		
Adam Young St Samuel Sutton Fr John Woodley Bo Isaac Newton At J. R. Cameron Ch W. B. Guptill Fr H. McLaughlin Ca do Al D. J. O'Dell Ca	lary as Keeper, from 18th Nov., '79, to 30th June, 1880	247 82 23 70 10 06 45 00 46 78 42 99 10 06 3 00 25 00 1 85 110 33 2 50 14 60	583 57
Abner Jones	Hillsborough Wharf Light. months salary as Light-keeper	75 00 4 10	79 10
1			15 1

Mouses, 108	This work, and the work of the work, etc.		
,	Brought forward	\$ cts.	\$ cts. 22,661 07
	Head Harbour Light.		
	Salary as Keeper, from 1st July to 18th November, 1879 \$150 28 Superannuation tax on Keeper's salary 1 90		
	Salary as Keeper, from 18th November, 1879, to 30th June, 1880	152 18	
L. McCoskery T. McAvity & Sons W. H. Thorne & Co Prichard & Son Samuel Tufts Harding & Hatheway D. W. Clark D. J. O'Dell N. McDonald Wm. Lewis	Chimneys, wicks and flannel. Stationery Lead, waste and ensign Paint and oil Rope and Iron. Soap and brushes Lime Repairs to light Repairing lamps, freight, etc Lumber Racket-brace. Boat hire	247 82 44 26 4 25 138 50 33 70 66 73 14 05 1 30 624 00 34 61 48 27 2 75 3 26	1 415 70
	Heron Island Light.		1,415 73
	12 months salary as Light-keeper \$197 52 Superannuation tax on Keeper's salary. 2 48	200 00	
W. & G. Watt	Paint, oil, soap, etc	44 50	244 50
	Hendry Point Light.	1	
L. McCoskerv	12 months salary as Light-keeper	80 00 4 25 3 50	87 75
	Lightship, Miramichi.		
J. H. Phinney	12 months salary as Light-keeper	52 95 22 00 66 20	1,15 6 24
J. R. Cameron	Machias Seal Island Light. 12 months salary as Light-keeper	500 00 54 96 4 25 69 03 168 17	
:	Carried forward	796 41	25,565_29

	Brought forward	\$ cts. 796 41	\$ cts- 25,565 29
	Machias Seal Island Light-Concluded.		
A. J. Meloon	Lumber	89 41 46 00 1 95 26 50 40 87 5 55 15 00	1,021 69
	Mi ljic Bluff Light.		
Receiver-General	12 months salary as Light-keeper \$197 52 Superannuation tax on Keeper's salary 2 43	200 00	
J. L. McCoskery	Chamois skius, wicks, etc. Stationery. Paint and oil	26 67 4 25 17 08 1 50 3 60 39 05 15 60	307 15
	Miscou Light.		
Robt. Rivers	12 months salary as Light-keeper \$493 72 Superannuation tax on Keeper's salary 6 28	500 00	
Robt. Rivers	Chimneys and wicksFreight and labour	45 25 25 81	[645 49
	Musquash Island Light.		
Daniel Smith	12 months salary as Light-keeper	80 00	80 00
	Middle Island Light.	ĺ	
	12 months salary as Light-keeper \$296 28 Superannuation tax on Keeper's salary 3 72	300 00	
W. & G. Watt Chas. Bennett	Cotton, flannel, soap and brooms	27 24 7 00	334 24
	Mark's Point Light.		
J. R. Cameron	12 months salary as Light-keeper	80 00 11 46 4 25 13 07 48 50	157 ²⁸
	McManus Point Light.		101
J. R. Cameron J. L. McCoskery W. H. Thorne & Co	12 menths salary as Light-keeper	80 00 4 20 4 25 10 32 1 80	100 57
	Carried forward		28,211 71
•	50	1	40,

100000, 100	Transition, Coo, in Itom Erans (Viol., Obo.		
	Brought forward	\$ cts.	\$ cts. 28,211 71
	No Man's Friend Light.		
V. R. Cameron	12 months salary as Light-keeper	80 00 21 35 4 25	105 60
	Neguac Light.		
Wm. Morrison Receiver-General	12 months salary as Light-keeper \$143 12 Superannuation tax on Keeper's salary 1 88	150.00	
Joseph Breaux	Oil tank	150 00 14 00 27 17 32 50 7 20	230 87
	Negro Town Point Light.		
Elijah Ross Receiver-General	12 months salary as Light-keeper \$246 90 Superannuation tax on Keeper's salary. 3 10	950.00	
T. B. Barker & SonsG. HevenorJ. R. CameronB. & F. RobertsE. Ross	Arrears of salary from 31st March to 30th June, 1879 Stationery	4 25 0 30 32 61 46 45 3 12	414 76
	Oak Point Light, St. John River.		
T. McCoskery	12 months salary as Light-keeper	4 25 56 10	149 65
	Oak Point Light, Miramichi.		
J. Coughlan	12 months salary asl ight-keeper	100 00 18 76 7 00 2 00	127 76
	Oromocto Shoals Light.		124 46
Mrs. E. Hazen	12 months salary as Light-keeper	80 00 4 25	84 25
	Partridge Island Light.		1
ACTACT=CACHELMI	12 months salary as Light-Reeper \$395 00 Superannuation tax on Keeper's salary. 5 00		
J. R. Cameron J. L. McCoskery F. McAvity & Sons Prichard & Son	Chimneys, wicks and cotton	400 00 59 70 4 25 78 80 29 15	1
	Carried forward 51		29,324 60

	, , , , , , , , , , , , , , , , , , , ,		
	Brought forward Partridge Island Light—Concluded.	\$ cts. 571 90	\$ cts- 29,324 60
S. G. Blizard	Paint and oil	8 61 23 15 70 70 16 00 80 80 8 52 8 08 24 40 6 75	818 91
	Point Lepreaux Light.		
J. R. Cameron J. L. McCoskery T. McAvity & Sons O. E. Harding Prichard & Son W. H. Thorne & Co H. Belmore Geo. Thomas Harding & Hatheway D. W. Clark J. E. Turnbull	12 months salary as Light-keeper	102 85 17 97	1,228 85
	1		
W. & G. Watt	12 months salary as Light-keeper	200 00 41 92 15 00 55 56 744 92 21 50 31 50 25 55	1,135 ⁹⁵
	Pokemouche Light.		
W. & G. Watt	12 months salary as Light-keeper	200 00 22 14 3 90 10 00	236 ⁰⁴
	Pea Point Light.		
J. R. Cameron J. L. McCoskery Harrington & McKenzie	12 months salary as Light-keeper	250 00 21 05 4 25 16 20 8 91	32,744 35
	52	300 41	32,794

Brought forward	\$ cts.	\$ cts 32,744 35
	300 41	32,144 30
Iron winch		
35 days labour	35 00	
Iron work	33 92	397 33
Preston's Beach Light.	1	
12 months salary as Light-keeper.	100 00	,
Repairs	32 75	
Rent of land for year 1879	20 00	182 73
Passamaquoddy Bay Light.		
6 months salary as Light-keeper \$172 82	į	
	175 90	
6 months salary as Light-keeper	175.00	
Cotton and baize	21 03	
'Stationery!		
Repairs to boat	3 50	
Blocks and rope	30 21	
Boating water	8 00	
Soon and henghag	7 36	
Lime		
Iron holts	22 02	
Lumber, repairs and oil		•
Boating water and repairs.	21 50	
't)il, brooms and lamps	12 89 22 00	
		1,162 7
1		
Salary as Keeper, from 24th May, '79, to 30th June, 1880		-
Superannuation tax on Keeper's salary 2 04	165 58	
Oil tanks	28 00	£
Deed of land	50 00	
		268 7
12 months salary as Light-keeper \$395 00 Superannuation tax on Keeper's salary. 5 00		
	10 50	i
Paint and oil		
Board bill and travelling expenses	26 50	-
Allowance for fuel, to 30th June, 1880	48 90	501 5
Carried forward		
	Preston's Beach Light. 12 months salary as Light-keeper	Brought forward 300 41 Pea Point Light—Concluded Iron winch

	Brought forward	\$ cts.	\$ cts- 35,257 43
	Robertson's Point Light.		
J. R. Cameron J. L. McCoskery W. H. Thorne & Co G. Hevenor.	12 months salary as Light-keeper	80 00 3 90 4 25 13 08 3 50 8 00	112 73
	Richibucto Light.		
	12 months salary as Light-keeper \$182 68 Superannuation tax on Keeper's salary 2 32	185 00	
W. & G. Watt Fabien Richard	Paint, oil, brushes, pails and soap Ladders and lumber	42 28	237 58
	Richibucto Beacon.	 	
Receiver-General	12 months salary as Light-keeper \$197 52 Superannuation tax on Keeper's salary 2 48	200 00	
J. H. Phinney	Arrears of salary to 30th June, 1879 Oil tanks and oil stove	16 46 56 19 6 53	279 18
	Restigouche Beacons		
Geo. Cumming	6 months salary as Light-keeper	50 00 134 00	184 00
	Railway Wharf Light.		
J. R. Cameron	3 months salary as Light-keeper	. 13 50 1	58 77
	South Tracadie Light.		
Receiver-General	12 months salary as Light-keeper	150 00	er e
S. Benoit	Oil tank	. 8 50	179 23
	Swallow Tail Light.		
J. W. Kent Receiver-General	12 months salary as Light-keeper		
J. L. McCoskery	Burners, wicks and cotton Stationery Rope, cement and paint Paint, oil and powder Brushes and brooms Water kegs Lime Lumber	4 25 296 21 57 07 27 28 12 00 3 25	
	Carrien forward	906 88	36,308 92
	U A		

	Draught forward	\$ cts 906 88	\$ cts 36,308 92
	Brought forward	300 80	30,300 84
,	Swallow Tail Light—Concluded.		
McCafferty	Marine glass	16 80 17 50 4 00 76 30	1,021 48
	Saint Andrew's Light.	1	2,002 20
J. R. Cameron	12 months salary as Light-keeper. \$296 28 Superannuation tax on Keeper's salary. 3 72 Chimneys, wicks, burners and cotton. Stationery	300 00 18 73 4 25 31 50 47 98 0 65 21 50	424 61
	Spruce Point Light.		
J. L. McCoskery	12 months salary as Light-keeper	80 00 11 45 4 25 13 20 6 71 7 91 17 50 30 00 14 38	185 40
	Sand Point Light.		
J. R. Cameron	12 months salary as Light-keeper. Chimneys and wicks	80 00 10 39 4 25 8 20	102 75
]	Shediac Light.		
W. & C. Wett	12 months salary as Light-keeper	250 00 15 69 5 15	270 84
	Southern Wolf Light	r.	
J. R. Cameron J. L. McCoskery W. H. Thorne & Co Jihas. Lambert M. McAvity & Sons Prichard & Son J. N. Harkins	12 months salary as Light-keeper	24 68 13 75 116 74 45 50 5 00	
	Carried torward		38,314 00

	Brought forward	\$ cts. 761 86	\$ cts. 38,314 00
	Southern Woolf Light-Concluded.		
Harding & Hatheway C. E. Harding	New lamps and repairs	25 00 0 65 10 . 20 00 13 f 12 60 5 00 87 50 64 73 10 00	1,012 71
	Shippegan Light.		
J. H. Phinney F. H. Dumaresq. W. & G. Watt F. W. Alexander John Maltby Romain Savoy J. R. Cameron	12 months salary as Light-keeper. \$237 00 Superannuation tax on Kerper's salary. 3 00 Oil tank. \$300 Wood, labour on oil, etc. \$300 Painting Lighthouse and repairs. \$400 Certing. \$400 Certing. \$400 Cohmneys and wicks. \$400 On account repairs.	7 00 7 50	591 61
	Sheldrake Island Light.		
Duncan Morrison Receiver-General W. & G. Watt Alex. McKay John Maltby John McKay	7 months salary as Light-keeper	9 50 12 00	68 9 3
	South-West Head Light.		•
John Woodley T. McAvity & Sons R. P. & W. F. Starr Adam Young G. Hevenor Samuel Havey J. R. Cameron W. B. Guptil W. B. McLaughlin J. W. Harrington	6 months salary as Light-keeper	128 90 90 00 10 59 24 60 50 00 26 60 30 00 50 00 19 50	727 10
•	Carried forward		41,334,35
	56		•

	Brought forward.	\$ cts.	\$ cts. 41,334 35
	Tracadie Light.	1	•
Wm. 'Archer Receiver-General	12 months salary as Light-keeper \$237 00 Superannuation tax on Keeper's salary 3 00		
W. & G. Watt Wm. Archer	Cotton, flannel, brooms and oil	240 00 39 85 54 59 22 07 10 00	366 43
	Tabusintae Light.		
Thos. Savoy Receiver-General	12 months salary as Light-keeper		•
W. & G. Watt	Cotton, flannel, soap, etc	200 00 25 17 16 00 3 00	244 17
	Wilmot's Bluff Light.		244 14
" L. McCloskarv	12 months salary as Light-keeper	80 00 4 25 4 00	
	Cape Enragé Fog Alarm.		88 25
General	12 months salary as Engineer	400 00	
A. Slaisdell	Steam gauge, governor and pipe	206 84 8 00 60 86 9 00	·
	Escuminae Fog Alarm.		763 45
Thes. Philips Receiver-General	12 months salary as Engineer \$395 00 Superannuation tax on Engineer's salary 5 00		
J. R. Goggin	Files and bolts	400 00 5 30 2 00 35 00	
	Grindstone Island Alarm.		443 39
J. R. Styles Receiver-General	12 months salary as Engineer \$296 28 Superannuation tax on Engineer's salary 3 72	800 00	
W.B. Barker & Sons	Arrears of salary, from 1st April to 30th June, 1878 Stationery Paint, iron, brushes, valves, chain, etc Olive oil Freight on coal	74 07 4 25 72 24 14 75 33 15	
J. R. Styles	Building coal shed	49 99	72
•	Carried forward		43,963 14

	Brought forware	\$ cts.	\$ cts- 34,953 14
	Grand Manan Fog Alarm.		02,000
.	1		
Receiver-General	12 months salary as Engineer		
	Chimneys and wicks	709 00 6 94	
J. L. McCoskery	StationeryOil, rubber, ensign, cecks, etc	4 25	
James Tatton	Porpose oil and building coal sheds	351 49 174 00	
W. H. Thorne & Co	Paint and oil	19 96 1	
Harding & Hatheway	Lime	1 95	
John Powers	Lumber	1 12 80 1 1 11 00	
E. Gaskill	RepairsFreight on glass	3 92	
Thos. Redmond	Whitewash brush Paint and oil	2 40 13 04	
	•	!	1,431 75
•	Head Harbour Fog Alarm.		
	_ 4		
Samuel Craig	Salary as Engineer, from 18th Nov., 1879, to 30th June, 1880.	l 185 87	
J. R. Cameron	Chimneys and wicks	4 50	
Harding & Hatheway	8 casks lime Freight	8 80 182 00	
D. W. Clark	Labour bills, material, paint, oil, etc	3,384 74	
C. E. Harding	Forge, tools and fittings, valves, etc	18 50	
	Stove pipe		
R. P. & W. F. Starr	Coal	113 50	4,896 51
	La Tete Fog Alarm.		4,890
Samuel Craig	Salary as Engineer, from 1st July to 18th		
Receiver-General	Nov., 1879	1	i i
Samuel Craic	Arrears of salary, from 1st April to 30th June, '79	152 18 98 75) }
Neil Seelye	Salary as Engineer, from 18th Nov., '79,		
Receiver-General	to 30th June, 1880		\$. 1
J. L. McCoskerv	Stationery	247 82	
T. McAvity & Sons	Oil, drills, braces, valves, tubes, etc	. 593 93	
Henry Vaughan	Cement and freight	31 96	!
Chas. King	Freight	5 40	
S. G. Blizard	Lumber	. 21.53	
David Kelly	Services to 31st July	45 00	
David Main	Advertising for tenders	2 60	
Samuel Craig	do do	2 60 15 00	
Sun Publishing Co	(Carting, boating and labour	73 75	
W. H. Austin.	.iHorse bire	1 4 50	,
Samuel Uraig	Extra services. Advertising	. 1 15 00	
		1 30	1,383 4
	Carried forward	<u>, </u>	51,674 8
	58	r	

100000, 100	17 21100000, COOK 122 210 17 22 212 17 202, 000		
	Brought forward	\$ cts.	\$ ets. 51,674 82
			,-;-
	Miscou Fog Alarm.	1	
Robert Rivers Receiver-General	12 months salary as Engineer \$296 28 Superannuation tax on Engineer's salary 3 72	202 202	
Robert Rivers	Cordwood and cartage.	300 00 51 69	351 69-
	Machiae Seal Islan's Alarm.		
David Webster	12 months salary as Engineer	50 0 00	
T. McAvity & Song	Stationery	4 25 298 86	
W. Meloon	Boating.	31 00	
Baac Wilder	IIron, lumber, labour, etc	72 73	
A. J. Meloon	Beating Chimneys and wicks	64 00	
J. Kally	On account of travelling avnanges	6 50 25 00	
D. McLachlan	On account of travelling expenses	110 60	
2. L. Sutton	Freight on machinery	4 00	
Estey, Alwood & Co	Canvas	23 10	
			1,140 04
t	Partridge Island Fog Alarm.	,	
Receiver-General	12 months salary as Engineer \$395 00 Superannuation tax on Engineer's salary 5 00		
-cerver-General	Bubelannuacion ear on mulgineer against 200	400 00	
J. R. Cameron	Cotton and flannel	17 15	
J. L. McCoskery	StationerySteam whistle, bolts, shovels, etc	4 25	
T. McAvity & Sons	Steam whistle, bolts, shovels, etc	222 11	
H. King	Paint and oil	8 21 357 45	
Thos. Gale	Carting coal, boating, labour, etc	19 00	
J. Harris & Co	Iron fittings and castings	29 74	
MOX & FIRED	Shovels and daskets	9 90	
Geo. Smith	Repairs	1 73 50	
James Wilson	Duck and tacks	9 00	
D. W. Smith	Boarding EngineersRepairs.	4 00	
S. G. Blizard	Lumber and spikes	77 37	
McMann	Towing	11 00	
g. Holly	Seow-hire	9 38	i i
Geo. Hutchinger	Repairs to boat	12 00	
J. B. Smith	Repairs to clock	20 00	
H. Duffell	.39 tons coal	116 39	
W. Dorman	Labour on coal	8 90	
astey, Alwood & Co	Boiler felt	35 11	1,454 81'
	Point Lepreaux Fog Alarm.		1,101 01
Wm Carrier		1	
Receiver-General	.12 months salary as Engineer	i	
		450 00	j
J. L. Wallackson	Flannel and cotton	18 00 4 25	
MCA vity & Song	Stationery. Oil, paint, whistle, fittings, tubes, etc	1 586 29	
. H. Thorne & Co	Paint and oil	1 10 36	
-4. Deimore	i H'reight	1 10 60	(
wm. Clark	(Carting coal	1 118 65	!
Manner Kelly	Renairing coal shed	1 30 09	
Wm. Thompson	Lime Rent of land	1 8 70 1 6 00	(
warpounder	1 200 02 200 0000 00000 00000 0000 0000		ļ
*	Carried forward	1,247 25	54,621 36
	59		

		=	
	Brought forward	\$ cts. 1,247 25	\$ cts. 54,621 36
·	Point Lepreaux Fog Alarm-Concluded.	:	
W. H. Austin	Labour	16 00 22 67 24 00 6 85 24 00 3 00 9 00	
			1,352 77
ŕ	RESTIGOUCHE LIGHTS.		
·	Montgomery's Island Light.		•
Malcolm McNeil	3 months salary as Light-keeper	25 00 13 50 20 27	₅₈ 77
	Moffat's Wharf Light.	Ì	
D. O'Keefe J. R. Cameron W. & G. Watt	3 months salary as Light-keeper	25 00 16 75 20 27	62 03
	Oak Point Light (Upper).		•
J. R. Cameron W. & G. Watt	Chimneys and wicks	13 50 20 27	33 7 7
	Oak Point Light (Lower).		
*W. & G. Watt	Cotton, chamois skins, etc		20 27
	Public Wharf Light.		
J. R. Cameron	3 months salary as Light-keeper	25 00 13 50 20 27	59-77
	Less refunds—Amount paid T. Mc- Avity & Sons		
	Sold 86 oil bris. to Mr. Bullock 43 00		56,207 73
	Amount paid F. W. Alexander 35 43	*******	240 10
	BUOYS AND BEACONS.		55,967 .63
	GENERAL ACCOUNT.		
A. Blaisdell	Wharfage on buoys	15 00 70 66 36 00 2 00	00
	Bathurst.		123 00
	1	j	
P. J. Hachey	Repairs and lifting buoys		65 32
	Carried forward60		56,155 95

	Brought forward	\$ cts.	\$ ets 56,155 95
	BUOYS AND BEACONS—Continued.		•
	Buctouche.		
ohn Keswick	Repairing, lifting and placing buoys		219 00
14			
	Bell Buoy.		
Sun Publishing Co	Advertising	8 00 552 34	
I. King	Labour and repairs to buoy	150 00	
as. O'Brien	Advertising	1 56 6 95	
		10 01	
sarbour	Painting can buoy	8 00	794 36
	Campbellton.		194 30
	i .		
William Mott	ChainFreight and painting buoys	13 83 1 42 08 1	
aniel O'Keeffe	Placing and lifting buoys	90 00	
			145 91
	Caraquet.		
. B. Paulin	On account expenses buoys	104 08	
Cavier Paulin	On account contract placing buoys	50 00	184 00
	•		154 08
	Cocagne.		
ohn Brooks	Placing and lifting buoys	86 62	
menard & Son	Chain	4 28	90 90
	Campo Bello.	ļ	
.	•		
086	Placing buoys		30 00
	Dalhousie.		
₩i 1'	Allowance to 30th June	25 00	
	Chain and storage	134 47	
	_		159 4
	Dorchester.		
OB]	Removing and replacing buoys	23 23	
>, A	iPicking up buoys	5 00	
SIET. LIGIA	Replacing buoys	8 00 35 00	
· MCAVITY & NONG	III hain	25 16	
· m. Eider	Advertising	2 25	98 64
	Deer Island,		e *
homas Barker	Durang mlasin u and mainst	,	
homas Parker	Buoys, placing and painting	44 **** *****	88 00
	Comind for more		. 57 000 01
	Carried forward	*******	. 57,936 31

100000, 100			
	Brought forward	\$ ets.	\$ cts. 57,936 31
	BUOYS AND BEACONS—Continued.	i 	
	Grand Lake.		
Robert McMann F. J. Purdy	Making, lifting and placing buoys Placing and lifting buoys	52 50 39 60	92 10
	Grindstone Island.		
Wm. Wood	Placing buoys		50 00
	Hopewell.		
Prichard & Son	Chain		46 97
	Harvey.		
Wm. Wood Jeseph McAlmon	Lifting buoys	20 00 40 00	60 00
	Head Harbour.		
Wm. Lewis	Ironing buoys	10.00.	26 35
	Little Shemoque.		
John Avard	Lifting and placing buoys	*****	46 00
	Miramichi.		
James Neilson	Placing and lifting buoys		428 00
	Musquash. '		
S. Hayward	Placing buoys		4 00
	Neguac.		
Joseph Breaux	New buoys and lifting		40 00
	Pokemouche.		
James Herbert	Amount contract placing buoys	6 00	114:00
	Petit Rocher.	,	114 00
Wm. Lewis O. Turgeon Hilarion Roy	Buoys and chain	40 86 20 62 10 75	72 23
	Carried forward	ļ	58,915 96

\$ ct 58,915 96	\$ cts.	Brought forward	
00,020 0		BUOYS AND BEACONS—Continued.	
		Proprietor Ledge.	
748 9	37 80 2 70 34 15 24 54 7 05 143 50 482 00 17 16	an Bros	W. H. Brown W. H. Brown Dr. B. Barker & Sons C. B. Barker & Sons C. Dixion
		Reed's Point Lamps.	
266 4		bt Brittain	Robt Brittain
		Richibucto.	
359 8	328 95 30 85	McAvity & Sons Wharfage, chain, stones and painting	Jas. A. Jardine r. McAvity & Sons
		Shippegan.	
48 0	5 00 43 04	bt. Young Labour, shipping chain	Robt. Young E. Maher
25 0		Shemoque.	
46 0		hn Avard Lifting and placing buoys	John Avard
		Shediac.	
234 8	1 82 80 1	S. Bell & Co	Wm. Lewis
	j i	Saint Andrews.	
28 6		hn Balson Painting and replacing buoys	John Balson
		Saint George.	
291 9	18 92 171 07 90 00 12 00	& J. McLean	A. & J. McLean James Dick Samuel Dick Hugh Belmore
		Saint Stephen.	
70 9	27 0 0 43 95	C. Young	J. C. Young Chas. Young
	,		
61,011	l	Carried forward 63	

	Brought forward BUOYS AND BEACONS—Concluded.	\$ cts.	\$ cts. 61,011 53
	Tracadie.		
Vital Arceno	New buoys, placing and lifting		140 69
	Stationery and printing	***************************************	61,152 22 100 60
			\$61,252 82

WM. SMITH,

Deputy Minister of Marine and Fisheries- \(\)

JOHN TILTON,
Accountant.

APPENDIX No. 5.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Maintenance of Lighthouses, Steam Fog Whistles, &c., in Nova Scotia, for the Fiscal Year ended 20th June, 1880.

	LIGHT-HOUSE AND COAST SERVICE.	\$ cts.	\$ cts.
	GENERAL ACCOUNT.		
F. W. Fishwick	Freight on supplies	57 42	
W. S. Symonds & Co	Boiler plate, etc	20 26	
Starr Manufacturing Co.	Repairing and replating reflectors	69 00 1	
	Packing boxes.	31 50	
D. M. Browne	Expenses, landing supplies	69 50	
H. W. Johnston	Expenses, landing supplies	127 15	
do	112 months salary as Agent \$1.665 96		
Receiver-General	12 months superannuation tax 34 00	1 600 00	
J. Overv	Cartage on supplies	1,699 96 17 94	
J. P. Mott & Co.	Lime	107 25	
T. W. Bateman	Repairing lock	1 25	
Brookfield Bros	Cement	22 99	
E. Chanteloup	Silber-wicking.	15 25	
Steamer "Carrol"	Silber-wicking. Freight on chimneys Medicine chests	27 41	
R. A. Nesbit	Medicine chests	24 00	
Fred. Lukin	Powder, tubes, etc	3 9 57	
White & Simmonds	Powder, tubes, etc	313 52	
Baldwin & Co	Chimneys	6 30	
Jacob Bowser	Fitting office at store	14 85	
M. & M. Smith	Half barrels	2 10	
W F F	Oars	44 28	
J Poogh	Sponges	7 31	
Griffin & Morris	Freight on supplies	2 95 51 46	
Edward Walsh	Painting door sign	2 25	
Macdonald & Co	Repairing burners, tube brushes, hose, etc	206 95	
W. McFabridge	Oil tanks and tinware	725 20	
R. P. Bliss	Iron water tanks	283 36	
James Hunter	Lamp	6 50	•
Murray & Co	Matting	13 70	
d. Haverstock	Packing boxes	60 00	
Hogan & Sons	Lumber	87 81	
G. E. Morton	12 months postage stamps, etc	206 35	
J. Dempster	Buckets and brooms	61 90	
• • • • • • • • • • • • • • • • • • • •	June, 1880	25 00	
Acadia Fire Insurance Co	Premium insurance	150 00	
Wm. Murray	Wheelbarrows	9 00	
R. Benoit	Repairs at Jerseyman's Island	15 00	
Mackinlay	Stationery	165 01	1
H. Cogswell	Spy glass and repairs	11 00	
Mackintock & Malanan	12 months hoisting time ball, to 1st April, 1880	100 00	1
J. K Bent	Casks and kegsOil and spirits of wine	110 60	1
Conlon Rrog	Horse and waggonhire	89 44 13 50	
J. R. M Taylor	Plate glass	99 10	!
Lineakston & Angevin	. Paint and rone	47 66	1
Irish & Smith	Hardware, oil, paint, brooms, etc	1,226 75	1
Auam McKav	. Packing	59-50	}
Black Bros. & Co	Paints and oil	1,606 35	j-
U. F. Mott & Ce	Lime, soap, tallow, etc	416 08	1
4. & E. Kenny	Flannel, cotton, towelling, etc	340 57	
	Carried forward	9,191 80	
	65	-,	
	•••		

	Brought forward	\$ ets. 9,191 80	\$ cis-
Lı	IGHT-HOUSE AND COAST SERVICE-Conc.		
	GENERAL ACCOUNT—Concluded.		
Union Glass Co Ch	imneys and burners	463 04	
Hon. S. L. Shannon 12	months rent of wharf and stores	1,500 00 8,493 38	
L. R. Kave Re	ceiving, storing and delivering oil	242 03	
Chas. NealLa	bour, truckages and freights	1,041 13	
as. Majer La	bour at wharf and stores	296 00	
. I'mulay Bui	pairing boat	247 00 6 09	
Vm. Grant Iro	n boat knees	4 04	
I. Tryder Box	at	23 00	
V. P. Crowe do	0	20 00	
V. M. SmithDr	awings, specifications and tracings of boilers	40 00	
V Phalan	bour, landing coals at Fog Whistle Stations	204 26 58 48	
Halifax Co. (Limited) 609	tons coal, at \$1.80	1,696 20	
L. A. Guildford La	bour, landing coals at Fog Whistle Stations	130 00	
Forhan & CoCo	vertising.	494 20	
Cape Breton Advocate Ad	vertising.	2 43	
	do	172 35 32 19	
	lephones and rent	82 00	
Chignecto Post Ad	vertising	2 60	
hty Treasurer Wa	ater rates	50 00	
Herald Printing Co	ater rateslvertisinginting receipts, circulars, etc	228 33	
do Pri	bscriptions to Herald and Mail	237 25 15 00	
Alliance Journal Ad	lvertising	2 08	
3. AnnandSul	bscription to Chronicle and Citizen	11 00	
armouth Herald	vertising.	2 25	
Acadian Recorder	months subscription	5 00	
Preighton & Marshall	tter-books and blank stationery	5 08 34 78	
Keporter and Times Ad	lvertising	12 60	
St. John Sun	do	4 00	
Church Guardian	do	3 00	
J. D. McDougall Ste	encil brushes	2 00	
McAlpine Cit	ty Directory, 1879-80	2 40 2 00	
Henry Dolby	ty Directory, 1879-80	2 00 [
Receiver-General	do superannuation tax 14 00		
W		700 04	
W. J. Ouldfield	do salary as Messengereaning offices	159 96 96 00	
Rowes & Son Bir	nding book	1 50	
R. Baxter Bli	nd rollers, shelves and book cases in offices	45 00	
British American Bank	, i	ì	
Note Co Ch	neque books	77 50	
A. Nesbit	ap months subserentian to Toronto Mail	3 00 6 00	
V. J. Glendenning Ice	months subscription to Toronto Mail	4 00	
C. G. Matheson Wo	eather strips	5 66	
I. S. King & Co 12	months subscription to Nautical Magazine	4 36	
J. Ouldfield Wa	ashing office towels	7 50	
rordon & Keith Re	pairing office furniture months subscription to reading room	14 75 6 00	
r. P. Connolly Co	pying lithogram	9 00 1	
A. D. Rae Ma	ap of the Maritime Provinces	10 00	
			25,599 22
	İ	İ	
i	Carried forward		25,599 22

	Brought forward	\$ cts.	\$ cts. 25,599 22
	FOG WHISTLES-Continued.	ĺ	•
	Brier Island.		
Alden Cann	Crimming coal	20 45 37 50 8 56 70 00 91 90 6 00	
	Cape Sable.		804 2 8
Theakstor & Angevin	Packing, tubing, bolts, etc., repairing pump, etc Bellows Wood and freight of supplies		95 97
	Cape D'Or.		
Leander Morris do John Stairs W. H. Townsend do J. Morris Henry Morris do John Morris, jun Jrish & Smith Macdonald & Co W. S. Symonds & Co do D. M. Dickie & Sons G. K. Morris N. B. Morris do Brockfield Bros A. II, Rand	Freight on supplies	16 00 54 40 65 73 26 00 12 76 21 00 19 00 12 50 10 00 1 25 14 48 245 23 92 95 4 00 20 00 28 00 1 25 9 00 34 28 16 00	
J. P. Rand	•	300 00	1,535 17
James McDonald lrish & Smith. Joseph Long Macdonald & Co W. McFabridge Brookfield Bros J. E. Morris	Cranberry Island Fog Alarm. Smoke stack	808 03 144 00 39 08 5 00 7 50 1 1 25 4 05	
		1,109 33	28,034 64

Discum 105	, whisties, &c., in Nova Scotia, etc.—	Commueu	
,	Bronght forward	\$ cts. 1,199 33	\$ cts. 28,034 64
	FOG WHISTLES—Continued.		
	Canberry Fog Alarm-Concluded.		
do)	Boarding boiler-makers	177 25 18 45	
	do superandation tax	450 00	
	Cross Island Fog Horn.		1,845 03
do Wm. Smith do White & Simmonds	Iron tank, 2,540 lbs., at 8c	203 20 143 70 38 92 235 15 12 00 18 45	
R. H. Cogswell	to 30th June, 1880, 421 days	421 00 4 25 14 00 59 89 150 00 27 00	1,327 ⁵⁶
	Digby Fog Alarm.		1,021
Macdonald & Co	Hauling coalPeed pipeGlass	110 40 18 97 3 60	₁₃₂ 97
	St. Paul's Fog Alarm.		
do¹(Steam winch and pump	376 25 600 00	
recorver-denerals		500 00	1,476 25
Wm. Robertson	Seal Island Fog Alarm. Coals	36 00 109 72 40 00 112 50 66 00 13 04	
denois, or denoise,	Sambro' Fog Alarm.	416 66	793 93
J. C. McDonald M. Phelan S. Cunard & Co. A. Gilkie A. Houseman Irish & Smith Macdonald & Co. Macdonald & Co.	52 days wages as Engineer, at \$1.50	78 00 366 00 26 52 234 00 382 50 471 00 9 14 118 11 32 00	·
İ	Caraied forward	1,717 27	33,610 37

> Dioum 10	g whistles, &c., in Nova Scotia, etc.—	Communed:	
	Brought forward	\$ cts.	\$ cts 36,610 37
	FOG WHISTLES- Concluded.		
	Sambro' Fog Alarm—Concluded.		
J. Bowser Thos. Ead Theakston & Angevin Dr. A. Moren J. Hogan & Sons A. Gilkie	Edson's recording gauge	10 25 60 90 55 59 16 59 140 00 29 11 100 00 0 24	2,129 95
	Yarmouth Fog Alarm.		,
Jacob Harris	Repairing and materials for boiler and machinery	45 00 945 00	1,517 43
	Lighthouses.		
	SCPERINTENDENT.		
_ do	Travelling expenses	9 00	
D. M. Browne	Superannuation tax 12 00 On account of travelling expenses	600 00 100 00	
Receiver-General	1880 \$784 00 Superannuation tax 16 00	800 00	1,509 00
	Amet Island.		1,000 00
Wm. Mitchell W. & A. Campbell H. G. Bennett	Cement	243 00 1,292 14 100 00 122 00	
	Salary as Keeper, 1st April, 1880, to 30th	250 00	
Receiver-General	June. 1880 @221 88	225 00	0.000.14
	Annapolis.		2,232 14
. do	Freight and hauling supplies	20 85	
Receiver-General	do superannuation tax 5 00	800 00	820 85
	Carried forward		41,819 74

	Brought forward	\$ cts.	\$ cts
		******	41,819 74
	LIGHTHOUSES—Continued.	1	
	Apple River.		
James Tate Receiver-General	12 months salary as Keeper do superannuation tax	375 28 4 72	380 00
	Arich tt.	j	
White & Simmonds	Window-sashes	13 36 18 00	
•		250 00	281 36
	Argyle.	į	
Macdonald & Co H. Hamiltondodo	Repairs to Lighthouse	472 92 25 00 5 85 59 20	
Receiver-General	do superannuation tax 4 36	350 00	
	Barrington.		912 97
James S. Smith Receiver-General	12 months salary as Keeper	375 28 4 72	380 00
	Beaver Island.		000 0
40	Repairing burners	1 25 20 00	
Receiver-General	do superannuation tax 5 00	400 00	
	Bird Island.		421 25
do E. Chanteloup D. McAuley John McLean Thompson & Graham	Box for clock work Repairs to landing and slip. New lantern and lighting apparatus. Building oil store Purchase money for land Searching title, deed of land 12 months salary as Keeper. do superannuation tax. 5 00	7 75 139 60 1,714 81 82 02 260 00 27 48	
	Black Rock.	400 00	2,631 66
James Robinson do Receiver-General	Building oil store as per contract	50 00	·
	Black Rock Point	360 CO	410 00
A. F. Morrison D. Morrison	Painting	12 00 75 60	410 00
Receiver-General	do superaunuation tax 4 36	350 00	437 00
	Carried forward	••••••	47,673 9

	Dronght formand	\$ cts.	\$ cts.
	Brought forward.	******	4 ,673 98
	LIGHTHOUSES—Continued.	1	
	Boar's Head.		
H. M. Rugglesdo	Repairs to wall, lumber, etc	47 76	
		400 00	447 70
	Brier Island.		447 76
J. Suthern	Cartage on supplies	6 00	
Mecerver-General	do superannuation tax 5 72	469 00	
	Burnt Coat.		466 00-
William Fanlkner	12 months salary as Keeper	246 88	
Receiver-General		3 12	250 00
	Port Ports		250 00
	Bon Portage.	ļ	
Macdonald & Co	Lamps and repairing lamps	52 00 18 99	
A. M. Wrayton	Balance on road	175 90	
do	Lumber, etc., for oil store, etc	71 25	
Receiver-General	12 months salary as Keeper	j	
		350 00	
	Betty's Island.		667 24
Irish & Smith	Zinc, nails and paint	21 40	
Jacob Bowser	Carpenters and plasterers repairs, boarding men,	1	
J. Harren & Sons	Lumber, shingles and lime	252 40 88 39	
Macdonald & Co	Repairing lamps	6 50	
P. Christian, sen	Repairing lamps	4 00	
Receiver-General.	do superannuation tax	į	
	do suprimination vax,	500 00	
	Brooklyn Pier.		872 69
Iniah & Cartah	ļ	02 02	
J. W. Marshali	Wire-rope	23 63 1 85 25 1	
J. Gardner	. 12 months salary as Keeper	183 00	401 00
			29 1 88
_	Canso Harbour.	1	
Macdonald & Co	Repairing lamps	2 70	
Receiver-General	12 months salary as Keeper		
	Cape Canso.	200 00	202 70
Alam D. A.	•		202 10
Jus. Hanlon	Freight on supplies	1 50 25 00	
		500 00	526 50
			320 30
	Carried forward	l .	51,398 75

	Brought forward	\$ cts.	\$ cst. 51,398 75
	•		01,000
	LIGHTHOUSES—Continued.		
	Cape North.	İ	
McKinnon 12 Receiver-General	2 months salary as Keeperdo superannuation tax	395 90 5 60	400 00
	Cape George.		
Norman Murray Bo Norman Murray 12 Receiver-General	uilding store	32 35	
		200 00	232 35
	Church Point.	!	
J. H. Saulneir 12 Receiver-General	do superannuation tax	197 52 2 48	200 00
1.	Cape Sable.		
do 1	depairing lamps	7 25 3 00	
Receiver-General	do superannuation tax 6 00	800 00	
İ	Cape St. George.		810 25
do T J. Hogan & Sons S Irish & Smith L J. R. Graham Z D. Condon F do F	tepairs to Lighthouse, etc	102 55 21 36 1 20	
Receiver-General	do superannuation tax 6 00	480 00	- 400 E
	Cape St. Mary's.		1,463 56
M. Robichau Sa. Robichau1 Receiver-General	3 3 3 3 3 3 3 3 3 3	110 00	
Accepted deficially with		500 00	610 0
	Carter's Island.		910 0
	Freight on supplies	2 80	
Mocerter- General.,	do superannuation tax	250 00	
	Carribou Island.		252 8
do	Flag staff, painting, etc	19 40	
Receiver-General	do superannuation tax 5 00	400 00	419]4
į.		ļ	55,787 1

	Brought forward	\$ cts.	57,787 11
			31,101 11
	LIGETHOUSES—Continued.		
n -	Chester.		
Edward Youngdo Receiver-General	Hauling oil	2 00 400 00	
		400 00	402 00
	Cheticamp.		
C. Robin & Co B. Briard Receiver-General	Supplies and repairs to Lighthouse	22 80	
		350 00	372 80
	Creighton's Head.		0,200
W. S. Symonds & Co	Clock weight	8 82	
lacdonald & Co	Oil can	0 50 320 00	
ewis Forrest	Ocntract-protection work	22 50	
u a. Urienton	Freight and truckage	6 70	
Beceiver-General	12 months salary as Keeper		
		200 00	***
	Chebucto Head.		558 52
rish & Smith	Hardware and paint	3 55	
Hogan	Lumber	9 05	
acdonald & Co	Lumber	16 75	
ward Johnson	Labour at oil and painting	27 50 3 60	
do	12 months salary as Kaspar \$205.00	3 40	
Receiver-General	do superannuation tax 5 06	400 00	
		100 00	459 85
_	Country Harbour.		
acdonald & Co	Hinges	3 10	
Receiver-General	12 months salary as Keeper \$395 00 do superannuation tax 5 00		
		400 00	
	Cross Island.		403 10
Thite & Simmonda		0.05	
400. K. Smith	Stovepipe	2 05	
Receiver-General	do superannuation tax 5 72		
	1	460 00	462 05
	Cape LeRonde.		102 00
has. Latimore	12 months salary as Keeper	296 28	
eceiver-General	do superannuation tax	3 72	
	Î		300 90
	Devil's Island		
W. Allan	Lumber and shingles	16 77	
		6 00	
	Repairing silver burners	2 35 4 00	
do	Wood and coal	10 90	
	Connied forward	40.00	E0 745 40
	Carried forward	40 02	58,745 43

·	Brought forward	\$ cts. 40 02	\$ cts. 58,745. 43
	LIGHTHOUSES—Continued.		
	Devil's Island—Continued.		
Ben, Fulker Receiver-General	12 months salary as Keeper \$493 76 do superannuation tax 6 24	500 00	00
	Egg Island.]	540 02
R. H. Cogswell Irish & Smith Mackintosh & McInnes	Timber for lauding Freight on supplies Marine clock Manilla rope Lumber	35 44 2 50 4 00 12 81 2 63	
Wm. Condon, jundo	Repairing cog-wheel Building slip Travelling expenses. 12 months salary as Keeper\$493 76	2 70 25 00 3 00	
Receiver-General	do superannuation tax 6 24	500 00	588 11
	Fish Island.		580 11
Joseph White Receiver-General,	12 months salary as Keeper do superannuation tax	276 52 3 48	280 00
	Flint Islan 1.	1	
White & Simmonds Benj T. Henry do do	Paint, oil and rope Grate linings Repairs to dwelling and landing Painting Salary as Keeper, from 1st July, 1879, to 1st April, 1880	13 38 5 60 184 10 20 00	
Lawrence Laffin	Superannuation tax	375 00 2 93	
Receiver-General	June 1880	42 86	643 27
	Fort Point.		025
White & Simmonds S. T. N. Sellon Receiver-General	Stove and pipe	14 20	
,	-	240 00	254 20
	Grand Narrows,		
G. Davidson & Co Stephen McNeil Receiver-General	Painting	9 25	
	Green Island.	120 00	129 25
William Duann	Bolts and nuts Repairing burners 12 mouths salary as Keeper \$493.76	1 25 3 50	
Receiver-General	do superannuation tax 6 24	500 00	504 75
	Carried forward		61,685 03

	Remarkt forward	\$ cts.	\$ cts
	Brought forward		61,685 03
	LIGHTHOUSES—Continued.		
	Gull Rock Light,	1	
Macdonald & Co	Repairing lamps	0 75	
D. Orchard	Freight	1 25 54 85	
do Receiver-General	117 monthe galary as Kooner W205 (III)		
	do superannuation tax 5 00	400 00	
	Guysborough,		456 85
Godfrey S. Peart	12 months salary as Keeper	217 28	
Receiver-General	do superannuation tax	2 72	980.00
			220 00
	George's Island.	1	
White & Simmonds	Coil and pipe	6 20	
do	Painting	6 00 150 00	
			162 20
	Guyon Island.		
Macdonald & Co	Circular burner lamps	40 00	
Receiver-General	112 months saigry as Keeper	i	
TOTAL CICIOLOGICAL CONTROL CON	Superculation during the superculation of the super	462 50	F00 F
	Horton Bluff.		502 50
dward Walsh	Plate glass	11 00	
C. E. Rathburn Receiver-General	Plate glass		
- JOI VOI - GICHCHAIT.	do suberguidamon nav 0 10	62 50	
do	Hauling supplies	1 50 7 00	
do	0 months solow us Vooner 2195 16		
Receiver-General	do superannuation tax 2 34	187 50	
			269 50
	Harbor au Bouche.		
Macdonald & Co	Tanks and drip-pans	40 50	
webo	Sand and barrels, truckage	3 40	
	1 204h Tuna 1000		
General	Superannuation tax	145 65	
		<u> </u>	189 5
	Isle au Haut.		
Theakston & Angevin	Hiuges	1 50	
L. A. Wannanan	Travelling expenses	30 00	
Macdon Line (1	a papping and a series are a series and a se	4 60.	
A - Cara,	mading on and Bulles, 1013	1 00 00	
Receiver-General	do superannuation tax 5 00	500 00	
			596 7
i		l l	64,(82 3

2000111 2 0	, williams, cooling to the second, etc.		
•	Pour sha Course	\$ cts.	\$ cts.
	Brought forward		64,082 33
	LIGHTHOUSES—Continued.		
	Ingonish,	İ	
Wm. Bishop	Hauling stores and painting	14 00	
	Carpenters' tools	9 45	
Receiver-General	do superannuation tax 5 24	i	
		420 00	443 45
	: Ironbound Island.	1 !	
Irish & Smith	Clock-cord	1 08	
_ do	Hauling stores and painting	22 40	
Receiver-General	do superannuation tax 4 48	360 00	
	Isaac's Harbour.		383 48
	Labor, ironwork	23 75	
Receiver-General	do superannuation tax 2 48	800.00	
		200 00	223 75
	Jerseyman's Island.		
A. Cesale	Stove-pipe, repairing lamp	4 25 618 89	
Irish & Smith	RepairsCanvas, tacks, etc	17 50	
S. Babin Receiver-General	12 months salary as Keeper		
		300 00	940 64
	Kingsport.		340
D. R. Huntley	Freight and cartage	9 20	
W. F. Phipps	12 months salary as Keeper	80 00	89 20
	Kidston's Island.		
		i l	
D. McRae do	Repairs, painting, etc	20 30	
Receiver-General			
		200 00	229 30
	Little Hope.		
Rich'd Abbatt	Blocks and hooks		
W. S. Symonds & Co	Iron tanks	153 96	
White & Simmonds Irish & Smith	Rope iron and solder	18 00 l	
D. W. Browne	Rope, iron and solder Travelling expenses	48 00	
Macconald & Co	Kepairs to clock	. 79 25	
Alex McDonald	Cement Protection wall and foundation for oil store	27 45	
do	Board for 8 mechanics	21 25	i
do Receiver-General	112 months salary as Keeper \$493-76	1	
	superannuation tax 6 24	500 00	
		300 00	1,687 63
	Carried forward		68,070 78
	76		

	Brought forward.	\$ cts.	\$ cts. 68,970 78
	LIGHTHOUSES—Continued.	,	35,117 12
		ì	
	Lingan Head.		
James Oning	Stove-pipe Truckage of oil andrepairs 12 months salary as Keeper \$197 52 do superannuation tax 2 48	3 40 15 13	
done-		200 00	218 53
	$\it Liscomb.$	1	
eth Crooks	12 months salary as Keeper	345 64	
Receiver-General	d superannuation tax	4 36	350 00
	Liverpool.	Ì	
Theoleston & Angerin	Wire rope	3 78	
Wm. Harnish	Freight on supplies	4 49	
White & Simmonds	Repairing clock	2 50 24 00	
Chag. Firth	Removing and refitting steps	24 55	
Receiver-General	12 months salary as Keeper		
		470 00	459 32
	Louisburg.		
Irish & Smith	Lead, canvas and nails	101 37	
Jacob Bowser	Frame, oil store	20 00 50 00	
Griffin Morris	Bolts	5 30	
W. H. Morley	Lumber and shingles Erecting new lantern, oil store repairs	278 43 824 77	
Laurence Kavanagh	12 months salary as Keeper \$454 28	1	
Receiver-General	do superannuation tax 5 72	460 00	
	Low Point.		1,739 87
tal a n		3 50	
do	Hauling supplies 12 months salary as Keeper \$454 28	3 50	
Receiver-General	do superannuation tax 5 72	460 00	
	T L		463 50
	Lunenburg.		
Major F. Lukin	Rent of landLabour on supplies	0 24 3 00	
John A. Ernst	112 months salary as Keeper \$296 28	Į	
Receiver-General	do superannuation tax 3 72	300 00	
	La Have,		303 24
Robert		2 25	
E. C. Fairbanks W. H. Palmer	Copying plans of land	12 00	
Receiver-General	12 months salary as Keeper		
	a superiority of the second	200 00	214 25
	Little Narrows.		41.E 40
Intercolonial Railway	Freight on lantern		15 66

	Brought forward	\$ cts.	\$ cts. 71,835 15
	LIGHTHOUSES—Continued.		,
	Main-à-Dieu.		
do	Repairs, erecting lantern, etc	883 10 3 65	
ACCOUNT CONCIONAL SECTIONS	do superannuation tax 3 72	300 00	1,186 75
	Margaretsville.		1,100
Wm. Earlydo	Stove and pipe	9 70 25 00 11 00	
Receiver-General	do superannuation tax 2 88	230 00	FA
* ·	Margaret's Bay.		275 70
Macdonald & Co	Hardware	2 05 2 30 7 25 6 50 15 86	
Receiver-General	do superannuation tax 6 24	500 00	06
	• Margaree.	-	533 96
J. McFarlane	Balance account of repairs	134 40 18 20	
Farquhar McRae	2 months salary as Keeper, from 1st May to 30th June, 1880	333 33	
Receiver-General	2 months superannuation tax 0 83	66 67	552 60
James Zinc	Repairing lamps	2 10	
Receiver-General	do superannuation tax 3 12	250 00	252 1●
	McKenzie's Point.		202
D. J. McKay do	Repairs and painting	20 50	
		160 00	180 50
Edward Horne	Meogher's Beach. 20 cords wood for fuel, at \$3.75	75 00 15 00	
Receiver-General	do superannuation tax 5 00	500 00	590 00
	Carried forward		75,406 76

Statement of Expenditure on account of Maintenance of Lighthous Steam Fog Whistles, &c., in Nova Scotia, etc.—Continued.

Decam 10g	, vi nisticoj etci, in rio va sectia, etci		
	D	\$ cts.	\$ ets.
	Brought forward	***************************************	75,406 76
· .	LIGHTHOUSES—Continued.	1	
	Moser's Island.		
Henry Moser	Painting and building steps	18 25 450 00	
	Mullins' Point.		468 25
do	Repairing tanks, etc	5 00 52 25	
Receiver-General	do superannuation tax 1 88	150 00	217 25
	Meteghan.		
C. Corneau	12 months salary as Keeper		100 00
	Negro Island.		
James McKinnon	Travelling expenses	19 25	
Receiver-General	do superannuation tax 2 48	200 00	
	North Canso.		268 0●
P. Power & Co	Hardware	6 40 28 46 - 16 59	
	do superannuation tax 5 72	460 00	~ 45
	Ouetique Island.		511 45
White & Simmonds Cyril Samps n Receiver-General	Stove and pipe	10 35	
		350 00	360 35
	Pease's Island.	,	200 00
W. McFabridge Thos. Baker do	Stove and pipe Plate glass Oil tanks Boat, hauling tanks, etc. Boat-house and slip 12 months salary as Keeper \$236 60 do superannuation tax 2 99	75 00 37 20 76 17	
octver-General		239 69	445 68
	Parrsboro'.		
James Gillespie Alex. Dyas White & Simmonds W. J. Gibson J. Tomlinson	Repairs Cistern repairs Stove pipe Pipe and fitting Travelling expenses	29 91 79 00 12 00 11 86 13 00	
	Carried forward	145 77	77,777 74

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

	Brought forward	\$ cts. 145 77	\$ cts.
	LIGHTHOUSES—Continued.	. !	
	Parrsboro'-Concluded.		
J. H. Newcomb Receiver-General	12 months salary as Keeper \$335 76 do superannuation tax	340 00	
	Peggy's Point.		485 77
Samuel Massey	Wire, zinc and paint\$345 64	3 35	
Receiver-General	do superannuation tax 4 36	350 00	353 35
	Pictou.		
L. D. Lowden Receiver-General	12 months salary as Keeperdo superannuation tax	395 00 5 00	400 00
	Pictou Island.		
Primrose & Bros Andrew Hogg Receiver-General	Room paper, etc	4 75	
ALGORITHM CIT CHELLE IN THE COLUMN TO THE CHELLE IN THE CH	do superannuation tax	460 00	464 75
į	Pictou Custom House.		402
Pictou Gas Co	9 months salary as Keeper	31 25 150 00 12 36 4 50 6 25	204 36
	Pomket Island.		204 50
C. A. Chisholm	12 months salary as Keeperdo superannuation tax	345 64 4 36	350 00
	Point Tupper.		
James McDonald	Balance on account of repairs\$246 88	205 16	
Receiver-General	do superannuation tax 3 12	250 00	455 16
Thomas Power	Salary as Keeper, to 25th May, 1880 \$249 89	i	
Receiver-General	Superannuation tax 3 18	253 07	
1	Salary as Keeper, from 26th May to 30th June, 1880	200 01	
		26 93	280 00
ì	Port L'Ebert.		=;
l'heakston & Angevin!!	Searching title and recording deed of land	11 65 2 07 9 50	
l	Carried forward	23 22	80,771 13

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

Brought forward		\$ ct: 80,771 18
LIGHTHOUSES—Continued.	,	,
Port L'Ebert-Concluded.		
Oil store	1 10 164 56 100 00	288 88
Port Medway.		
12 months salary as Kappar 9256 76	12 10 13 25	
do superannuation tax	260 00	285 35
Port Mouton.		
Furnishing rooms in dwelling	10 25 42 50	
superannuation tax	300 00	352 75
Port Williams.		002 10
12 months salary as Keeper do superannuation tax	256 76 3 24	260 06
Pubnico.		
12 months salary as Keeperdo superannuation tax	237 00 3 00	240 00
Pugwash.		
	2 82	
au supersumation tax	300 00	302 8
Point Aconi.		502 0.
12 months salary as Keeperdo superannuation tax	148 12 1 88	150 0
Petit de Grat.		
10	528 63 40 00	
do superannuation tax 2 48	200 00	/ Pag a
Pope's Harbor.		768 6
12 months salary as Keeperdo superannuation tax	296 28 3 72	200 0
		300 0
	LIGHTHOUSES—Continued. Port L'Ebert—Concluded.	Port L'Ebert—Concluded. 1 10 164 56 12 months salary as Keeper. 100 00

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

	Brought forward	\$ cts.	\$ cts. 83,719 56
	LIGHTHOUSES—Continued.		
	Sable Island.		
Macdonald & Co Lawson, Harrington & Co Irish & Smith Brookfield Bros	Stove-pipe and coal hod	28 70 66 17 13 75	121 77
	Sambro.		
Richard Innes	Oil	270 71 98 00 29 00 12 25 5 00 58 10 10 79 17 00	
	Sand Point.	400 00	900 85
J. Mundell	12 months salary as Keeperdo superannuution tax	395 00 5 00	400 00
	Scatterie Island.		
J. Hogan & Sons	Rope, blocks, etc	17 07 27 38 28 00 4 65 26 25 12 00	
		500 OU	615 35
Macdonald & Co	Seal Island. Repairing lamps	9 50 400 00	
Corning Crowell Receiver-General	2 months salary as Keeper \$132 30 do superannuation tax 1 04		
	Stoddart's Island.		542 84
M. Wrayton	6 months salary as Keeper	75 00	
William Wrayton Receiver-General	6 months salary as Keeper	75 00	150 00
	Carried forward		86,450 37

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

	Brought forward	\$ cts.	\$ cts. 85,450 37
	LIGHTHOUSES—Continued.		20,200
	Shelburne.	Ì	
Aleakeston & Angevin Theakeston & Angevin Tobin & Co I Tobin & Co McKenns do do do	Balance on repairs Boarding carpenters Paint, oil, etc Stove Painting lighthouse, dwelling and oil store Freight, paint and oil Labour and oil Repairing barn and dorey Salary as Keeper from 1st July, 1879, to 23rd June, 1880 \$463 59 Superannuation tax 5 86	332 95 32 00 39 68 17 00 129 50 4 00 3 00 4 30	
	Salary as Keeper from 23rd to 30th June,	469 45	
Receiver-General	1880	8 79	1,040 67
	Spencer's Point.	}	-,
do	Truckage of supplies	1 45	101 45
	St. Ann's.	1	
do	Repairs and painting Lighthouse	17 28	
		140 00	157 28
br.	St. Pau's.		
S. Symonds & Co	Lamp stands, bolts, turning, &c	30 01 11 64	41 65
402	Sheet Harbor.		
	Building landing	21 00 30 00	
		500 00	551 00
George	Sylney Bar.		
Receiver-General	. 12 months salary as Keeper \$246 88 do superannuation tax		250 00
Ů,	Sassiboo.		
Receiver-General	12 months salary as Keeper	197 52 2 48	200 00
0.0	Tor Bay.		
acdonald & Co	Repairing lamps	2 90	252 90
	Carried forward.		89,0
	S3	-	

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

	Brought forward	\$ cts.	\$ cis
	Brought forward		89,010
	LIGHTHOUSES—Concluded.	1	
	Three Top Island.		
W. L. Munroedodo	Screw bolts and nuts	1 45 10 00 19 00	
		216 66	247 11
	Walton Harbor,		,
Timothy Parker	12 months salary as Keeper		100 00
	Westport.		
R. D. Suthern Receiver-General	12 months salary as Keeper do superannuation tax	296 28 3 72	300 00
	White Head.		
do do	On account of work on road, landing, &c	60 00 2 10	
Receiver-General	do superannuation tax	510 00	572 ¹⁰
Edward Russa	Salary as Keeper from 5th Nov., 1879, to 30th June,		
!	1880Superannuation tax	257 85 3 26	261 11
	Yarmouth.	Ì	
L. B. Doane Kinney, Healey & Co Murray, Ryerson & Co	Zinc, nails and labour Mason work Srick Cement S784 00 do superannuation tax 16 00	13 89 5 00 2 80 3 25	
ioccivei-donorani	, paperaraansa sarami 10 00	800 00	824 ⁹⁴
w _t	Yarmouth Harbor.		
Joshua Doane Receiver-General	12 months salary as Keeper \$345 64 do superannuation tax 4 36		350 00
	Barrington Light Vessel.	Ì	
do	Painting	17 00 35 00	
Receiver-General	Superannuation tax	500 00	552 00
	Refunds—Land and professional services, &c., Pease's Island Balance of check remitted for puachase of	35 21 6 66	92,252 5
	Total		92,210 7

Steam Fog Whistles, &c., in Nova Scotia, etc.—Continued.

	HUMANE ESTAPLISHMENTS.	\$ cts.	\$ cta
,	SEAL ISLAND.		
do	Government allowance, year ended 30th June, 1879 do do 1880	120 00 120 00	240 0
	Mud Island.		
ank of Nova Scotia	Government allowance, to 30th Jnne, 1879	******	80 0
	St. Pauls.		
Pohi:			
Bros. & Co	Hay and oats	144 10 50 00 103 54 41 80	
ish & Smith	Provisions	21 39 646 31 200 55	
eceiver-General	Superannuation tax 12 00	600 00	
oampoeii	12 months wages of boatmen.	1,250 00	3,057
	Sable Island.		
& M Smith	Barrels, &c	60 00	
, D	Danout 1 tohatt 2 and paramagnin to the total total	65 00	
D		144 (0)	
200	, manufacture, promise of promise	189 72	
ndrew Horne	Labour, mowing and haymakingdo	43 00 43 00	
Timmins	i d o do	43 00	
D	, 40 40	43 00	
	ITCDATED GRA DRIMMER	146 50	
		40 00	
		16 25	
		43 00 21 16	
nite & Simmonds	Stovepipe and elbows	10 80	
Form	Labour, building life-boat	130 00	
Duffield	Medical attendance and boardOats	76 85 50 90	
Nieforth	Garden seeds	23 70	
		48 90	
acdonald a	Cart wheels and axletrees	13 38	
ack Bros & Co	Oars	100 00	
ordly & Stimpson	Rope, paint and oil	865 81	
Welver General.	Superannuation tax on Superintendent's salary	6 24	
' W. Johnston	Superannuation tax on Superintendent's salary 12 months salaries of Superintendent and staff	3,412 90	5,998

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

,	BUOYS AND BEACONS.	\$ cts.	ş čts-
	Arichat.		
. Marchand	Spar buoy	2 50	
do	Carpenters' work, \$1.00; paint oil, 77c	1 77	
do	Boat and labour	2 00	
do :	Raising and landing Cerberus Rock and Outside buoys	62 50	
do	Raising Hantford and Yankee Shoal buoys	25 00	
	Laying buoys for ½ year per contract	159 33	
			253 10
	Argyle.		
		•	••
. H. Hamilton	Laying buoy on Terrio's Ledge		8 00
	Bras d'Or.		
Dunlop	Spar buoy, \$10; iron work, \$11.50	21 50	
do	Mooring stones, \$12; painting, 16.30	28 30	
do	Landing Carey's Shoal, Little Island and Lime		
do	Rock buoys do do	56 00	
do	Placing do do Hire of schooner	56 00 12 00	
rchibald Smith	Laying and raising buoy on Smith's Island Shoal,	12 00	
	\$10; painting, \$1	11 00	184 80
	D		184 0
	Barrington.		
oseph Kendrick	Hire of schooner	11 00	
ao	Iron work, \$9 30	9 30	
uo	Labour, painting, placing, drilling and mooring	41 50	
lbert Kennev	Freight on buoy	5 20	
. Crowell	Putting down and taking up buoys, 1 year, as per		
W Wasselson	agreement	100 00	
	Hire of schooner Phone \$5.50: labour placing \$21	10 00	
	Buoy, \$5 50; labour, placing, \$21	26 50 5 83	
7. Robertson	Hire of schooner and placing buoys.	6 00	
do	Labour, \$24; iron work, \$9.10; boat, 80c	33 90	
do	Labour, cleaning and painting	21 00	
do	4 spar buoys and moorings	28 00	
do	Schooner hire and labour, placing buoys Iron work, \$19 89; cleaning and painting, 3.50	12 00	
do	Schooner hire, \$4; labour, placing, \$14	23 39 18 00	
ao	Painting and cleaning can and spar buovs	21 00	
do	Dressing 2 new buoys	3 00	
ao	Spar buoy, making and painting	5 00	
do	Mooring, \$2; placing, \$3; iron work, 4.77	9 77	390 3
	Bear Kiver.		
7 0 11	1		
v. r. Hennigar do	Hire of boat and 2 men	3 00	
	Chain, moorings and placing buoys	30 00	
	Paint, oil and painting, \$3.98; iron work, \$8 Taking up and laying buoys	11 98 24 00	
uo	Mooring stone and drilling	3 00	
ao	Spars, \$5; chain shackle, \$2	7 00	
go	Scow hire and grappling, \$10	10 00	
do	Blacksmith work	2 25	91 2
	Carried forward	l	927

Statement of Expenditure on account of Maintenance of Lighthouses, Steam Fog Whistles, &c., in Nova Scotia, etc.—Cnotinued.

	Brought forward	\$ cts.	\$ cts 927 52
	BUOYS AND BEACONS—Continued,		
	Canso.	}	
Vm, Walih	Blacksmith's work	24 56 13 00 98 00 37 01	223 3
	Cape Negro.		223 5
llex. Greenwood do	Painting, \$2.00; iron work, \$2.00	4 00 36 00	40 0
	Cheticamp.		
do	Painting, scraping and wharfage	8 30 18 25 42 40 10 00	78 98
	Digby.		
do	Hire of schooner, laying and taking up buoys Labour, \$20.22; iron work, \$3.50 Scraping and painting, \$2.95; wharfage and storeage, \$2.06 Paint, oil, varnish, etc	50 00 23 72 5 01 15 28	
	ant, on, varuish, etc	13 20	94 0
odfrey Hadley	Guysborough. Repairing beacon	228 43 29 00	248 4
	Joggins.		
do Hughes	Laying and taking up buoys Replacing buoy, \$1.75; blacksmith work, \$2.30	6 00 4 05	10 0
	Louisburg.		
do	Laying and taking up buoys	20 00 6 00 3 99 3 00	32 9
7	Lunenburg.		
q 0	Laying and taking up buoys	98 90 15 60 13 50 7 90 60 00 65 00	
			259 1

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

	Brought forward	\$ cts. i	\$ cts 1,914 39
	BUOYS AND BEACONS—Continued.	i	-7
	La Have.	!	
3. H. Zwicker	Painting iron work, labour, placing, etc., on Bull's		
do	Shoal buoy Painting iron work, labour, placing,etc.,on Moser's	13 65	
do	Harbour buoy	5 60 0 75	20 00
	Merigonish.		20 00
ames Chisholm	Labour, taking up and placing buoys		20 00
	Mahone Bay.		
F G & G Stowner	Labour, raising and putting down buoys	179 00	
do	Hire of schooner	144 00 7 53	330 5
	North Sydney.		
do	Hire of tug boat	30 00 6 51 16 52	6 23
	${\it Pubnico}$.		35 4
(. Amero	Furnishing and placing buoys	••••	8 5
	Pictou.		
do	Buoy, labour and painting		
	Table back parting		179 7
	Port Hood.		
do	Taking up and securing buoys	89 94 67 00	
do	Iron work, \$3.50; paint and oil, \$3.50	7 00	163 9
•	Petit de Grat.	\ !	
J. T. Jeando	Taking up and placing buoys, per agreement Repairing and painting	48 00 6 00	54 (
	Pugwash.		
A. F. Stevens	Lifting and landing spar buoys.	10 00	
do	Hire of lighter, \$5; landing and storing, \$9 Overhauling, painting and replacing	20 60	
do	Painting, scraping and coopering	10 00 7 90	
do	Pilot, labour and lighter, and placing buoys	17 00	

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

	Brought forward	\$ cts.	\$ cts. 2,744 14
	BUOYS AND BEACONS—Continued.		
*	Pugwash-Concluded.	į	
do	Hire of schooner, placing outside buovs	14 00 6 00 3 75	102 65
	Port Medway.		
do	Spar for buoy and making Boat hire, \$3; labour, \$6 Iron work, \$5; painting, \$18	4 00 9 00 23 00	36 00
	Port Hawkesbury.		
J. McDonalddo	Scow hire Labour and boat hire, \$11; painting, 75c	3 00 11 75	14 75
	Port La Tour.		
dodo	Cleaning and painting	1 50 13 52 13 40 8 25	36 67
	St. Mary's.		
D. H. Pitts	Picking up granite mooring stones		25 00
	Shelburne.		
Baldwin & Co	Building beacon		160 00
	Tusket.		
J. B. White do	Two new buoys	10 00 18 30	28 30
	Windsor.		
B. N. Banks	Painting spar buoys	***************************************	10 00
	Westport.		
R. D. Suthern	Painting and placing buoys in Passage Shoal lronwork, \$7; rope and paint, \$11.83	15 00 18 83	23 83
	Wallace.		33 (3
dodo	Labour, removing and lifting	16 50 10 00 8 86 5 30 24 17	64 83
	Carried forward		
	Varried forward	········· ·······	3,256 17

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

	Brought forward	\$ cts	\$ cts. 3,256 17
	BUOYS AND BEACONS-Concluded.	J	
	Miscellaneous.		
W. H. Courtney Burrell Johnson & Co John Findlay	Automatic signal buoy	*******	1,650 00 248 89
do do	Bands and repairs to automatic buoy Bell for buoy Balance of contract, bell buoy. Repairs to bell buoys Mushroom anchors	99 35 101 48 740 00 146 85	182 00 1,676 46
D. O'Donnell	Shackles		22 12 14 01 37 20 96 00 366 14
A. Grant & Co	Chain Taking up, painting and replacing Cow Ledge Buoy Wharfage buoy Mooring stones		227 43 28 00 5 00 92 41
J. S. Nieforth J. Jodry Wm. Fleming J. V. Gregorv	Blacksmith work Fenders for automatic buoy Reporting bell buoy adrift Anchor Moving and mooring buoys.		129 81 6 00 4 00 102 60 37 50
Macdonald & Co M. Robichau James Major	Repairs to automatic buoy Fxpenses recovering N. W. Ledge bell buoy Painting and scraping buoys.	••••••	9 20 18 00 12 00
W. McFabridge	Paint Tug boat, recovering N. W. Ledge bell buoy Chain Copying plans, Mushroom anchors. Anchors and chains. Lumber		100 00 51 98 3 50 1,586 45 28 45
	Total		9,997 32
	SIGNAL STATIONS.		
J. K. Goold	Expenses of Signal Stations, June quarter, 1879 Conveyance of signal parties' stores	512 48 65 00	577 48
Lieut. C. C. Carter Major F. Lukin	Salary as Superintendent of Signals	el e	150 00
do	Conveyance of signal parties' stores and provision	1,895 49	2,246 98
			\$3,074 46

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

Imperial Board of Trade, London	\$ c	
Stationery Office, Ottawa Stationery and printing	58	93
Public Buildings, Hali- faxShare of heating and attendance	613	88

RECAPITULATION.

Maintenance of Lighthouses, Fog Alarms, etc	9,375 83 9,997 32 3,074 46 858 47	\$ cts.
do Humane Establishments	9,375 83 9,997 32 3,074 46 858 47	116,189 60

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

APPENDIX No. 6.

To the Thirteenth 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, 1880.

	,	1	
	Block House Light.	\$ cts.	\$ cts.
	12 months salary as Keeper of Light and Signal Station \$335 72 12 months superannuation tax 4 28		
do	Fuel	349 00 32 00 12 07 4 87 34 35 3 50	426 79
	Cascumpec Light.		
do	3 months salary as Keeper	62 50	
do	9 months salary as Keeper	187 50 32 00 19 84	
Geo. Wells	Painting, hauling brush and stone, building of foundation, &c	110 58 11 30	423 72
. J. McEachern	Cove Head Light. Hauling stone and brush		25 00
Percy Palmer "Heather Bell" S. B. Leard.	Crapaud Light. 12 months salary as Keeper	75 00 1 50 150 00	226 50
	East Point Light.		
Bourke, Son & Co Dumiss Shea	12 months salary as Keeper	73 18 5 00	366 18
	Fish Island Light.		
A. J. McLellan do	12 months salary as Keeper	250 00	
	Carried forward92	250 00	1,468 19

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

,	Brought forward	\$ cts. 250 00	\$ cts. 1,468 19
	Fish Island Light-Concluded.		
A. J. McLellan J. V. Rogers Bourke, Son & Co	Fuel	32 00 1 50 38 96	200 44
	Indian Point Light.		322 46
Then Posttie			0 7 20.
Inos. Deathe	Boat, &c		27 30·
	Little Channel Light.		
Wm. Hardy	12 months salary as Keeper	100 00	
David Mulligan	Hauling stone and brush	38 50 39 00	
Bourke, Son & Co Robt. Williams,	Burners, sponges and brushes	27 64 52 16	
	Time of the second		257 30 [,]
•	Little Sands (High Bank.)		
Bourke, Son & Co	12 months salary as Keeper	30 00 16 75	46 75
	Little Tignish Light.		
do	12 months salary as Keeper	100 00 28 00 5 95	
	Murray Harbor Light.		133 95
Malcolm VaFadvon	9 months salary as Keeper	27 50	
Jas. Penny	112 do do (Range Light)'	37 50 50 00 5 86	
Bourke, Son & Co	Oil, &c., cartage, &c	15 10	108 46
	New London Light.		
Colin McKenzie Bourke, Son & Co	12 months salary as Keeper	100 00 108 50 60 00 29 53 4 46	
Thos. Williams	Cartage, &c., on lantern	1 52	304 01
	North Cape Light.		, -
Peter H. Perrydo	12 months salary as Keeper	200.00	
Francis Gallant	Hauling supplies	300 00	
Peter H. Perty.	Reflector, blinds, oil, &c.	42 17 32 00	000 00
			377 67
•	Carried forward		3,046 09

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

	Brought forward	\$ cts.	\$ cts. 3,046 09
	North Rustico Light.	***************************************	3,040 00
C Purson		100 00	
do	12 months salary as Keeper		
	Repairing damages to foundations of Lighthouse and oil store caused by storm	121 30	
Sourke, Son & Co	Burners, brushes, putty, &c	23 09	264 39
	Orwell Light.		
ohn McDonald	12 months salary as Keeper	********	80 08
	Panmure Light.		
W. McDonald	12 months salary as Keeper \$246 88 do superannuation tax 3 12		
		250 00	
do Bourke, Son & Co	Fuel, \$32; repairing stone wall, \$6 Chimneys, wicks, burners, &c	38 00	
Chas. Johnston	Painting and materials	20 80	
	Lead piping, &cLumber	32 00 20 70	
icDonald & Westaway	Cartage, &c	10 95	
	·		438 6
	Point Prim Light.		
	12 months salary as Keeper		
	a paperantal and an annual and an annual and an an an an an an an an an an an an an	300 00	
do	Fuel	32 00	
do Bourke, Son & Co	Hauling oil, &cChimneys, wicks, oil, &c	7 93 71 61	
	St. Andrew's Light.		411
		1 1	
Jos. Wightman	12 months salary as Keeper	100 00	
Chas. Johnston	Allowance for keeping winter Light Painting and materials	25 00 22 85	
D. F. Kennedv	Filling up pipe, &c Chimneys, wicks, towelling, &c	5 00	
bourke, Son & Co	Communitys, wieks, towering, &c	24 40	177 2
	St. Peter's Light.		
W. W. McGrath	12 months salary as Keeper	109 00	
do	Repairing breakwater, \$14; moving range tower, \$10 Moving outside tower	24 00	
Bourke, Son & Co	Towelling, sponges, paint, &c.	21 00 18 17	
			163 1
	Sea Cow Head Light.	1	
Peter Ranaghan	12 months salary as Keeper \$246 88		
do		250 00	
do	Fuel, \$32; painting lantern and repairs, \$10	1 42 00 1	
Milton Weish	Stove piping, repairing lamps, &cZinc, sponges, paint, &c	61 65 24 33	
	-1 -Longest bound no minutes and annual man	24 33	377 9
	Carried forward		4,959 0
	01		-,

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

	Brought forward	\$ cts.	\$ cts 4,959 0
	South Rustico Light.		2,000 0
Wm Ford		100.00	
J. C. Hall	Removing beacon Light.	100 00	
C. F. Harris	Repairs to lamps	20 15	
	Summerside Light.		130 1
Patrick McVeigh	l 12 months salary as Keeper		100 0
J	Tracadie Light.		200 0
Michael Ready	12 months salary as Keeper		100.0
aronaer seemay assa		······	100 0
DT 14 0 11	West Point Light.		
do	. 12 months salary as Keeper \$296 24 do superannuation tax 3 76		
do		300 00	
do Bourke, Son & Co	Fuel	32 00 70 26	
	Wood Island Light.		402 2
Jas. McMillan	. 12 months salary as Keeper \$197 48		
· do	do superannuation tax 2 52		
do	Fuel	200 00 i	
	Repairing drain	10 00	
Bourke, Son & Co	Chimneys, wicks, matches, etc	22 92	
	GENERAL ACCOUNT.		264 9
Wm. Mitchell	12 months salary as Agent	980 04	
dodo	Travelling expenses, postages, etc	263 79	
Geo. Coombs	Rent of warehouse, to 1st August, 1879do \$60; wharfage of buoys, to 31st	75 00	
Stanton Stumbler	December, 1879, \$40.65	100 65	
Anglo-Amer Teles Co.	Horse hire, from 1st July, 1879, to 30th June, 1880	73 50	
Charlottetown Argus	Advertising	99 68 7 25	
do Herald	do do do do do do do do do do do do do d	18 75	
Examiner Printing Co	do	10 00	
ummerside Progress	de	3 60	
resbyterian	do	4 20	
beogetown Advertiser	Touche as of supplies south as of siles	2 60	
E I St Nov Co	Truckage of supplies, cartage of oil, etc Freight on 40 casks oil	41 75 84 80	
ohn McLean	Carrying annual supplies to Lighthouses	130 00	
Williams	Carrying annual supplies to Lighthouses	7 66	
Oliriza Son & Ilo	Hordword	218 03	
F. Harris	Repairing Lighthouse lamps	10 50	
. U. Gregory	To pay for 585 gallons oil, 23½c.—\$1.374.75; cart-		
	age and labour, \$52.00	1,406 75	
do Odd & Rogers	Paid for freight on 90 Barrels oil, \$1.00	90 00	
Chanteloun	Hardware, rope, chimneys, etc	54 17 584 55	
hance Bros. & Co	Plate glass, £161 19s. 9d	788 33	
ohn Brown	Filling oil	2 00	
1. Stevenson	. Oil tanks	376 30	
Jarvell Brog	Freight on oil	17 34	
uchemin Bros	Testing oil tanks	12 00	
oger Westaway	Keeping Light during winter on Westaway's Point.	25 00	5,488
	Carried forward		11,444 6

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

	Brought forward	\$ cts.	\$ ct
		** **** ***** *****	
	BUOYS AND BEACONS.		1
as. Ellis	Making buoys, painting and placing, Bideford River	110 00	
Alex. Howatt	Staking channel, maintaining and lifting buoys,	107 00	1
A. McDonald	etc., Tryon Harbour	125 00 106 00	
I. McDonald	do do Lower Cardigan	61 00	i
eo. Anderson	Repairing, mooring, placing, etc., St. Peter's Har.	154 50	i
conaid Campbell	Repairing and placing, Bedique Channel	106 56	ŀ
feC. Wells	Maintaining, lifting and placing, Cascumpec	275 00	}
lugh Camphell	Taking in, painting and mooring, Tracadie	16 14 52 50	i
O. C. Campbell	Warehouse rent, placing, etc., Montague Harbour.	42 82	İ
Richard Jenkins	Maintaining, placing, etc., Pownall Bay	44 00	
leill McLeod	do do Penette Harbour	74 00	1
	Repairing and placing, West Point	20 00	j
	Maintaining and placing, Egmont Bay	47 00	l
	Lifting, securing and painting, Egmont Bay Repairing, painting and placing, Malpeque	73 54 160 29	Į.
	Maintaining and placing, Miminigash.	55 00	
I. McElroy	Truckage, etc , Miminigash	46 00	
ames Matheson	Repairing, painting and placing, South Rustico	65 00	
Vesley Meyers	do do do Crapaud	140 00	
onald Campbell		146 00	
harles Deagle	do do Rollo Bay	28 00	
ohn Furness	do do do and anchor,	90 10	
ohn Haggart	Rivers Vernon and Orwell	80 50 109 60	
David Small	Taking up, maintaining and placing, Charlotte-	109 60	
	town. East and West Rivers	470 98	
Villiam Hardy	Taking up, repairing and placing, Little Channel	59 00	
eorge McKenzie	Making and placing, New London	136 00	
Villiam Millar	Taking in and placing, Murray Harbor	53 00	
ohn McMillan	Maintaining and placing, Grand River do do Upper do	68 00	
ohn McCormack		45 00 136 25	
G. Pursey	do do North Bustico	70 25	
Montgomery	Freight of buoy, Alberton	3 15	
ohn R. Coffin	Making and placing. Bay Fortune	27 50	
. D. McMillan	Placing, etc., Cove Head	59 00	
MOOTE	Painting and fitting, Cove Head	17 50	
D Inman	Making and repairing buoys	187 50	
cKinnon & McLean	Shackles and anchor	3 42 20 46	
	Chain	169 74	
eorge Foster	Blacksmith's repairs	19 65	i
	-		3,658 8
			\$15,103 4
ueen's Printer	Stationery and printing	2 48	\$10,100 ×
ublic buildings. Char-		# 1 0	.
lottetown	Share towards maintaining and heating	182 21	.
	- "		184 6
	Total		78 000 1
	Total		15,288 1

Wm. SMITH,

Deputy Minister of Marine and Fisheries.

John Tilton,

Accountant.

APPENDIX No. 7

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure in connection with the Maintenance of Lights, British Columbia, for the Fiscal Year ended 30th June, 1880.

	Beren's Island Light.	\$ cts.	\$ cts
· McKinnon	12 months salary as Keeper	492 00	
 Vipond	Sharpening saw	1 50	
· Saunders	Soap, \$4; 10 cases coal oil, \$42.50; labor on do,	i	
	1 152.50	49 00	
. McChada & Son	Log book Coal oil, cement, etc	1 50 156 08	
R. Marvin	White lead buckets ate	39 77	
Godding	White lead, buckets, etc	30 00	
Smith	do do	27 50	
T. Moore	Painting	7 50	
O. Whiren	1 00	7 50	
Huntingdon	Digging and pointing foundation, etc	5 2 75	
AT W Wilson	Store fittings and nlumbors' renairs	52 45	
omas Hendry	Bailding saow porch, plank-way, etc.	52 50	
Phosphala	Sponges	79 03	
rown & White	Cotton linen dowles ate	11 87 3 26	
Byward & Jenkinson	Cot'on, linen dowlas, etc	7 48	
With & Clark	Flooring, guttering, etc	8 75	
· W. A. Lange	. Cleaning clock	2 60	
Boyd	. Cleaning clock	2 00	
N. Hibben & Co	. Stationery	1 12	
teamer "Sir Jame	8		
Douglas"	3 tons coal	18 00	
· H. Robinson	Inspecting, etc., repairs	3 50	
•			1,107 0
	Cape Beale Light.		
manuel Cox	12 months salary as Keeper, to provide one Assis-		
		1,192 00	
Spring	Conveying letters, etc., as per contract, \$50;	-,	
	freight and supplies \$10	60 90	
Bramwell	Lahour rengiring machiners	40 80	
Cinanteloun	Lami miacoad wield ate	51 00	
ureinarat at Co	. Rreignt on lamin glagges, wicks, e.c	15 68	
MCNernaine	Labor boarding station	54 75	
A. Reynolds	do do		
. A W Wilson	Hardware, linseed oil, &c	97 21 41 74	
B. Marwin	Hardware white lead engine ate	66 00	
		110.82	
		16 37	
		332 82	
		5 00	
		8 00	
		11 87	
	90 cases of coal oil 54.20—5352.00; whatiage, etc.,!		
		387 00	
os. Earle		00 0-	
os. Earle	\$4.50	20 37	
os. Earle	Brooms, saw, scrubbers, &c	4 37	
N. Hibben & Co	\$4 50 Brooms, saw, scrubbers, &c Stationery. Repairing two clocks	4 37 4 50	
hos. Earle	\$4 50 Brooms, saw, scrubbers, &c Stationery. Repairing two clocks	4 37 4 50	
Nos. Earle	\$4 50 Brooms, saw, scrubbers, &c Stationery. Repairing two clocks Fender	4 37 4 50 2 75 8 24	
N. Hibben & Co E. Redfern.	\$4 50 Brooms, saw, scrubbers, &c Stationery. Repairing two clocks	4 37 4 50	2, 597 (
N. Hibben & Co E. Redfern. Mansell & Co	\$4 50 Brooms, saw, scrubbers, &c Stationery. Repairing two clocks Fender	4 37 4 50 2 75 8 24 8 00	2,597 3,704

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

	,		
	Brought forward	\$ cts.	\$ cts.
	Entrance Island Light.		_
	12 months salary as Keeper	592 60	3,704 10
P. McQuade & Son G. Stelly J. Rueff & Co	Soap, \$4. White lead, cotton waste and hardware Nails, oil, canvas, etc Cartage	3 00 107 25	
A. J. Dixon E. McK. Sabiston C. Drummond Thos Shotbolt	do do and painting		
W. P. Sayward J. Hirst T N. Hibben & Co	Repairs to lantern Lumber Hardware Stationery 5 tons coal, \$4.50	4 25 81 05 4 20 1 50 22 50	00
	Fisgard Light.		1,250 06
	7 months salary, and to provide one Assistant, from 1st July, 1879, to 31st Jan., 1880	433 33	
R. Cessford	from 1st Feb. to 30th June, 1880	244 60 8 00	
T. C. Jones Huntington & Hughes	Making sashes, glazing, etc	25 00 50 00 48 70	
E. B. Marvin P. McQuade & Son	Repairs to windows, doors, etc	31 32 13 60 90 98	•
Brown & White H. Gavdon	Buckets, lamp glasses, etc	30 37 11 88 4 00	
J. Weiler	Ink, &c	0 75 3 50 3 75	
T. N. Hibben & Co A. & W. Wilson	10 cases of coal oil, \$4.25—\$42.50; black lead, \$1 Stationery	43 50 3 50 19 62	
Str. "Sir Jas. Douglas" A. Bevis	Blinds	2 78 73 35 26 00	
n. Saunders	Soap	4 00	1,172 53
Ton John	Fraser River Lightship. 10 months salary as Keeper	744 70	
John Davis Duncan McLean	3 do Assistant Keeper	744 79 120 00 120 00 1 50 268 50	
Jos. Middleton	hire of schooner "Eliza" as a temporary Light- ship, from 4th May to 30th June, 1880, 1 month and 28 days. at \$560.00	951 61	
Hudson Bay Co	Shipwright labour on survey	31 00 20 50	
Geo. A. Walkem	Legal expenses	5 00	2.102.60
	Carried forward98	2,368 54	6,126 69

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

	Brought forward	\$ cts. 2,368 54	\$ cts. 6,126 69
Newminster Herald Victoria Standard H. Georgeson E. Harrison, sen Str. "Carriboo Fly" P. McQuade & Son Smith & Clark Str. "Sir Jas. Douglas." Thos. Westgarth	Advertising removal of Lightship do do General advertisements 150 gallons dog fish oil, 40c Lettering on temporary Lightship Freight. Anchor, 676 lbs., at 10c. per lb. \$67.60; chain hoisting gear, rubber, etc., \$20.21 Labour and material for mast head ball. 15 tons coal, \$4.50 Survey and report Flannel Chain, 2,175\(^2\) lbs., at 5\(^1\)c -\\$120.65; rope, etc.,\\$5.50 Drafting contract of hire of temporary Lightship.	2 50 4 00 15 00 60 00 5 00 4 00 87 81 5 9 67 50 16 00 2 50 126 15 15 00	2,779 93
	Point Atkinson Light.		
M. W. Waitt & Co E. B. Marvin J. Bramwell W. Howay J. McNerhanie A. & W. Wilson P. McQuade & Son W. P. Sayward Thos. Shotbolt Hastings Saw Mill Co Moodyville do H. Saunders T. Nicholson T. N. Hibben & Co	12 months salary as Keeper, and to provide one Assistant Log-book. Paint, canvas, etc Repairs to machinery Boerding tower and dwelling. do do Stove fittings and tinware Ironmongery. Lumber. Polishing powder, etc Axes Lumber 10 cases coal oil Soap, etc Stationery Buckets	790 00 1 50 24 75 21 00 35 40 34 50 20 24 19 25 72 49 6 50 6 07 9 90 46 75 5 25 3 37 1 75	1,098 72
	Race Rocks Light.		
J. Fell & Co	12 months salary as Keeper, and to provide three Assistants Provisions, to 31st December, 1879, as per contract Coal oil, Imne, etc	1,507 48 306 00 14 00 100 00 37 87 111 75 8 50 29 00 13 25 6 00 8 20 17 50 6 25 16 44 27 25	2,319 06
	Carried forward		12,324 40
	1	! !	

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

		•	
	Broughtiforward	\$ cts.	\$ cts. 12,324 40
	GENERAL ACCOUNT.	!	
W. S. Gore	Advertising	4 00 • 74 50 36 00 15 00 9 50 20 00 40 00 70 00 40 00 2 50 40 50	35 2
	BUOYS AND BEACONS.		
T Shotbolt	Recovering Brotchie's Ledge Buoy	5 00 1 00	
J. Dougal	and Sand Head buoys	100 0	
E. B. Marvin	Paints, oil, brushes, etc., Fraser River and Sand	45 30	
R. Nightingale	Head buoys	23 90	
P. McQuade & Son Thos. Westgarth Victoria Gas Works Victoria Gas Works Victoria Standard T. E. Peck J. Renwick & Co V. Quimby J. McLeod British Colonist A. McLeod J. Laborn W. Whitmarsh Thos. Westgarth P. McQuade & Son J. W. Williams Shaw & Kuna W. P. Sayward Jas. McAuslan J. Porter E. Marvin Welch. Rithet & Co J. Renwick & Co	Sand Head buoys	40 00 41 59 5 75 3 75 14 00 18 50 26 69 80 00 2 00 4 00 5 00 6 00 4 00 5 00 65 80 8 92 6 00 1 25 13 75 201 00 16 97 42 0	
J. Huntington	21 days labour, at \$2.00, do	71 00 162 50	
Bossi & Giesellman	Lime	11 25	1,048_96
	SALARIES AND CONTINGENCIES OF AGENT'S OFFICE.		
Hudson Bay Co M. W. Waitt & Co De Wiederhold & Co Victoria Post Office	11 months and 23 days salary as Agent	1,536 13 120 00 30 00 23 50 6 00 13 25 36 35	
	Carried forward ,,,,,,,,	1,765 23	13,725,36

STATENENT of Expenditure on account of Maintenance of Lighthouses, &c., in British Columbia, etc.—Concluded.

	Brought forward	\$ cts. 1,765 23	\$ (13,725	
Str. "Sir J. Douglas" F. Revely W. H. Robinson Str. "Maude"	Concluded. Stationery and stamps	19 50 13 42 9 00	1,895	78
	Refunds—Proceeds of sale of boat (Fisgard Light) Proceeds of sale of refuse dog fish	30 00	15,621	14
	oil, Lightship, Fraser River	14 15	44	15
			15,576	99

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

APPENDIX No. 8

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Construction of Lights and Fog-Whistles, &c., for the Fiscal Year ended 30th June, 1880.

	ABOVE MONTREAL.	\$ cts.	\$ cts
	Gore Bay Light.		
	Contract for building	1,890 00	
do	Extras on contract	36 00	
Chanteloup	Cast-iron lantern, burners, stand, &c	780 00 \ 65 00	
1. MCACIT	Superintending during cross-constraints		2,771 39
	Kincardine Light,		•
Coronto "National"	Advertising for tenders	2 90	
Janadian Printing Co	do	2 32	
Orange Sentinel	do	3 50	
doderich Star	dodo	2 90	
Chatham Weekly Planet		2 90	
J. Warren	Survey of location	12 00	
	On account of contract	1,465 00	
do	do extra work driving spiles	626 67	
Uharles Taylor	Inspecting during erection	150 00 1,804 58	
Great Western Railway		1,004 00	
Co	Freight on lantern and apparatus, &c	43 56	
W. Kay	do glass	9 50	
•			4,128 7
	Leamington Light.		
Windsor Review	Advertising for tenders	2 80	
Sarnia Canadian	do	2 24	
Chatham Planet	do	2 80	7 8
	Long Point (West End), Port Rowan.		•
Ontota of the Ame		2.40	
Spirit of the Age Roderick Cameron		2,077 00	
Jos. Tomlinson	Travelling expenses—inspecting	50 00	
W. P. Anderson	do do	35 40	
E. Chanteloup	Lantern, lighting apparatus, stand, &c	1,951 88	
W. Burt R. Cameron	Inspecting during erection	39 00	
1. Ownerou	materials	300 00	
			4,456
	Parry Sound Light.		
Le Canada,	Advertising for tenders	2 80	
National Publishing Co.	. do	2 80	
Owen Sound Times		2 56	
Orange Lily	do	2 80	10 5
	Port Dalhousie.		
R. Whiteacre	_	3	27
TA: At MINORATO: pression trees	TEATER OIL COULTESCO		

\$ cts. \$ cts 11,402 60	Brought torward	
	ABOVE MONTREAL—Concluded.	1
	Red Rock Light.	1
3 05	vertising for tenders	itizen Printing Co
3 05 2 80	do	ttawa Heraldvening Telegram
2 80	do	ollingwood Enterprise
3 20 2 80	do	he Messenger
17 70	do	rish Canadian
	GENERAL ACCOUNT.	
2 90	vertising	vening Telegram
2 90	do	lamilton Spectator
15 30	do for charter of steamer and Lighthouses	rish Canadian Iuskoka Herald
3 94 297 71	do	luskoka Herald
594 50	penses putting up machinesmonths services as Draughtsman	P. Pine
437 00 (163 50	do and 3 days do	B. Billinga
35 75	days do do	A. Grignardohn Corbett
20 00	lithograph plans for oil sheds	Grignard
50 00	avelling expensesotographing plans	os. Tomlinson
1,672 6	otographing plans	S. C. McLaughlin
13,092 9	Total	
	MANITOBA.	
	e of steamer from Selkirk to mouth of Red River	John Doty
25 00 5 00	to locate Lights	
5 00	sisting to draw specifications do do for Light at mouth	Carrol
5 00	of Red River	_
141 75	rveying charges, travelling expenses, &c	W. Vaughan
4 00 5 76	do tenders for Lighthouse	Le Metis
4 50	do for Lights on Red River	do
11 40	do for construction and delivery of Light-	Pimes Printing Co
11 40	ship at mouth of Red Riverdo postponement of tenders for Lightship	Inter-Ocean
204 9		
	BETWEEN MONTREAL AND QUEBEC.	
	St. Emile Light.	
1 60 3 20	lvertising for tenders	Daily Telegraph
3 20	do	Montreal Star Journal des Trois Rivières
1		Montreal Journal of Com-
1 50 3 25	do	Marce
	do	Le Voix du Peuple L'Union des Cantons de
2 60 1 1 60	do	I IVST
3 20	do	Noveau Monde La Minerve.
3 20	do	Vourrier du Canada
3 20)	do	FOSt Printing Co.
473 47	antern, lamps, &c	~. Cuanteloup

-	0		<u></u>
	Brought forward	\$ cts.	cts. 704 93
	BETWEEN QUEBEC AND MONTREAL-Concl'd.	`	
•	St. Therese Light.	1	
D-11- W-1		1 00	
Montreal Journal of Com-	Advertising for tenders	1 60	
Mouveau Monde	do	1 50 1 60	
J. Sheridan	Constructing Range Lights	1,041 00	
W. P. Anderson	Expenses inspecting do Light	16 87 11 53	
	Iron lantern, lamps, &c	234 73	1,308 83
			1,508 00
	GENERAL ACCOUNT.		
L'Evenement	Advertising for tenders do	2 56	
Gazette Printing Co La Canadien	do	3 20 3 20	
Sorel News	dodo	3 20	
W. P. Anderson	Travelling and inspecting expenses	3 20 54 93	
-		i_	70 29
	Total		1,879 14
İ		-	1
	BELOW QUEBEC.	!	
	Belle Isle Light.		
E. Chanteloup	Lantern, lighting apparatus, etc		983 79
:			
1	Cape Ray Fog Alarm.	i	
Neptune Fog Horn Co	Automatic fog horn and apparatus		2,000 00
	Fame Point Light.		
	Advertising for tenders	5 94	
Gazette Printing Co Citizen Printing Co	do	5 94 3 05	
Ottawa Herald	do	3 05	
La Canada	do do	3 30	
Canadian	do	4 95 3 90	
Shareholder	do	4 60	
La Voix du Peuple	do	3 25	
Nouveau Monde Nouvellist de Rimouski	do	4 62 3 30	
Courrier de Maskinonge	do	3 30	
L'Evenement	do	3 96	
Canadian Illusti'd News.	do	4 95	
Post Printing Co	do	3 30 1 4 95 1	
Quotidien	do	2 56	
L'Union des Cantons de l'Est	do	2 60	
La Minerve	do	5 94	
Gazette des Campagnes.	do	2 64	
E. Unanteloup	Lantern, lighting apparatus, etc	1,971 24	2,051 34
	Carried forward		5,035 13
	Uarried forward		0,000 10

Orange Lily Ad	Brought forward BELOW QUEBEC—Concluded. Gaspé Light.	\$ cts.	\$ c 5,035	
Orange Lily Ad	•			~ •
Orange LilyAd	Gasoe Light.			
Orange LilyAd		•		
	dvertising for tenders		3	30
	Greenly Island.			
James Mowat Ex	stras on stone work		178	33
	GENERAL ACCOUNT.			
Chance Bros. & Co Po	olished plate Glass, £144 4s. 4d		701	85
]	Total		\$5,918	61
,	NEW BRUNSWICK.			
	Fluke Point.			
O. Bancroft Ex	n account of contract for building Light xpenses of inspecting Light	105 00 5 9 00 87 51	24 2	51
	Grand Manan (South West Head.)		212	01
S. Bancroft Ex E. Chanteloup Sil	Alance of contract for building Light	1,924 84 94 50 155 00 158 10 7 00	2,339	44
	Head Harbor Fog Alarm.			
Neptune Fog Horn Co Au	utomatic fog horn and machinery		1,850	00
	Negro Point Light.			
Moniteur Acadian Ad	dvertising for tenders		3	6 0
	Petit Roche,			
	dvertising for tendersrofessional services, drawing up deed, etc	3 50 13 20 15 00	31	70
	Restigouche Beacons.			
Peter Nadeau Ba	dvertising for tenders	4 20 4 00 159 98 10 00 40 00 215 10		
	Carried forward		433	

	,		
	Provide Communication	\$ cts.	\$ cts. 4,900 53
	Brought forward	••••••	4,900 33
M7:11iam W/hita	Richibucto Beacons.		85 00
William White	Balance of expenses inspecting Total	[[,	4,985 53
	Total		4,985 55
	NOVA SCOTIA.		
•	Brooklyn Pier Light.		
Liverpool Times	Advertising for tenders		3 50
	Harbor au Bouche,	ĺ	
Theakston & Angevin McCurdy, McMillan &	White lead and oil	32 00	
Co	HardwareGalvanized iron	7 54 3 24	
O. Chisholm	Paid on account of contract	35 60	
Wm. Kaulbach 3. O'Donoghue	Balance of contract	34 62 111 00	
I. Cochrane	Extra work digging drains	33 41	
E. Chauteloup	Yellow paint	1 90	
Morning Herald Co	Advertising for tenders	5 25	265 76
	Isle Haute.		200 10
Calvin Congwell	On account of contract	İ	60 00
out the object that the			00 11
	Little Narrows.		
Cape Breton Advocate	Advertising for tenders		
Dolonial Standard North Sydney Herald	do		- 01
			8 87
	Pease's Island.		
H. W. Johnston	To pay for land for site	250 00	
srael Chute	On account of contract	391 71	
E. Chanteloup	Iron work	180 80	
R. S. Hood	Inspecting expenses	290 52	
do	Removing oil-store	40 00	1,214 9
I	D. W. J. G. D. J. J. G. D.		
	Point Michaud, St. Esprit Island, C.B.		
Halifax Wesleyan do Daily Reporter	Advertising for tenders	4 80 j 3 72	
North Sydney Herald	do	5 50	
Christian Messenger Morning Herald Co	do	4 80 6 00	
Antigonish Casket	do	2 48	27 30
	Carried forward	l	1,580 35

•	Brought forward	\$ cts.	\$ cts. 1,580 35
	NOVA SCOTIA—Concluded.		
	Sheet Harbor Light.		
Routledge & Drake	On account of contract		3 4 0 45
	Sand Point Light.		
Christian Messenger Church Guardian Allan's Journal Morning Herald Co Maritime Journal Digby Publishing Co Liverpool Times Lunenburg Progress Western Chronicle	Advertising for tenders	4 56 2 56 2 50 3 40 10 50 3 10 2 56 3 20 1 50 3 20 1,150 00	1,186 08
	Three Top Island.		2,100 00
Morning Herald Co Thomas O'Neill	Advertising for tenders	2 25 4 50 1,097 00 81 90	1,185 65
E. Chanteloup	Wedge Island Light. Contract for building	1,683 00 175 00 108 10 65 00	2,031 10
P. Anderson	Advertising for tenders	3 72 2 56 24 46 714 64	745 38
	PRINCE EDWARD ISLAND.		7,069 01
Hugh Findlay	Brush Wharf, Orwell. To pay for land	80 00 8 50	88 50
	Cove Head.		20 00
E. Chanteloup	Glass, chimneys, etc		56 65
	Crapaud Light.	,	
TVUL DRII.	To pay for land	75 00 8 50 535 00	
	Carried forward	618 50	145 15

	Brought forward	\$ cts. 618 50	\$ cts. 145 15
	PRINCE EDWARD ISLAND Continued.		
·	Crapaud Light-Concluded.		
Tenry Mevers	Erecting board fence around Light Extra labour Cast iron lantern, chimneys, etc	47 72 8 00 620 17	1,294 39
	Indian Point Light.	}	
Richard Keefe	Advertising for tenders	2 45 2,475 50 232 00	2,709 95
	Murray Harbour.		•
A. Macdonald	Contract for building Filling outside of pier	1,055 00 3 06 100 00 5 60 19 00	1,182 <i>6</i> 0
	New London.		
Summerside Progress Charlottetown Progress.	Contract for building Range LightAdvertising for tenders	139 00 4 50 4 35 112 35	260 ²⁰
	St. Peter's Range Light.		
Georgetown Advertiser. Examiner Publishing Co. Island Argus	Advertising for tenders	1 00 1 45 1 25 1 50 1 50 2 25	8 9 6
	Souris Light.		
Charlottetown Herald Island Argus Georgetown Herald Presbyterian Jos. Tomlinson	do	2 32 2 45 1 40 3 63 2 25 5 00 400 00	417 0
	Tignish Range Light.		
Examiner Publishing Co Island ArgusPresbyterian Summerside Progress Guntary and Summerside Charlottetown Herald	dodo	1 40 1 25 1 50 1 50 1 00 2 25	g 9
			6,027

	Brought forward	\$ cts.	\$ cts. 6,027 19
	PRINCE EDWARD ISLAND-Concluded,		
	GENERAL ACCOUNT.		
W. Mitchell Sammerside Progress	To pay freight for new lantern	45 51 2 10	47 61
	Total	*********	6,074 80

RECAPITULATION.

Construction of Lights do do do do do do do do	above Montreal	204 91 1,879 14
	Queen's Printer	\$39,224 90
To	tal	\$39,250 24

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

APPENDIX No. 9.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Dominion Steamers for Fiscal Year ended 30th June, 1880.

	Steamer "Napoleon III."	\$ cts.	\$ cts
Capt. Despres	10 months salary as Captain	666 60	
Capt. A. Baguet	1 l do do June, 1880		
J. U. Gregory	Pay list of officers and crew	4,916 55	i
Capt. Despres	Paid for provisions and incidental expenses during	,	1
~	voyages	127 30	
Capt. Baquet	Paid for charts, etc	6 65	l
W. Barbour	Paid labour, coaling, repairs, etc	945 98	
T. Routier	Pay list of smiths, carpenters, etc	728 47	j
A I Turactta	Groceries, provisions, paint, oil, etc	480 99	l
Chinic Resudet & Co.	Hardware, white lead, etc	1,315 80 559 2 6	
G. T. Phillips	Brass and copper smiths' labour and materials	906 04	l
P. Vallière	Repairing and upholstering furniture	18 75	
R. Blakiston	Repairing and upholstering furniture	273 34	
French Manufactur'g Co.	Preserved meats	26 10	i
		147 08	l
G. Lamontagne	Milk	1 50	
O. E. Brunet	Medicines	27 77	!
O. Giguerre	Tinsmiths' account for labour and materials	138 51	1
P. Rouillard	Washing	122 00	j
J. Carrel	Subscription to Quebec Telegraph, \$4.00; advertizing, \$3.20		1
D. D	Uzing, \$3.20	7 20	
Names & Davies	Waste, \$228.82; dead lights, \$41.16	269 98	
Monghon & Doborty	Provisions, beef, etc	212 43	
S Peters	Lumber	136 63 84 06	
G. Martin & Co	Patent anchor	274 51	
D. D. O'Meara	Measuring steamer	4 00	
J. Williamson	Washing Pilotage 198 tons coal, \$1.90	17 50	
Mitchell Martin	Pilotage	60 00	
Acadia Coal Co	198 tons coal, \$1.90	376 20	
W. Lee	Making uniforms	9 50	
Montreal Telegraph Co	Messages	4 52	
C. Lortie	Water barrel	1 85	
Leon Arel	Meat	717 84	
Besserer & Deschaine	Polishing staff	2 50	
M. MCLEUghin	Cement, \$4.50; fish, \$38	42 50	
	Coal, 548 tons, at \$4.75—\$2,603, less duty \$307—	. 187 08	
Orawiord & Dons	\$2.296.00; 1 chaldron, \$6.50.00; 1½ chaldrons,		
	\$13.50—\$20.	2,316 00	
A. McCallum	Code book	5 00	
J. Marmen	Cartage	64 15	į
Allans, Rae & Co	Cartage	6 97	
J. B. Renaud & Co	Flour	72 58	
E. J. Charleton	20 chaldrons coal, \$6.00	120 00	
C. Dionne	Porpoise oil	90 00	
T D CA+6	Castor oil	84 76	
	Provisions	268 76	
Andet & Pobiteille	Lumber	4 00	
J Dunn	Rope, oakum and brushes	309 13	
C Sonne	Tailow and soap	81 32	
Dinning & O'Neill.	Lead	7 50 9 10	i
		3 10	
	Carried forward	17,337 93	

i	1	- 1	_
· i		\$ cts.	\$ cts.
	Brought forward	17,337 93	
		1	
	Steamer "Napolean III."—Concluded.	į	
T 11			
Halifax Coal Co	Coal, 284 tons, at \$1.80	511 20	
Sisters of Charity	Making shirts	8 59	
Queen's Wharf	Moorage and storage	200 00	
¿ Eden	Moorage and storage	120 50	
Coussant et frères	Soda and cheese	10 84	
4. B. Derners	Flour	49 50	
J. J. Fox	Landing coals Wintering, \$70.00; cutting ice, \$7.00 Towels and blankets, \$20 55; oil cloth, etc., \$89.61	37 20	
H. Dinning & Co	Wintering, \$70.00; cutting ice, \$7.00	77 90	
J. Hamel et frères	Towels and blankets, \$20.55; oil cloth, etc., \$89.61	110 16	
Dawson & Co	Stationery	11 85	
W Carrier	Codfish	9 50	
J. Shoo & Rros	Provisions, butter, etc	797 48	
Tandiff	Spars		
F Lafamma	Bread.	5 00	
J Williamann	Watching	282 20	
P Standard	watening	109 20	
P. Stephens.	do	27 00	
F. Drescoiselles	do	89 60	
N m Bussierre	Peas	6 90	
Turcot	Rockets	30 00	
S. J. Shaw & Co	Rubber.		
Sedard	Piping and repairs	38 70	
ino. Lynch	Patent log	12 00	
Sullivan	Paint, brushes, etc.	24 50	
8. Murcotte	Advertizing in L'Evénement	2 56	
W. J. Meneilley	Travelling expenses	55 65	
Sun Publishing Co	Advertising	3 20	
Mazette Printing Co	do	3 20	
Le Canadien	do	12 90	
Vuotidien	do	2 16	
J. U. Gregory.	Travelling expenses	41 00	
J. Cunningham	Repairing sails	28 00	
Mrs. Thos. Murphy	do flags	5 00	
J. C. Hopper	Advertising.	3 20	
Nouveau Monde	do		
The Shareholder	do	3 20	
Conrrier du Canada	do	3 10	
J. Doluk	Des list of Smiths and application of the second	3 20	
P Topla.	Pay-list of Smiths, etc., repairing, etc., machinery	530 71	
- Fradette	Repairing boiler, taking out and putting in tubes,		
d 7	etc	965 53	
C Leblanc.	Smith's wages	40 60	
D. Koss	Smith's wages Boiler plates	93 06	
*• Derrioan	Hilestiro show	40 00 1	
V. Nameon	IKniler nietes	ା ମଣ୍ଡହା	
*• W. Henshaw	1824 tong coal at \$1.90	15675 (
Y. D. Hardle	liron, houser histes, etc	183 26	
98. Kohartson	Paint	1 88	
' Uandle	'l'owage to (lucen's wharf	10 00	
		105 55	
W. Holmes	i Washing	1 750	
- 7488et Krog	Renairs to frame hardware atc	1,052 71	
		5 79	
		5 00	
Chanteloup	Waste		
E. Girour et franc	Medicines. Advertising	10 75	
Halifer Harold Co	Admontising	18 75	
W. A Chiese	104 tons and at #2 00 #446 40 long duty #07 20	6 00	
A. H. Grimth	124 tons coal, at \$5.60, \$440.40, less duty \$87.50	359 10	
aurpny	ilioz chinarons comi, ne worse, weerive, eve tomb, as	1	
G T	\$4.70, \$1,420.00	2,316 00	
D. Lamontagne	Repairing clocks	4 50	
A. W.	Repairing clocks Labour, coaling. Stove polish	9 15	
· W. Glassford	Stove polish.	7 10	
	1	ļ	26,996 56
		į i	
	I	1	

		\$	cts.	\$	cts.
	Steamer "Druid."				
Capt. Marmen	12 months salary as Captain \$980 00				
do		-1		l l	
J. U. Gregory	do pay list of officers and men	1,000 4,95			
	Expenses during voyages, provisions, vegetables, etc		5 07		
Chinic, Beaudet & Co	Hardware, iron plates, packing, paint, etc		l 41		
C T Phillips	Provisions, meat, etc		5 14 3 19		
P. Vallière	Furniture, bedding, etc		3 58		
R. Blakiston	Canvas, cotten duck, deck awning, etc		2 45		
D. Langlois	Milk	9	9 53		
	Pay list of carpenters, smiths, etc., repairing and outfitting	78	1 62		
G. Lamontagne	Repairing clock		1 50		
J. B. Renaud & Co	Flour		1 50	t t	
M. E. Fitzhenry	Washing and repairing.		5 16		
J. A. Langlois	Candles		2 30 5 92	1	
T. Droin	Butter		5 28	İ	
	Washing	15	0 00	1	
J. Sullivan	Brass yoke for boat, \$8.00; whistle, head lights, etc., \$108.50	11	6 50	!	
	Vegetables		5 26	j	
G. Hall & Co	Groceries, etc., \$46.66; provisions, \$76.78		3 44		
D. Davidson	Dead lights 49½ tons coal, \$1.90		1 17 4 05	l	
F. M. Dechène	11 shirts, \$1.75		9 25		
Dinning & O'Neill	Flag	1	8 00		
J. Marmen	FlagCartage, etcTinsmiths' repairs, etc		6 15		
E. Giroux et frères	Medicines		337 805		
W. Crawford & Sons	Coal. 961871 tons. at \$5.50—\$532.60: 2 ehaldrons.	_	• ••		
	\$6.50, \$13.00 : 2 chaldrons, \$8.00, \$16.00—\$29;	*0	H PP	1	
J H Chaloner	cement, \$34; fire brick, \$1.95—\$35.95 Lumber		7 55 9 21	l	
A. Watters	Groceries.		0 27	Ì	
Besserer & Dechaine	Polishing material		2 50		
	Fish Biscuits, \$48; butter, \$6.93; provisions, \$77.05		$\begin{array}{c} 1 & 82 \\ 1 & 98 \end{array}$	1	
P. Bélanger	Pilotage		0 00		
Allans, Rae & Co	Freight		0 48	1	
V. Dionne	Porpoise oil Labour at oil Lab		0 00	l	
Gibb. Laird & Co	Castor oil		1 47	,	
J. B. Côté & Co	Provisions		3 95	1	
E. Chanteloup	Altering cooking range, \$20; cotton waste, \$22.32		2 32		
Audet & Robitaille	Groceries, paint, olive oil, etc.		2 13 7 62	1	
J. Dunn	Tallow and soap		9 36	1	
C. Sonne	Flag		7 50	ì	
Sisters of Charity	283 tons coal, \$1.80	50	9 40 7 9 2	ĺ	
Queen's Wharf	Moorage and storage	20	0 00		
B. Leonard	Paint	_	3 20	ļ	
Trussant et frères	Fish Soda and cheese		0 00 6 84		
L. B. Deniers	Flour		1 00	1	
M. McLaughlin	Fish	3	0 30	1	
J. Blais	Wintering.	-	0 00	1	
Dawson & Co	Carpeting, \$68.88; shirts, \$13.00		1 88 4 56		
W. Carrier	Fish		4 75		
L. Poulin	Groceries	5	1 19	1	
F. Laflamme	Spars		2 50 2 80		
_ ·	1				
	Carried forward	14,42	4 95	ı	
	112				

	Provide Community	\$ cts.	\$	cts.
	Brought forward	14,424 95		
	Steamer "Druid"-Continued.			
C. Samson	Brass, iron and plates	176 62		
W. Barbour	Paid labour of smiths, boilermakers and engineers Watching	2,654 16		
G. Bussierre	Flour and peas	27 00 11 45		
Dionne	Watching	100 00		
H. Dinning & Co	Freight on iron plates	20 30 413 58		
W. & F. P. Carrier & Co.	Iron plates and repairs	498 49		
40g. Robertson & Co	Rockets	50 20 18 00		
J. L. Dionne	Watching Tools and padlock	60 80		
8. J. Shaw & Co	Tools and padlock	16 65		
Peters	Gra'e Lumber	4 00 89 51		
12y. Hicks	Repairs to boiler	137 77		
A. W Glassford	Sawing and planing	3 17		
Renaud & Co	Lamps and chimneys	274 80 83 40		
Forrest & Co	Lamps and chimneys	44.00		
G. Glassford	Boiler tubes	100 00 111 30		
. D. Lamore	Osaling	10 50		
Corporation of Pilots	Clearing snow Percentage on Capt. Marmen's salary, 1st May, '80	40 00		
Desgagne	if reight to GovGeneral's house at Paspehiac	40 00 196 00	,	
Gore	Cement	5 70		
J. Foote	Pilotage	75 00 6 00		
". U. Gregory	Travellingernenses	4 00		
SISSPI Kros	1Punchag and diag	5 60		
B. Leonard	Castings Painting	25 32 147 90		
		22 00		
· ····································	Subscription to L'Evenement	3 00 5 00		
		359 10		
Taucher	Caulking	9 00		
	1 41 401 95	1,845 25		
G. T. Davie	Docking	202 85		
			22,32	2 37
~	Steamer " Newfield."			
a. W. Johnston	Wages of officers and crew, from 1st July, 1879, to			
Fred Mever	30th June, 1880, as per monthly pay lists Provisions	8,299 13 299 56	l	
Creighton & Marshall	Stationery and charts			
Buzzell & Files	1171.7-	772 72		
Henry Cook	Provisions	50 68 127 20		
R. Jennett & Co	Crockery ware	36 39		
0. Stevens	Oil	89 12 6 00		
J. Glendinning	Coal	21 00		
Moin of the	OTOCAL GALLETON	23 34	į.	
W. S. O.	~	159 02 1,353 42	1	
Oranth Co. L. 1'co d co	The state of the s	0. 0.		
W. Cotter A C		10 59 122 52	ł	
of John Division	. 2 . 2 . 101040	15 00		
G. Williams	Pilotage.	# 90		
	Triangles and fittings	20 00		
	Carried forward	14,469 43	L	
11_9	113			

	Brought forward;	\$ cts. 11,469 43	\$	cts.
	Steamer "Newfield"—Continued.			
D. Driscoll	Water	28 70 20 79		
· Alfred Vail	Provisions	35 74		
Lordly & Stimpson	Oars and sparsProvisions	68 70 1,859 93		
P. Beazlev & Co	F18h	41 26		
J. Parker	Reef	538 20		
Griffin & Morris	Blacksmith work	103 65 392 18		
R. Baxter	Bedding chairs etc	69 15		
Maurice Downey	Painting	221 45		
do	Key for do	1,120 00 6 00		
do	Packing do	95 25		
J. P. Mott & Co	Soap, soda, tallow, etc	38 47		
Chebucto Marine R. R. Co	Slip hire	721 88		
J U. Gregory	Quebec	186 68		
	Ferriages to and from Dartmouth	10 60		
J W. Gordon	Cement, sheet lead, etc	8 67 2 9 45		
Halifax Co. (Limited)	106 tons coal, at \$1.80		l	
W. Stairs, Son & Morrow	Rope, metal, etc	159 28		
	Condenser ferules.	4 25 4 00		
	Telegraph index			
Edward O'Bryan	Sundry disbursements during voyages	22 72		
G. T. Phillips	Plumbing.	8 54 1 406 79		
White & Simmonds	Making and repairing sails, flags, etc	79 20		
Macdonald & Co	Machinists' supplies and repairs	747 43	1	
D. O'Donnell	Labour coppering rails	20 90	!	
Adam Moth	Iron chain, cotton waste, etc	5 30	1	
James Morton	.l Repairing boiler	1 46 50	Ì	
Gordon & Keith	Oil cloth and table cover	25 00	I 1	
R. H. Cogswell	Rating chronometer and repairing sextant	14 75	}	
Ellen Horne	. Oars	14 04	1	
A. McDonald	Survey and report on boiler	5 00		
M. F. Eagar	Medicines	23 93 2 85	l	
M. Phelan	Labour coaling	3 00	1	
S. Cunard & Co	. Paint, freight, lumber, etc	129 97	1	
John Sheridan	Rope, ice chest etc	57 49 25 00	1	
A. F. Salter	13 tons coal. \$18.00; cartage, \$2.00	20 00		
W. S. Quigley	Repairing coal bags	6 54	ĺ	
R. A. Guildford	Pitch-pine planks	100 00		
J. Findlay	Carpenters work repairing boats	42 00	}	
John Patterson	Donkey hoiler	. 482.50		
C. F. Mott	Making recess for donkey boiler	. 198 72 9 57		
T. & E. Kenny	iOil cloth, bedding, etc	37 37	1	
Black Bros. & Co	Paints, oil, etc	317 35	i	
Wm. Smith	Crockéry ware Steam gauge	. 63 54 . 15 00	1	
J. S. Nieforth	Iron work	. 8 34		
A. & W. McKinlay	Stationery	.1 13 83		
Mackintosh & McInnes.	D. Brass nails Lumber	.] 8 11		
W. Roche, jun	41 tons coal, at \$3.25	. 133 25		
J. Hogan & Sons	Lumber	. 4 17		
	Carried forward	20,834 94		
	114		•	

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

	Brought forward	\$ cts. 20,834 94	\$ cts
	Steamer "Newfield"—Concluded.	ĺ	
C. Fraser	Labour coaling	28 07 803 00 62 52	
	Steamer "Glendon."		21.738 53
H W Johnston	Wages of officers and crew, from 1st July, 1879, to		
Gordon & Keith, R. H. Cogswell W. Stairs, Son & Morrow Austin Bros F. C. Stevens Moir, Son & Co M. Phelan J. Jodry D. M. Browne Peter Judge W. S. Symonds & Co Fred. Meyer J. Parker J. Parker J. Parker J. H. Killam Acadia Coal Co James Scott W. Petitpas G. Flowers & Son Richard Abbott Irish & Smith Griffin & Morris James Shand Burrell, Johnson & Co W. N. Wickwire J. P. Mott & Co J. R. Jennette & Co R. A. LeCain A. M. Wrayton White & Simmonds Macdonald & Co E. F. Clements Lawson, Harrington & Co Adam Makov	30th June, 1880, as per monthly pay lists	4,338 40 40 48 1 50 8 50 117 82 62 08 6 00 122 66 57 33 38 00 227 03 81 20 296 35 196 13 380 64 23 63 45 60 44 07 810 68 923 08 17 78 3 00 42 02 376 75 144 50 48 70 48 70 11 55 12 45 532 22 40 00 11 55 532 00	
Theakston & Angevin R. Baxter W. & J. Glendinning Mackintosh & McInnes	Cotton waste, red and white lead, etc	128 25 21 92 3 00 18 80 3 45	
Wm. Roche, jun Chebucto Marine R.R. Co J. A. Matheson	Oars Oars Stons coal, \$18.00; cartage, \$2.00 Anchor and davits Dockage Repairs, caulking, etc. Coaling 32½ tons coal, \$3.50 Ship hire Cabin furniture. Painting	112 88 129 15	
	Copper paint	60 00 183 95	
	Carried forward		

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

	Brought forward	\$ cts. 10,655 58	\$ ct
	Steamer "Glendon"-Concluded.		
Brookfield Bros	Lumber and cement	3 74	
ordly & Stimpson	Provisions	123 72	
ames Naas.	do Blacksmith work	12 65	
S. Nieforth	Blacksmith work	26 07	
a. Write & Co	Dockage	4 35	10,836
	Steamer "Northern Light."	. —"	
lant Finlayson	12 months salary as Captain	900 00	
William Mitchell		5,161 29	
	Travelling expenses and sundry disbursements	25 45	
W. Crabbe	Olive oil, cotton waste, sheet rubber, packing, etc.	512 34	
IcKinnon & McClean	Machinists' labour and materials, boiler tubes,	012 01	
	hardware, etc	900 78	
acronaia & Westaway	Freight and storage of coal, \$112.85; provisions, labour and oil, \$970 02	1 000 07	
Chomes Williams	Freight on 2 hawsers, \$4.55; labour, \$27.34.	1,082 87	
Simpson	Vegetables, provisions, etc	57 48	
	Provisions	6 00	
	Beef and vegetables	185 64	
ames Purcell	Caulking	53 00	
lary McLellan	Caulking	10 80	
barles Owen	Rent of warehouse, Georgetown, \$100.00; shipping		
	seamen, \$12 00	112 00	
rish & Smith	Compass	4 00	
Irs. Cahill	Washing	6 00	
CEachern & Co	'Groceries, etc	20 00	
Mexander Strong	Wharfage, freight and labour on coal	402 80	
'remaine & Metcalf	Cocoa matting	13 42	
A. & W. BLOMD	Oil cloth and mat		
do Lavies	On account of coal, provisions, etc	1,500 00	
	ing shipping of mails, etc	155 64	
Chomas Folev	Water casks.	7 50	
G. Lawson	Advertising daily trips in Presbuterian	15 60	
ohn J. Davies	Advertising daily trips in Presbyterian Boarding Capt. Finlayson, 322 weeks, \$5.00	161 44	
Jarvell Bros	Provisions	284 98	
Acadia Coal Co	1385 tons coal, \$2.00	770 00	
ames Turner	Boarding Chief Engineer, 25 weeks, \$4.00	100 00	
Milton Welsh	Repairing boats	20 50	
J. F. Harris	Iron piping, hardware and repairs	37 40	
ohn Laurie	2,150 gallons water, at 41cts	8 81	
ohn Quirk	Flour, bread, etc		
homas Murphy	Cartage	3 25	
onn Newson	Chairs, mattrasses, etc		
lourke from & Co	Dominion flag, oakum, rosin, paint, etc Olive oil, packing, hardware, etc	249 46	
D Hobbs	Doof monatables atc	530 14	
P Onirk & Co	Beef, vegetables, etc	605 92	
Flynn	Conveying passengers and freight	78 00 179 74	
os. Wightman	Hanling coal	22 00	
ohn Caven	Hauling coal	5 25	
L.A. Telegrann Co	l'l'elegrams	13 11	
ichard Jenking	Provisions and cartage	17 47	
l. W. Mutch	Services as acting Captain	25 00	
. Gordon	Crockery	18 29	
nne Pendergrass	Washing Oil cans and repairs	17 55	
. Stevenson	Oil cans and repairs	1 25	
	Steamer "Sir James Douglas."		14, 429
	12 months solome on Contain	3 200 00	
	12 months salary as Captain	1,399 92	
obn Devereux	d		
Revely	do wages of officers and crew	4,650 55	
Revely	do wages of efficers and crew	4,650 55 6,050 47	

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

	Brought forward	\$ cts. 6,050 47	\$	cts.
	Steamer "Sir James Douglas"—Concluded.	9,500 11		
Cameron & Ross	Provisions, as per contract, from 1st July, 1879, to	1 212 40		
J. Fell & Co	lst April, 1880	1,313 40 318 44		
John Devereux	l case coal oil	4 25		
J. Sehl	provisions	97 00 13 75		
4. Pilcher	314 tons coal, \$4.50	1,413 00 3 50 8 61		
S. Sea	Provisions	72 00 145 07		
wiedernoid & Co	Cord Brewood	21 50 4 50		
San Chung P. McOuade & Son	Charts, stationery, etc	19 87 27 00 430 08		
Muirhead & Mann	Washing	3 97 51 32		
		240 13		
Cavin & Dalton	Survey and report on machinery Hauling out, use of ways and repairs 2 months supply of water	10 00 1 311 00 30 00		
G. Stelly	Hauling contract for hauling, etc	10 00 5 00		
J. H. Todd	do do Coal oil	5 00 4 00 106 49		
Show & Vonne	Now short and renairs to machiners	214 75		
Victoria Standard	Tinware and repairs to lamps	8 75 5 00		
	do on condenser	8 00 13 75 4 50		
	Stove fittings	4 50 9 50		
		240 00 10 75 13 85		
Brown & White Central Coal yard	Towels	5 00 30 00		
		11,442 25		
H.M. Str. "Rocket"	Refunds:— 10½ tons coal, \$10.00			
Unston House	\$9,00			
do	do 6.00			
Public Works Departm't	Amounts received for services laying Telegraph Cable			
•		1,708 91	9.73	3 34

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

RECAPITULATION.

Steemer	of Nanoleon 2rd "	@ 26 006	E C
Dreamer	"Napoleon 3rd"	\$26,996 22,322	27
do	"Newfield"	21,738	
do	"Glendon"	10,836	11
do	"Northern Light"	14 429	52
do	"Northern Light"" Sir James Douglas"	9,733	34
		106,056	43
Queen's	Printer-Stationery and printing	13	49
		\$106,069	92

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON, Accountant.

APPENDIX No. 10.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure in connection with Examination of Masters and Mates, for the Fiscal Year ended 30th June, 1880.

					_
		_			
		\$	cts.	\$	cts.
lant P A Scott	12 months salary as Chairman of Board\$1,764 00		ı		
Receiver-General	do superannuation tax		•		
		1,800	00		
	Arrears of salary for June, 1879	147	7 00 j		
	12 months travelling expenses		3 77		
	Arrears of do	4]	67		
D. M. Browne	2 months (July and August, 1879) salary		i		
D	as Clerk \$147 00		1		
seceiver-General	2 months superannuation tax 3 00	15/			
E. M. Tallach	Salary as Clerk, from 1st February to	190	00		
a. a. ialiacu	30th June, 1880		i		
Receiver-General	Superannuation on May and June salaries 0 84		- 1		
*CCGIVET-CICHCIAI	Dupotamanawan on may und y une sainties of or	141	66		
leo. A. Mackenzie	Examination fees		00		
David Hunter		108	3 00		
Henry Lewis	do	88	3 00		
hos. Killam	do		2 00		
oderick Cameron	do		00		
W. Thomas	do		1 00		
os. Pritchard			1 00 1		
E. D. Ashe			1 00		
C. De Ville	do Cleaning Board room	_	2 25		
	Stationery		02 1		
	Printing examination papers		1 00		
	Stationery		43		
C. C. Morton	Almanacs, magazines, binding, etc	_	9 80		
	Postage stamps, etc		9 25		
	Washing office towels		5 00 j		
nter. Steam Lith. Co	Coast line plans		2 00		
F. E. Wilmot	Rent of Board room	3	00 0		
4. A. McMillan	Stationery	'	7 58		
British American Bank			- 1		
Note Co	Plate for and printing certificates on paper and	• • •	- 0.		
	parchment	19	5 34		
		4.00	0.77		
Oneon's Drinton	Stationery and printing	4,23	3 66		
THEOLIS FILLEFARMS	pranoucly and printing	<u> </u>	5 00	4,253	43
	j				
	Fees received from candidates for examination			1,54	7 00
				-1	
-	•				

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

To the Thirteenth 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, 1880.

)	ì	
1		S cts.	S cts.
1		Ψ 0.5.	•
S. Risley	12 months salary as Chairman of Board\$1,764 00		
do	do superannuation tax 36 00	1	
		1,800 00	
W. M. Smith	12 months salary as Deputy Chairman of	′ 1	
	Board and Inspector of N.B.	1	
1	and N.S \$1,372 00	1	•
do	do superannuation tax 28 00	1	
		1,400 00	
W. J. Meneilley	12 months salary as Inspector, Toronto \$1,176 00	i i	
do	do superannuation tax 24 00		
		1,200 00	
John Burgess	12 months salary as Inspector, Montreal.\$1,176 00	i	
do	do superannuation tax 24 00]		
		1,200 00	
F. X. Befort	12 months salary as Inspector, Three	1	
	Rivers \$980 00	1	
do	do superannuation tax 20 00		
		1,000 00	
	12 months salary as Inspector, Quebec \$980 00	1	
do	do superannuation tax 20 00 (
		1,000 00	
	12 months salary as Inspector, Kingston \$980 00	1	
do	do superannuation tax 20 00		
en 177 - 1	10 Duisieh Columbia	1,000 00	
	12 months salary as Inspector, British Columbia	746 25 75 00	
E. R. Abell	9 do do Manitoba		
Dr Bisiny warmer	do do	570 20 591 22	
W. M. Smith	do do	175 49	
Jno. Burgess	do do	144 75	
F. X. Befort	1 do do	64 46	
Jos. Samson	, ,	34 96	
Jos. Taylor	,	156 96	
T. Westgarth	1	184 02	
E. R. Abell	do do	77 17	
Harbour Commissioners	1	•• ••	
Montrea!	Rent of Inspector's Office, from 1st May, 1879, to		
	1st May, 1880	250 00	
T. A. Lockington	2 paper cases	32 00	
Harrison & Burbridge	Professional services re Str. "Neptune"	35 20	
Rolph, Smith & Co	1,050 Engineers' cert ficates	31 50	
Queen's Printer	Stationery and printing	85 25	
•	1		
	Total		11,854 34
	Inspection dues collected by Customs Department.	12,762 02	;
	Fees from Examination of Engineers, collected by	,	l
	Chairman of Inspection Board and paid to the		l
	credit of Receiver-General	2,662 00	
			15,424 02
	1	}	·

WM. SMITH,
Deputy Minister of Marine and Fisheries

JOHN TILTON,
Accountant

To the Thirteenth 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, 1880.

					_
		\$	cts.	`\$	cts.
Crown Agents, London	1 year's subscription to Bureau Veritas Freight and charges on 3 cases of forms, £3 1s. 8d. Stationery, printing, forms, etc	15	10 00 65		
			_	257	7 75

WM. SMITH,

Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Investigations into Wrecks and Casualties, for the Fiscal Year ended 30th June, 1880.

		\$	cts.	\$	ets
G. O'Brien	Reporting wrecks, 33 at \$2.00	66	00		
I. A. Hood	do 45 " 2.00	90	00 1		
ames Barber	do 81 " 2.00		00		
J. Fox	do 5 " 2.09	10	00		
. Collins	do 13 " 2.00		00		
ames Ross	do 4 " 2.00		00		
R. Benoit	do 10 " 2.00	20	00		
. Fergnson	do 20 " 2.00	40	00		
Russell	Reporting examination re "Gondalier," 98 folios at		l		
			40		
Robertson	30 cents	1 7	00		
as. D. Dixon	Furnishing returns schooner "Mars Hill"	l a	00 1		
Vm. Smith	Travelling expenses in connection with stranding	1	1		
	of Str. "Quebec" at Prince Edward Island in	1	1		
l l	1879		80		
Arthur Chisholm	do do	24	33		
A. R. Beaton	do do as witness.	70	95		
	Going from Souris to East Point for Light-keeper.		50		
	Hire of 2 men in restranding of schr. "Sybilla.".		00		
	Expenses getting information of w.ecked schooners				
, 2 , 2 , 12 , 2 , 3 , 3 , 3 , 3 , 3 , 3 , 3 , 3 ,	"Jane McKay," "Volunteer" & "Blue Wave."	1 8	3 00 l		
I. B. Ruggles	Furnishing wreck report te "Pronto"		2 00		
D Tremaine	Reporting stranding of "Phaselus"	i i	00		
neen's Printer	Printing and stationery	1:	3 75		
£2002 P 1 112101					
	Total	1		60	6 7

WM. SMITH,

Deputy Minister of Marine and Fisheries-

JOHN TILTON,

Accountant

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Rewards for Saving Life, purchase, etc., of Lifeboats, for the Fiscal Year ended 30th June, 1880.

		\$	cts.	\$	cts.
ohn Leslie	Binocular glasses, watches, chains, etc	1,625	09		
leorge Cox	Engraving inscriptions	126	16		
. Tinning	Engraving inscriptions	75	00 j		
. C. Wilson	Services rescuing crew of ex schooner "Samaria."	8	00		
ohn D. Morgan	do do l	8	00		
apt. R. Mossip	. do do	8	00		
. McCaverty	do do	8	00		
łeo. O'Neill	. do do l	8	00		
Tolton	do do i	8	00 i		
ohn Kelly		8	00		
eo. Stone	do do		00		
. Mahaffy	do ão l	8	00		
H. Rugwist			00		
ohn Johnston	do do		00		
• Wilson			00 i		
Jacobson		20	00		
m. Watts			00 1		
. Watts			00		
. Doherty		5	00		
. Clark	do do		00		
ohn Foley	do do i	_	00		
. Malcolm	do do		00		
W. Johnston	To pay expenses of efforts made to reach wreck of	·	00		
	steamer "Para"	14	00		
mperial Board of Trade	2 414 1111. 11111		00		
London	To pay expenses saving crew of "Orlando" by		- 1		
	crew of "Dinsberg"	96	50		
do	1975 P		46		
4.	h-1-489		81		
ā -	10 hash ((C-1-44-1)				
4-	do a of crew ex bark "Lindua Duikia"		13		
do	do be of crew ex park Diffdig Darkis	73	00	2,26	. 15

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant

To the Thirteenth 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, 1880.

	Quebro.	\$ cts.	s cts.
	Connec.	Ψ 003.	• •
B. Trudel	12 months salary as Chief of Police and		
do	Shipping Master		
do	do superanduation tax	1,200 00	
Wm. Miller	do salary as Clerk to Chief of	.,	
a	Police and Shipping Master. \$980 00		
do	do superannuation tax 20 00	1,000 00	
J. U. Gregory	Pay-list of men	11,841 84	
do	do for good conduct, 7,451 days, at 20c	1,490 20	
T. Routier	do repairs to store and outfitting steamer	118 19	
Geo Riccet	Turning pieton rod arlinder holts ato for stomer	12 25 70 30	
Carrier, Laine & Co	Joiners' repairs, 7 days, at \$1.75	9 45	
J. Cunningham	Repairs to boats	203 00	
J. McTaggart	Brass and iron repairs	14 60	
C. Vezina	Repairs to clock do to machinery of steamer	1 25 61 25	
G. T. Phillips	Brass and copper smiths' repairs on steamer	134 59	
J. Hamel et frères	Cloth, serge for clothing, red flannel, etc	1,430 75	
Foley & Co	Overcoats, making clothing, trimmings, etc	924 25	
B Trndel	Allowance for uniform	107 30 50 00	
do	Paid for 42 pairs boots, \$3.00-\$126.00; 1 pair, \$5.	131 00	
J. Cunningham	Making 180 shirts, 25 cts	45 00	
A I Turcotte	Paints and oil	65 35 268 65	
W. Crawford & Sons	Coals, 15 chaldrons, \$6, \$90; 35 chaldrons, \$6.50,	200 00	1
	\$227.50; 3 tons, \$6.75, \$20.25—\$337.75; cart-		
Cibin & Co	age, etc., \$9.00	346 75	
S. J. Shew & Co.	Coals	55 00 459 66	
Chinic, Beaudet & Co	Iron, paint, ete	118 74	
C. Samson	Iron and steel	4 39	
Fullerton & Alexander	Lumberdo	113 14	
	Blocks	5 72 17 66	Ì
S. Peters	Lumber	176 40	
H. Dinning & Co	Oak and knees	29 72	1
Andet & Robiteille	Caulking	9 00	
L. Arel	Tallow	144 72 28 80	
P. Vallière	Chairs	13 50	ļ
Casey & Co	Loan of chairs	7 25)
Gibb. Laird & Co	Porpoise oil	68 40 21 06	
J. Dunn	Tallow and soap	65 06	1
O. Giguerre	Tallow and soap	52 15	ì
J. Sullivan	Rope and brushes	44 75	l
F. O. Vallerand	Lamps	8 74 4 40	i
E. Joint	Racket brace	2 50	1
P. Lemieux	Boat-hook handles	3 30	}
F. H. Thompson	Lanterns	10 00	l
	Carried forward	20,990 03	1
	124	20,000 00	

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

	Brought forward	\$ cts. 20,990 03	\$ cts.
	QUEBEC—Concluded.	į	
Dawson & Co. Queen's Wharf T. Berrigan A. Grant J. Kelly John Crean J. Blais L. L' Heureux O. L. Richardson H. Black E. Doyle M. Nolan J. Gandle L. Arel Quebec Morning Chronicle Quebec Mercury J. Blais A. B. Chevrier	Stationery do Rent	33 25 4 05 125 00 418 00 69 10 35 02 5 60 20 00 49 50 6 75 13 83 10 25 8 00 7 00 4 00 4 00 3 50 3 00 3 00 3 50 3 00	
B. Trudel	Paid for waggon hire, telegrams, wood, etc	210 00 53 35	22,094 48
Receiver-General. George Murphy. H. S. A. Ormond. do J. Wilson R. Sandiland H. D. Whitney. L. H. Renault. New City Gas Co. J. M. O'Laughlin. H. & A. Allan. E. Chanteloup. McGibbon & Baird. Montreal Gazette Co. J. Brown & Bro. Dr. A. L. Smith. G. & J. Esplin. John Fox. Thos. Bonville. J. L. Carson. Montreal Herald Co. J. Thibeault. F. Breunan & Co. S. Carsley. T. J. Claxton & Co. A. Maddox. Montreal Post Office. J. Eveleigh & Co. Montreal Post Office. J. Eveleigh & Co. D. Rivers	do salary as Chief cf Police, 366 dys., at \$3 Pay list of men, from 1st July, 79, to 30th June, '80 do for good conduct, 3,490 days, at 20c.	17 71 28 30 1 49 25 80 8 25 9 50 3 79 29 00 1 86 2 00 12 00 1 00 2 00 6 06 7 50 4 25 24 19 2 00 7 50 6 00 4 00 2 50 3 50	

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

	Brought forward	\$ cts. 12,541 92	\$	cts
	Montreal—Concluded.			
J. D. L. Ambrose	Tinsmiths' and plumbers' repairs Plaster, soap, etc Repairing clock Inspecting clothing Directories, binding, etc Lime juice Tumblers 54 pairs tweed pants 28 tunics 60 pairs shoes 12 waist belts India rubber coats, blue coating, serge, etc 27 overcoats, \$15.00 1 copy of Gray's Confederation Paid for removal of prisoners, meals, cleaning	10 80 4 50 2 25 213 30 338 80 186 00 24 00 492 78 405 00		
	station, repairing flag, repairing uniforms and sundry disbursements			
Queen's Printer	Stationery and printing	6 00		
do		14,785 86 1,654 80	13,131	. 06
	Total expenditure—Quebec do Montreal	22,094 48 13,131 06	35,225	54
·	Receipts at Port of Quebec do	14,118 21 7,391 94	21,510	
	Excess of expenditure over receipts		13,715	39

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

To the Thirteenth 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, 1880.

To the Honorable

The Minister of Marine and Fisheries, Ottawa.

SIR,-The Trustees of the Marine and Immigrant hospital of Quebec have the honor of submitting their report for the fiscal year 1879-80, 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 977 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, 1879	91 886
•	
Total	977
Patients discharged Died in hospital Patients remaining on 30th June, 1880	802 47
Patients remaining on 30th June, 1880	128
Total	977

If we take into consideration the considerable number of accidents, almost of daily occurrence, on board vessels frequenting our port, the figure of mortality, 4.8 per cent., will seem very low, and will give an idea of the excellent hygienic condi-

tions of the hospital.

The total number of days' attendance in hospital was 25,794, and the average of 26 or thereabouts. With reference to the average attendance, which differs little from that of the preceding years, the Trustees would, this year again, have you notice that many of the patients treated, have long convalescences, the result of serious accidents, and that each fall at the close of navigation there remains in the hospital a certain number of individuals whose state of health will not allow of their being discharged, and who must be kept all winter.

As to the total number of days' attendance, there is this year an overplus of 3,701 days compared with last year. This fact, joined to the costly repairs which have been made, may explain why there remains on the 30th June an amount of \$900

or thereabouts of accounts to liquidate.

The Trustees regret that they cannot this year acknowledge a diminution in the general expenses of the hospital, notwithstanding they have exercised all necessary control, and have limited themselves to the strict necessaries consistent with the relief or comfort of patients.

All of which is respectfully submitted.

P. WELLS, M.D.,

Secretary.

Marine Hospital, Quebec, 7th October, 1880.

To the Thirteenth 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, 1880.

		•		•	-4-
_		\$	cts.	¥	cts
J. A. Sewell, M.D	12 mos. salary as Chairman of Commissioners., to		ĺ		
0.5	30th June, 1880	400	00		
O. Robitaille, M.D	do Commissioner, to 30th June,'80	200	00 :		
P. Wells, M.D	do Secretary-Treasurer do		00		
J. E. Landry, M.D	do Visiting Physician, to 31 Mar., '80.		00		
A. Rowand, M.D	do do do		00		
C. Lemieux, M.D	do do do do		00		
L. Catellier, M.D	do Resident Physiciando Matron		92		
S. Mossman	for Watchmen, Nurses, Cooks, Housemaids and	300	00		
- ay 111818	other servents	0.004	05		
S. Mossman	other servants	2,084			
Rev I P Serton	Allowance as Chaplain, 12 months	1,004	00		
Rev. M. M. Fothergill	do do		00		
L. Lessard	Firewood, carting and piling		83		
O. Gravel	Cutting, etc., 258 cords firewood, 60c		80		
Quebec Gas Co	Gas		80		
Imperial Fire Ins. Co	Gas Premium on \$12,000, from 2nd July, 1879, to 2nd	0.12	00		
_	July, 1880	97	50		
Royal Insurance Co	Premium on \$8,000—\$50; on \$6,000—\$60	110	00		
Royal Canadian Co	do on \$19,000		50		
Quebec Corporation	Water tax	800	00 i		
Kyan & Kereghan	Plumbers' work	193	78		
K. McLeod	Drugs	38	38		
as. McCorkell	Bread	922	03		
McNaughton & Co	Coals		30		
J.B. McCone	Greceries, etc	2,092			
A I larke	Drugs.	23	55		
Dela-Barre	Joiners' work and repairs		32		
Dronber	Beef, pork, etc	1.881			
George Cools	Milk Blacksmiths' work and repairs	1,156			
J. Drolet	Washing, \$610.36; straw, \$28.11	410	5 50		
Quebec Daily Marcury	A vertising for tenders		60		
Quebec Customs	Duties and dues on drugs		37		
8. Marcotte	Printing	. 19	00		
Germain Lenine	lkuperal expensas (i) interments, each %4 (ii)	: 40	00		
Lamel & freres	(Cotton, linens, towels, flannel ticking etc.	, 30.	22		
5 408. Norrig	H Prockery	8	17		
24UN. A DOTOWN	Hashiters account SXU.37 nardware 87.85	168	3 22	}	
J. P. Sexton	Interments	40	00	1	
> MINIDALIANA	Plumhare' wate	258	3 10	1	
Dublin Apothecaries Hall	Drugs		L 25		
		326	3 41		
"Ournal de Onébec	Advertising for tenders	16	00		
		50	16	}	
			00	1	
		5	1.80	ŀ	
		35	5 97	ľ	
			3 (0)	1	
Kae & Co	Freight on drugs, etc		3 94		
	Total			19,99	1 22
		1		1	

Wm. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,

Accountant.

To the Thirteenth 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, 1880.

	PROVINCE OF QUEBEC.		
Treasurer of Hospital	st. CATHARINES HOSPITAL. Annual Grant for support of sick seamen	\$ cts.	\$ cts.
J. E. Clarke, Secretary	kingston Hospital. Annual Grant for support of sick seamen		500 00 1,000 6 0
	PROVINCE OF QUEBEC.		
Thos. Davidson, Treas'r	Montreal general hospital. Maintenance of sick seamen for season ended 30th November, 1879, 1,837 days at 90c		1, 6 53 30
T. McWilliams B. Morin Str. "Beaver." Dr. E. Gervais A. Picard M. A. Letouzel Dr. Fiset Dr. P. A. Shee E. A. Cormick E. Briard Dr. R. C. Blair P. L. Gauvreau Dr. T. O'Reilly Dr. Moreau Dr. Moreau Dr. Moreau Dr. J. W. Pelletier Grey Nuns St. Jean	Passage of sick seamen, Gaspé to Quebec Boarding do 64 days at 75c	12 00 23 75 15 00 9 75 35 25 136 50 10 00 44 70 42 40 4 30 75 75 1 00 5 50 30 00 5 50 2 50 50 00	1,653 30

130

	PROVINCE OF QUEBEC-Continued.		
	Brought forward	\$ cts.	\$ cts. 1,653 30
	SICK AND DISABLED SEAMEN—Continued.	1	
Hoerner & Williams	Boarding and attending s.s., ex s.s. "Indiana" Professional attendance at Three Rivers Drugs, etc., at Three Rivers Professional attendance, s.s., at Three Rivers	64 20 19 50 2 00 1 00	
Queen's Printer	Stationery and printing	863 45 21 96	
	Refund— Check returned by Dr. Fiset	885 41 32 25	853 16
Lo	SHIPWRECKED AND DISTRESSED SEAMEN.		2,506 46
Stewart	Board, etc., of 12 men rescued from barque "Mary		
J. J. Fox	To pay expenses, ship wrecked seamen, ex "Marie Eleonore"		
	Electrone	33 00	56 3 5
A	BOARD OF TRADE, LONDON.	İ	
Accountant, Board of	c ·		
do	To reimburse expenses, wrecked crew, ex "W. J. Nelson,"\$210.12; "Lizzie Dakers," \$10.13; Treat, \$169 03 do "F. C. Ebbitt," \$39.56; "Samuel Muir," \$95.08; "Ocean Lily," \$73.91; "Morrison," \$35.59	289 33	
de	\$73.91; "Morrison," \$35.59	244 14	
do	do "F. H. Wilson," \$20.44; Sissiboo,"	263 18	
do	"Maroon," \$89.16 do "Mahomet," \$81.28; "Ancona," \$19.72; "Canada West," \$240.89;	132 46	
do	do "Ellen," \$51.12; "W. J. Nelson," \$4.22; "Marius," \$41; "J. H.	446 03 \	
do	Myrick," \$43.80	140 14	
do	" Rock of Digby," \$80.56 do "Bismark," "Anu Amelia," "Ada Fulton," "Snow Bird"	141 88	
do	. do "H. B. Storm," \$1.52; "Moero," \$51.24; "Selina," \$104.53; "F.		
do	Dan. Norton, \$\frac{1}{2} \frac{1}{4} \frac{1}{2} \frac{1}{4} \fra	203 52	•
do	ton," \$139,92; "Ullalie," \$84.49 do "H. H. McCurdy," "Julia Clinch,"	350 82	
do	do "Gipsey," \$33.39; "Annie Murchie,"	140 78	
d e .	"Strange Bird," \$11.86	104 62	
do	Davis," \$44.30; "Fleetwood," \$27.49	116 18	
	\$220.96; "Anne Wharton," \$32.69	364 29	3,285 37

	PAOVINCE OF NEW BRUNSWICK.		
	Buctouche.	\$ cts.	\$ ets
F. E. W. Pouliot, M.D	Professional services	14 50	14 50
	Caraquet.		14 00
J. G. C. Blackhall	Expenses of seamen to 11th October, 1879	28 00	-2.00
	Cocagne.		28 00
Joseph Leger M D	Expenses of seamen to 31st December, 1879	28 00	
oseph neger, m.b	Expenses of seamen to dist becomen, 1013	20 00	28 00
	Dalhousie.		
G. W. Disbrow, M.D Wm. Montgomery	Medical attendance and medicine	8 25 57 65	65 90
	Dorchester.	Ì	
John Hickman	Conveyance of seaman	2 00	2 00
	Harvey.		•
Mrs. Jane Peck	Board and attendance on seaman	15 00	oo
	W. 11		15 00
Joseph A Leger	Shediac. Professional attendance and medicine	333 55	
ooopa a. Bogor	Total Stock and Control of the Contr		333 55
	GENERAL ACCOUNT.		
Dr. M. F. Gavin Boston City Hospital Dr. J. E. Church		3 00 6 00 4 00	13 00
	MARINE HOSPITALS		10 0
	Bathurst.		
G. M. Duncan, M.D	6 months professional attendance 12 do Nursing and attendance 163 days, at 50c. 18 months allowance for fuel, to 30th June, 1880 Paid for washing, etc. Blankets oil, glass, etc. Paid discharged seamen.	20 00 40 00 81 50 37 50 6 00 14 36 2 00 20 11	221 4 7
	Kent Hospiial, St. John.		
L. B. Botsford, M.D	Salary as Physician, from 1st July, 1879, to 1st		
W. S. Harding, M.D	do Inspecting Physician to Pest House, from	560 00	
<i>U.</i>	Ist July, 1879, to 1st July, 1880	100 00	
	Carried forward	600 00	721 42

PR	OVINCE OF NEW BRUNSWICK—Continued	l.		
		\$	cts.	\$ cts
	Brought forward	600	00 j	721 42
	MARINE HOSPITALS-Continued.	1	İ	
j	Kent Hospital, St. John-Continued.		1	
Chas. Ward Sal	ary as Secretary, from 1st July, 1879, to 1st			
Rev. Wm. Armstrong	do Chaplain, from 1st July, 1879, to 1st	400	00	
1	July 1880	100		
0.0	months wages as Steward, to 1st July, 1880 do allowance for board.	300 73	90	
Irs. Barnes 12 1	months wages as Matron, from 1st July, 1879,	1.0	•	
	to 1st July, 1880	80	00	
do 12 I	months allowance for boardd 12 months wages to Cook	13	00	
do Pai	d for Beef, bread, barley, potatoes and sugar		18	
	, , , , , , , , , , , , , , , , , , , ,			
	Less-Provisions consumed by Steward	1,769 37	88	
_		1,731	30	
Hartt 3 r	nonths wages as Nurse	30	00	
40 3	do allowance for boardlays wages as Nurse	48		
do	do allowance for board		16 60	
ohn Carson 6 n	nonths wages as Nurse	60		
uo	do allowance for board	96		
has. Adams. 2 do 2	do wages as Nursedo allowance for board	20 32		
hos. Jones 3	do wages as Nurse	30		
00 12	do allowones for board	48		
rydon Bros Bres	ad account	115		
ilton Rarnes Will	r and notatoes	175 124		
		263		
		10		
Cargon Con	our at coal	299		
	ords wood, cartage and housing	34	00 40	
	do do		40	
"John Water Commis-				
William Clear Co. Co.	nonths water supply, \$36; assessment, \$14		00	
		86 88		
ohn Chaloner Dru	gs and medicine	81		
		32		
Ohn Rueles	ran and asset him	85 17		
			00 I	
C. Cathedral Dig	ging grave	_	00	
orth British and Mer-	ging grave	10	50	•
cantile Insurance Co 12 n	nonths premium on \$3,200, to March, 1881	40	00	
		22		
. A W. C.				
owes. Campbell & Ellis Cat	airing and whitewashing	10	50	
	e for range	16 3	00	
Vm. Elder	40 40	Z	50	
arnor to G	do do		00	
Beverly	do do	20 21		
· L. McCoskery Stat	vels, hinges, glass, etc	21	00	,
				ko
ı	Carried forward,	3,777	2U 1	721 42

133

	PROVINCE OF NEW BRUNSWICK-Continued.	Territoria de la Reside Primero de la composição de composições de la Composição de Composições	
	Brought forward	\$ cts. 3,777 20	\$ cts. 721 42
	MARINE HOSPITALS—Continued.		
	Kent Hospital, St. John-Concluded.	1	
R. A. Moore	Lumber and labour	8 50	
Bell Bros	Glazing	3 40	
St. John Ice Co	To-be	3 75	
A R Street	Forks	0 90 4 50	
Beard & Venning	Blankets, sheeting, etc. Labour at coal	67 12	
John Walsh	Labour at coal	3 00	
Geo. Smith	Filing saw	0 90	
Joseph Pike	Shoveling snow	10 25 4 00	
H. Robertson	Crockery	6 75	
Wm. Elder	1 years subscription to Telegraph	6 00	
Mary Hamilton	Sewing	3 30	
W. A. Lockhart	Settees	23 40 8 30	
	Carting ashes	2 40	
Mrs. J. Paris	Scrubbing	4 20	
	Furnishing meals to Mrs. Paris	5 25	
J F Masters	Conveyance of seaman to asylum Freight and duty on iron bedstead	21 50 5 70 5	
	Pillows	12 60	_
			3,982 92
•	Miramichi.		
John Thompson	12 months salary as Medical Superintendent	400 00	
do	Medicine, bath-tub, clothing, etc	16 50	
do	Wages as Keeper, 13 months and 2 days, at \$9.80 Boarding patients, 2,635 days, at 40 cts.,	128 10	
do	Allowance for fuel.	1,054 00	
do	Paid for digging grave, straw, etc	6 23	
Wm. Currie	Labour, repairs	60 00	
	Cement Labour	5 25	
	Glass, paint and oil	21 25 1 114 95	
	Alcohol, etc	9 23	
Wm. Masson	Iron, glass, blankets, sheeting, etc	146 14	
	30 days labour at repairs	82 50	
Geo. McLeod	Lumber	16 00 10 48	
C. Conley	Labour	90 00	
John Gallagher	Carting lumber	74 00	
Wm Poster	Labour, repairs	117 75	
do do	146 days joiner work.	52 95 233 60	
Gilmour, Rankin & Co	Lumber and lime	175 82	
	l barrel of oil	16 35	
James Doyle	Supplies for repairs, clothing, etc	150 36	
Call & Miller	Lumber	6 40	
F. Brockler	Painting and glazing	7 43 149 00	3,204 29
	Richibucto.		5 ,
J. W. Doherty Simon Graham	12 months salary as Medical Superimtendent Pump, fuel, glass, cotton, etc	200 00 106 88	
	ļ i		7,908 63
	Carried forward, 134	306 88	7,900

	PROVINCE OF NEW BRUNSWICK—Continued.	·	
	Brought forward	\$ cts. 306 88	\$ cts 7,908 63
. 1	Marine Hospitals—Continued.		
	Richibucto—Concluded.		
do do urs. Wm. Farrel	Paid Matron 6 months wages, at \$6	36 00 113 55 12 82 189 83 45 64	695 72
	Saint Andrews.	1	
do Charlotte Coates do	12 months salary as Medical Superintendent Paid for building fence, pump, wood, etc	200 00 82 53 208 00 135 05 20 88 24 33	
	Less overcharge in 1878-79	670 7 9 2 0 0	668 79
	Sackville.		•
dodo do do	12 months professional attendance and medicine Conveying seamen to hospital, etc	256 6 0 12 56 225 00 159 03 8 00 20 66	681 88
	SHIPWRECKED AND DISTRESSED SEAMEN.	[·	9,954 9
do do James Costigan do R. Douglass do Small & Hatheway John Abbott J. Brown D. Bridges R. B. Haddow G. A. Kimball McNighol & Russell	do 4 do Pictou Boarding seamen, schooner "Strange Bird" do bark "Eblana" Expenses of 3 seamen to Halifax Boarding seamen, "Forrest Queen" Passage do to Annapolis Boarding do "Spring Bird" Passage 2 do to St. John Boarding 3 do Passage do Newcastle to St. John Shoes for seamen of bark "Eblana" Clothing do do Passage of seamen to St. John do Hopewell to St. John do Boston to St. John	4 75 2 85 19 80 144 90 5 00 2 87 11 49 1 80	
			295 4

	PROVINCE OF NOVA SCOTIA.		
Provincial and City Hos-	MARINE HOSPITALS, AND SICK AND DISABLED SEAMEN. Board of seamen during the fiscal year ended foth June, 1880-4,996% days, at 90 cents per day	\$ cts.	\$ cts. 4,497 00
Mary Power Pauline Poupon. Mrs. E. Babin Mélanie Terrio Dr. H. C. Fixott Felix Gerroir Mary Landry Julia Fourgeron E. Langlois Jas. LeBlanc Victoria Vigneau Mary LeBlanc Louise LeBlanc Mélanie Boudrot	do 3 do and 4 days, at \$3 per week do 4 do 6 do do do do do do do do do do do do do	109 55 27 00 12 00 10 72 14 58 144 85 9 00 12 00 8 00 4 29 24 86 6 00 12 00 5 71 12 86 10 00 156 24	
Dr. A. V. Hazel	Annapolis.	100 24	579 66
	Attendance and medicine	21 00 8 25	29 25
A. S. Townsend	Alvocate. Board, 8 days, at 62½ cents	5 00 7 09 1 25 2 25	15 5 0
	Bridgewater,		
Dr. N. W. Street Dr. G. A. Pickles Sarah Wynot Jas. Wilkie	do 9 weeks board, at \$2.50	7 10 8 75 10 00 22 50 9 00 15 00	72 3 5
	Bear River.		
W. K. Rice W. McFadden	Attendance and medicine	20 00 4 00 6 00 8 00 7 00 25 05	70 05
	Barrington.		
Dr. J. Schrage	Attendance and medicine	33 20	5,263 81
	150		-,

	PROVINCE OF NOVA SCOTIA—Continued.		1 commence of the same
	Brought forward	\$ cts. 33 20	\$ cts. 5,263 81
	MARINE HOSPITALS, RTC.—Continued.		
	Barrington-Concluded.	ì	
Josiah Crowell do B. Kenny	Board 1 week	4 00 26 00 6 85 8 50 0 75 50 00	129 30
	Bay field.		
Neil Sutherland	Medicines		4 50
	Bridgetown.		
Dr. G. S DeBlois	Attendance and medicine	12 50 12 00	24 50
	Canso.		
Dr. R. Eustace	Attendance and medicine	40 30 12 00	52 39
•	Cow Bay, C.B.		02 3 V
4UIIUWAY	Attendance and medicine	\$4 25 95 25 24 00 30 00	233 50
	Chester.		
Dr. G. E. Dewitt	Attendance and medicine		13 00
	Cornwallis.		
P. A. Cogswell	Board, 8 weeks, at \$2		16 00
	Clementsport.		
Dr. Aug. Robinson G. F. Flanders	Attendance and medicine	6 00 10 68	16 68
	Cheverie.		20 00
Dr. F. N. Burgess	Attendance and medicine		17 50
b -	Digby.		
G. Handspiker	Attendance and medicine	29 28 3 50	
<u>.</u>	Carried forward	32 78	5,771 09

	PROVINCE OF NOVA SCOTIA—Continued.		
,	Brought forward	\$ cts. 32 78	\$ cts. 5,771 09
	MARINE HOSPITALS, ETC.—Continued.	Ì	
	Digby—Concluded.		
Or. G. B. Oakes Amanda Bennett	Attendance and medicine Board, 20 weeks, at \$2 50	29 50 50 00	112 28
	Halifax.		
Conlon Bros	Board, 3 days	1 80 14 75 7 50	
			24 05
	Harbor au Bouche.		
	Attendance and medicine	25 00 16 28 15 00	56 26
	Hautsport.		
M. A. Farrell	Attendance and medicine	24 85 5 00 1 85	31 70
	Joggins.		31 1
Dr. R. Ripley John Moffatt	Attendance and medicine	12 75 7 20	19 9l
	Kingsport.		
Dr. J. S. Miller	Attendance and medicine	••••••••	2 50
	Lockeport.		
H. Hamilton	Attendance and medicine Board, 18 weeks and 1 day at \$4.50 Washing Board, 3 weeks at \$7 do do \$3.50 Washing	71 65 82 02 7 12 21 00 10 50 0 90	193 ¹⁹
	Lunenburg.		
G. Blair Dr. S. Jacobs M. Westhaver	Board, 6 weeks at \$3	44 85 6 00 1\$0 00 18 00 18 00 10 00 5 00 6 00 13 50	276 3
			6,487 3

	PROVINCE OF NOVA SCOTIA—Continued.		
	Brought forward	\$ cts.	\$ cts. 6,487 39
	MARINE HOSPITALS, ETC.—Continued,		
	Liverpool.	 	
Dennis Sweeny	Board, 5 weeks and 2 days at \$4	21 00 10 00 91 66	122 66
	La Have.		
Dr. D. O. Saunders S. Wansbach	Travelling expenses Attendance and medicine Board, 8 weeks at \$2.50 Travelling expenses	6 00 76 35 20 00 6 00	108 35
	Margaretsville.		
Dr. S. N. Miller Fred. Brown	Board, 18 days at 50c	19 00 9 00 8 00	36 00
	Mahone Bay.	i	
Dr. Chas. Gray	Attendance and medicine Board, 1 week	17 00 3 00 20 00 170 25 3 00 24 00 12 00	249 25
	North Sydney.		
Dr. D. A. McDonald Dr. McLarty	Attendance and medicine	111 45 83 33 3 00 4 75 10 50	213 03
	Port Hawkesbury.		
do do do do R. Proctor A. Grant & Co Dr. J. F. Laughlin M. McDonald Dr. D. M. McDonald Dr. D. M. McDonald	Attendance and medicine	20 25 9 00 6 00 4 90 0 50 7 50 4 10 20 35	194 25
	Coming forward		7 410 00
	Carried forward	[7,410_93

	PROVINCE OF NOVA SCOTIA—Continued.		
Š	Brought forward	\$ cts.	\$ ct 1 7,410 93
	MARINE HOSPITALS, ETC — Continued.		
	Pictou.	i İ	
or. J. McMillan Sa	pard, 35 weeks and 2 days at \$5do 8 days at 75cdlaryedicines	176 35 6 00 400 00 24 00	ana (1)
	Port Williams.		606 3
Or. Fullerton At	ttendance and medicineoard, 2 weeks	7 00 6 00	13 0
	Port Mulgrave.		•
Mrs. B. Clancy Bodo Br. do Br. do Br. do Br. E. DeCoste Ni	ttendance and medicines	59 75 27 75 2 50 8 00 5 25 3 00 5 65	
, marray, januari, in the	assing, noise are, etc		111 9
Dr. R. A. DakinA	Pugwash.		25 0
	Port Hastings.		
Dr. Macdonald A.A.A.A.A.A.B.C.	ttendance and medicine oard, 32 days at \$1	33 00 32 00	65 0
	Port La Tour.		
	ttendance and medicine	26 00 3 50	29 5
	Ratchford's River.		
F. Hatfield Bo	ttendance and medicineoard, 3 weeksttendance and medicine	7 60 9 00 19 75	35 7
	Sandy Cove.		
	ttendance and medicine	8 25 30 00	38 2
	Sydney Hospital.		
5. Muggan B(iquorsoard of seamen during fiscal year, 447 dys., at 43c. aid for stove-pipe and pail	3 85 192 21 4 80	
	Carried forward 140	200 86	8,335 6

	PROVINCE OF NOVA SCOTIA—Continued.		
	Brought forward	\$ cts. 200 86	\$ cts 8,335 68
1	MARINE HOSPITALS, ETC .— Continued.		
1	Sydney Hospital—Concluded.	1	
do A. D. McGillvary	Burial expenses	7 00 250 00 316 66 17 85	792 37
	Sheet Harbour.	1	
Or. F. McMillan	Attendance and medicine	***************************************	4 00
	Shelburne.		
do do G. H. Denstadt Dr. J. A. Purney	Attendance and medicine Board, 16 weeks and 4 days, at \$3.50 do 17 do at \$4.00 Extra attendance Board, 1 week and 4 days, at \$5.00 Attendance and medicine do Cartage of effects	60 65 58 00 68 00 1 50 7 86 21 50 10 00 1 50	
	0. D		229 01
Dr. J. H. Fixott Simon Benoit	St. Peters, C.B. Attendance and medicine	12 00 10 00	22 00
	Thorne's Cove.		
Jr. J. A. Coleman	Board, 1 week and 5 days, at \$5.00	8 75 5 00 2 00	15 75
	Ti inish.	1	
WW. Children	Attendance and medicine	30 00 8 65 8 00	46 68
	Tusket.		
Dr. J. S. Webster L. Lent	Attendance and medicine	5 50 8 00	63 50
	Weymouth.		-
Dr. H. D. Ruggles Dr. H. A. Ellison	Attendance and medicine	13 89 23 00	36 88
	Wilmot.	_	20 04
R. A. Pomeroy	Conveyance		2 50
	Carried forward		9,548 3

Brought forward		PROVINCE OF NOVA SCOTIA—Continued.		
D. McKenzie		Brought forward	\$ c	ts. \$ cts. 9,548 35
D. McKenzie		MARINE HOSPITALS, ETC.—Concluded.		
Dr. J. M. Kempton		Wallace,		İ
J. D. Archibald	D. McKenzie Dr. J. M. Kempton	Board, 12 weeks and 2 days, at \$3.00		32
Dr. A. M. Perrin		Yarmouth Hospital.		62 11
Lewis Kelly	Dr. A. M. Perrin	3 days, at \$3.00	100 (14 (50
Refund	Lewis Kelly H. A. Parr	Earthenware Medicines Clothing	4 8 23 0	88
Refund				
Refund	W. Chadsey	Conveyance of sick seamen		
Subsistence and Conveyance. Subs		Refund	••••••	9,875 16
William Parks 2 men ex "D. Norton" 8 03 F. W. Fishwick Crew ex "B. Wier" 33 00 do 1 man ex "Grace Greenwood" 4 75 do 1 do "J. J. Bill" 4 75 do 1 do "J. J. Bill" 4 75 do 6 Crew ex "Laura" 21 25 do 5 men ex "Zaidee" 17 50 Edward Dowling 1 man ex "Eliza Christie" 11 68 A. G. Hamilton Urew ex "Lotus" 106 25 do 6 men ex "Lodi" 36 00 Julia Fleming Crew do 23 70 J. Manthon 4 men ex "Sparkling Wave" 16 00 L. Kavanagh Crew ex "Excelsior" 29 75 do do "Lizzie Lake" 16 10 Gilbert Shaw do "Lizcie Lake" 16 10 Gilbert Shaw do "L'AdcGowan" 39 42 C. W. Clements 4 men ex "Laura" 6 92 E. Archer 4 do "Olive Branch" 14 60 P. Taple Crew ex "Fleetwood" 26 80 do Crew ex "Lizzie Gillespie" <td></td> <td>SHIPWRECKED AND DISTRESSED SEAMEN.</td> <td></td> <td>9,867 66</td>		SHIPWRECKED AND DISTRESSED SEAMEN.		9,867 66
F. W. Fishwick		Subsistence and Conveyance.		
do "Delta" 22 74	F. W. Fishwick do do do do do C. W. Clements E. Archer P. Taple do do M. Richardson do J. C. Dutton Edward Farrel Do Duby do D. W. Glements E. Archer D. Go D. W. Clements D. W. Clements D. W. Clements D. W. Clements D. Webber D. D. D. D. D. Webber	Crew ex "B. Wier", 1 man ex "Grace Greenwood" 1 do "J. J. Bill" Crew ex "Laura" 5 men ex "Zaidee" 1 man ex "Eliza Christie" Crew ex "Lotus" 6 men ex "Lodi" Crew do 4 men ex "Sparkling Wave" Crew ex "Excelsior" do "Lizzie Lake" do "Fleetwood" do "L. McGowan" 4 men ex "Laura" 4 do "Olive Branch" Crew ex "Fleetwood" 4 men ex "Lizzie Gillespie" 3 men ex "Lizzie Gillespie" 3 men ex "Hoavis" 1 man ex "Pleetwood" 3 men ex "Nancy Ross" 6 do "Levant" 2 do "Silas Morse" 1 man ex "J. H. Masters"	33 4 4 7 21 2 17 2 11 6 10 6 2 3 6 6 14 6 8 2 9 1 6 8 2	00 175 1

	Brought forward	\$ cts. 613 06	
	SHIPWRECKED AND DISTRESSED SEAMEN—Continued.		
1	Subsistence and Conveyance—Concluded.		
D' a 1 1 1 a 1	1 man ex "Swiftsure"	3 65	
D. Corbett & Co	4 men ex "S. Dolliver"	17 52 2 92	1
eter Sinclair	Crew ex " Condoller"	75 00	
Murray, jun	3 men ex "Raven"	15 00	
do	Crew ex "Eliza"	43 42	
McDonald	4 men ex "Lodi"	18 33	{
omas Keay	Crew ex "Albro"	25 42	
	Conveyance.		814
Dowling	Crew ex "Delta"	48 00	
McDonald	Crew ex "Delta"	19 00	}
· V. Roche	1 man ex "Laura" Crew ex "Dater" 1 man ex "Eliza" 7 men ex "Lena" 1 man ex "Lodi"	1 82	1
eorge Rigby	Crew ex "Dater"	6 00	l
Murray, jun	l man ex "Eliza"	6 00	ł
· A. Hood	7 men ex "Lena"	70 00	
· Owen,	1 man ex "Lodi"	2 80	150
	Subsistence.		153
Dowling	Orew ex "Pioneer"	18 00	j
llia Fleming	3 men ex "J Millbury"	3 60	1
do	1 man ex " Pandora"	1 20	ļ
do	li men ex "Juvenile"	26 40	i
40	Liron Av " Lirona (iron wood "	6 00	l
· McDonald	2 men ex "Adelaide".	9 49	
Mavanagh	Crew ex "Sparkling Wave" 6 men ex "Fleetwood"	16 25	}
Taples	4 do "Seaside"	3 60 7 20	1
McKarahar	4 do '' Kiliza''	1 00	
ailors' Home	2 do "Swiftsure"	6 00	!
do	Crew ex "Gondolier"	78 00	
do	1 man ex " Monarch"	3 60	1
do	1 do "European"	8 40	1
do	1 do "Rosemeath"	8 40	1
do	1 do "Hibernian"	7 20	1
do	do "B. Wier"	30 87 15 04	
A. Kenner	do "Zeidee"	6 25	1
	K man av ((Osaan Cam))	19 19	!
· Gallant	I man ex "Lodi" Crew ex "N. Noyes" do "Samuel"	3 00	
as. McKiernan	Crew ex "N. Noyes"	12 00	1
AS. A. Tory	do "Samuel"	28 00	i
H. Whitman	do do	7 50	320
	Clothing.		1
urns & Murray	1 man ex "Lodi"	15 00	1
do	Crew ex "Samuel"	35 40	50
	Miscellaneous.		1
l. Cn= =	i		
Roberts Co	Expenses, 2 men of "L. McGowan" at Bermuda	25 30	
" wouertson	Services in connection with crew of "N. Noyes"	10 00	
			35

	PROVINCE OF PRINCE EDWARD ISLAND		
Supplementary and the latter than the series of the latter than the supplementary that the supplementary the supplementary that the supplementary that the supplementary the supplementary that the supplementary that the supplementary the supplementary that the supplementary that the supplementary t	MARINE HOSPITAL.	1	
	Charlottetown.		
F. P. Taylor, M.D	Salary as Medical Attendant, from 1st January,		
M Furnace	1879, to 30th June, 1880	450 00 180 00	
do	Boarding patients 149 weeks, at \$2.50.		
	Paid for labor, truckage, wood, etc	20 19	
P. Cullen	112 months rent of hospital	120 00	
Hugh Perkins	Coal		
Jas. Houston	Repairing stoves, etc.	3 90	
Chas F Harris	Cotton, beading, etc	12 45 1 20	
S. W. Dodd.	Medicines	59 62	
Ino. Newsom	Bedstead, bedding, etc	26 00	
Beer & Sons	Oil, soap, chimneys, brushes, etc	56 43	
Michael McCabe	Repairs, plastering, etc		
W. A. Weeks	Cotton, flannel, etc	10 08	1,346 23
	SMALL-POX HOSPITAL.		1,010
	Alberton.		
Hon. W. W. Sullivan	To pay for land and building to be used as an		
T m T 1'	hospital	1,200 00	
	Expenses inspecting vessel, etc		
	Boarding sick seaman Sundry disbursements for sick seaman		
Onas. W. Dirong			1,285 60
	OUTPORTS, P.B.I.		
Charlotte Crawford	Boarding sick seamen, Crapaud	48 00	
	Medical attendance and medicines, Crapaud		
J. E. Robertson, M.D Isidore Gallant, M.D		14 07 24 60	
F W. Strong	Cotton, hose, etc., Summerside	4 45	
Doull & Son	Coffin, etc. do	12 00	
P. Ruff	Boarding sick seamen, washing, and funeral ex-		
7 - T W.D.	penses, Summerside.	130 25	
Chas. F. Harris	11 months salary as Physician, Summerside	137 50	
Mrs Criffir	Paid on account of boarding do	6 35 30 00	
J. A. Gourlie & Co	Medicines do	56 55	
P. A. McIntyre, M D	Attendance and medicines, Souris	7 00 1	
Ino White	Ladder do	8 00 }	
J. G. McDonald	12 months salary as Keeper do	200 00	
do	Boarding sick seamen, 47‡ weeks, at \$3.00, \$145.77; lead, etc., \$1.75, Souris	147 59 1	,
C. D. Anderson	Plumber's work do	147 52 <u>1</u> 18 25 1	
McDonald, McDonald &	Tiumott o ito-	10 20	
Co	do do	7 69	
Warren W Clark	do de	8 00	
E. P. Ford, M.D	Attendance and medicines do	73 77	
M. McLean	Hardware, etc. do	8 60	
Jan McNutt	Attendance and medicines, Cascumpec	8 00	-
	ments, \$8.47, Malpeque	46 47	
Dr. D. Kaye	Attendance and medicines, Georgetown	3 50	
W. Mitchell	Travelling expenses	9 00	1,041 82
	SHIPWRECKED AND DISTRESSED SEAMEN.		
Wm. McDonald	Boarding shipwrecked seamen, ex "West Point,"	ļ	3,673 65
.,	24 days, at 64 cents per day.	15 36	
Beer & Sons	Clothing for do do	4 15	
			19 51

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PROVINCE OF BRITISH COLUMBIA.

		\$	cts.	\$ cts
J. C. Davie, M.D	12 months salary as Medical Officer at Victoria	300	00	
Thomas Wood	12 do Keeper do[499	92	
do	Maintenance of patients, 107 weeks, at \$5 00	53 5	00	
do	Paid for washing, ferriages, etc	72	00	
, ,	May, 1879, to 30th June, 1880, \$450 per annum. Professional attendance in December, 1878, \$38 00,	506	25	
L. R. McInnes, M.D.	and April, 1879. \$19 50	57	50	
1	1879, to 31st March, 1880	303	00	
orunese, m.b	Nanaimo	21	25	
W. M. McInnes, M.D			50	
W. Tinson	do do Hauling 15 tons coal, Victoria	9	37	
Western Union Tel. Co	Messages	5	50	
E. Lawrence	Water	40	50	
G. Lawrence	do	15	600	
Kinoman & Stylog	Magons' and hricklavers' lahour and materials!	27	87	
Brown & White	Sheeting	35	04	
Langley & Co	Mcdicines and drugs	105	12	
Ut. Kelly	b cords cut wood	30	00	
A. & W. Wilson	Hardware and tinware, repairs, etc	119	25	
J. Rell & Co	Candles		12	
Thos. Shotbolt	Chamois leather, etc	_	50	
Tgos. Nicholson	Coal oil, soap, etc		3 75	
G. Mansell & Co	Door mats, blinds, etc		75	
J. Smith	Cleaning chimneys		3 50	
J. Weiler.	Chairs, plates, etc		00	
Chay Renath	Repairs to gutter, steps, etc		3 00	
H. Saunders	Soap	4	₽ 0 0	
"Nanaimo Hospital"	Soap Paid for boarding and nursing sick seamen	13	3 50	
Huntington	Bricklavers' labour, mortar, etc	20	00	
8. Drummond	Bnckets. etc	3	3 75	
Thos. Ewen.	Labour at Hospital	1	50	
Samuel Wynn	Painting outside of Hospital	38	3 50	
"Sir Jas. Donglas."	15 tons coal and labour		35	
P. McQuade & Son	Paints, oil, etc		3 25	
Smith & Clark	Repairs to coal-house door, lattice work, etc	2	2 25	

SUMMARY.

}	\$	cts.	\$	cts.
Ontario St. Catharines Hospital		00		
doKingston do	. 1 500	00	1 000	ΔΔ
Ouches Wontreel Company Hagnital	1,653	20	1,000	00
Quebec	1,000	16		•
do Shipwrecked and Distressed Seamen	56	35		
The state of the s	1	- 00	2,562	81
Board of Trade, London. To reimburse Imperial Government for expend	_!	- 1	-,	
ture in behalf of Canadian Wrecked Seamen.			3,285	37
New Brunswick Marine Hospitals and Sick Seamen	. 9,954	99	•	
do Shipwrecked and Distressed Seamen	. 295	46		
			10,250	45
Nova Scotia Marine Hospitals and Sick Seamen	9,867			
do Shipwrecked and Distressed do	. 1,373	77	11.041	12
Prince Edward Island Marine Hospital, Charlottetown	1,346		11,241	40
do Small-pox Hospital, Alberton				
do Sick Seamen (outports)	1,041			
do Shipwrecked and Distressed Seamen	1,012	51		
			3,393	16
British Columbia Marine Hospital and Sick Seamen	. ,,,,,,,		3,006	79
Quebec Marine and Immigrant Hospital			19,991	22
	ł	- -	<u>_</u>	
Total, Marine Hospitals, Sick and Disable	1	- 1		
Seamen and Shipwrecked and Distresse	1	- 1		02
Seamen			55,031	23

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Sick Mariners' Dues collected, for the Fiscal Year ended 30th June, 1880.

Que bec.	. \$ cts.	Nova Scotia.	\$ cts.
aspé	167 42	Amberst	429 93
gdalen Islands	18 30	Annapolis	173 04
ontreal	3,594 84	Antigonish.	36 54
w Carlisle	78 76	Arichat	195 80
rcé	36 70	Baddeck	57 00
lebec	10,099 82	Barrington	46 54
mouski	195 80	Bridgetown	2 18
· Armand	1 32	Cornwallis	70 1
Johns	1,491 86	Digby	156 23
anstead	9 44	Guysboro'	38 2
ree Rivers	104 40	Halifax	5,833 9
		Liverpool	166 16
Total	15,801 66	Lockeport	68 0
		Londonderry	18 1
	l	Lunenburg	351 4
New Brunswick.	ĺ	Margaretville	18 1
1.000		North Sydney	1,257 2
thurst	221 62	Parrsboro'	215 4
ampo Bello	28 54	Pictou	1,020 6
araquet	93 30	Port Hawkesbury	97 8
hatham	2,171 24	Port Hood	5 0
alhousie	327 52	Port Medway	49 5
orchester	91 06	Shelburne	228 5
illsboro'	109 34	Sydney	818 4
Oncton	13 52	Weymouth	115 0
ewcastle	713 92	Windsor	908 2
ichibucto	373 92	Yarmouth	207 5
Ackville	100 66		
hediac	232 96	Total	12,585 2
hippegan	5 12	1	12,000 2
Andrews	141 04		
L Banno	71 14	British Columbia.	
t. John	5,694 76	Ditton Columbia.	
L Stankana	149 72	New Westminster	174 0
t. Stephens est Isles	0 42	Victoria	2,668 9
- CSC 18168	0 42	VICTORIA	2,000
Total	10,539 80	Total	2,842 \$
		Prince Edward Island.	
			Í
		Charlottetown	579 2
		Summerside	174 2
		Total	753 8
	l	<u> </u>	

RECAPITULATION.	\$ ct	S.
Quebec	10,539 1 12,585 1 2,842 1	80 26 94
Total	42,523	20

JOHN TILTON, Accountant.

WM. SMITH,

Deputy Minister of Marine and Fisheries.

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To the Thirteenth 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, 1880.

	Salaries—Central Öffice.		
84	~		
G. T. Kingston 12	7 months salary as Superintendent	585 16	
50 5 T. Menzies 12		300 00	
W. A. Stewart 12		400 00	
-		360 00	
C. Carpmael		875 00	
S. A. Roberts	2 do do Inspector of Stations	800 00	
T. H. Monk 12		600 00 640 00	
R. F. Stupart 12		652 00	
H. V. Payne		510 00	
B. C. Webber'12		498 00	
	alary as occasional Clerk	100 00	
J. Davison	do do	60 00	
	2 months salary as Office Messenger	155 75	
	Office boy	58 20	
J. H. Carroll.	do	21 90	
C. Clarke	do	14 00	
U. Ularke	40	14 00	6,630 OF
;		į	-,
	Chief Stations.	1	
Sydney, C.B T	Thos. C. Hill, \$500, and assistance, \$220	720 00	
Halifax, N.S A	A. Allison, 400 do 340	740 00	
St. John, N.B		740 00	
Fredericton, N.B P	Prof. Harrison, 300 do 260	600 00	
Montreal, P.OC	C. H. McLeod, C.E., \$300 do 200	500 00	
Woodstock, OntJ.	. Montgomery, 240 do 160	400 00	
Winninger, ManS	st. John's College	800 00	
Spence's Bridge J.	. Murray, \$240, and assistance, \$160	400 00	
	, , , , , , , , , , , , , , , , , , , ,		4,900 👀
	Telegraph Stations.	ļ	
Varmanth (T	ieut. Wilmot	230 00	
Chatham	3. A. Blair, \$300 and assistance, \$133	432 00	
Chatham		260 00	
Onebee	Lapt. Ashe	250 00	
Docklies	W H NaIntura	240 00	
Kingston Q	W. H. MeIntyre B. Woods, \$300 and assistance, \$1.32	432 00	
Port DoverH	H. Morgan, 300 do 1.32	432 00	
Port Stanley M		432 00 1	
Saugeen M	4, 2 w j 2 v j	400 00	
Parry Sound D		396 00	
Parry Sound R Fort Garry J	as Stewart 300 do 1.32	432 00	
Prince Arthur's Landing W	V. P. Cooke	80 00	
Timeo Mithur & Danuing	1. 1. Codec		4,016 00
	Reserve Telegraph Stations.		·
	<u> </u>		
	Dr. S. T. Gove	300 00	
CharlettetownH	H. J. Cundall	300 00	600 00
	Carried forward	1-	16,146 01
ı	Uarried forward 148		10,120
	110		

STATEMENT of Expenditure in connection with the Meteorological Service, &c.—Continued.

			<u> </u>
	Brought forward	\$ cts.	\$ cts. 16,146 OI
	Drum Stations.	!	
St. John	M. Phoran, 12 months salary as Agent J. B. Longley do do	60 00 6) 00	
Digby.	W. H. Taylor do do	60 00	
Liverpool	J. L. Hemmeon do do	60 00	
Louisburg	Sergeant at Citadel	51 00 60 00	
COM Bay	C. Archibald	1 60 00 1	
Post Warring	C. H. Rigby	60 00	
Picton	P. Grant	30 00 60 00	
Point du Chêne	M. Campbell H. H. Schaeffer	45 00	
Dathurst	Hon John Ferguson	i 100 00 t	
Percé. P O	H. A. Johnson	78 00 45 00	
Gaspé, P.Q	P. Vibert	45 00	
Quebec (Citadel)	J. B. Donaldson	100 00	
Toronto (Queen's Wharf)	Capt. T. F. Jones. Capt. A. Taylor. G. A. Durnan.	30 00 45 00	
Toronto (Gibraltar Point)	G. A. Durnan	45 00	
	CTEUTEE DIRCK	30 00 1	
Port Dalhousie	T. Campbell	45 00 60 00	
Goderich	It. N. Macdonald	60 00 i	
Allicardine	Dr. Martwn	100 00 1	
Presqu'Isle	Thomas Davis	60 00 60 00	
Olling Wood	(Col. Bligh	78 90 1	
YEKVILLE	IS. Rell	9 50	
Coint Lepreaux	George Thomas	15 00	1,686 50
		4	1,000 00
	Special Stations.		
Esquimalt, B.C	W. H. Bevis	••••••	45 60
	Instruments and Apparatus.		
J. Foster	Anemometers, &c	254 00	
		250.00	
TWILES LIFEED.	Karometars	206 75	
		150 00 102 00	
W. H. Rice.	Instruments, thermometer, &c	4 00	
Parthing.	Zincs for battery	2 70	
		10 04	
R. T. Clinch	Telegraph line to Halifay \$200 instruments \$60.	260 00	
d. Cox	Instruments	19 05	
Blectrie Hardware Co	Blinds for thermometer sheds	60 00 1 12 66 1	
Zaraware co	DIGO BOOMO:0000 >====0000 100000 00000 110000000 121100 101100 1		1,426 43
	Stationery, Books, &c.		•
Rowall & IT	, , , ,	i	
F. F. Payne	Stationery, &c	313 05 424 13	
Front & Todd.	Printing reviews and bulletins	406 70	
Bart Davison.	Binding register forms, &c	132 88	
Miles & Co	Blooks, &c	31 70	
	4. VIR	10 00	
	Carried forward	1,318 46	19,303 94

STATEMENT of Expenditure in connection with the Meteorological Service, &c.—Continued.

	&c.—Continued.		
	Brought forward	\$ cts. 1,318 46	\$ cts. 19,303 94
	Stationery, Books, &c Concluded.		
Gopp, Clark & Co	Lithographing forms Atlas of Maritime Provinces Halifax Morning Chronicle	8 00 24 65 105 80 969 60 10 00 6 20 5 62	
M. Christie	12 months subscription	6 00 62 40 7 00 3 41 2 50 53 00	2,582 6 4
	Telegraphy.		
Dominion Telegraph Co. Western Union do H. W. Burnett	do 12 months salary as Operator, Central Office 12 months salary as Operator, Central Office 12 do services as Agent at Buffalo	3,824 67 162 36 4,046 13 794 00 510 00 120 00	
J. Fitzgerald C. Prescott H. V. France	6 do salary as Asst. Operator, Central Office. 6 do do do do do do do do do do do do do	15 00 18 00 23 00 5 50	
R. Fuller	Operator, Canada Pacific Survey, N.W.T	173 80	10,532 46
	To Ottawa and return	28 55 114 04 8 90	151 49 °
	Freigh', Cartoge and Customs Dues.		
E. London	Paid for freight, cartage, etc., Central Office Charges on goods to North-West	81 60 4 40 32 85 72 23 3 75	313 22
	Expenses at Stations.	}	
Yarmouth	A. Allison and others	18 40 15 94	
	Carried forward	184 66	32,883 75
	150		

STATEMENT of Expenditure in connection with the Meteorlogical Service, &c.—Continued.

	Brought forward	\$ cts. 184 66	\$ ets. 22,883 75
	Expenses at Stations-Continued.	1	
Port Dover	R. Nicoll. H. Morgan	40 77	
Parry Sound	M. Payne	26 00 20 00	
Pictou	H. A. Johnson	9 44	
Gaspé	W. H. Townsend	9 75	
Charlottetown	M. J. Phoran H. J. Cundall	11 88	
Chatham	J. Little	23 16	
Cobourg	J. G. Baston	12 63 7 90	
Rockliffe	W. H. McIatyre	4 25 1	
Saugeen	G. N. Macdonald	1 95	
Collingwood	W. Herrington	15 64	
New Westminster	Electric Hardware Co	26 90	
Cow Bay	R. Bourne	10 00	
do	G. T. Kingston	4 15	
Fredericton	J. Barrington	4 48 j 2 25	
Aincardine	1Dr. Martyn	! 865]	
Bathurst	A. & P. Ángus Hon. John Ferguson	1 1 50 †	
Point Lepreaux	G. Thomas	6 60	568 34
	Miscellaneous.		
R. Wilkinson	Postages	478 25	
W. Menzies	Carpenter's work	580 40	
Rice. Lewis & Son	Lumber, painting, etc	331 96 142 23	
J. Wardell & Son	Kurniture	82 55 65 00	
T. H. Monk.	Ciffice desks and cupboards	133 00	
- ' UUIB	Oil, hardware, mats, etc	. 4000	
P. Burns.	Paid for extra work writing, central office	45 10 1	
A. Peele	Gas	10 00 15 00	
M. Powno	Dant of manual at Bout Stanlow	10.00	
Merryfield	do room at central office	24 00 2 10	
T. C. Patteson	Rent of box at post office	6 90 172 69	
W. J. Hughes	Building, bricklaying, etc	61 15	
	Carried forward	2,843 00	33,452 •9

STATEMENT of Expenditure in connection with the Meteorological Service, etc.—Continued.

	Brought forward	\$ cts.	\$ cts.
	Miscellaneous—Concluded.		
T. Dean A. Heiser Champ & Co. R. F. Stupart C. Green J. Laird G. Cobban Petley & Co. P. D. Conger J. W. Carroll J. Day C. Carpmael D. S. Keith F. Kennedy J. Segsworth H. F. de Bock W. Woods H. J. Matthews. T. A. Hastings	Iron-work Brass castings Watch oil Felt and pitch Extra work, central office Office boy do Frames for probabilities do do Carpet Coal and wood Office boy, central office Labour. Paid for cleaning office, labour, etc. Gas fittings Ladders Clock Postage stamps and cards Copying observations at York Factory Frames for probabilities Ploughing ground	5 00 5 00 1 79 20 00 42 00 225 58 35 53 46 46 39 50 7 75 11 60 15 10 29 31 6 75 4 00 30 00 50 00 101 25 9 00	
A. Silgili	Digging and laying drains		3,547 91
	10001		\$37,000 00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

To the Thirteenth 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, 1880.

W. C. Baynes, Secretary	Annual Grant	\$ cts.
_		

WM. SMITH,

Deputy Minister of Marine and Fisheries.

To the Thirteenth 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, 1880.

Content Cont	1,400 114 370 36 14 11 11 62 35 24 6
Peverly & Co	43 9 6 7 5 4 2,227

WM. SMITH,
Deputy Minister of Marine and Fisheries.

To the Thirteenth 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, 1880.

		\$	cts.	\$ cts.
G. Hutchinsondo	12 months salary as Director	540		
J. B. Longley	do salary as Keeper \$483 84 do superannuation tax 6 16	5 9 0		
R. P. & W F. Starr.	Coal	490 9	00 84	
J. B. Longley	Repairing flags	5	20	
G. Hutchinson	Repairing flags	. 2	00	
E. Stevens	Bunting Repairs		78 97	
•	⁻			1,026 79

WM. SMITH,
Deputy Minister of Marine and Fisheries.

To the Thirteenth 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, 1880.

		\$	cts.	\$ c
do	7 months salary as Director			
C. Carpmael do	5 do salary as Director	1,190	00	
Menziesdo		833	33	
V. A. Stewart	12 do salary as Observer \$533 25	540	00	
7. F. Davison	12 do salary as Observer \$533 25	54 0	00	
do			00	
Merryfield	12 do salary as Messenger		00	
P Stunest	Extra attendance at night and Sunday		00	
V Powe	Assistance at observations		00	
. V. Payne	do do		00	
longumore? Con Co	Fuel		25	
	Gas		78	
	Premium on insurance		00	
rewn bros	Stationery		85	
ugh Downer	Building instrument cellar		59	
oo Dinghom	Vartilator stamping at		92	
ico I awin & Con	Ventilator, stovepipes, etc		80	
Melas & SUI	Coal		78	
7 Millicen	Painting and glazing		50	
S Keith & Co	Casiftting ate grazing		80	
Mangias	Gasfitting, etc		99	
hos Everefuld	Distilled water		90	
ween Dros	Chemicals.		25	
7 TO Dawison	Dinding		91	
isle & Woodmax	Binding	_	50	
18K & WOOdrun	Gas governor		00	
M. HOWARD	Fuel,		25	
M1118	Taking charge of Directors' house		61	
· 1. Aingston	Paid sundry freight, labour, etc		99	
	Refund—	4,800	00	
I'l' Kimmeton	Balance of credit	114	. 11	

WM. SMITH,
Deputy Minister of Marine and Fisheries.

John Tilton,
Accountant.

To the Thirteenth Annual Report, &c., being Statement of Expenditure for the Removal of Obstructions in Navigable Rivers for the Fiscal Year ended 30th June, 1880.

APPENDIX No. 25

D=		\$	cts.	\$	cts.
H. W. Mutch	Contract for removing sunken barque "Emigrant" in Charlottetown harbour.		•••••	825	00
	·				
		<u> </u>		<u> </u>	

WM. SMITH,
Deputy Minister of Marine and Fisheries.

J_{OHN} TILTON,
Accountant.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement showing the names of members of the Establishment Staff of the Department of Marine and Fisheries, the rank held by each and the salary they severally received, during the Fiscal Year ended 30th June, 1880.

To whom;paid.	Rank.	Period.	Amount.
Hon. J. C. Pope	Minister	12 months salarydo	\$ cts- 7,009 90 3,200 00
W. F. Whitcher	Commissioner of Fisheries	do	2,400 00 2,000 00
John Tilton		Feb., 1880	1,303 54 1,800 00 1,700 00
W. L. Magee F. Gourdeau	do Senior 2nd Class Clerkdo	do do	1,700 00 1,362 50 1,350 00
W. S. Pettigrew M. Graburn	do	do	1,100 00
W. H. Alexander R. N. Venniug	dodo	do	1,000 00 1,000 00 1,000 00 950 00
John Makinson A. Chisholm	do	do	900 00 825 00 725 00
Joseph Pope	Private Secretary	do do Salary from 1st Jan. to 30th June,	300 00
	3rd Class Clerk	Salary from 1st July to 31st Dec., 1879	325 00
		1880	350 00 325 00
Vernon Nicholson		Salary fram 10th July, 1879, to	487 91 400 00
A. H. Belliveau Andrew Halkett Jules Morin Jas. Robertson	do Messenger	12 months salarydo do do do	400 00 500 00 330 00
Jas. Robertson	40		35,083 95

WM. SMITH.

Deputy Minister of Marine and Fisheries.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being a Schedule of Fishery Officers in the Provinces of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island and British Columbia, appointed under the Fisheries' Act (1868), with Districts, Post Office Addresses, Salaries, etc., etc., 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	Super- intendent fish-breed- ing estab- lishments in the Do- minion.	\$ cts. } 2,000 00

PROVINCE OF ONTARIO.

Milliam Pool. Prescott to Rockport. Grenadier Island do 50 00 Henry Hunt Larue's Island Rockport. Lansdowne do 50 00 London Wallace Lindoe Island London Warden 20 00 London Wallace 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. South Nation River, in the County of Prescott Brockville to Cornwall. Brockville to Cornwall do 200 00 How Island Mooney Howe Island And the southern part of the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston Prisburgh and Kingston Rice Lake and part of Lake Ontario, fronting on the County of Northumberland Charleston Lake, Gananoque Lake and River Greer Gananoque River A. J. Harrington. Con McAllister Co Company of Coessarea Warden 50 00 Coessarea Warden 50 00 Coessarea Cornwall Prescott Mood 50 00 Coessarea Cornwall Prescott Mood 50 00 Coessarea Cornwall Prescott Mood 50 00 Coessarea Cornwall Prescott Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00 Coessarea Cornwall Mood 50 00						
Henry Hunt Larue's Island Rockport Rock	T. McGarity	Counties of Stormont and Glengarry.	Cornwall	Overseer	50	AA
John Wallace Lindoe Island 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. John Mooney Brockville to Cornwall Cox Howe Island and the southern part of the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston Pitsburgh and Kingston Charles Gilchrist. Jos. Redmond Charleston Lake, Gananoque Lake and River Grannoque River Charleston Lake, Gananoque Lake Scugog, including Lindsay or Control on the South Control of Charleston Lake, Cananoque River Charleston Lake, P.O. do 50 00 00 00 00 00 00 00 00 00 00 00 00		Dunganati ta Dunlamant	(C	1 3 - 1		
D. McMillan	Henry Hunt	Larne's Island	Rockport	Warden		
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Coteau 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. O. Miron. South Nation River, in the County of Prescott South Nation River, in the County of Prescott Gurran Go 200 09 Howe Island and the southern part of the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston Pitsburgh and Kingston Rice Lake and part of Lake Ontario, fronting on the County of Northumberland Charleston Lake, Gananoque Lake and River Grannoque River Gananoque River Warburton Gananoque River Gananoque River Warburton Lake, P.O. do 50 00 00 00 00 00 00 00 00 00 00 00 00	D. McMiller	Lake St Evensia from Counwell to	Hausuowne	i uo	50	vv
and from St. Régis to Valleyfield, on the south side, including Lake St. Francis and Salmon and La-Guerre Rivers	- monthan	Often de francis, from Cornwait to	l	1		
on the south side, including Lake St. Francis and Salmon and La- Guerre Rivers						
St. Francis and Salmon and La- Guerre Rivers Guerre Rivers South Nation River, in the County of Prescott Brockville to Cornwall Howe Island Wolfe Island and the southern part of the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston Charles Gilchrist W. H. Johnston Tames Greer Gananoque River Lake Scugog, including Lindsay or South Nation River Curran Curran Dundee, P Q Overseer Curran do 30 00 Prescott Howe Island Dundee, P Q Overseer South Nation River do 30 00 Prescott Wolfe Island Picton Wolfe Island Charleston Lake, Gananoque Lake and River Gananoque River Warburton Charleston Lake, P.O do 400 00 Charleston Lake, P.O do 400 00 Charleston Lake, P.O do 400 00 Charleston Lake, P.O do 400 00 Charleston Lake, P.O do 400 00 400 00	1					
Guerre Rivers	}	on the south side, including Lake		1		
South Nation River, in the County of Prescott	ı	St. Francis and Salmon and La-		1 1		
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John Mooney. Brockville to Cornwall. Prescott. do 200 00 Howe Island.	atron	South Nation River, in the County of	_	! I		
Howe Island	John se	Prescott	Curran	do	30	00
the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston	John Mooney	Brockville to Cornwall	Prescott	do	200	00
the County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston	Poun Cox	Howe Island	Howe Island	l do	50	00
The County of Frontenac, comprising the Townships of Storrington, Pitsburgh and Kingston	eter Kiel	Wolfe Island and the southern part of		1		
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The County of Prince Edward	1	ing the Townships of Storrington.	•			
The County of Prince Edward	· 1			l do	200	00
fronting on the County of North-umberland	08. Redmand			l do		
fronting on the County of North-umberland	Charles Gilebrist	Dies Lake and part of Lake Onterio	2 20002 - 200011111111111111111111111111	u u	300	UU
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Ames Greer Charleston Lake, Gananoque Lake Charleston Lake, P.O do 50 00 do 40 00 do 40 00 do Lake Scugog, including Lindsay or	_	me harland	Harmond		400	~~
A J. Harrington Lake Scugog, including Lindsay or	W. H. Johnston	Oliver to the Common of the	1141 W UUU A	ao	400	w
A. J. Harrington Lake Scugog, including Lindsay or	TOURISTON,	Charleston Lake, Gananoque Dake	Charleston Lake D.O.	1. 1		
The state of the s	James Con	and River	Transcon Lake, P.U.	do		
The state of the s	A. J. Barrer	Gananoque River	Warburton	do	40	00
John McAllister Scugog River to its mouth		Have beagon, incident mindsol or				
do Uæsarea Warden 50 00	John M.	Scugog River to its mouth	T OT 0 F OTT A ***************	do	50	60
	McAllister	do do	Cæsarea	Warden	50	00
i	i			l i		
Carried forward 1,590 00	1	Carried forward	********************************		1,590	00
159		159		•	•	

PROVINCE OF ONTARIO-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts. 1,590 00
	That part of the County of Frontenac, north of Loughboro' Lake	Westport	Overseer	100 00
A. D. Sills	Lake shore and inland waters, County of Lennox and Addington, including Amerst Island	1	do	150 00
Charles Wilkins	Waters of the Bay of Quinte fronting on County of Hastings, and from Carrying Place eastward to Mill		do	150 00
James G, Wilcox	River Credit, from mouth of river up	Belleville	i l	300 00
Andrew Hughson	to Norval River Credit, from Orangeville to Norval, together with the Town- ships of Mono, East Garafras, Alkien American		do	50 00
	Albion, Amaranth, Luther and Caledon to Church's Mills Cataract	Orangeville	do	50 00
John W. Kerr Henry Lawe	Whitby Harbor to Moulton Bay Grand River from mouth of Caledonia and that part of Lake Erie extend- ing from South Cayuga to Moulton	Hamilton	do	500 00
Chas. L. Bingham.	BayThat part of the Counties of Norfolk and Haldimand fronting on Lake Erie and extending from the divi-	Dunnville	do	100 00
	sion line between the Counties of Elgin and Norfolk to the division line between the Townships of Rainham and South Cayuga		do	250 00·
Alex. McBride	That part of Lake Erie fronting on the County of Elgin	i	do	50 00
John McMichael	Lake Erie frontage, County of Kent Point Pélée Island	Rond Eau	do	50 00
John Cummins	Point Pélée Island Lake Erie, from mouth Detroit River	Kingsville	Warden	50 00
	to Point Pélée		do	30 00
	mouth of Detroit River	Sandwich	Overseer	200 00
	That part of Lake St. Clair extending from StonyPoint to the division line			
Timathe Values	cluding the mouth of River Thames.	Stony Point	Warden	20 00 50 00
	cluding the mouth of River Thames. Mouth of Thames River to Lewisville. Thames River, from Lewisville to Cashmere	DOLUMETT" ***************	do	40 00
	Thames River, from Thamesville to London	London	do	200 00
J. B. Moody	Sydenham River and tributaries North Branch, Sydenham River, from its junction with the main river at			100 00
Chas. W. Raymond	Lake St. Clair	Mitchell's Bay	do	50 00 50 00
	Baby's Point, on River St. Clair, to Kettle Point, on Lake Huron Kettle Point to Point Clarke, Lake	Sarnia		200 00
	Huron	Goderich	!	100 00
		T OT FREHTHAM	do	4,380 00
	Carried forward	1 2071-1200 203001 20205060 0000004	I	4,300

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

Name District Address Overseer or or or or or or or or or or or or or		PROVINCE OF ONTAR	O—Concluded.			
Geo. S. Miller. Owen Sound to Cape Hard. Owen Sound Overseer. 100 00 Junes Patton. Collingwood to Point Rich. Collingwood of 0 250 00 Mm. McGown Fraser. Point to Byng Inet. Mills of the Collingwood of 0 250 00 Mm. McGown From the County Mosse Patton. Collingwood of 0 250 00 Mm. McGown From the Syng Inet. Georgian Bay. Manitonin Islands and adjacent islands in Lake Haron to Slate Islands in Lake Haron to Slate Islands in Lake Haron to Slate Islands in Lake Superior Superior Islands in Lake Superior Superior Lake Superior	Name.	District.	Address.	or	Salar	۲ y .
Geo. S. Miller. Owen Sound to Cape Hard. Owen Sound open Sound of Manes Patton. Collingwood to Point Rich Collingwood on 250 09 Wm. McGown From Messe Deer Point to Byng Inlet, Georgian Bay Geo. B. Abrey. Manitoulin Island's and adjacent islands in Lake Haron islands in Lake Haron Islands in Lake Island to Pigeon River, Lake Sunce from Cook's Bay to Beaverton Ending Pigeon, Deer, Salmon Trott Stony, Sturgeon and Chemong Lake's Open Privision or East Riding Cook Island Burst His Drang, Eagle, Moose, Receiver Loreked and Other Lakes Harbon Sturgeon Lake, and above Ferencia Palle. Maississip liters and Lake County Victoria, Islands was N. K., County Victoria, Islands was N. K., County Victoria Road do 100 00 Andrew Telfer Bonnechere River and Lake County Islands of Eramosa, Erin, Caledon and Esquessing Grand River and Speed, with their inibitatives in the Townships of Eramosa, Erin, Caledon and Esquessing County Halond Ridge Lakes Muskoka, Rosseau, Joseph, Lake Warden Sturgers and Sixteen Mile Creeks, in the County of Halon Head waters of Saugeen River, and Erin County of Halon Head waters of Saugeen River, and Lake River and Lake Smith's Falls do 50 00 100 00 100 00 100 00 100 00 100 00			: 	 	\$	cts.
Samuel Fraser. Point Cockburn to Mose Point. Midland. do 100 60 Wn. McGiown. From Moses Beer Point to Byng Inlet, Georgian Bay Geo. B. Abrey. Maniculin Islands and adjacent islands in Lake Huron. Little Current Overseer. 160 09 James Dickson. Thessalon River, Lake Huron, to Slate Island. Lake Superior Superior. Slate Island to Pigeon River, Lake Superior. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries on the mong Lakes. Operations of Collins Pigeon. Deer, Salmon-Trout. Stony, Sturgeon and Chemong Lakes. Mose, Redstone, Crooked and other lakes within such limits. Haliburton. do 250 00 Mn. Hastings. Mn. Hastings of Carletone, Lake Guria, Mn. Hastings of Carletone, Lake Guria, Mn. Hastingson, Lakes Muskoks, Rosseau, Joseph, Lake Grand River and Lake. Carleton Place. do 30 00 Mn. B. Renfrew. Sand Frin, Calcado and Exaquesting the tributaries from Brantford upwards. Lakes Muskoks, Rosseau, Joseph, Lake Grand River and its tributaries from Brantford upwards. Lakes Muskoks, Rosseau, Joseph, Lake Grand River and Sixteen Mile Creeks, in the County of Hilton. Head waters of Saugeen Mile Creeks, in the County of Hilton. Head waters of Saugeen River, and Durham. Medical River and County Mn. Mn. Head waters of Saugeen River, and Durham. Medical River and County Brantford. do 50 00 Mn. Mn. Mn. Head waters of Saugeen River, and Durham. Medical River and County Brantford. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn		Brought forward	**************************************		4,830	00
Samuel Fraser. Point Cockburn to Mose Point. Midland. do 100 60 Wn. McGiown. From Moses Beer Point to Byng Inlet, Georgian Bay Geo. B. Abrey. Maniculin Islands and adjacent islands in Lake Huron. Little Current Overseer. 160 09 James Dickson. Thessalon River, Lake Huron, to Slate Island. Lake Superior Superior. Slate Island to Pigeon River, Lake Superior. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Wn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries. Bartie. do 150 00 Mn. Hastings. Lake Simcoe and tributaries on the mong Lakes. Operations of Collins Pigeon. Deer, Salmon-Trout. Stony, Sturgeon and Chemong Lakes. Mose, Redstone, Crooked and other lakes within such limits. Haliburton. do 250 00 Mn. Hastings. Mn. Hastings of Carletone, Lake Guria, Mn. Hastings of Carletone, Lake Guria, Mn. Hastingson, Lakes Muskoks, Rosseau, Joseph, Lake Grand River and Lake. Carleton Place. do 30 00 Mn. B. Renfrew. Sand Frin, Calcado and Exaquesting the tributaries from Brantford upwards. Lakes Muskoks, Rosseau, Joseph, Lake Grand River and its tributaries from Brantford upwards. Lakes Muskoks, Rosseau, Joseph, Lake Grand River and Sixteen Mile Creeks, in the County of Hilton. Head waters of Saugeen Mile Creeks, in the County of Hilton. Head waters of Saugeen River, and Durham. Medical River and County Mn. Mn. Head waters of Saugeen River, and Durham. Medical River and County Brantford. do 50 00 Mn. Mn. Mn. Head waters of Saugeen River, and Durham. Medical River and County Brantford. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn. Mn	Geo. S. Miller	Owen Sound to Cape Hard	Owen Soand	Overseer		
Wm. McGown From Mosse Deer Point to Byng Inlet. Georgian Bay Manitoulin Islands and adjacent islands in Lake Haron Little Current Overseer 160 09 Jos. Wilson Thessalon River, Lake Huron, to Slate Island, Lake Superior Sant Sie Island to Pigeon River, Lake Wilson Sant Sie Island to Pigeon River, Lake Wilson Sant Sie Island to Pigeon River, Lake Wilson Bland, Lake Superior Lake Simcoe and tributaries Wilson Trott Stony, Sturgeon and Obert Lake Simcoe from Cook's Bay to Beaverton Inland waters, Co. Peterborough including Pigeon, Deer, Salmon Trott Stony, Sturgeon and Obert Lakes within such limits Lakefield do 250 00 Daniel Bowen Upper Division or East Riding, Co. Peterborough, comprising waters of Gull and Barnt Rivers and tributaries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits Haliburton do 100 00 James McFadden Andrawater, N. R., County Victoria, north of Sturgeon Lake, and above Penelon Falls Victoria Road do 100 00 W. P. Croome Mississippi River and Lake County Renfrew Wilson River and tist tributaries from Brantford up ards Wilson River and Lakes Victoria Road do 100 00 Wm. E. Foot Lake Sincoe from Cook's Bay to the River and Lakes, County Renfrew Wellington Hull Knifer and Lakes Victoria Road do 100 00 Wellington Hull Knifer and Lakes Victoria Road do 100 00 Wellington Hull Knifer and Lakes Victoria Road do 100 00 Wellington Hull Hondon and Sant River, and Lakes Victoria Road do 100 00 Wellington Hull Knifer and Lakes Victoria Road do 100 00 Wellington Hull Hondon Victoria Road do 100 00 Wellington Hull Hondon Victoria Road do 100 00 Wellington Hull Hondon Victoria Road do 100 00 Wellington Hull Hondon Victoria Road do 100 00 Wellington Hull Hondon Victoria Road do 100 00 Well	Samuel Fraser	Point Cockburn to Moose Point	Widland			
Geo. B. Abrey. Manitoulin Islands and adjacent islands in Lake Huron to Slate Island in Lake Huron to Slate Island, Lake Superior Slate Island to Pigeon River, Lake Huron, to Slate Island to Pigeon River, Lake Warten Superior Alex McKenzie. Lake Simcoe and tributaries Wm. Hastings Lake Simcoe from Cook's Bay to Beaverton George Cochrane. Inland waters, Co. Peterborough including Pigeon, Deer, Salmon Trout Stony, Sturgeon and Ohemong Lakes George Cochrane. Inland waters, Co. Peterborough including Pigeon, Deer, Salmon Trout Stony, Sturgeon and Ohemong Lakes George Cochrane. Inland waters, Sturgeon and Ohemong Lakes George Cochrane. Inland waters, Sturgeon and Ohemong Lakes George Cochrane. Inland waters, Sturgeon and Ohemong Lakes George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane. Inland waters, Nr. Quonty Victoria, Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochrane George Cochran	Wm. McGown	From Moose Deer Point to Byng Inlet,				
Jos. Wilson. Thesalon River, Lake Huron, to Slate Island, Lake Superior Slate Island, Lake Superior Superior Slate Island to Pigeon River, Lake Superior Superior Superior Superior Superior Slate Island to Pigeon River, Lake Superior Supe	Geo. B. Abrev.	Georgian Bay	Parry Sound	Warden	50	00
James Dickson. Slate Island to Pigeon River, Lake Superior	- 1	islands in Lake Huron	Little Current	Overseer	160	00
James McFalden. James McFalden. Mr. Hastings Jake Simce and tributaries Beaverton. George Cochrane. Lake Simce from Cook's Bay to Beaverton. Trott. Stony, Sturgeon and Chemong Lakes. Oper Division or East Riding. Coper Division or East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division of East Riding. Oper Earthoral oper Division o		Island, Lake Superior	Sault Ste. Marie	do	100	90
Alex, McKenzie. Lake Simcoe and tributaries Barrie do 150 00 Wm. Hastings Lake Simcoe from Cook's Bay to Beaverton Lake Simcoe from Cook's Bay to Beaverton Deart Stony, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon and Chemong Lake, Sturgeon Lake, Sturgeon Lake, Sturgeon Lake, Sturgeon Lake, Sturgeon Lake, and above Fenelon Fails. James McFadden Mississippi River and Lake Carleton Place do 30 00 Andrew Telfer Bonnechère River and Lake, Sturgeon Lake	James Dickson	Slate Island to Pigeon River, Lake	•	1	1:00	00
Wm. Hastings Lake Simcoe from Cook's Bay to Beaverton Inland waters, Co. Peterborough including Pigeon, Deer, Salmon-Trott Stony, Sturgeon and Chemong Lakes	Alex. McKenzie	Lake Simcoe and tributaries	Barrie.	do		
George Cochrane. Inland waters, Co. Peterborough including Pigeon, Deer, Salmon-Trott Stony, Sturgeon and Chemong Lakes	Wm. Hastings	Lake Simcoe from Cook's Bay to	1	4	KO	OA.
cluding Pigeon, Deer, Salmon- Trout, Story, Sturgeon and Che- mong Lakes Upper Division or East Riding, Co. Peterborough, comprising waters of Gull and Burnt Rivers and tribu- taries, toggether with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits Inland waters, N.R., County Victoria, north of Sturgeon Lake, and above Fenelon Falls. James McFadden. Andrew Telfer. Renfer River and Lake Orarleton Place W. P. Croome Grand River and its tributaries from Brantford upwards Renfrew Grand River and its tributaries from Brantford upwards Brantford Brant	George Cochrane	Inland waters, Co. Peterborough in-		40	30	00
Daniel Bowen Upper Division or East Riding, Co Peterborough, comprising waters of Gull and Burnt Rivers and tribu- taries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits Haliburton do 100 00 J. R. Graham Inland waters, N. R., County Victoria, north of Sturgeon Lake, and above Penelon Falls. Victoria Road do 100 00 James McFadden Mississipi River and Lake Carleton Place do 30 00 Andrew Telfer. Bonnechere River and Lakes, County, Renfrew Grand River and its tributaries from Brantford upvards Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River Wellington Hull The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing Erin, Caledon and 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 25 00 John Morrow Upper Madawaska Dacre do 25 00 Lakes Muskoka River. Clontarf do 25 00 Lakes Mink and Doré Lakes, Renfrew Geo. Douglas Muskrat Lake and Snake River, Renfrew do 25 00 Lakes Moskoka, Rosseau, Joseph, Lake Thos. McKibbon Mink and Doré Lakes, Renfrew Geo. Douglas Muskrat Lake and Snake River, Renfrew do 25 00 Lakes Moskoka, Rosseau, Joseph, Lake Thos. McKibbon Mink and Doré Lakes, Renfrew Geo. Douglas Muskrat Lake and Snake River, Renfrew do 25 00 Bephraim Deacon. Van Boucher. Waters of Co. Carieton Boucher Go. Belling's Bridge Warden 40 00 Bephraim Deacon. Waters of Co. Carieton South March do 100 00 Bephraim Deacon. Waters of Co. Carieton South March do 100 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling's Bridge Warden 40 00 Belling Bridge Bridge Warden 40 00 Belling		Trout Stony Sturgeon and Che-				
Peterborough, comprising waters of Gull and Burnt Rivers and tributaries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits. J. R. Graham Inland waters, N.R., County Victoria, north of Sturgeon Lake, and above Fenelon Falls. Victoria Road do 30 00 Andrew Telfer. Bonnechère River and Lake. Carleton Place do 30 00 Andrew Telfer. Bonnechère River and Lake. Sand Point do 50 00 W. P. Croome Grand River and its tributaries from Brantford upwards Brantford upwards of Bays and the Magnatetawan River Bracebridge do 125 00 Wellington Hull. The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing Twelve and Sixteen Mile Creeks, in the County of Halton Head waters of Saugeen River, and Irbutaries Durham Overseer. 40 00 Wm. Hicks Upper and Lower Beverly Lakes Delta do 40 05 00 Wm. Hicks Upper Madawaska Dacre do 25 00 Malawaska River. Clontarf do 50 00 Malawaska River Frew Maskar Renfrew Geo. Douglas. Maksrat Lake and Snake River, Renfrew Geo. Douglas. Maksrat Lake and Snake River. Eganville do 25 00 March. Acheson. Lower Allumette to Des Joachims, including Petawawa River Forester's Falls do 40 00 Macob Halfpenny.	h .	mong Lakes	Lakefield	do	250	CO.
Gull and Burnt Rivers and tributaries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits J. R. Graham Inland waters, N. R., County Victoria, north of Sturgeon Lake, and above Fenelon Falls Victoria Road do 100 00 Andrew Telfer Mississippi River and Lake Carleton Place do 30 00 Brantford upv ards Sand Point do 50 00 Wm. E. Foot Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River Bracebridge do 100 00 Eramosa, Erin, Caledon and Esquessing The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing Twelve and Sixteen Mile Creeks, in the County of Halton Head waters of Saugeen River, and Irributaries Rideau River and Canal Bronte Warden 30 00 Mm. Hicks Upper and Lower Beverly Lakes Delta do 50 00 Madawaska River Clontarf do 50 00 Madawaska River Clontarf do 50 00 Mink and Dore Lakes, Renfrew Eramin Deacon Minks and Dore Lakes, Renfrew Eramin Deacon Minks and Dore Lakes, Renfrew Stafford 25 00 March Acheson Lower Allumette to Des Joachims, including Petawawa River South March do 40 00 March Bolling's Bridge Warden 40 00 March do 50 00 March Bolling's Bridge Warden 40 00 March 40 00 Mar	Daniel Bowen	Upper Division or East Riding, Co.	}	1		
Moosé, Redstone, Crooked and other lakes within such limits		Gull and Burnt Rivers and tribu-	·			
J. R. Graham Inland waters, N. R., County Victoria, north of Sturgeon Lake, and above Fenelon Falls. Victoria Road do 100 00 Mississipi River and Lake Carleton Place do 30 00 Bonnechère River and Lake Carleton Place do 30 00 Grand River and its tributaries from Brantford upwards Lakes Muskoka, Rosseau, Joseph, Lake of Bays and the Maganetawan River of Bays and the Maganetawan River The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing Twelve and Sixteen Mile Creeks, in the County of Halton Head waters of Saugeen River, and tributaries Rideau River and Canal Smith's Falls do 50 00 Wm. Hicks Upper and Lower Beverly Lakes Delta do 25 00 Wm. Rideau River and Canal Smith's Falls do 50 00 Mm. Rideau River and Canal Smith's Falls do 50 00 Mm. Rideau River and Canal Smith's Falls do 50 00 Mm. Ricks Upper Madawaska Dacte do 25 00 Mm. R. McDonald Markawaska River. Clontarf do 25 00 Mink and Doré Lakes, Renfrew Bonnechère River Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River, Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake and Snake River Renfrew do 25 00 Muskrat Lake River Renfrew do 25 00 Muskrat Lake River Renfrew do 25 00 Muskrat Lake River Renfrew do 25 00 Muskrat Lake River Renfrew do 25 00 Muskrat Lake River Renfrew do 26 00 Muskrat Lake River Renf		taries, together with Drag, Eagle, Moose, Redstone, Crooked and			1	
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W. P. Croome	Jo	Fenelon Falls.	Victoria Road	do		
W. P. Croome	Andrew Telfer	Mississippi River and Lake Bonnechère River and Lakes, County	Carleton Place	do	30	00
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Wellington Hull Wellington Hull The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and Esquessing Twelve and Sixteen Mile Creeks, in the County of Halton Hugh McFayden Head waters of Saugeen River, and tributaries Robt. Bell Rideau River and Canal John Morrow John Morrow L. Russell Thos. McKibbon Madawaska River Geo. Douglas Arch. Acheson John Grant Lower Allumette and Coulonge Lakes, in the County of Halton Ephraim Deacon Waters of Co. Carieton Maters of Saugeen River Clontarf Clontarf Clontarf do Stafford do 25 00 Renfrew Stafford Stafford do 40 00 Renfrew Stafford Stafford do 40 00 South March South March South March do 40 00 Renfrew Stafford South March South March do South March South March do Date South March Sou				do	! 100	00
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John Morrow Upper and Lower Beverly Lakes Delta do 25 00 John Morrow Upper Madawaska Dacre do 25 00 Jaco, R. McDonald Madawaska River Clontarf do 25 00 Madawaska River do 25 00 Mentre do 25	Q. E. M(11)	Didon Divor and Canal	Smith's Kalls	1 40	1 50	00
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Ephraim Deacon Waters of Co. Carieton Bolingbroke Waters of Co. Carieton Bolingbroke Boling	Arch Achone	Frank Allumette and Coulongs Lakes	Westmoath	do		
River Tay, Co. Lanark	John Grant	Honer Allumette to Des Joschims	, }	1		
Jacob Halfpenny do Billing's Bridge Warden 40 00	Ephraim D	Including relawawa never	Polinghaba		. ===	
baby an	Wm. Boucher	Waters of Co. Carleton	Dodda Marca	wo	100	00
Total	Halfpenny	do	Billing's Bridge	Warden	40	00
		Total			7,275	00

PROVINCE OF QUEBEC.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Wm. Wakeham	Lower St. Lawrence River and Gulf	Gaspé Basin	Officer in charge of Fisheries Protection Service in Gulf and Lower St.	1,200 00
Clovis Caron Jules Gauvreau	Point Lévis to River Ouelle River Ouelle to Point à la Loupe,	L'Islet	Lawrence.	200 00
	Point à la Loupe, Green Island, to	Isle Verte	do	
L. E. Grondia	Rimouski River (same included) Rimouski to River Blanche	40	do	100 00 100 00
George Gagner	River Blanche to Cape Chatte	Matane	do Warden	1 9 0 00 30 00
Phileas Dubé	Inland waters, County Témiscouata Lake Témiscouata and neighbouring waters, County Témiscouata		!!!	30 00
Alfred Blais	Lake Matapedia and River Matepedia to Causapscal	Causapscal	·	100 00
J. J. Letourneau	Cape Chatte to River Ste. Anne des	Ste. Anne des Monts	_ i	100 00
P. Vibert, jun	York, Dartmouth and St. John Rivers, Gaspé Basin, to Point Maquereau		,	200 00
John Phelan	Point Maquereau to Paspebiac Point	Port Daniel		50 00
R. W. H. Dimock.	Paspebiac Point to Magnasha Point	New Richmond	do	200 00
John Mowat	The Restigouche River, in the Counties of Rimouski and Bonaventure, including also the waters of Bay			4CU 00
L. P. Huot	des Chaleurs Lakes Philippe, Gagné and adjacent Lakes, and the Island of Orleans		do	100 00
U. Bhéreur	River du Gouffre to Canard River, inclading inland Lakes adjacent to		do	
M41 . M 11	Murray Bay and St. Paul's Bay	Murray Bay	do	50 00
Jos. Simard	Lakes in rear of Murray Bay and	Bay St. Paul		30 0 0 40 00
Antoine Filion		St. Agnés Bay St. Paul	do	30 00
	Counties of Chicoutimi and Saguenay	Tadousac		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
oo biiodeau	Lake St. John and tributaries, Upper	Makabashassas	a .	50 0 0
Joseph Boils	Saguenay Escoumains to Bersimis	Metabechouan	do	50 00
F. Duchesne	North Shore, from Maniconagan to	TILLE VAULUS	do	50
	Point des Monts, including Becscie,		l . i	
J. O. Belanger		Godbout	do	150 00
	including Trinity and Pentecost		1	
G. Mathurin		Montmagny	do	150 00
i	Kiver	do	Overseer	150 00
G. L. Duguay	Esquimaux Point to Sheldrake River.	Port Daniel	do	100 00
i i	ı ı			
1	Carried forward	************		4,160 00

PROVINCE OF QUEBEC-Continued.

P. McLeod. Washeecotai Division, comprising the Rivers Kegaslen, Musquarro, Washeecotai and Olomanosheebob L'Islet	Name.	District.	Address.	Overseer or Warden.	Salary.
Washecootai Division, comprising the Rivers Kegashen, Musquarro, Washecootai and Olomanosheebook. Vislet		5			\$ cts
the Rivers Kegashca, Musquarro, Washeecootia and Olomanosheebook. Islect. Overseer 100 00 Watsheehoo District, from Ateepetal Bay West to Little Watsheehoo River East St. Jean Port Joli Warden 150 00 River Agwanus, Nabissippi and Natashquan Legonvé St. augastine Division, from Cape White to Checatica Gaspé Basin Warden 100 00 Nathylie to Checatica Gaspé Basin Warden 100 00 Mr. W. H. Whitely Boane Repérance Division, from Checatica to Blane Sablon Boane Espérance do 100 00 Amherst Overseer 100 06 Ant. Chevrier Montreal St. Lawrence around Islands of Montreal St. Lawrence around Island of Montreal St. Lawrence around Esperance do 100 06 Montreal St. Lawrence around Esperance do 100 06 Montreal St. Lawrence around Esperance do 100 06 Montreal St. Lawrence Sherbrooke do 100 06 Mr. W. O. Willis Waters in Districts of St. Francis Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of St. John to Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Strome Sherbrooke do 150 0 Mr. C. Williamson Lake Memphermagog, in the Counties of Stansteed and Adjoining Islands Sherbrooke do 150 0 Mr. C. Laterge That part of the River St. Lawrence from the County of Mr. Miller St. 150 0 Mr. C. Lake Megautic Sherbrooke		Brought forward			4,160 00
P. C. Gobeil Watsheehoo District, from Ateepetal Bay West to Little Watsheehoo River East St. Jean Port Joli Warden 150 00 River East St. Jean Port Joli Warden 150 00 River East St. Jean Port Joli Warden 150 00 River East St. Jean Port Joli Warden 150 00 River Agwanus, Nabissippi and Natashquan Montmagny Overseer 150 00 River Agwanus, Nabissippi and Natashquan Montmagny Overseer 150 00 River East and Bland Montmagny Overseer 150 00 River East and East a	V. McLeod	the Rivers Kegashca, Musquarro,	1		
C. Mignault Westen Division Natashquan, including River Agwanus, Nabissippi and Natashquan ing River Agwanus, Nabissippi and Natashquan ing River Agwanus, Nabissippi and Natashquan ing River Agwanus, Nabissippi and Natashquan St. Augustine Division, from Cape Whittle to Checatica May siden Islands Amherst Overseer. 100 of Montreal May siden Islands Amherst Overseer. 100 of Montreal May siden Islands Maherst Overseer. 100 of Montreal May siden Islands Maherst Overseer. 100 of Montreal St. Lambert do do Ottawa River, from Oka to Carillon St. Lambert do 40 of Montreal St. Lambert do .	C. Gobeil	Watsheehoo District, from Ateepetal		i	100 00
Legouvé. St. sugastine Division, from Cape Whitle to Checatica Gaspé Basin Warden 100 00	r. Mignault	. Western Division Natashquan, includ-		Warden	150 00
W. H. Whitely to Checatica Gaspé Basin Warden 100 of Carica to Blanc Sablon Bonne Espérance do 100 of 100 of Carica to Blanc Sablon Bonne Espérance do 100 of 100 o	Legonyé	Natashquan St Jugastine Division, from Cape	Montmagny	Overseer	150 0 0
Ant. Chevrier. May ialen Islands Mamberst Overseer. 100 for Montries. Kiver St. Lawrence around Island of Montreal. St. Lambert do Overseer. 100 for Montreal. 100 for Montreal. St. Lambert do Overseer. 100 for Montreal. 100 fo		Whittle to Checatica	Gaspé Basin	Warden	100 00
R. W. Jones Ottawa River, from Oka to Carillon, North side Ottawa River, from Oka to Carillon, North side Ottawa River, from Oka to Carillon, North side Ottawa River, from Oka to Carillon, North side Ottawa River, from Oka to Carillon, Rigaud Octawa Ottawa River, from Oka to Carillon, Rigaud Octawa Ottawa River, from Oka to Carillon, Rigaud Octawa Octawa River, from Oka to Carillon, Rigaud Octawa Octawa River, from Oka to Carillon, Rigaud Octawa Octawa River, from St. John Octawa	Ant. Chevrier	catica to Blane Sablon	Bonne Espérance Amherst	do Overseer	100 00 100 00
Jos. L Lamoureux. Ottawa River, from Oka to Carillon, South side — Riyer Jesus and Des Prairies — Terrebonne — do 100 0 W. C. Willis — Waters in Districts of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in Districts of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in Districts of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in Districts of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in District of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in Districts of St Francis — Sherbrooke — do 150 0 W. C. Willis — Waters in District of St Francis — Chambly — do 200 0 W. C. Willis — Waters in District of St Francis — Chambly — do 200 0 W. C. Willis — Waters in the Counties of Stanstead and Brome — Chambly — do 200 0 W. C. Willis — Champlain — Chambly — do 200 0 W. C. Well — Water St Lawrence fronting Counties of Richelie — River St Lawrence fronting Counties of Berthier and Maskinonge — River Chale — Maskinonge — River Gounty of Terrebonne — Chateauguay River and tributaries — Huntingdon — Overseer — 150 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — Overseer — 50 0 W. C. Clyde — Chateauguay River and tributaries — Huntingdon — 50 0 W. C. Clyde — Chateauguay River and	_	Montreal	St. Lambert	do	200 06
Jos. Lauzon River Jesus and Des Prairies Trerbonne do 100 0 W. C. Willis Waters in Districts of St Francis. Richelieu River and tributaries from Sorel to St. John Sorel to St. John Chambly do 200 0 J. P. Williamson Lake Memphremageg, in the Counties of Stanstead and Brome Richelieu River, from St. John to Lake Champlain Derville do 100 0 Pierre Latraverse. That part of the River St. Lawrence bordering on the Counties of Richelieu, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands L. J. Loranger. The inland waters of the County of Terrebonne fronting Counties of Berthier and Maskinonge Richelieu, Yamaska and Berthier and Maskinonge St. Sauveur Overseer St. Sauveur Overseer Ending Counties of Berthier and Maskinonge Richelieu River St. Lawrence fronting Counties of Berthier and Maskinonge St. Sauveur Overseer St. Sauveur Overseer St. Sauveur Overseer St. Sauveur Overseer St. Sauveur Overseer St. Sauveur Overseer St. Sauveur Overseer St. Fr. Piciotin St. Francis River Drummondville Warden 25 (Wr. Clyde Chateaugusy River and tributaries River Chateaugusy River and tributaries River Chateaugusy River and tributaries St. Francis River Chateaugusy River and tributaries Chateaugusy Basin do 50 (Ch		North side	St. Andrews	do	40 00
W. C. Williss	_	South side	Rigaud	do	40 00
J. P. Williamson. Lake Memphemagog, in the Counties of Stanstead and Brome. Of Stanstead and Brome. Richelieu River, from St. John to Lake Champlain. That part of the River St. Lawrence bordering on the Counties of Richelieu, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands. L. J. Loranger. The inland waters of the County of Terrebonne. J. B. McDonald. J. F. Picotin. Myn. Clyde. J. Laberge. Alexander Beaton Thomas Evans. Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Morin, in the County of Terrebonne. The inland waters of the Counties of Joliette and Berthier The inland waters of the County of Argenteuil, and those of the Seigniory of Mile Isle and Township of Morin, in the County of Terrebonne. The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier The inland waters of the Counties of Joliette and Berthier Lakefield Lak	W. C. Willis H. W. Austin	River Jesus and Des Prairies	Sherbrooke	do	100 00 150 00
of Stanstead and Brome Richelieu River, from St. John to Lake Champlain That part of the River St. Lawrence bordering on the Counties of Riche- lieu, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge The inland waters of the County of Terrebonne The inland waters of the County of Terrebonne St. Sauveur The inland waters of the County of Terrebonne St. Fancis River The Chateauguay River and tributaries River Chateauguay, from mouth to village The inland waters in rear of the County of Argenteuil The inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Thomas Evans Tolerander The inland waters of the Counties The inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne The inland waters of the Counties of Joliette and Berthier The County of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The county of Ottawa The County of Ottawa The county of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The County of Ottawa The county of Ottawa The County of		Sorel to St. John	Chambly	do	200 0
Pierre Latraverse. That part of the River St. Lawrence bordering on the Counties of Richelien, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands Sorel Warden. L. J. Loranger. That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge Street in the inland waters of the County of Terrebonne. Missisquoi Bay in Lake Champlain and Pike River St. Felix de Valois. J. Labergo. Alexander Beaton The inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne. Lakefield. Jos. Marion. County of Ottawa Druminodville. Marion. Deville. Bievdu-Loup (en hant) do 40 do		→ of Stanstead and Brome	. Georgeville	do	100 0
Olivier Laffèche That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge		Lake Champiain That part of the River St. Lawrence bordering on the Counties of Riche	el -,	do	100 0
I. J. Loranger	Olimentary	Province of Quebec, including Sore	li Soral	Warden	100 0
The inland waters of the County of Terrebonne. P. E. Luke Missisquoi Bay in Lake Champlain and Pike River Phillipsburg do do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Francis River Phillipsburg do 100 (Br. Picotin St. Film March Phillipsburg do 100 (Br.	onvier Laffeche	fronting Counties of Berthler and	1;	1	 40.0
Missisquoi Bay in Lake Champlain and Pike River		The inland waters of the County o	f St San-on-	1	
J. B. McDonald. Lake Megantic Echo Vale do 100 (J. F. Picotin. St. Francis River. Drummondville Warden 25 (Wm. Clyde Chateauguay River and tributaries Huntingdon Overseer. 50 (Alexander Beaton The inland waters in rear of the County of Argenteuil Lost River, P.O., Harrington do 30 (Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield do 30 (Dos. Marion County of Ottawa Hull. St. Felix de Valois 100 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa Hull. 200 (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion County of Ottawa (Dos. Marion Chateauguay Basin (Ot	P. E. Luke	Missisanoi Bay in Lake Champlair	n l	1	i
Wn. Clyde Chateaugusy River and tributaries Huntingdon Overseer 50 (Laberge River Chateaugusy, from mouth to village Chateaugusy Basin do 50 (Alexander Beaton The inland waters in rear of the County of Argenteuil Lost River, P.O., Harrington do 30 (Thomas Evans Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield do 30 (P. C. Ducharme The inland waters of the Counties of Joliette and Berthier St. Felix de Valois 100 (Jos. Marion County of Ottawa Hull do 200	J. B. McDonald	Teks Magantia	Echo Vole	1 40	100.0
Alexander Beaton Alexander Beaton The inland waters in rear of the County of Argenteuil					25 0
Alexander Beaton The inland waters in rear of the County of Argenteuil	J. Laberge	hiver chaleauguay, nom mount	VĮ	1	1
Thomas Evans Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield do 30 do P. C. Ducharme. The inland waters of the Counties of Joliette and Berthier St. Felix de Valois 100 do 200	Alexander Beator	The inland waters in rear of the County of Argenteuil	Chateauguay Basin le Lost River, P.O., Hai	do	50 0
the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield do 30 do P. C. Dacharme. The inland waters of the Counties of Joliette and Berthier St. Felix de Valois 100 do County of Ottawa Hull do 200	Thomas Evans	. Inland waters of the Townships of	of	. do	30 0
P. C. Dacharme County of Terrebonne		the County of Argenteuil, an those of the Seigniory of Mil	d e		Para Addition of the Paragraph of the Pa
County of Ottawa Hull do 200	P. C. Dash	1 ~ (m) 1	/r _1C_1_	. do	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Jos. Marion.	Joliette and Berthier	St. Felix de Valois	do	100 (
			1	1	

PROVINCE OF QUEBEC—Concluded.				
Name.	District.	Address.	Overseer or Warden.	Salary.
V. Veilleux	Brought forward	St. Mary's Lake St. Eprim de Tring	Warden do	40 00
J. T. Coghlan	from Ottawa County line, west to River Coulonge		<u> </u>	
D. D. Foster	from River Coulonge, west to Des Joachims Brome Lake	Waltham Knowlton	do Warden	40 00 25 00
	Total			6,890 00

PROVINCE OF NOVA SCOTIA.

W. H. Rogers	Nova Scotia		Inspector of Fisher- ies	}1,200) 0 0
	Annapolis County.				
A. F. Morton Geo. Vroom Wm. Crosscup W. A. Rice W. M. Bailie M. Riordan Holmes Baker	Annapolis County Annapolis River Bear River (South side) Bear River (North side) Annapolis River Round Hill Annapolis and Langille Rivers From Laurenceton to County line Nictaux River	Wilmot Bear River do Bridgetown Round Hill Annapolis Williamstown	Warden do do do do	25 25 25 25	9 0
	Antigonish County.				
John McDonald Angus McDonald	Antigonish County		Overseer	125	00
J. R. Aymer	to lake, from Marsh up to Monastery Brook, including French Settle- ment Brook and Tarbitts From mouth of Harbour to Forks, from thence on the Pomquet River to V. Chisholm's Mills, and from Forks	Trasadie	Warden	25	00
Albert Randall	on the Black River to Falls From shore to lake	Pomquet Forks, Antigonish Bayfield, W.O	do	15 15	00
	liams or St. Andrew's Bridge		do	25	00
		Upper South River,	do	30	00
John Cumming	From Fraser's Bridge to County line at head of lake	Upper South River, Antigonish	do	20	00
	Carried forward	**************		1,785	00
	164		•		

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NOVA SCOTIA-Continued.

Name.	Distriet.	Address.	Overs or Ward	1	Salaı	r y .
			\$	cts.	\$	cts.
	Brought forward	***************************************	********	••••	1,785	UU
	Antigonish County-Concluded.			}		
John Dexter	From Antigonish Harbour (foot of marsh), to Trotter's Mill Brock, thence up said Brook to Trotter's Mill, including both branches of					•
Donald Chisholm	West River and Bailey's Brook From Trotter's Mill Brook to W. Thompson's Dam	Antigonish	ì	n [30	00
A3	-	ish.,	do		25	00
alex. Macadam	From Thompcon's Dam to Addington Forks' Bridge	West River, Addington Forks, Antigonish	do		25	00
	Bridge, including Jones River and Beaver River		do		25	00
Duncan Fraser	From Pinkeytown Bridge to Stewart's Mill		do		20	6 0
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			•••	20	• •••
	Branch	St. Andrews	do		25	00
	bing Head, St. George's Bay		do		25	00
	Cape Breton County.					
Prancis Quinan	From Low Point to South Head of Cow Bay, and north side of Mira Bay, including Salmon River and					
*********	Sydney River	1	Words	er		00
wm. Burke	Mira Bridge and Trout Brook	Burke's Bridge, Mira	do		25	00
Thos. Moore	Salmon River	Grand Mira, Arichat	do			00
Donald McDonald.	Sydney River and Forks	Lingan	do			00
York Barrington	Sydney River and Forks 'ill Brook North of East Bay to Head of Sydney River, including part of Boularderie			•••		08
Alex. McDonald	Island South of Feet Ray to Salmon River	Sydney Mines	Overse do	er		00
Allan McAdam	South of East Bay to Salmon River Eskasoni Marion Bridge, Mira Ponds Sydney Mins	Eskasoni	Warde	n	25	00
Dennis Mumber	Marion Bridge, Mira	Marion Bridge, Mira	do	i		00
H. McLellen	Rory Brack's Brook North West Brock, Grand Lake and	Rory Brack's Brook	do		25	00
Donald M' Commant	tributaries	Loitabo's Crook W O	do do			00
Arch'ld McDonald	d'Or Lake	Benacadie, W.O Ball's Creek	do do			00
	Carried forward		 		2,675	00

PROVINCE OF NOVA SCOTIA.—Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward	######################################		\$ cts- 2,675 00
T. Johnston George Fulton	Stewiacke River (lower portion) Salmon River	Salmon River StewiackeRiver, Brook- field	Overseer Warden do	75 00 25 09 25 00
J. W. Davison J. Urquhart Robt. R. Fulton. T. Davidson, 2nd George Moore Mat G. Murray William Winton Alfred Wright Henry Blar Henry Urquhart	Northern Division, Co Colchester, comprising Tatamagouche Bay, French and Waugh's Rivers	Tatamagouche Upper Economy. Tatamagouche River. Londonderry Portapique, W.O Economy. Truro Lower Stewiacke do North River Londonderry	do Warden do do do do do Voerseer Warden	50 09 100 00 50 00 25 00 25 00 25 90 25 00 25 00 25 00 25 00 25 00 25 00
Oliver Fillmore John W. Moore Thos. R. Smith F. W. Lowther James King Oavid Corbett Moses Harrison C. Pugsley Francis L. Jenks Wm. Murphy Elijah Fowler	Cumberland County. Cumberland Co., Eastern Division, embracing all streams emptying into the Straits of Northumberland	Oxford. River Philip	Warden do do Verseer Warden do do do	100 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 30 00
Abraham L. Gavil,	Digby County. Digby County. Joggins River. St. Mary's Bay. Sissaboo River. Brier and Long Island.	Hillsburg Digby St. Mary's Bay. W.O	Overseer Warden	120 00 25 00 25 00
James A. Tory	Guysborough County. Guysborough County Carried forward		i	150 00 4,180 00

PROVINCE OF NOVA SCOTIA - Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward	***************************************		\$ cts
,	Guysborough County-Continued.			
James Cook	Salmon River, from mouth to Gra-	Salara Piara W.O.	NV 1	05.00
	ham's West Line From Graham's West Line to foot of Neil's Lake, including North Branch	Salmon River, w.O	warden	25 00
Charles Kenny	From foot of Neil's Lake to Beaver Dam Lake, inclusive, and all the	do	do	20 00
D	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		do	30 00
William Pride	Hurley's Lake From mouth of St. Mary's River to Sinclair's Point, including stream	!	do	30 00
Thomas McKeen	from Wine Harbour to Lake From Forks to County Line, includ- ing McQueen's Mill and Brook, to	Sherbrooke, St. Mary's	do	30 00
J *	Leke	Melrose	do	30 00
Robert McKay	From Forks to Indian Man's Brook From head of tide to head of Inter- vale, on the North Branch, and to Cameron's Mill, on the Valley		do	2 5 00
don -	Branch	vala W ()	do	15 00
	From mouth of Clam Harbour River to Upper Falls	Guysborough	do	10 00
D. A. M. D.	From Beach to Falls, including North West Brook.	New Harbour, W.O	Warden	15 00
McDonald	St. Mary's River	brooke	do	40 00
Adam Kirk	District of St. Mary's			100 00
Wr. M.D.	Halters', on the west alver	Cillimator		30 00 25 00
	St. Mary's River		go	20 00
-a-borroom	2 1011 210 011 10 -1110 0- 2-1110 -11110	D:	do	15 00
Frederick Mattie	West River, St. Mary's, from Wallace Bridge to head of RiverTracadic River, in Counties of Guys- borough and Antigonish.	11	do	26 00
	borough and management with	Antigonish	do'	15 00
Angus Cameron	East River, St. Mary's	Fast Diver	do	25 00
James Henderson Samuel Hudson	Isaac Harbour and River	Isaac's Harbour	do do	25 00 25 00
(Towns son)!	Country Harbour River, from Bridge at Narrows to mouth	Country Harbour	do	25 90
	including harbours, rivers and lakes between these places		do	25 00
				4,785 00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

	PROVINCE OF NOVA SOC	TIA - Continued.			
Name.	District.	Address.	Overseer or Warden	Salar	·y.
	Brought forward			\$ 4,785	c ts 00
•	. Halifax County.				
	Halifax County, East Division, Dart- mouth to Ecum Secum	Musquedoboit Harbour	Overseer	150	00
James Blakely	From Ship Harbour to Chezzetcook, inclusive	Ship Harbour	Warden	30	00
	Sheet Harbour	Sheet Harbour	do		00
9	From Peggy's Cove to Terrance Bay,	Portuguese Cove	Overseer	150	60
	Nine Mile and Prospect Rivers From Hubert's to Peggy's Cove, Mar- garet Bay, Ingraham and Indian	Spryfield		40	00
	Rivers	Margaret Bay, Peggy's	3.	40	00
Daniel Mosher	Cow Bay Run	Cow Bay, Dartmouth.	do		09
Donald McCleam	Chezzetcook River	Chezzetcook River	do		00
John McCurdy	Salmon River	Middle Musquodoboit	do		00
	Middle Musquodoboit. Tangier River	Tangier River	do	30	00
Jas. Gardner	Musquodoboit Harbour	Hubbard's Cove Musquodoboit Harbour	l do!		60
John Taylor	Little Musquodoboit River			30	00
Geo. Parker	Upper Musquodoboit	River Musquodoboit	ا ۔ ا		00
John Frazer	Moser's River and Ecum Secum and Smith's Brook		!	_	00
Geo. Keizer Wm. Geo. Walker	Lake Porter and streamsLittle Salmon River	Lake Porter	l do		00
	Big Salmon River or Lawrencetown	Preston Road	do	2 0	00
	River	Lawrencetown	do		09
F. G. Tolson	Sackville River	Sackville River	do	40) 00
	Hants County.				
P. S. Burnham	Hants County, Western Division, from	, 1 			
John B. Colter	Western County Line to Walton Shubenacadie River	Milford	Overseer	100) 0 9) 00
	Rivers Meander and Hebert, from	Brooklyn	Warden	30	00
	East Division, from Walton to Col	Maitland	Overseer	100	•0
-	Kennetcook River, from mouth to	Newport	Warden	50	00
Joseph M. O'Brien.	Walton and Kennetcook Rivers	. Maitland	. do	30) 0 0
	Inverness County.				
David Ross		N.E. Margaree	Overseer do	100	0 00
	Frem mouth of Margaree River to South-west Chapel	. Forks, Margaree, W.O.	, do	2	5 00
Neil McKay	Upper Waters and tributaries, Mar	-1	i	2	5 00
	Carried forward		ļ	6,24	~ ~

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward Inverness County—Continued.			\$ cts. 6,240 00
Peter Benvie. M. B. McDonald Donald McDonald. John McLean Hugh Cameron Moses Murphy	Inverness County, Western Division Mabou River	Mabou, Brook Village. River Dennis, W.O River Inhabitants, W.O Broad Cove. S.W. Mabou N.E. Margaree	do do do do do do	100 00 25 00 25 00 25 00 25 00 25 00 25 00
Daniel McDermid	From his own residence to Big Intervale From Bridge to Forks, North-east Margaree River	N.E. Margaree	do	25 00 25 00 25 00
	do do From Crowdis Bridge to Warden McDermid's residence	do	do do	25 00 25 00 25 00
Angus McFarlane	Trout River	Lake Ainslie Upper S.W. Margaree	do	25 00 20 00
John P. McFarlane	Margarec Harbour Long Point and Judique Rivers	Margaree	do	25 00 25 00 25 00
	King's County.			
John E. Starr W. McIntyre R. F. Reid C. E. Bishop Jos. Angus	King's County Annapolis River King's County Gaspereaux River do	Port William Kentville Horton	Overseer Warden Overseer Warden do	250 00 50 00 125 00 30 00 30 00
Geo. Moland Isaiah Besancon David Demon John Hutt Edward Boylan Jas. Langille. Hy. S Jost Chas. Pernette	Lunenburg County. Lunenburg County, Fast Division, Middle, Gold, Martin's and Mushamush Rivers. Eastern River. Middle River. Lower Gold River. Gold River, Upper. Martin's River. Lunenburg County, West Division. From mouth to Lahave River to Wilkie's Cove to Henry Koch's March's Lower's	Chester do do Basin Lower Gold River Peech Hill, Chester New Russ Chester Lunenburg.	do do do do do Overseer	25 06 25 06 25 06 25 06 25 06 25 06 100 96
B Rothenhiser John Andrews Geo. A. Nesbitt	Wilkie's Cove to Henry Koch's From Henry Koch's to Knock's Knock's to source of Lahave River Mushamush River Petite River, mouth to Wallace Brook Carried forward	Bridgewater Mahone Bay. Petite River	. do	25 00 25 00 25 00 7,745 00

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PROVINCE OF NOVA SCOTIA—Continued.

Name.	District.	Address.	Overseer or Warden.	Salar	y
	Brought forward			\$ 7,745	cts. 00
	Lunenburg County-Continued.				
Eli Hebb	Petite River, from Wallace Brook to				
	source				^^
William Croft	East Gold'River, from Bongard's Point to Gold River Branch, thence to Clark's, Clinton's and Henry's				00
	Lakes	Chester Basin	do	25	v
Duncan G. McDon-	Pictou County.				
ald	Pictou County, East Division, in- cluding Sutherland's, French and Barney's Rivers, Bailey's Brook and Shore Fishery from Pictou Harbour				
William Turner	Barney's River	Lismore	Overseer	170 25	
Donald McDonald	Sutherland's River	New Glasgow	do	25	09
Geo. Foote	Bailey's Brook	Bailey's Brook, W.O	1 dal	25 30	00
	cluding Middle, East, West, Cariboo, Tomey and John Rivers		Overseer	140	00
Wm. McDonald	French River	French River	Warden	25	00
Alex. Douglas	East RiverMiddle River	New Glasgow Middle River	do		00
Arch'd Porteous	West River	West River	do	25	00
George McKenzie	River John	Cariboo River	do	25	00
	Bridge to Head Branch Lake	Barnev's River. W.O	4 3	25	00
Wm. McKet.zie	Fork and West Branch Lake East River of St. Mary's and Garden	Hopewell	do	25	00
Thomas Fraser	Lake East River, from Tide Head to Grant's	Garden of Eden	do	20	00
	Factory East Branch Barney's River, from Sutherland's Marshy Hope to Bar-	Island Hopewell	do	25	00
A. C. Pritchard	ney's River Central Pictou County, including Middle, East and West Rivers		!	25 150	00
	Queen's County.	New Glasgow	Overseer	150	••
Saml. T. N. Sellon Theodosius Ford	Queen's County Port Liverpool			225	
Henry Hooker	Puddingpan Island to Toby's Island,	Milton	1		00
	up Port Medway River to Dog Cove From Steam Mills to Salter's Falls on	Port Medway	i	• -	00
Barnabas Miles	Port Medway River		l i		00
	_			9,110	00

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts 9,110 00
	Richmond County.			
Duncan Cameron	Eastern Division, from River Bour- geois to East Boundary of County, including said river	ì	0	105.00
" (a licis Marmeau.	Western Division, from River, Bour-	Grand River, W.O	Warden	125 00 30 00
P. W Gronehy	geois to West Boundary of County. Decousse River	Arichat	Overseer	125 00
John Proctor, sen	Inhabitants River	Port Hawkesbury	do	30 00 20 00
Abraham Sampson	Petit Degrat Inlet	Petit Degrat	do	30 00
Charles Crant	River Inhabitants	L'Ardoise	do	30 00
*********	West Bay, Black River	West Ray	do	20 00 30 00
Geo. Donahue	River Moulin	River Moulin, Gran-		00 00
Pote: 1 Tr.	D: m:	digue Ferry, W.O	do	30 00
Felix Garroir	West Bay, Black River. River Moulin River Tier. Grand Ruisseau	River Tier, St. Peters	do	25 00
~ derroit	Grand Indissead	chat	do	25 00
William Kehoe	False Bay and Breen's Brook	River Bourgeois, W.O	do	25 00
W	Shelburne County.	,	_	
M. Greenwood	Shelburne County	Shelburne	Overseer	125,00
George Archer	Shelburne County	Shelburne	warden	20,00
Geo. Ryer	Roseway River	do	do	30, 00 50, 00
			do	50 00
	Green Harbour			00.00
P. Crowell	Barrington River	Barrington	do	20 00 20 00
1 m =	Victoria County.			
W. Burke	Victoria County, North Division, from	T		,
			do	120 00 120 00
John McLellan	do South Division	Middle River, W.O.,	40	120 00
Jno. McRae(Rory's		Baddeck	Warden	25 00
		McLeod. W.O	do	25 0 0
			do	25 00
		do	do	25 00
	1.			
	Baddeck River	North River, W O	do	25 00
	do North River Baddeck River and tributaries	North River, W.O Baddeck	do do do	25 00 25 00
	do North River Baddeck River and tributaries Entrance of Baddeck River	do	do do do	25 00 25 00 25 00 25 00
Donald McAuley Hector McKenzie Donald McRae Frs. McGregor Angus McDonald	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River	North River, W.O Baddeck	do do do do	25 00 25 00 25 00 25 00 23 00 30 00
Donald McAuley Hector McKenzie Donald McRae Frs. McGregor Angus McDonald Roderick Parameter	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River Indian Brook	North River, W.O Baddeck	do do do do do	25 00 25 00 25 00 25 00 30 00 30 00
Donald McAuley Hector McKenzie Frs. McGregor Angus McDonald Roderick Beaton Willian	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River Indian Brook Hume's River	North River, W.O Baddeck	do do do do do do do	25 00 25 00 25 00 25 00 23 00 30 00
Donald McAuley Hector McKenzie Frs. McGregor Angus McDonald Roderick Beaton Willian	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River Indian Brook Hume's River	North River, W.O Baddeck	do do do do do do do	25 00 25 00 25 00 25 00 30 00 30 00 30 00 30 00 30 00
Donald McAuley Hector McKenzie Donald McRae Frs. McGregor Angus McDonald Roderick Beaton William Foyle John McCharles Donald Bochaman	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River Indian Brook Hume's River Peter's Brook Upper Settlement. Barachois River	North River, W.O	do do do do do do do do do	25 00 25 00 25 00 25 00 30 00 30 00 30 00 30 00 30 00 30 00
Donald McAuley Hector McKenzie Donald McRae Frs. McGregor Angus McDonald Roderick Beaton William Foyle John McCharles Donald Bochaman	North River Baddeck River and tributaries Entrance of Baddeck River Washabuck River Indian Brook	North River, W.O	do do do do do do do do do	25 00 25 00 25 00 25 00 30 00 30 00 30 00 30 00 30 00 30 00

PROVINCE OF NOVA SCOTIA-Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward Victoria County—Continued.			\$ cts. 10,650 00
Jos. Hellen John McDonald	Salmon River, Bay St. Lawrence Cape North	Bay St. Lawrence, W.O Cape North Baddeck	Warden do do	
	Yarmouth County.			
J. A. Hatfield	Yarmouth County From Raynard's Falls to Lower Nar-	1		ì
3071111 17 1	rows, fusket River		Warden	
William Kavanagh	Gurrill's Bridge to Coldstream Branches of River above Raynard's	do	do	25 00
	Falls	do		25 60
Eustace Nickerson	Salmon River	Yarmouth	do	25 00
Edward Perry	Little River	do	do	25 00
Jerome Doucet	Tusket Forks	Tusket	d o	30 00 25 00
				25 00
Wm Thurston con	Eel Lake Chegoggin River	Charagain River	do	1 05 6 0
J. I. Brand	Pubnico and Argyle	West Pubnico	do	i ο σ 00
	Total	1	1	11,165 00

PROVINCE OF NEW BRUNSWICK.

W. H. Venning	New Brunswick	St. John,			1,400	00
C. R. Venning		do	•••••	Fisheries Clerk	400	00
1	Albert County.					
Wallace Taylor	County of Albert	Coverdal	e	Overseer Warden	100 40	0 0
Jacob Beck	Chester Bay	Hillsboro		do	30	00
Bartlet Oliver	Germantown Lake and Shepody River Rocher Bay	Watersid	e	do	40	00
	Carleton County.			1		
W. B. Mills	Miramichi River (S.W.) from Head Waters to Forks	Foreston		Orongoon	150	00
Geo. R. Burt	St. John River and tributaries, from Long's Creek to Tobique River			1		
J. W. Scott	St. John River, from Eel River to Woodstock)		1	ı	00
	W OOUSLOCK	Canternu	ıry	warden		
	Carried forward172		•		2,370	90

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden.	Salar	·y.
ĺ				\$	cts.
	Brought forward	********		2,370	00
	Charlotte County.				
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
	St. Croix River and tributaries Grand Manan Island and spawning	St. Stephen	do	120 •240	
Samuel Dick	St. George to Beaver Harbour	La Tête, W.O	do Warden		00
Robert Dixon	Seeley's Cove to Lepreaux East District, from La Tête to	Lepreaux	do		00
	Lepreaux	Beaver Harbour, W.O. Deer Island	do	1 0 0 70	00
	Croix River	St. Andrews	Warden		00
Edward Carroll.	Northern Head, Grand Manan	do	do		00
Thos. Holmes	West side, Deer Island	Deer Island	do	30	00
•	Gloucester County.				
James Hickson	River Nepissiguit and tributaries, with				
	sea coast and streams from Belle- dune River to Grindstone Point		Overseer	250	00
Jas. E. Good	Nepissignit River	! do	Warden		00
	Oyster beds in County, Caraquet and Shippegan	Ugranuat.	Overseer	100	00
Justinien Savoy	Tracadie Pokemouche.	Tracadie, W.O.	Warden	30	00
Frédéric Comeau	Petit Rocher, from Belledune to Mill Stream	1	1		00
Miles Dempsey	Salmon Beach, from Bass River to	i .)		
			do		00 00
Adolphe Haché	Shippegan	Shippe gan	do	30	00
John Calnan, jun	Grindstone Point to Grande Anse Shippegan Tête-à-gauche River That part of River Tête-à-gauche from a mile above the Mill Dam to	Tête-à gauche, Bathurst	do	25	. 0 0
A1 .	the source of said River	Kinsale	do	25	00
Augustin Cormics	Pokemouche River	Pokemouche	Overseer	50 50	00
Joseph Poirier	Bay Unaleur, between Grand Anse	1	1		
	and Point Mizzenette	Grande Anse	do	5 0	00
	Kent County.				
Charles Cormier	Cocagne River	Cocagne	Overseer	100	00
F. R. Land	Richibucto River	Richibucto	do	75	00
M. A. Gironard	Big do	Buctouche	Overseer	30 75	00 0 0
James Harnett	Little Buctouche River		1	1	
Lazare Guimon	From Kouchibouquaeis to Chockfish	W Cluiviu	warden	i	00
	River	Kouchibouquacis	. do	75	00
	1614 C1,		, ao		

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
1	Brought forward		· • • • • • • • • • • • • • • • • • • •	\$ cts 4,425 00
	Kent County—Continued.			
	From Kouchibouquacis River to Point Sapin	Kouchibouquacis	Warden	50 00
A. L. Collet	Buctouche Bay	Buctouche	do	3⊕ 00
	King's County.	• `		
Samuel Gosline	From mouth of Smith's Creek up-	Smith's Cuarle W O	0	100 00
Samuel F. Ryan James A. Belyea	Mill Stream St John River and Belle Isle Bay and	Smith's Creek, W.O Studholm, Apohaqui	Warden	30 00
Samuel Gamblin	streams running thereinto	 English Settlement,		50 00
T W Hetfield	Belle Isle Bay	Pearson's, W.O	Warden	30 00 50 0 0
Jonah Keith	North Canaan River	Havelock	do	30 00
	Northumberland County.			
	Burnt Church River and tributaries, and Upper Tabusintac	Upper Neguac	Overseer	100 00
John Stymast William Wyse	Herring fisheries, Miramichi Bay, and bass fishing in Napan Bay and Black	Stymast Road, Neguac	Warden	50 00
Chris. Parker	Rivers		Overseer	200 00
Samuel Holt	Beaubair's Island to Blackville From lower line of Blackville to	Newcastle		
John Hogan	Blissfield		do	160 00
Aaron Hovey	Miramichi River (S.W.) and tribu- taries, from Nelson's to Head of	Newcastle	do	400 0
Gaorga Presentan	Hovey Island From Elm Tree Brook to Squire Under-	Boiestown	Warden	30 00
	hill's, on the S W. Miramichi River. Miramichi River (S.W.), from line of	Derby, W.O	do	30 00
	Blissfield to the head waters and	Boiestown	Overseer	100 00
Patrick Bergin	From Underhill's to Stephen Mit- chell's, on S.W. Miramichi	Dumphey, W.O, Parish of Blackville, S.W.	1	-0
Thomas Smith	From lower end of Fingley's Island, on N.W. Miramichi, upwards, and	Miramichi	Warden	30 00
Tamed Dis. 1	the Big Sevogle	W.O	do	30 00
	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 30 00
Michael Donovan	Renous River and tributaries	Renous Bridge, W.O Renous Bridge	do	18 00
	Carried forward	1		6,213 00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden,	Salary.
	Brought forward			6,213 00
	Northumberland County-Uoncluded.			
John Shaddick F. McDairmaid	Big Sevogle to Square Forks Napan and Black Rivers and triba-	***************************************	Warden	30 00
I	taries	Napan, W.O., Chat-	do	30 00
John Williston	Bay du Vin River and Bay, with Parish of Hardwick, Fox and other Islands and Stations on South side			
James Russell	of Main Channel, Miramichi River Miramichi Bay and Feeders South West Miramichi, within Parish	Bay du Vin, W.O	Overseer do	100 00 150 00
_ ' '	From Doaktown to Hovey Islands, in	Blissheld	Warden	50 00
Daniel Mathews	the Parish of Blissfield, on the South West Miramichi River	Doaktown, Miramichi	Overseer	100 00
Nat. Morehouse	South West Mirrmichi, upwards Arbo Settlement, Parish of Blackville,	ramichi River	Warden	30 00
	South West Miramichi Coughlan Settlement, Parish of Black-	Arbo Settlement	do	30 00
	willo South Most Miromichi	'I Ollobian Sattiament	do	30 00 30 00
Geo. Hubbard John Blake	Tabusintac and Bartibog Rivers	Whitney Settlement	do	30 00
	Miramichi River and tributaries, from	DIRCK Drook	uo ,	70 00
Tubal Watling	Middle Island to Newcastle Ferry Black River and tributaries in the	I	! !	30 00.
	Upper waters N.W. Miramichi River,	Black River		30 00
Robert Keating	From Rolph's Crossing, upwards N. W. Miramichi River and tributaries, from McKay's Flats to North West	1		50 00
Jas. Fitzpatrick M. Ryan	BridgeBlack River	Nanan	1 40	30 00 30 00 30 00
	Queen's County.			
Isaiah Langan	Salmon River	Chipman, W.O., Gas-		
John Second	Cansan River From Cole's Island to foot of Washa-	Longs' Creek Johnston		30 00 30 6 0
	demoak Lake Headwaters, Washademoak Lake		Overseer Warden	100 00 25 00
	Restigouche County.			
A. McPherson John Mowat	From Belledune to Dalhousie The River Restigouche and its tributaries, in the Counties of Restigouche and Victoria, including also		Overseer	100 60
	the waters of the Bay des Chaleurs	Dee Side, Matapedia	Overseer	
	Carried forward		<u> </u>	7,378 00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NEW BRUNSWICK-Concluded. Overseer Address. Salary. Name. District. or Warden. 7,378 00 Brought forward..... Sunbury County. G. W. Hoben...... St. John River, Indiantown, to Co. line of York..... Overseer... 100 00 W. E. Taylor Sheffie.d... Warden ... 30 00 ďο St. John County. 150 00 100 00 Victoria County. 100 00 30 00 River Rocky Brook, Parish of 30 00 Lorne do Jno. C. McCloskey Donald Fraser Thos. Edgar Edward Maloney ... Upper Division, do 30 00 ďο 30 00 ďΛ ••• Three Rivers ďο 30 00 Tobique River, Parish of Lorne ďΩ 30 00 Westmoreland County. 100 00 Overseer.. Gautreau Village 60 00 do Bay Verte 100 00 do York County. J. Campbell County of York Grand Pass, on St. John River, up-Fredericton...... Overseer... 150 00 wards from Crock's Point to Lower Line of York County, including Nashwaak River.... Kingsclear, W.O., Fre-Warden ... 60 00 dericton..... Wm. Brown St. John River, from Upper Line of York County to Crock's Point, on River St. John Southampton 60 00 do From Price's Bend to Burnt Hill, S.W. A. Moir 30 00 Miramichi..... dο 8,598 00

PROVINCE OF PRINCE EDWARD ISLAND.

Name.	District.	Address.	Overseer or Warden.	Salary.
		!	1	40 w.
	to the second of	* * * · · · · · · · · · · · · · · · · ·		
J. Hunter Duvar	Prince Edward Island	i	of Fish-	
eria i capera E	Queen's County.	and the second section of the second	eries	800 00
Michael Ready	Winter River	Winter River.	Warden	30 00
ionel Garnam	do	do	do	30 00
Ohn McMillan	Vernon River	Vernon River	do	
ames Power	Huntley and Wheatly Rivers	Huntley Divos	do	30 00 30 00
Orathan Delany.	New London	New London	do	30 00
ohn Mathieson	do Vernon River		do	30 00
	Road to the Coast	West River	do	30, 00
'inlay Mackenzie. 'rancis Stanley	Charlottetown, including East, West	FIREUD DIVEL	ao,	30,04
F 7071 4 1 1	North Rivers.	Charlottetown	do!	30 00
homes Mumber	South West River	Trant Diran	do	30, 00
eter Traynor	Johnston's River, including Oyster Fishery at its mouth		, ,	30° 00
Longhrim	Orwell and Newtown Rivers	Orwell	do	30.00
V. Campbell	Cousin's Run	Cousin's Run	do	30 00
the way	Prince County.			
Henry Clark	Dunk River and Egmont Bay	Summerside	Overseer	200 00
). L. Bryant	Dunk River and Egmont Bay From western bank of Big Pierre Jacques River to the point where the			
	North line of Lot 15, touches the	Enmare Piver	Warden	30 00
alvin Howat	shore of Egmont Bay Tryon River	Tryon River	warden	30 00
	Minimized.	1		30 00
ames Ramsay	Lot 13. Trout River.	Lot 13	do	30 00
lugh McIntosh	Lot 14 do	Lot 14	do	30 00
braham Wall	Dunk River, Lot 25	Lot 25	do	30 00
atrick McBride	do do	do	do	30 06
ulliam Burns	Noil Bond and Shimman's Walt	1 do	do	30 00
ohn Poston	Lot 13, Trout River	Nail Pond	do	30 00
Pen A Shorna	Lot 12, on the Narrows	T.of 12	do	30 0 0 30 0 0
atrick Delaney	Lots 5, 6 and 10	Cummonda	do	
ohn Chaisson			uo	30 00
Uhapel)	Tignish, from line of Lot No 2, north- ward, to include Little and Big	De la cere de la companya de la companya de la companya de la companya de la companya de la companya de la comp	_	
Peter Aylward	Tignish, and westward to Railway. Skinner's Pond, southward, from south end of Nail Pond to Black	Tignish.	do	30 00
(4 %)	south end of Nail Pond to Black Pond, inclusive, and East to Rail-	i .		
Alex. McDonald	Cascumpeque Bay and Inlet, from the	do	do	30 00
	Namows to Kildare Canes	Alberton	do	30 0
nos. Drummond	Dunk River	Freetown	d o	30 0
	Carried forward			1,900

PROVINCE OF PRINCE EDWARD ISLAND-Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward King's County.		P0000000000000000000000000000000000000	\$ cts. 1,900 00
Allan McDonald	Souris River North Lake			30 00 30 00
Malcolm Mathew- son	Grand River Bay Fortune River	Grand River	do	30 00 30 00
John McDonald	Naufrage River	Naufrage River	do	30 00
John Lowe	to the Coast	Montague River	do	30 00
	Lot 63 and 64	Murray Harbour	do	30 00
	St. Peter's and Morell		do	30 00
	First District of Morell		do	30 00
John O'Brien		Morell River	do	30 00
Pat. McCullough	Third do	Peake's Road		30 00
J. H. Dingwell	Fourth do	Morell River	do	30 00
	* Total			2,260 00

PROVINCE OF BRITISH COLUMBIA.

				1	
				1	
				1 1	
			l <u></u>	!	
Alex. C. Anderson	British Columbi	8	Victoria		200 00
Geo. Pettendreigh	l do		New Westminister	Fisheries	600 00 500 00
Geo. I ettenureign			}	4	
•	Total	****** ****** ***** *****	****** *******	1	1,100 00
			1		-

RECAPITULATION.

Samuel Wilmot, Superintendent Fish-Breeding Establishments in the	
Dominion	2.000 CO
Ontario	7,275 00
Quebec	6,890 00
Nova Scotia	11,165 00
New Bronswick	8,598 00
Prince Edward Island	2,260 00
British Columbia	1,100 00
Total	\$39,288 00

WM. SMITH,
Deputy Minister of Marine and Fisheries.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Statement of Expenditure on account of Fisheries, for the Fiscal Year ended 30th June, 1880.

ONTARIO State Contact Contac	To whom Paid.		ervice.		Amount.	Total
Das Gilchrist		. 03	TARIO.		\$ cts.	
Chas. Gilchrist	. W. Kerr For	12 months' salary	as Fishery Overseer, to	30th		
Chas. Gilchrist		June, 1880			500 00 1	
Joseph Redmond	has. Gilchrist				400 00	
Ames Patton				i		
Seo, Cochrane	ames Patton	do	do			
Sector S		đo				
S. Boismier		do	do			
David McMaster. do		do	do	•		
Ches Wilkins		do		- 1		
Ohn Mooney		do		- 1		
Peter McCann		do				
D. L. Bingham	eter McCann					
N. E. Foot.	L. Bingham	do	do			
A. D. Sills	V. E. Foot	do	do	i	125 00	
C. McKinnon	L. D. Sills	do	do		108 33	
R. Graham do do 100 00 Os. Wilson do do 100 00 R. S. Miller do do 100 00 R. B. Abrey do do 100 00 As. Muir. do do 100 00 As. Muir. do do 100 00 As. Muir. do do 100 00 As. Dickson do do 100 00 As. Dickson do do 100 00 As. Dickson do do 100 00 Alex McKenzie do do 100 00 W. P. Croome do do 100 00 P. McCarron do do 100 00 R. Bell do do 75 00 L. A. Cameron do do 58 33 John Wallace do do 50 00 J. Harrington do do 50 00 J. Harrington do do 50 00 Wm. Pool do do 50 00 Wm. Pool do do 50 00 J. R. McDonald do 50 00 J. R. McDonald do 50 00 J. G. Wilcox do do 50 00 J. G. Wilcox do do 50 00 J. McMew Hughson	C. McKinnon	do	do			
OS. Wilson	R. Graham.	do	do			
S. Miller	os. Wilson	do	do			
S. B. Abrey	S. Miller	do	do	1		
As. Muir.	B. Abrev.	do	do			
Samuel Frazer	as. Muir.	do	do			
Samuel Frazer	lenry Lawe	do	do			
As. Dickson	Samuel Frazer	do	do			
Alex. McKeuzie	as. Dickson	do	do		100 00	
W. P. Croome do do 100 00 P. McCarron do do 100 00 P. McCarron do 100 00 R. Bell do 75 00 J. A. Cameron do 40 58 33 John Wallace do do 50 00 J. D. McMillan do do 50 00 J. D. McMillan do do 50 00 John McAllister do 50 00 Jas. Cummins do 50	Alex. McKenzie	do	do			
F. McCarron	W. P. Croome	do	do			
C. Bell	- McCarron	do	do		100 00	
A. Cameron do do 58 33 John Wallace do do 50 00 J. D. McMillan do do 50 00 do J. Harrington do do 50 00 do 50 00 do do 50 00 do do 50 00 do do 50 00 do do do do do do do	K. Bell	do	do			
Onn Wallace	· A. Cameron	do	do		58 33	
A. J. Harrington do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 Wm. Pool do do 50 00 Wm. Pool do do 50 00 Wm. H. Johnston do do 50 00 A. E. Mills do do 50 00 Eph. Deacon do do 50 00 J. R. McDonald do do 50 00 J. G. Wilcox do do 50 00 J. G. Wilcox do do 50 00 Alex. McBride do do 50 00 Andrew Hughson do do 50 00 Andrew Telfer do do 50 00 Timothy McQueen do do 50 00 Jas. Cummins do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 Wm. McGowe do do 50 00 McGowe do 50 00 Wm. McGowe do 50 00 Wm. McGowe do 50 00 Wm. McGowe do 50 00	Ohn Wallace	do	· də	•••	50 00	
A. J. Harrington	· U. McMillan	d o	do		50 00	
Onn McAllister	4. J. Harrington	do	do		50 00	!
S. W. Raymond	onn McAllister			•••	50 00	}
W. H. Johnston. do do 50 00	v. W. Raymond	do	do		50 00	1
A. E. Mills	ΥЩ, P001	do	do	•••	50 00	
A. E. Mills	'' · II · JOHNSTON	do	do		50 00	i
Deacon	A. E. Milla	do				i
Color	UDB. Deacon	do		•••	00 00	1
Alex. McBride	' D. Mollopold I	do		•••	50 00	1
Alex. McBride	Crence Mc(larrity	do		•••		ł
Andrew Hughson	. G. MIICOX	,do		•••	50 00	i
Andrew Hughson	ALUX. McBride		2.7	•••		1
Timothy McQueen do do 50 00 do .	audrew Hughson	do		•••		
Amothy McQueen		do		•••		l
Win McGown do do 50 00	~ MOLDY Mollnean 1	do				i
.''41. M(C)+07777 1 do 10 1 50 00 1	as. Cummins.	ďo		•••		ì
Wellington Hull do do 50 00	''44. M(C(→OWn	do				1
	Wellington Hull		do			1
Carried forward 5,566 66						1

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom Paid.	\$	Service.		Amount.	Tota
					-
i	Brou	ght forward		\$ cts. 5,566 66	
e de mercono	ONTARI	0—Continued.		n in the second	-
. McMichael		as Fishery Overseer, t	o 30th	F0 00	<u> </u>
Vm Vactings	June, 1880 do	do		50 00 50 00	
Vm. Hastings	do	do)	40 00	
Ingus Brady	do .	do	!	40 -00	ļ
Vm. Hicks	φo	do	•	40 00	
as. McFadden	do do	do do	:::	30 00 30 00	
f. L. Russell	do	do		25 00	
lenry Hunt	do	do	•••	20 00	
homas Cartier	do	φo	•••	20 00	
Daniel Bowen	18 do	do do	•••{	150 00 60 00	
lugh McFayden Vm. Prosser	18 do 18 do	do do		45 00	1
ohn Morrow	18 do	đo	}	37 50	į
hos. McKibbon	10 do	do		20 83	ĺ
leo. Douglas	10 do	do	••••	20.83	
ohn Grant	9 do	do do	•••	30 00 18 75	
rchibald Achesonohn Cox	9 do 4 do	do		16 66	! *.
7m. Boucher	2 do	do		16 66)
. Halfpenny	2 do	do	•;	6 66	
livier Miron	2 do	do	•{	5 00	ŀ
B. Moody	1 do	as Fishery Overseer, t	0 30th	4 17	j
Alfred Knight	April, 1880			83 33	ľ
Robt. Watt	Balance of salary	as Fishery Overseer,	to 5th	41.00	ĺ
. S. Webster		Constable		41 80 428 00	
). Baumwart		in at Port Royal, 1879			
O. McLaren	do	Nepigon River, 18		50 00	
. J. Newman	₫ο	Merriekville, 1879			1
ohn Gordon	, do	Duffin's Creek		100 00	
eter Gosline hos. Harris	do do	Rouge River River Credit		25 06 20 00	
. W. Kerr		sements as Fishery Ove	rseer.	20 00	ł
110111111111111111111111111111111111111		1880,		603 32	İ
Gilchrist	do	ďο	••••j	574 95)
). L. Bingham	do do	do	•••	424 00 329 50	}
has. Wilkins leo. Cochrane		do do	:::	254 49	(
as. Patton	do	do		214 25	
os. Wilson	do	do	}	194 00	}
ohn Mooney	do	do		177.25	ŀ
C. McKinnon	do do	do do	!	197 16 86 42	1
V. E. Foot	do	do	:::1	109 97	ľ
lex. McKenzie	do	do	•••	157 07	
. A. Cameron	фo	do	}	95 00	
os. Redmond	do	do d o	1	86 00 81 50	}
eter Kiel lobt. Bell	do do	QD	•••	81 66	-
ohn Wallace	do	do		77 25	
eter McCarron		do		74 26	}
L. Hughson	do	do	•}	71 20	!
L. J. Harrington	do	do do	•••	69 25 65 63	Ì
as. Sutherland	do _.	ao	••••]	65 63	1

STATEMENT of Expenditure on account of Fisheries, etc.-Continued.

To whom Paid.	Ser	vice		Amount.	Total.
Andre An Larry S.		كسنة وتستنصيف فالمتستعات وتابكت يكاديك		\$ cts.	\$ cts
the state of the state of	Broug	ht forward		11,103 98	φυσ
	ONTARIO	Continued.	- 1		
eter McCann	For 12 months, disburser	nents as Fishery Overs	eer,	50 35	
V. H. Johnston	to 30th June, 18 do do	do		48 00	
as. Dickson				45 00	l
ames Muir	do do	do :		40 60 40 25	
Boismier	do	do ·		33 50	
V. P. Croome	do	do		35 36	
lenry Lawe	do'	do	•••	29 00	
ohn McAllister	do do	do∵ do∵	•••	18 00 8 90	
lobt. Wattlenry Hunt		do		10 25	_
Vm. Hicks	do	do		25 50	
Vm. Boucher	do	do	••••	25 00	
Vm. Hastings Indrew Telfer		do∵ do∵		24 33 22 00	
McFadden	do "	do -		22 00	:
imothy McQueen	ďo	do		20 90	
Ohn Grant	do	do]	20 32	H
R. Graham	do	do	•••	17 45	
eo. Douglas Vm. Pool	do do	do -		14 50 12 00	
hos. Cartier	do	do.:		11 00	
ngus Brady hos. McKibbon	do	do		10 50	
hos. McKibbon	₫6	ďo.		8 00	-
L. K. Milla	l do	do	•••	5 25	
ugh McFayden Bowen	do '	do do		4 45 2 25	
avid Conger	Disbursements as I December, 1878	Sishery Overseer, to	31st	36 00	
Vm. Fahey	12 months' disburse	ments as Special Fish th June, 1880		66 00	
ohn Connor		tion with prosecutio		00 00	
	parties for allow	ing refuse from their	an-		
eil Morrison		o canal		23 00	
· W. Kerr	do Costs in suit of J.	do Patchet, for violation	s of	6 50	
	Fisheries' Act			20 00	
J. Foy	Professional Service	s, Regina vs. Patchet		71 08	
P. Gorman.	Reneiring statistics	ed nets	•••••	42 00 21 65	
'. Conger	Freight on confiscate	ed nets		4 50	
t. L. & O. Railway	do boats			4 00	a sagara
	* 1	€ 1	-		12,003 37
in and a second	OTTE	BEC.			
, file (1)			- 1		
· O. Bélanger	For 12 months' salary as June, 1880		30th	150 00	
Mathurin	do	f do .		150 00	
· II. Ilmanor	do	do '		150 00	ļ
Mignault	₫o	do do	•••	150 60	
	do do	do:	:::	150 00 100 00	
	do	do		100 00	
	do	do		100 00	ſ
m. McLeod	do	do	•••	100 00	
			ı—		

STATEMENT of Expenditure on account of Fisheries, etc.---Continued.

To whom Paid.		Service.	ĺ	Amount.	Total.	
	В	reu6ht forward		\$ cts. 1,150 00	\$	ets
-	QU	EBEC-Continued.	j			
ob Bilodeau F	or 12 months' sai	lary as Fishery Overseer, to	9 30tb			
. Mowat	June, 1886			50 00		
i	Decembe	r, 1879		150 00		
os. Radford	do do	do do		100 00		
I. W. Austin	do	do		100 00 1		
ohn Morris	do	do		100 00		
. Caron	do	ďο	•••	100 00		
oseph Marion	do do	do do	••••	100 00		
J. Loranger	do	do		100 00 75 00		
ules Gauvreau.	do	do		50 00		
V. C. Willis	do	do		75 00		
I. Martin	do	do	•••!	50 00 1		
i. E. Grondin	do do	do do	•••{	50 00 50 00		
Alfred Blais	do	do		50 00		
. J. Letournean	do	do		50 00		
P. Huot.	do	₫ο		50 0 0		
F. Copp	do	do	!	50 00		
B. Chevalier	do do	do do	•••	50 00 l		
acques Girard	do	do	:::	50 00		
. B McDonald	do	do		50 00		
D. B. McGie	ďο	do		50 00		
ohn Phelan	do do	do do		25 00 (
. J. Fox	do	do]	25 00 25 00		
P. E. Luke	do	do		25 00		
Wm. Clyde	фo	φo	}	25 00 [
J. Bhereur	do do	do	•••¦	25 00		
os. Simard	go	do do	•••	20 00 1 20 00 1		
R. W. Jones	do	ďo	•••	20 00		
. J. Lamoureux	do	do	•••	20 00		
ital Veilleux	do	ģo]	20 00		
B. G. Lajoie	do do	do	••••	20 00		
Phileas Dubé	do	do do	•••	15 00 15 00		
tienne Tremblay	do	do		15 00		
Intoine Filion	do	đo		15 00		
lex. Beaton	do	ďο	•••	15 00		
Chos. Evans	do do	do do	••••	15 00		
Chas. Potvin	do	do	•••	12 50 12 50		
F. Picotin	do	do	•••	12 50		
Andrew Watt	10 months' sa	lary, to 30th April, 1880		41 66		
Jos. Landry	9 do	as Fishery Overseer,		77.00		
A. Campbell	do	March, 1880	********	75 00		
Antoine Chevrier	6 do	as Fishery Overseer,	to 30th	75 0 0		
For Duchous	_	June, 1880	••••	5 0 00		
Frs. Duchesne	3 do	as Fishery Overseer, June, 1880				
J. S. Webster	Wages as Sp	ecial Fishery Constable	*********	37 50 304 00		

STATEMENT of Expenditure on account of Fisheries, &c.—Continued.

To whom Paid.	Service.			Amount.	Total.	
	December 6	1		\$ ct:	· · · · · · · · · · · · · · · · · · ·	
	Brought 16	orward brawro		3,830 66		
	QUEB	EC-Continued.			;	
lex. Mowat	For wages as Specia	al Fishery Guardian, Ma Restigouche Rivers, 1879	tepe-	150 00		
ohn Campbell	do as Specia	al Fishery Guardian, K		125 00	1	
Lefurgy	фo	do	maina	100 00		
Maloney	River, 1	al Fishery Guardian, Roi		96 00	, [
Stephens	Memphr	al Fishery Guardian, emagog, 1879	Lake	81 00		
Descroisellelf. Malois	do do as Specia	do l Fishery Guardian, Ant	icosti	63 00		
hos. Gagné	do River, I	do	•••••	60 00 60 00		
aniel Brown	do as Specie	al Fishery Guardian, E	scum-	50 00	!	
. Fairbairn	do as Specia Lakes, 1	il Fishery Guardian, Gat	ineau	50 00	İ	
Bedard Davis		'ishery Guardian, Fish Ba		50 00		
	Gaspé, :	do St. John 1		50 00		
- Asselin	River. 1	l Fishery Guardian, 1		35 00		
acques Leonard	do as Speci Nation	al Fishery Guardian, River, 1879	North	35 00	,	
Laframboise		al Fishery Guardian, O .879	ttawa	25 00		
ntoine Maltais	do as Specia	l Fishery Guardian, No 1879	1	25 00	,	
. Fullu	do as Specia	l Fishery Guardian, No 879	uvelle	25 0	,	
avier King	do as Speci	ial Fishery Guardian,		20 00	. 1	
. Simard	do as Spec	ial Fishery Guardian,	Lake		1	
ntoine Simard	do as Speci	al Fishery Guardian, De		15 0		
os. Radford	mes Riv For 12 months' disbu	er, 1879 ersements as Fishery Ove	rseer,	10 00	. 1	
ohn Mowat		do		1,550 00 -839 9		
08. Marion.	do	do	}	534 3		
· Vibert	do	do	•••أ	430 1		
V. O. Willis	ďο	ďο	•••	_216_56		
F. Copp.	do	do	•••	192,60		
Morris B. McGie	do do	do do	•••	192 39 192 10		
acques Girard	do	go	•••	163 5		
C. Gobeil	do	do	•	162 2		
C. Caron	do	do		137 4		
Mathurin	do	do		134 6		
W. H. Dimock	do	do		132 2		
L. Duguay	do	ďo		126 0		
· MILETIANIT	do	do		117 5		
vo. McLeod	do	do		108 0		
• LEGOUVE	do	dυ		106 4		
· U. Belanger	ďo	do	i	101 8		
· D. Luke	do	do		81 5		
*• #18 FUID	do	do		77 6		
· Dube	do	фо	}	75 0		
J. Loranger	do	do		74 0	0	
	0	ried forward	ľ	10,704 7	7	

STATEMENT of Expenditure on account of Fisheries, etc. - Continued.

To whom Paid.	Service.		Amount.	Total.	
.20.0 T 15.00 to	, 		j_		
	Brought for	ward		\$ cts. 10,704 77	\$; cts
	QUEBEO-Conti	ined.	70		
E. Grondin	For 12 months' disbursements a	1000 x110	seer.		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	to 3oth June, 1880			74 00	
ules Gauvreau	do do	do	•••	65 44	
J. Letourneau	l · · · · do	ďo	•••	63 90	
os. Boily	đơ	₫ø.		59 75	
hos. Evans	do	ďο		52 05	
J. B. McDonald		do Jaka	••••	51 25	
J. B. Chevalier	do.	do do		46 40 46 00	
I. J. Fox	do	ďo		45 00	
Job Bilodeau	do	đο		40 50	
Vital Charest		ďo	•••	33 00	
J. I. Lamoureux John Phelan		do	•••	30 50	
O. Laflèche		ďó	:::	30 00	
Wm. Clyde	đo	do		26 05	
J. B. G. Lajofe	do,	фo	•••	20 00	
J. Bhereur		đo đo	•••1	17.95	
has. Potvin		₫ö	:::	17 25 16 90	9
J. F. Picotin	фo	άο		15 80	
Alex. Beaton	do'.	фó	•••	15 00	
J. E. Demeule	do	đo độ	•••	13 65	
L. P. Huot	700	đo		10 90 10 3 2	
B. P. Bauset	The state of the s	da .	•••	149 25	
J. Laframboise	Disbutsements as Special P	ishery Consta	ble	166 50	
J. Barbeau	00	go	•••	106 95	
J. Gareau	do l do	³ do _d∂ = 3	::	79 39 67 50	
G. Barbeau	do	do		25 00	
J. S. Webster	do	₫ø ↔		22.00	
D. Bedard	Hauling stones for spawnin	g beds, Camp	bell's	07.00	
N. A. Comeau	Inspecting Little Trinity Ri	Partition of 1916.	5 1 1 V	67 00 31 50	
B. Batson	Boat and boathouse			50 00	
J. Taché	Plan of fishery stations, Di	strict of Sagu	ienay i	28.00	,
H. W. Austin.,	Expenses, special enquiry in	to Richelieu I	Di v i'n	25 00	
P. Latraverse St. L. & O. Railway	Tent and boat			12 00 8 11	ľ
A. Rattée	Boat hire for local guardian	18	i	5 50	
J. Connor	Disbursements in connecti	on with seizu	re of		ŀ
	speckled trout at Hull		1	5 15	, 1
A. Campbell	Rent on lease, water lot at C	ampbell's Bay	, 1879	25 00	ľ
Frank Johnston	do	do		10 00 10 00	i.
Jas. Lamb	do'	để		15 00	:
Loon Corportion	.\··· <u>đ</u> ờ	đo		20 00	ŀ
M. Gleeson	. 1	ďớ ♣≈		10 00	
Pat. & Thos. McNamara.	do do	₫ <i>0</i>		5 00 5 00	!
Jos. Bedard	a d	go		5 0 0	
David Bedard	·l··· dò	đó		5.00	[
John McDermid	ao	đo		5 00	į
Malcolm McLachlan	·} 88	đợ		5 00	1
Stationery		•	** ***** !	24 05	ł

STATEMENT of Expenditure on account of Fisheries, etc.—Continued.

To whom Paid. Service.			ĺ	Amount.		Total.		
en and a superior of the second	1912					_		
	1			1		- 1		
	****	NOVA 8CO			. \$	cts.	\$	cts
*	SALARIES OF	FISHERY OVERS	EERS AN	WARDENS.	,	1		
		County of Ann	apolis.					
V. T. Carty	! For 12 months	salary, to 30th	June,	1880		00		
F. Morton	oh l	A Committee of the second	do			5 00		
VIII. Crossenn	ďo	1.4	do			00		
		**	do	***************************************		50		
V. M. Bailev.,	! 6 do	7	do			50		
Ulmes Baker.	i 6 do	4.5	do	40		50		
lichael Riordan	6 do		do do	************************		50		
· H. Parker	4 30	to 31st	October.	1879		33		
108. Devers.	do	1,40 0221	do			33		
· H. Pineo	l do	1919	do			33		
B. Dobson	l do	i ii.	do	, .		33		
liner Clark	đo	56	do	***************************************	, 8	33	- 60	
		County of Anti	gonish.				40	9. 15
ohn McDonald	77 - 10 - 41 -			ob Poda - Poloči I	701	00		
ont McDonaid Ohn Dexter	ror 12 months	Balary, to son	do			00	:	
Ochlin Cameron	i do		do			00 1		
	1		do			00		
R. Aymer	do		do			00		
olin Chisholm	do		do			00		
ler Wo.A.dom	do	i, , , , ,	do	1711		60		
lugh Cameron	do do		do do	*****		5 00		
umes Chisholm	i a		do	***************************************		5 00		
VIII Cinminania	ι i i		do	• • • • • • • • • • • • • • • • • • • •		00		
YUUGAN Kragar) AA	-	do			00		
HUEFT Randall	40		go .	**************************************		00		
ames McDougald	ob 8	to 31st	Decemb	er. 1879	12	50	42	7 50
	21241421 2124	County of Cape		010				
rancis Quinan.	For 12 months	salary, to 30th	June,		120	00		
			do	**********		00		
Urk Karrington		,	do	***************************************		00		
			do	************		50	1	
nthony Spencer	do		do	***************************************		5 00		
	do		do	***************************************		00		
	do		do		25	5 00		
	do		do			00		
SUICE KACHA	do	,	do			5 90		
Oonald McCormick Vm. Burke.	do	1 .	do də	. 1		5 00		
	do		do	315		5 00		
	do		do			00		
	6 do	to 31st		er, 1879		2 50		
	6 40	rom 1st July,	do	i jeuli iss.	1:	2 50		
homas Moore	Salary, f	rom 1st July,	1879, <u>I</u> t	o 16th May,				
Schd. McDonald	2 do	1998	June, 1	880		7 47		
J. McNeil	2 do	10 20111	do l	10000 0000000		17		
No. 200 and 10	- 40			1-			68	7 47
] :	_ Syprem S.	July 17	ł		[-		
.,,	•	Carried forw 185	ard	•••• •••••• •• •• •• • • • • • • • • • •	••••••		1,41	4 12

STATEMENT of Expenditure on account of Fisheries, &c.---Continued.

I. W. Davidson	NOVA SALARI Cou For 12 months' sala	ought forward SCOTIA—Continue ES, ETC.—Continue nty of Colchester.	ed.	\$ cts.	\$ cts 1,414 12
denry Elair R. J. Pollock J. Urquhart	SALARI Cou For 12 months' sala	ES, ETC.—Continue		1	
denry Elair R. J. Pollock J. Urquhart	Cou		*• [1	
denry Elair R. J. Pollock J. Urquhart	For 12 months' sale	ing of continuous	[
denry Elair R. J. Pollock J. Urquhart	TOF 12 Months said	om to 20th Inno 1	000	100 00	
J. Fulton	do do do do do do do do	do do do do do do do do		100 00 75 60 44 78 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 31 67	
R. R. Fulton Hy. Urquhart		do do	***********	14 58 7 73	
S. Frame J. Bonyman W. McElheney		do t July to 21st Augu do	ıst, 1880	6 68 5 69 3 56	564 69
	Cour	ity of Cumberland.			
Jas. King	For 12 months' sale	arv. to 30th June. 1	880	100 00	
Elijah Fewler Dliver Fillmore I, W. Moore David Corbett Moses Harrison F. L. Jenks Collingwood Pugsley N. B. Blair Wm. Murphy F. R. Smith F. W. Lowther Saml. McPherson Sasac Ringley J. Brownell Asa Fillmore Hy. Fountain	do do do do do do 7 do 6 do 6 do 6 do Salary from la do do la	do do do do do do do do do do do do t July to 21st Aug. do t July to 31st Oct.	, 1879	30 00 25 00 25 00 25 00 25 00 25 00 25 00 12 50 12 50 12 50 12 50 14 24 3 56 8 32 10 09	428 <i>6</i> 7
J. H. Morehouse	do do do do Salary from 1s	ary, to 30th June, 1 do do do do do to do t July to 31st Oct do do		120 00 50 00 25 00 25 00 25 00 25 00 8 33 8 33	286 ⁶ '

To whom Paid.	To whom Paid.			Amount.	Total.
		Brought forward		\$ cts.	. \$ cts. 2,694 09
1	NOVA	SCOTIA-Contin	ued.	}	
	Salar	ies, etc.—Contin	ued.	-	
	Cour	nty of Guysborou	gh.	1	
J. A. Tory	For 12 months' sal	arv. to 30th June	1880	150 00	
Allan McQuarrie	do	do		90 00	
Donald Gunn	do	₫ο		30 00	
Wm. Pride	do	do	••••••	30 00 30 00	
Adam Kirk Thos. McKeen	do do	do do		30 00 1	
James Cook	do	go		25 00	
D. Mc. C. Sinclair		do		20 00	
Duncan Cameron	ďο	ďο	······	20 00 }	
Charles Kenney	do	do	*********	15 00 15 00	
Robt. McKay Luke Harpell	do do	do do	******	15 00	
James Nickerson		go		15 00	
Fred. Mattie	do	do	***********	15 00	
J. R. Bruce	do	фo		10 00	
D. A. McDonald		do	***************************************	33 33	
Wm. McDonald	10 do 10 do	do do		20 83 20 83	
J. L. Smyth Angus Cameron	10 do	do		20 83	
John McEllum		do		20 83	
John Jones	10 do	do		20 83	
James Henderson	10 do	фo	********	20 83 }	
Samuel Hudson	10 do	ďο	*****	20 83	
John J. Sangster	10 do	do		20 83 14 24	
Alex. Ross	do	st July to 21st Av do	igust, 1015	3 56	
Ed. Jordan	do	ďo		4 26	***
	0	ounty of Halifaz.			732 03
Wm. Anderson	For 12 months' sa	lary, to 30th June	e, 1880	150 00	
John Fitzgerald	l do	do	******	150 00	
Wm. Hall	do	do		40 00	
Archibald Kidston Nathaniel Mason	do do	do do	*************	40 00 40 00	
F. G. Tolsen	do	do	***********	40 00	
James Blakely	.l do	do	******	30 00	
Donald McCleam	.) do	фo	******	30 00	
Henry Balcam	do	do	******	30 00 30 00	
John McCurdy	do do	do do	******	30 00	
John Taylor	do do	do	* **** *******	30 00	
Mao. Parker	.i ao	do	*****	30 00	
Geo. Keizer	.) do	ďο	*****	30 00	
vames Miller	.l do	do	******	30 00 1 25 00	
James Crooks Daniel Mosher	do do	đo do	10000- 00000000	20 00	
W. G. Walker	. I do	do	*************	20 00	[
4. A. Shatford	ob 8 l.	do	**********	1 00 00	1
TUDD Krazer	. A do	do	***************************************	20 00	1
N. MCLARN	. Salary from	let July to 21st A	ugust, 1879	5 69	ł
D. Cameron	.l do	do	*****	4 26	851,62
	1			1	·

To whom Paid.		Service.		Amount.	Total.
19 \$69 d 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$4.	Brought forward	u?	\$ cts.	\$ cts. 4,277 74
	¥ 40	LANGER LOLL- Britis		1	
	NOV.	A SCOTIA—Continu	ued.		
	SAL	ARIBS, ETC.—Continue	d.		
	ing a service of the	County of Hants.		4	
D 8 D	7 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11 11:11	***	1000	700.00	
P. S. Burnham T. B. O'Bri en	for 12 months'	do	1000	100 00 1	
Joseph Mosher	. do.	do		50 00	
James Mosher		do		30 00 1 30 00	
J. M. O'Brien J. B. Colter	do do	do do		30 00	
		4,			340 00
		County of Inverness.	,		
	4	7.43	1 : Î.;	ii. d	
Peter Coady	For 12 months'	salary, to 30th June,	1880	84:96	
Neil McKay Hugh Cameron	do	do do		25 00 25 00	
Mark Crowdis	do	do	13.73	25.00	
Donald McDonald	:	do	· · · · · · · · · · · · · · · · · · ·	25 00	
Malcolm McKay David Ross	9½ do	do do	6.0	20 00 79 16	
D. F. McLean.		do	3	79 16	
Miles McDaniel	9} · · do	do	•	19 78	!
Peter Benvie		do de		19 78 19 78	
Moses Murphy	93 do	ĝo		19 78	
Daniel McDermid		do		19 78	
Wm. Hart, jun		do do	***************************************	19 78 19 78	
Angus McFarlane	9 1 do	do		19 78	
J. P. McFarlane		do		19 78 j	
Stephen Graham	91 do	do do		19 78 19 78	
John McKenzie		do		7 28 '	
Donald Carmichael	do	do a 1st Jaly to 15th Se	- 1070	7 28	
M. A. Ross. Hugh Gillies	do	do	pt., 2019	20 84 20 84	
J. Cameron	do	do	*******	20 84	
J. Meagher	do	do	••••••	5 21 5 21	
M. McDonald		do	****	5 21	
Jas. McGarry	do	фо	*******	5 21	
K. McKenzie M. McLeod		do do	******	5 21	
G. Ingraham	do do	do	*******	5 21. 5 21	
J. Carroll	-do	do	*******	5 21	
D. McDonald	do	đo	********	5 21	704 23
	i i				FUX AT
	1	County of King's.	1	المتأثر والمناسب	
J. E. Starr	 Pos. 10 in the sale of	salary, to 30th June,	18103351114	250 00	
Wm. McIntyre	do is montais.	do	*************	59 00	l
R. F. Reid	3 <u>}</u> do	do	*********	36 46	

To whom Paid.	,	Service.	Amount	Total.
	Broug	ght forward	\$ cts. 336 46	\$ cts 5,321 97
	NOVA SC	OTIA-Continued.		
	SALARIES,	RTC.—Continued.		
	County of 1	King'r-Continued.		
C. E. Bishop	For 2 months' salary,	to 30th June, 1880	5 00	
Jos. Angus	2 00	00	5 00 1	
Irad. Benjamin	i do	uly to 21st Aug., 1879do	17 80 2 84	
J. Buchanan	do do	do	2 84	
E. Bishop	do	do,	2 84	ore re-
		4.7		372 78A
	1 .	of Lunenburg.		*
Geo. Redden	For 12 months' salary,	, to 30th June, 1880	100 00	
H. S. Jost Geo. Moland	i uo	do	100 00	
John Hutt		do	25 00 1 25 00 1	
James Langille	do	do	25 00	
Charles Pernette	do	do	25 00	
James Mossman	do	do	25 00	
G. A. Nesbitt	do do	dodo	25 00	
Ed. Boylan	do	do	25 00 25 00	
wm. Croft	l do	do	25 00 25 00	
Elis Hebb) do	do	25 00	
James Corkum	10½ do	do	21 87	
C. E. Goddard David Demon	8 do 8 do	do	20.83	
ocol. Rothenhiser	8 40	do	16 67 1	•
1881ah Besancon	1 14 do	do	16 67 3 12	
Wm. Mosher	Salary, from 1st J	uly to 21st Aug., 1879	3 56	
	Count	ty of Pictou,		532 72
D C W D	1	· ·		
D. G. McDonald Chas. Henry	do do	to 30th June, 1880	170 00 1	
Donald McLean	l do	do	140 00 30 00	
Geo. McKenzia	do	do	25.00	
"Oun McDonald	do	do	25 00	
Donald Frazer	cb	do	25 00	
Wm. Turner	do do	do	25 00	
VICO. HOOLE	i do	do	25 00 25 00	
Wm. McDonald	j do	do	25 00	
	do	do	25 00 i	
Thos. Frazer A. C. Pritchard	10 40	do	25 00	
URMaron	10 do 10 do	dol	125 00	
" 44. MCK AD 714	1 10 40	do	20 83 1 16 67 1	J : "
TYUL MCKANZIA	1 2 40	do	16 67	
- Vor Gamphail	מא פ ו	do	16 67	
Samuel Fragor	1 2 40	do	16 67	11.
		do 31st December, 1879	12 50	
Wm. Smith	,4 do t	o 31st October, 1879	12 50 8 33	
			. 1	

To whom Paid.		Service.		Amount.	Total.
	В.	rought forward		\$ cts. 810 84	\$ cts. 6,227 47
	NOVA S	SCOTIA—Continue	ed.		
	Salarie	s, etc.—Continued	• 1	Ì	
	County of	of Pictou—Continu	ied.		
Robert Archibald J. Robertson D. Miller Wm. McGregor	Salary, from 1s	ry, to 31st Octobe at July to 15th Sep to 21st August, 1 ary,from 1st Jan. to	t., 1879 879	8 33 4 16 2 84 9 56	835 73
	C	ounty of Queens.			
S. T. N. Sellon	do do do	ary, to 30th June, do do do do st July to 15th Sep do do do do do	•••••	225 00 60 00 60 00 57 50 27 50 6 25 6 25 5 21 4 16 4 16 3 13	459 16
l	Cou	nty of Richmond.		ļ	100
Duncan Cameron			880	105 00	
Francis Marmeau	do do do do do do do do	do do do do do do do do do do do do do d	880	125 00 125 00 30 00 30 00 30 00 30 00 25 00 25 00 20 00 20 00 26 25 4 26	
	• • •	,	,, 20.0		545 51
		nty of Shelburne.		1	
Geo. Archer M. Greenwood P. Crowell Geo. Ryer Wm. J. McGill Hy. Ackerman James Turner Richard McGill S. Muir	do do 8 do 8 do 10 do 10 do 4 do	ary, to 30th June, 1 do do do do do do do do do do do to 31st Oct., 18 do 19 days' salary, to	79	25 00 20 00 20 00 33 33 33 33 101 27 16 67 10 00 6 67 16 91	283 1 ⁸
			. 1	. !	

To whom Paid.		Service.		Amount.	Total.
	Bro	ught forward		\$ cts.	\$ cts 8,351 05
i 1	NOVA S	COTIA-Continued.			
ļ	Salarie	s, etc.—Continued.]		
1	Cou	nty of Victoria.			
. W. Burke	For 12 months' sala	ry, to 30th June, 1880)	120 00	
onaid McKae	αo	do	•••••••	120 00	
ngus McDonaldloderick Beaton	do	do		30 00	
Vm. Foyle	do do	do do		30 00 30 00	
ohn McCharles	do	do		30 00	
onald Buchaman	ão	do		30 00	
alcolm McIvor	do	do	********	30 00	
Oseph Guinn Seo. Burton	do do	do		30 00	
oseph Helen	go	do do	************	30 00 30 00	
ohn McLellan	do	do	***************************************	25 00 !	
Oonald McQuarrie	do	do	•••••	25 00	
Conald McMillan	φo	do		25 00	
Oonald McAulay	do	do		25 00	
Hector McKenzie Donald McRae	do do	do do	**************	25 00 25 00	
ohn McDonald	do	do		20 83	
rancis McGregor	8 d o	do	********	16 67	
ohn McRae	8 do	do		16 67	
Kenneth McKenzie	6 do	to 31st December,	1879	15 00	
Francis Arnold	Salary, from 19	st July to 21st Aug.,	1879	3 56	
	Cou	nty of Yarmouth.	:		732 73
Enog Condner			00	150.00	
Enos Gardner	do	do		150 00 50 00	
erome Doucette	do	do		30 00	
wm. Kavanagh	do	do	******	25 00	
wm. Prosser	ģo	do		25 00	
Eustace Nickerson	do	do		25 00	
Edward PerryVital Muise	do do	do do		25 00 25 00	
· M. White	do	do	*************	25 00	
m. Thurston	do	do	******	25 00	
J. I. Brand	do	00	••••••	25 00	
					430 0
	Diebursemen	rs of Fishery Over	SEERS.		
Enos Gardner		bursements, to 31st 1		217 50	
Wm. Anderson	do	d d			
Wm. Anderson W. T Carty	do do	d d		00.00	
W. T Carty	do	ď		00.10	
	ďo	. d		79 00	
. D. Starr	do	d		78 50	
Geo. Redden James King	do	d	_		
CK AIRO	do	đ	0	77 50	
B		-			

To whom Paid.	Service.		Amount.	Total.	
	Brought forward.		\$ cts. 1,023 16	\$ cts. 9,513 78	
	NOVA SCOTIA—Conc	luded.			
	DIBURSEMENTS OF FISHERY OVERSE	ERS-Concluded.			
rs. Quinan	For 12 months' disbursements, to 3	lst Dec., 1879 do	77 10 70 64		
hn McDonald	do do	do	70 37		
. F. McLean A. Tory.	do	do	66 20		
B. O'Brien		đó	66 00		
hn Fitzgerald		do	62 73		
eter Coady		do	60 00		
. McQuarrie		do	56 93		
lex. McDonald		do	55 00 T		
H. Morehouse		do	54 50		
. McRae		do	50 80		
avid Ross		do	48 00 L		
. E. Henry	do	do	42 02		
. C. Pritchard	do do	do;	41 40		
. S. Burnham		do	40 50		
. S. Jost		do	40 00		
W. Davison		do	39 50		
. A. Barrington	do	do	36 00		
rancis Marmeau		do	32 25		
W. Burke		do	32 50		
. Cameron		do	30 00 1		
. Bishop		do	28 60		
. G. McDonald		do	27 45		
McDaniel		do			
y. Blair		do	17 50		
A. Melancon	.l do	do	15 75		
. B. Blair		do	15 00		
. H. Payson	1 2	do	13 00 12 65		
J. Pollock	1	4.	5 20		
B. Colter		4.	3 00		
aac J. Hingley enderson Gass		A .	2 00	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
enuerson Gass~	1	uo	2 00	2.262 00	
J. H. Rogers	For 12 months' salary as Inspec	ctor of	- 1	TUT TO SE	
1 111 110 6010, 1111	Fisheries, to 30th June, 1880	\$1.176 00	1	1,	
eceiver-General	Superannuation tax on W. H. R	ogers'	ina di tanta	41	
1	salary		[· · · · · · · · · · · · · · · · · · ·	<i>1</i>	
			1,200 00 1		
V. H. Wylde	Balance of salary as Inspector of 1	Fisheries	125 83 1		
7. H. Rogers	For 12 months' disbursements as	Inspector of Fis-			
	heries, to 30th June, 1880		l		
H. Wylde	Balance of disbursements as Inspe-	ctor of Fisheries.	27 44		
V. H. Rogers	Balance of disbursements as Inspe Office rent	****** *** ******	50 00		
erald Printing Co	Printing	marrous	4 00	0 /AN 07	
-				2,427 27	
	The street of the street	stone of a t]	Tak bab na	
	T63	3()	ļ l	14,203 05	
	Less refund	1701 (150 M 170 M 170 M 170 M	· ······	- bard 21 37	
			. f		
	1.	***]	14,180 55	

To whom Paid.		Service.		Amount.	Total.
	NEW	BRUNSWICK.		\$ ets.	\$ cts
	Salaries of Fishers	r Overskers and	WARDENS.		-
	Cour	nty of Albert.		1	
Winthorp Akerley	For 12 months' salary	to 30th June, 1	880	100 00	
wallace Tavlor	do	do		40 00 1	
C. Kinne.	do do	do do		40 00	
5. Uliver	do	do		40 00	
acob Beck	do	do		30 00	290 00
			ļ		
	i	ty of Carleton.	1	Ì	
W. B. Mills.	For 12 months' salary	, to 30th June,	1880	150 00	
Geo. Burt	do do	do do	*****	100 00 30 00	
	1	40	1		280 00
	County	y of Charlotte.			
W. B. McLaughlin	For 12 months' salary	, to 30th June,	1880	240 00	
rank Todd	l do	do		120 00	
lames Brown	do do	do do		100 00	
J. M. Lord.	do	do		70 00	
ս. և. Cunningham	l do	do	*****	70 00	
Oamnel Dick	i do	фo		30 00	
Robt. Dickson	do	do do		30 00 30 00	
Andrew Gilmour	l do l do	do		30 00	
ad. Carroll	do	do		30 00	
Thos. Holmes	1 10 do	do do		25 00 5 00	
- 108. Holmes	2 do	uo	***************************************		880 00
	Count	y of Gloucester.			
James Hickson	For 12 months' salary	, to 30th June,	1880	250 00	
Juste Haché	do	do do	•••••••	100 00 50 00	
Alexis Landry, jun Wm. Bateman	do do	do	***************************************	50 00	
Quenstine Cormier	.I do	do		50 00	
US. Poirier	.1 do	фо		50 00	
Fred. Comeau.	do do	do do		40 00 30 00	
Justinien Savoy J. L. Veno	. do do	do		30 00	
MILLER I)emnger	.1 (16)	do		30 00 }	
Tim. Coughlan	. do	ďο		30 00 1	
"Wolnhe Hache	1 00	do		30 00 25 00	
Wm. Rogers J. Calnan, jun	do do	do	******	25 00	
, ,					799 00
	Con	inty of Kent.		}	
Chas, Cormier	For 12 months' salar	y, to 30th June,	1880	100 00	
" MCII Sutherland	do	ao	*********	75 00	
M. A. Girouard	. do	do	****** ********	75 00	
	1 000	ried forward		250 09	2,240 00

To whom Paid.	Service.			Amount.	Total.
	Brought	forward		\$ cts. 250 00	\$ cts 2,240 00
	NEW BRUNS	WICK—Contin	rued.	1	
:	Salaries, E	TO.—Continue	l.	[
	County of K	ent—Continue	d.		
Lazare Guimon Nicholas Muzzeroll F. B. Legaré James Harnett A. L. Collet	For 12 months' salary, t do do do do	o 50th June, I do do do do	880	75 00 50 00 30 00 30 00 30 00	.ar 00
			ľ		465 00
		of Kinys.	į		
Samuel Gosline	For 12 months' salary, t do do do 2 do 2 do	o 30th June, 1 do do do do do	880	100 00 50 00 30 00 8 33 5 00	223 33
	, , , , , , , , , , , , , , , , , , ,				245 50
	-	orthumberland	i	1	
John Hogan Wm. Wyse	For 12 months' salary, t	o 30th June, 1 do	880	200 00	
Chris. Parker Samuel Holt	do do	do do		160 00	
Jas. Russell	do	do		160 00 150 00	
Samuel Freeze John Williston	do do	do do	****************	100 00	
P. Robichaux.	do	do		100 00	
K. Cameron John Blake.	do do	do do		100 00 1 70 00	
Phomas Taylor	do	do	***************************************	50 00	
John Stymast	do do	do		50 00	
Jared Blackmore Samuel Kingston		do do		50 00 50 00	
Aaron Hovey	do	do		30 00	
Geo. Bryenton Pat. Bergin		do do		30 00 (30 00 ,	
Thos. Smith	do	do		30 00	
Pat. Gillis	do do	do do		30 6 0 30 00	
Findlay McDairmaid		do	***************************************	30 00	
Nathaniel Morehouse	do	do do		30 00	
John Doyle Angus McIntosh	' do ! do	do		30 00	
Tubal Watling	do	do		39 00	
Pat. Keating James Fitzpatrick	do do	do do	***************************************	30 00 30 00	
Daniel Matthews	do	d o	**********	30 00	
Michael Donavan Peter Russell	do	do do		18 00	
Hy. Oldfield	9 do 9 do	do		22 50 1 22 50 1	
M. Kyan	6 do	do		17 50	
J. T. Coughlan J. W. Underhill	6 do 2 do	do do	***************************************	15 00 5 00	

To whom Paid.	Service.			Amount.	Total.
1/2	Broug	ht forward		\$ cts. 2,260 50	\$ cts 2,928 33
	NEW BRUNSV	VICK—Contin	ued.		
	Salaries, 1	TC.—Continue	d.	İ	
	County of Northu	mberland-Co	ncluded.		
eo. Hubbard	For 2 months' salary,	to 30th June,	1880	8 33	
W. Dalton	2 00	do		8 33 240 00	
Uhas. Call	l do	do		57 50	
Jas. Bury	do	do		36 00	
Michael Young B. Forsyth.	do do	do do		20 00 15 00	
r. P. Sheasgreen	do	do		15 00	2 660 66
	Countz	of Queens.	ĺ		2,660 66
Isaac Hetherington	For 12 months' salary,	to 30th June,	1880	100 00	
John Secord	l do	do		30 00	
Isaiah Langan Robert Philips	do	do		30 00	
Robert Philips W. H. Clark	do Salary, from 1st Ju	do dv. 1877. to 17	th Nov., 1879	25 00 9 48	
Nobt. McMann	l do	do		9 48	
T. P. Yeoman	} do	₫o		11 39	
O. Thorne	i do	do	***************************************	11 39	
J. J. Camp Carey Eastabrook	i do	do do		11 39 11 39	
H. Starkey	do	do		11 39	000 0
	County	of Restigouche.			260 9
A. McPherson	For 12 months' salary.	•	•	37 49	
Y MCMillan	.i do	do	***************************************	25 09	
Usrmichael	l do	do		25 00	
E. Ferguson	Salary, from 1st J	an, to 31st Dec	c., 1879	85 40	172 8
	County	of Sunbury.	!		
G. W. Hoben	For 12 months' salary,	to 30th June,	1880	100 00	
W. E. Taylor	11 do	do	**** * ********	27 50	127 5
	County	of St. John.			
Joseph O'Brien	For 12 months' salary,	to 30th June,	1889	150 00	
Wm. Skillen W. C. Brittain	do Wages as Assistar	uo	***************************************	100 00	
o. Biittaiti	Wages as Assistan	16	*** ********* ********	35 00	285 (
_	1	of Victoria.			
Chas. McCloskey	. For 12 months' salary,	to 30th June	, 1886	100 00	
		ao	************	30 00	
John McDougall	. do do	do do	*********	30 00 30 0 0	
	l .	ed forward		190 00	6,435
	1	195		1	1

		Service.		Amount.	Total.
	B:	onght forward		\$ cts.	\$ cts 6,435 29
	NEW BRU	NSWICK—Contin	nued.		
		ES, ETC.—Continue			
		Victoria—Conclu	,		
Donald Frazer			ì	30 00	
Phos. Edgar	do	do	*****	30 00	
Edward Maloney	do 6 do	do to 31st Dec., 1	879	30 00 50 00	- 4
·			ļ:	 i	330 00
	County	of Westmoreland			
W. B. Deacon	For 12 months' sale		1880	100 00 60 00	
D. T. Cormier	do 3 do	do do		25 00	10F 08
	_		ľ		185 00
		ounty of York			
Campbell Vm. Brown	For 12 months' sala do	ry, to 30th June, do	1880	60 00 60 00	
lex. Moir	do	do		30 00	
Robert Orr	11 do	00		137 50	287 50
	Disbursement	s of Fishery Ovi	erseers.		
ames Hickson				288 00	
John Hogan Wm. Wyse	do do	go go		196 12 104 72	,
W. B. Deacon	do	do		78 75	
samuel Gosline	do do	do		76 20	
saac T. Hetherington ames Russell	do	do do	***************************************	72 45 65 10	
harles McCluskey	do	do		53 75	
L. Cunningham	do	do	••••••	53 00	
D. T. Cormier	do do	do do	• ••••••	52 00 1 51 35	
V. B. McLaughlin	do	do		50 00	
os. O'Brien	do	do		49 50	
ohn Williston	do do	do do		49 37	
V. B. Mills V. E. Skillen	do	do	***************************************	47 75 45 50	
. Ferguson	do	do		36 00	
Cobert Orr	фo	фo		36 00	
Vinthrop Akerley	do	do		35 34	
amuel Freeze	do do	do do	1970000	35 22 33 25	
mos Perley	do	do		33 00	
	do	do		33 00	
ames M. Lord	do	do		30 00	
ames M. Lord				30 00	
ames M. Lord W. Hoben leo. R. Burt	do	do do			
ames M. Lord	do do	do		30 00	
ames M. Lord	do do do		*****	30 00 30 00	
ames M. Lord W. Hoben leo. R. Burt	do do	do do	******	30 00	7,237 79

To whom Paid.		Service.		Amount.	Total.
	Brou	ight forward		\$ cts.	\$ ct
	NEW BRUN	SWICK-Concl	uded.		
	Disburse	MENTS-Conclude	<i>i</i> .		
eceiver-General. H. Venning. Ch. Hogan Arrison & Burbidge W. Weldon O'Connor A. Stockton L. Tweedie. Bess. Desbrisay. B. Hannington	do do do do do do do do do do do do do d	do do do do do do do do do do do do do d	Fisheries, to Inspector of ector & Clerk Inspector of Mowat th suit Spurr	27 00 26 00 25 75 22 50 21 50 22 00 21 50 22 00 21 60 20 00 18 42 16 00 14 00 9 50 8 50 4 00 1,371 96 395 02 33 00 500 00 36 65 340 52 40 00 33 80 28 69 25 00 25 00 26 52 49 91	2,038 7
eo, Phillips	Oirectory Stationery Boat hire Advertising	, , , , , , , , , , , , , , , , , , ,		10 00 2 00 6 35 43 00 11 00	3,014 4
H, Duvar	SALARIES OF FISHER For salary as Inspecto 1879, to 30th June	or of Fisheries, f	om 16th May,	••••••	881 9
	Cou	nty of Kings.			•
ndrew Whelanllan McDonaldalcolm Mathesondmund AitkenR. McDonald	For 12 months' salary do do do do	-		30 00 30 00 30 00 30 00 30 00	

To whom Paid.	Service.		Amount.	Total.
		rought forwardVARD ISLAND—Continued.	\$ cts.	\$ 1 cts 881 97
		IES, ETC.—Continued.	İ	
		of Kings-Concluded.		
eter Duffy	-	lary, to 30th June, 1880	20 00	
anl. Reilly	8 do	do	20 00	
ohn Brian	8 do	do	20 00	
H. Dingwell	8 do	do	20 00	
ohn Lowe	8 do	do	20 00 1	
at. McCulloch		do	20 00	
ames Mitchell	8 do	do	20 00	
ohn Fisher	4 do	to 31st December, 1879	10 00	
. McGuire	4 do	to 31st October, 1879	10 00	
rs. Cook	4 do 4 do	do	10 00	
as. McAulay as. McInnes	1 4 do 4 do	dodo	10 00	
ohn Crane	4 do	do do	10 00	
one orange and an entire				350 0
	•	County of Queens.		
ohn McMillan	For 12 months' sa	lary, to 30th June, 1880	30 00 1	
lichael Ready		do	30 00	
onathan Delaney	do	do	30 00	
ionel Garnum		do	30 00	
ames Power		do	30 00	
has. Stephenson	do	do	30 00	
Vm. Whitehead		do	30 00	
'hos. Murphy 'rancis Stanley		do	20 00	
indlay McKenzie		do	20 00 1	
as. Matheson		do	20 00	
wan Clark		to 31st Oct., 1879	10 00	
as. Clow		do	10 00	
lex. McRae		do	10 00	
B. Morrison	4 do	do	10 00	
Wm. Campbell	For services as S	pecial Guardian	3 0 00	
-	1	County of Prince.		370 (
D	1	•	20.00	
lames T. Reid	do	alary, to 30th June, 1880do	30 00 30 00	
Hugh McIntosh	do	do	30 00	
Lawrence Phee		do	30 00	
Patrick McBride	do	do	30 00	
John Beaton		do	30 00	
Ab. Wall	. do	do	30 00	\
Wm. Burns	.l do	do	30 00	1
Thos. Drummond	. do	do	30 00	l
G. A. Sharp	. 10 do	do	25 00	i
P. Delaney		do	29 00	}
Jos. Chaisson		do	15 00	i
Alex. McDonald		do	15 00	!
Peter Aylward	. 6 do	do	15 00	1
Peter H. Perry	6 do	31st December, 1879	15 00	1
N. McArthur	Janary, Irom	1 1st July to 21st August, 1879	4 26	1
D. L. Bryant	12 months' s	alary, to 30th June, 1880	3 75	383

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts.	\$ cts. 1,984 98
	PRINCE EDWARD ISLAND—Concluded.	1	
	DISBURSEMENTS, ETC.		
do	For 12 months' disbursements as Inspector of Fisheries to 30th June, 1880	316 91	
	of United States vessel "Kearsage" on the	294 97	
John Clark	Balance of disbursements as Fishery Overseer,	85 63	
A. A. McDonald	Postages, etc	4 00	701 51
	BRITISH COLUMBIA.	j-	2,686 49
_	For 12 months' salary as Inspector of Fisheries, to 30th June, 1880	600 00	· · · · · · · · · · · · · · · · · · ·
G. Pettendreigh	June, 1880	499 92	
A. C. Anderson	Disbursements as Inspector of Fisheries	300 00	1,399 92
	MANITOBA,	1	
James Anderson	To pay for printing and other disbursements con- nected with enforcement of Fishery Laws in Manitoba		19 75
	FISHERIES' PROTECTION SERVICE—GULF AND LOWER ST. LAWRENCE.	-	
Wm. Wakeham	For 12 months' salary as officer in charge of Fisheries' Protection Service, Lower St. Lawrence	1,200 00	
P. R. Dubé J. Couturier H. Roy J. Valle W. Waken W. Wakeham do F. H. O'Brien	Wages as coxswain Wages as sailor do do 12 months' disbursements to 30th June, 1880		
	fish-breeding.		1,880 08
Samuel Wilmot Receiver-General Samuel Wilmot	Disbursements in connection with Inspection of Fish-Breeding Establishments in On-	1 960 00 40 00	
	tario, Quebec, Nova Scotia, New Bruns- wick and Prince Edward Island	551 79	2,551 79
	Carried forward		2,551 79

${\tt STATEMENT} \ \ of \ \ {\tt Expenditure} \ \ on \ \ account \ \ of \ \ {\tt Fisheries}, \ \&c.-{\tt Continued}.$

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts.	\$ cts. 2,551 79
	FISH-BREEDING—Continued.		-,
	Newcastle Establishment, Ontario.	Ì	
Charles Wilmot	For 10 months' salary as Caretaker, to 30th April,		
Wm. Parker	1880	500 00	
W. H. Barber	30th April, 1880	420 00	
Wm. Parker	30th Sept, 1879	100 00 192 55	
S Wilmot	do do do	158 20	
Chas. Wilmot,	do do do	70 60	
W. H. Barber	do do do	26 25	
Jos. Nevin	Wages as Guardian, Baldwin's Creek	40 00	
Geo. Nevin	Night Guardian	5 00	
Rice, Lewis & Son	Rubber hose	25 07	
Thos. Douglas Express Co	Express charges, freight, &c do do	54 56 25 9 5	
Grand Trunk Railway	Freight	58 86	
J. R. Barefeldt	Hardware, &c	28 59	
R. S. Manning	do	3 21	
Jas. Wright	Tinware	27 82	
M. Staunton & Co	Lining for aquaria	5 40	
S. Hotte	Horse hire	7 50	
A. Sarrasin	do	7 25	
Jas. O'Neill	do	3 00 23 00	
S. Frazer	Teaming Provisions	25 39	
W. Wagstaff			
Samuel Wilmot	Rent of ground		
G. M. Clark	do water privilege	100 00	
D. Rose	Coal	75 87	
D. M. Charlebois	Ice	11 00	
R. Andrews	do	3 25	
Fuller, Warren & Co T. G. Rice	Stove fixings	20 95	
F. Stilwell	Blacksmith's work.	13 63	
Lewis Quick		21 88	
J. H. Rolfe	Painting of aquaria	50 01	
Montreal Telegraph Co	elegrams	26 47	
Dominion do	do	16 53	
Livingston Stone	Charges on California eggs	46 50	
M. Gorwell	Picking eggs Food for try		
Lewis Strowger	1	8 10 2 40	
C. J. Montgomery	40		2,431 24
	Sandwich Establishmens, Ontario.		
James Nevin	For 13 months' salary as officer in charge to 30th		
Wm Hill	June, 1880		
Wm. Hill Danl. Lemonde			
E. O'Brien			
James Nevin			i
W. Hill			
S. Wilmot	. Travelling expenses		1
Martin O'Brien	Labor, collecting eggs	128 00	
	Carried forward	1,729 19	4,983 03

STATEMENT of]	Expenditure	on accoun	t of Fisheries,	c.—Con	tinued.
To whom Paid.		Service.	·	Amount.	Total.
			rd	\$ cts. 1,729 19	\$ cts 4,983 03
		REEDING-	Continued.]	
Wm. Hill R. Boismier C. McDonell A. Bentell Wm. Overton Wm. Bentell. Thos. Cogger Chs. Lemonde. Hy. Bracknell James Parrie. James Nevin. H. Bracknell M. ('Brien Odette & Wherry. Perrauit & Ouellette. S. McGee S. Mr. Gee S. Frazer Francis Riley Jas. McKee. H. Middleton Edw. French H. Middleton Edw. French H. Madonette. R. Purser & Sons Ben. Lees J. Boismier H. Thorne Kerr Bros. H. W. Rood & Co E. Boismier F. H. Bell Nevieux Bros Pequenot & Co. C. W. Gauthier. Rubber Co'y J. P. Donaldson & Co Jas. McKee	For labor, collect do do do do do do do do do do do Cordwood do Sawing cordv do Coal Lumber do Large woode Duty on same Iron tanks Repairs to en do do Governor for Boat hire Horse hire Furnishings do Whitefish ova Rubber goods do do	spawning do vood tug n taps	fish	31 80 30 00 20 00 15 00 12 00 10 00 5 00 21 75 11 87 258 99 46 75 43 35 11 90 78 72 23 37 9 60 4 36 50 00 30 00 6 75 12 20 5 50 105 10 13 12 5 50 6 00 1 5	2,869 47
Joseph Radford P. Plourde.	For 13 months' sa June, 1880, 13 months' sal	ary as Care-t	r in charge, to 30th	300 00	
E. Lacroix	1880 Wages and be	ard as Assista	on fry	336 50 245 66 29 66 12 00 8 00 8 00 8 00	
Nero Tremblay	do do do do Labor	do do do do		6 00 4 42 3 70 3 00 34 70	

Carried forward......

999 64

7,852 50

To whom Paid.	Service.	Amount.	Total.
	Brought forward,	\$ ets. 999 64	\$ cts. 7,852 50
	FISH-BREEDING-Continued.		
	Tadoussac Establishment, Quebec-Concluded.		
Pay List	For Labor	24 50	
Simon Goudreau	do	20 00	
Bell Manning	do	18 70	
Jourdain	do	15 20 35 83 (
Maher	do	3 00	
T, Therrien	do	1 90	
Z. Tremblay	do	1 75	
A. Dion	do	0 60	
. Boulliane	do	0 40	
Mary Tremblay	_do	0 25	
Simon Goudreau	Wages as Boatman	42 67	
Auguste Goudreau	Hire of boats	20 00	
O. Boulliane	Lumber	27 69 1	
Walter Ray H. S. Scott	do Paint, oil, etc	22 60 64 68	
F. Bourgoin,	do	16 79	
D. Boulliane	do	4 18	
W. J. Ray	Coal oil, etc.	13 92	
A. Kane	Making tin can	16 50	
H. S. Scott	Hardware	18 90	
J. R. Kane	do	6 92	
J. R. Esmonde	Aquaria	57 95	
F. Chartrand		5 65	
Octave Tremblay Donald Mcf.aren	Towage	24 00 50 00	
F. Sutherland	Tubs for fry	5 85	
John Hovington	Fuel	9 10	
Jos. Radford	Nets for l'Anse au Pilote Fishery	47 00	
Wm. Hovington	Making net	3 36	
W. R. Rouleau	Blacksmith's work	5 78	
Thos. Therrien	Pickets for Pointe à Cariole Fishery	6 00	
do	Board of men working at Hatchery	8 00 1	
H. Ottis	Services as Night-watchman	3 50 1	
T. Fortier St. Lawrence SS. Co	Freight	1 00 19 60	
Jos. Morneu	Whitewashing	2 70	
Jos. Chamberlain		1 00	
P. Marquis.	do	2 00	
A. Goudreau	Expenses to Rivière du Loup with ova	4 25	
E. Lacroix.			
Clovis Tremblay			
Jos. Radford		13 10	
• do	Postages	1 05	1,650 00
	Gaspé Basin Establishment, Quebec.		2,000
P. Vibert	For 15 months' salary as Officer in charge, to 30th		
Henry Davis	June, 1880	375 00	
P. Vibert	1880	309 00	
T C Dowin	ing Establishment	38 66	
J. S. Davis	Catching and guarding parent salmon	208 30	
	Carried forward 202	921 96	9,502 50

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 921 96	\$ cts 9,502 50
	FISH-BREEDING-Continued.		
	Gaspé Basin Establishment, Quebec-Concluded.		
Alfred Davis	For Distributing salmon fry	46 30	
elix Annett	do /	35 80	
elix Coffin	do	34 45 34 0 5	
ames Cass	do	26 40	
eter Miller	do	25 20	
ohn Carberry	do	21 50	
Stanislaus Bond		15 00	
Alfred Stanley	do	14 30	
achlin Miller	do	14 30	
Sanson	do	13 00	
ames McIsaac		10 00	
W. C. Davis	do	55 90 ;	
as. Cass	dodo	48 65 23 40	
Hy. Olsen.		25 60	
Alfred Stanley		23 40	
T. Annett	do	19 50	
Samuel Suddard	do	18 85	
R. Coffin	do	11 70	
Wm. Coffin	do	12 60	
Hy. Davis	Labor	8 00	
as. B. Coffin	do	6 50 (5 00)	
A. Lemesurier Widow Coffin	do Valsing Salmon nota	19 70	
J. W. Lee		30 00	
A. Lemesurier	Fish cans	12 50	
Str. "City of St. John"	Freight on cans, passages, &c	35 65	
& E. Collas	Hardware, &c	37 17	
Leboutillier & Co	do	11 55	
r. Veit		45 92	
W. Coffin	Hauling coal, &c	7 00	
H. Davis	Stove, &c	11 00	
J. S. Davis	Making scow	32 00 1	
Alf. Davis David Robbie	Pickets	11 75 7 00	
Saml. Suddard	Cutting ice	6 00	
Clovis Fortin	Wading boots	9 50	
montreal Telegraph Co	Telegrams	3 46	
A. T. Carter	Net dye	1 25	
d. Lawes	do	1 20	
Uhs. Leslie	Ferries	3 00	
A. Lemesarier	inch pipes	1 70	
P. Vibert	Horse hire	10 75	
Jas. Beattie	Blacksmith's work	1 75	
. X. Lavoie	Copy of deed	1 55	1,772
	Ristigouche Establishment, Quebec.		
John Mowat	For 15 months' salary as officer in charge to 30th		
Wm Dohamas	June, 1880	375 00	
Wm. Robertson John Mowat	months' wages as caretaker to June, 1880	270 00	
MOWAL	Disbursements in connection with Fish-Breed- ing Establishment	173 20	
	ing monationment	110 20	
		1	11,275

To whom Paid.	Service.	Amount.	Total.
	Brought forwardFISH-BREEDING—Continued.	\$ cts. 818 20	\$ cts 11,275 26
	st igouche Establishment, Quebec-Concluded.		
D. Harris	For Catching parent salmon do do do do do do do do do	50 00 25 00 22 00 22 00 19 50 17 25 13 75 10 00 16 50 15 00 15 00 15 00 21 50 13 50 30 00 27 55 7 00 30 00 00 10 00 10 00 10 10 10 10 10 10 10	
A. B. Wilmot	Tinware Iron wire Bedford Basin Establishment, Nova Scotia. For 12 months' salary as officer in charge to 30th June, 1880 Disbursements in connection with procuring fish and distributing fry. 12 mouths' wages as caretaker to 30th June, 1880 Catching parent salmon do Guarding salmon in tanks. Catching parent salmon do do do do do do Horse hire, hauling salmon fry do do Distributing fry Coal	799 92 431 88 312 50 72 00 16 50 70 00 217 70 106 75 42 90 47 50 27 00 24 00 10 54 116 50 53 75 6 00 7 25 6 00 49 10 24 00 13 50 48 97 19 22	1,278 55

To whom Paid.		Service	•	Amount.	Total.	•
	E	Brought forv	vard	\$ cts. 2,565 48	\$ 12,553	
	FISH B	REEDING-	-Continued.		-	
			t, Nova Scotia—Con.			
Richardson & Mason	•			10 70		
A. Wood	do	· ·		12 73 8 49		
J. Harris	Plumbing, sto	ove fixings,	tin-work, etc	85 47		
heakston & Angevin				36 83 6 75		
W. Gilroy				11 66		
P. Bliss			********	9 35		
reighton & Marshall			*************************	12 00 11 58		
· Carter	Ice	· · · · · · · · · · · · · · · · · · ·	····· ································	6 00		
Vm. Gaul				15 00 5 85		
R. Ellis			***************	5 00		
Vm Tolsen	Blankets		* ******** ********* ******	5 00		
McKenzie	Knitting dip	nets	Philip	6 25 48 00		
W. Lowther	do	do do	r mmp.,,	48 00		
W. Currie		_	** ***** ** ** *** *** *** ****	12 00		
S. Thompson			on collecting are	3 00		
L. C. Pritchard			rer, collecting ova	6 45 39 00		
Irs. N. W. Moore				11 25		
Vestern Union Tel. Co				4 90		
Vm. Wood			*********	9 00		
Simon Gaetv	do			8 00		
P. Mott & Co	Lime		••••••			
H. H. Fuller	Roat hire		6	5 95 5 00		
as. Reardon	Salmon boxes		· · · · · · · · · · · · · · · · · · ·	14 00		
enneth Forbes	Rent of land			5 00		
H. Cogswell	Packing hove		······································	1 00 2 00		
ion. C. J. Townsend			······································	8 00		
CDonald & Co	Gravel			2 50		
A. B. Wilmot	Enlarging red	ception tank	at River Philip	200 00	3,253	9
	Cape Breton	Establishm	ent, Nova Scotia.	,		
3. Wilmot	For Disbursement	ts selecting	site for Establishment		69	1
	M iramic k i Es	tablishment.	New Brunswick.			
saac Sheasgreen	For 12 months' sa	lary as offic	er in charge to 30th			
. do		0	ng fry, &c	449 94 108 38		
ohn Hogan	Catching par	ent salmon	and distributing fry	131 90		
* ITICK Hogan	do	do		140 60		
saac Sheasgreenichd. Murphy	do do	do do		89 00 88 80	l	
ucuaei Kvan	do			69 20		
atrick (fillig	do	do		60 30		
at. Morehouse	do	do	********************************	31 92		
				1,170 04	15,877	

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 1,170 04	\$ cts 15,877 00
		1,110 01	10,011 00
	FISH-BREEDING—Continued.	!	
	Miramichi Establishment, New Brunswick—Con.		
Vm. Wyse	For Labour, &c., distributing frydo	71 40 23 23	
ared Tozer	Rent of scow	24 00	
ohn Sheasgreen	Watching fish	23 20 77 87	
. Ferguson		54 00	
ames Murray	Carting coal	24 00	
Sarah Tozer		100 00	
Barrison & Burbidge R. P. Whitney	Professional services	50 75 7 50	
V. & G. Watt	Horse hire.	16 00	
R. H. Grimley	do	8 00	
I. H. Phinney	Rent of fishing shanty	7 00	
I. H. Phinney		20 75	
E. Sinclair	Lumber.	14 75	
as. Young		13 00	
S. Wilmot	Inspection expenses	39 50	1,748 99
	St. John River Establishment, New Brunswick.	Ì	•
r. R. Cameron		2,438 62	
W. H. Barber	9 months salary as officer in charge to 30th June, 1880.	320 00	
do A. B. Wilmot	Disbursements distributing fry, &c Disbursements in connection with supplying	162 18	
C MaCluskov	Account for catching fish	101 63 50 00	
U. McCluskey A. Dickson		48 75	
Chas. Pickett	do	16 00	
G. W. Merritt.		8 00	
W. H. Austin John Richards	Carrying salmon eggs	4 30 52 00	
N. B. Railway Co		28 00	
J. L. Pickett	Cordwood	48 00	
Walter Graham	Lumber	33 87 27 50	
Page, Kidder & Co E. J. Clark		144 58	
Emerson & Fisher	Stove	48 05	
3. Wilmot	Freight on trays, &c	41 06	
N. B. Railway Co Wm. Merritt	Freight	3 00 7 00	
Beveridge Bros		1 85	
ohn Taylor	Stove fixings	5 02	
Thos Douglas	Express charges on trays, &c	12 70	
B. Wilmot	Overseeing construction of hatchery	56 80 94 75	
P. G. Frazer	Wooden plugs	1 80	
Wm Connell		95 00	
Dominion Tel. Co		0 55	3,851 0
	Dunk River Establishment, Prince Edward Island.		
Taunton & Williams	For Contract, building establishment	1,775 00	
do Schurman & Clark	do do reception house	447 70	
JOHNSHIE W UMIR	do do dam	700 00	
	Carried forward	2,922 70	21,477 0

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 2,922 70	\$ cts 21,477 00
	FISH-BREEDING—Continue 1.		
	Dunk River Establishment, P. E. Island-Con.		
lenry Clark	For Salary as officer in charge from 14th October,		
lex. Mowat		425 00	
ly. Clark	November to 31st May, 1880 Disbursements, distributing fry, &c	350 00 59 87	
B. Wilmot	do in connection with supplying	100 00	
ly. Clark	To pay for night watching, &c	82 30	
Wen Connolly	To pay for coal	48 65 40 16	
W Crabb	Coal stove	32 28	
Williams	Freight on coal	8 60 11 00	
McDonald	Labor	14 62	
ohn Bethune	Piping	64 75	
hos. Beattie	Services as inspector	42 00 66 06	
O. Rogers Ohn Bethune		66 25	
3. Wilmot	Disbursements	145 10	
Alex. McDonald	Horse hire	15 00	4 101 01
	0		4,494 34
	GENERAL DISBURSEMENTS.		
r. Ford	Building fishways at Milton, Liverpool River,	760 24	
W. McKenzie	Co. Queens, N.S	20 00	
L. Vachon	Repairs to lish ways at Escouliains River	55 58	
J. Wallace	Building retaining dam in connection with fish hatchery, at Lindoe Island	248 65	
Alex. Begg	Disbursements bringing ova from and taking	240 00	
C. Gilchrist	live bass to Great Britain	100 00	
	Campbell's Bay	165 50	
R. & W. Warminton H. A. Palmer	Fish trays for new batcheries	519 25	
	Вау	40 80	
B. Batson	Hire of tug taking live bass to Campbell's Bay	69 00	
Jas. Cuddie	Cartage of fish	16 00	
O. C. Ray	Express charges on live bass for Campbell's	00 75	
C. Barbeau	Wages as special constable	33 75 98 00	
Ut. R. Rarheau	1 00 00	86 50	*
S. Wilmot	On account of expenditure in connection with		
	building new establishment at Eastern Townships	95 0 0 0	
	10 4 H2H1b2	300 00	3,163 2
			29,134 6
	Less refund on account Alex. Mowatt's wages	•••••	25 0

RECAPITUL ATION.

Fisheries-Ontario	\$12,003	37
Quebec		
Nova Scotia		
New Brunswick		
Prince Edward Island	2,686	49
British Columbia		92
Manitoba	19	75
Protection service, Gulf and Lower St. Lawrence	1,880	08
Fish-Breeding		
Total	\$86,162	55

To the Thirteenth 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, 1880.

\$	cts.	\$	cts
•••••		92	88
637	56		
298		020	
		930	20
 		61	92
************		1,091	00
	637 298	•••••	637 56 298 64 936

EXPENDITURE.

NOVA SCOTIA.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

To the Thirteenth 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, 1880.

			\$	cts
low Bay, Nova Sco	tia		1,938 266	40
laitland do			22	36 67
ak Point do		*********	104	26
do r do r	ent received	from Mr. H. Secord for Lots A, B, C	1,207 561 150	. 00
				20
Tot	al	***************************************	4,274	84

N.B.—In addition to the above amount the Finance Department has placed a sum of \$102.70, paid to the credit of the Receiver-General, as Revenue from Harbor Improvements' Tax, collected at Cow Bay, Nova Scotia, to the credit of Harbors and Piers Revenue.

WM. SMITH,
Deputy Minister of Marine and Fisheries.

JOHN TILTON,
Accountant.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being a synopsis of the Reports on Sundry Marine Hospitals for the Fiscal Year ended 30th June, 1880.

BATHURST, N.B.

Dr. Duncan, Medical Superintendent at this Hospital, reports that six sick seamen were admitted, of whom four were cured and two much relieved.

MIRAMICHI, N.B.

Dr. Thomson, the Medical Superintendent, states that of the fifty-five seamen admitted all have been discharged cured with the exception of one who died from caries of the spine. This hospital has been thoroughly painted and repaired, and is now in every respect in good condition.

RICHIBUCTO, N.B.

The seaman remaining in the hospital at the close of the previous fiscal year was under treatment for thirty days during present year, and in addition thirteen other patients were admitted remaining in the aggregate 572 days. Of these thirteen, Dr. Doherty, Medical Superintendent, reports that three continue under treatment, the other ten having been discharged cured or improved. No deaths occurred.

SACKVILLE, N.B.

At this hospital, Dr. Fleming, the Medical Superintendent, reports eleven seamen admitted, of whom six were cured, four relieved, and one died. In addition to the above one patient was visited and treated at his own house by order of the Department, and several minor cases were treated at the Superintendent's Office which were entitled to hospital relief.

St. Andrew's, N.B.

Dr. Gove, Medical Superintendent, reports thirteen admissions during the year, one death, and that a chronic case of two years standing still remains in the hospital. Seventy-one weeks board and nursing patients were paid the matron and keeper.

The building and premises are in good repair.

Account of expenditure and receipts:

Dr.

Expenditure	for quarter	ended 30th September, 1879	\$214	75
- "	- "	31st December, 1879	130	00
"	"	31st March, 1880	195	(O
"	"	30th June, 1830	130	04
			\$6 69	79

CR.

St. John, N.B.

The Commissioners in submitting their annual report for the fiscal year, and the medical officer's return of sick and disabled seamen received in the hospital during that period, state that there were on the 1st July, 1879, eleven seamen in the hospital, and that 117 were subsequently admitted making 128 under medical treatment during the year. Of that number 110 were discharged cured, four died, and fourteen remained under treatment on 1st July, 1880.

The quarterly accounts and vouchers with receipts for the Department have been forwarded, amounting to \$3,943.12 for the fiscal year, the amount required for the quarterly payments being duly received. As will be noticed by comparison with the previous report, the expenditure has been decreased by the sum of \$546.22.

Dr. Botsford, the medical officer, reports the wards clean and in good condition, and that every comfort is provided for the patients, the supplies furnished being of

good quality.

There has been no sickness among sailors arriving at the port during the year of such nature as to make it necessary to use the Pest House on Partridge Island.

SYDNEY, C. B.

The number of patients under treatment during the fiscal year was twenty, who all recovered, and were discharged, excepting one, who died twenty-four hours after admission. The wards of the hospital were occupied ten months during the year.

YARMOUTH, N. S.

Seven sick seamen were attended by Dr. Perrin, medical officer, but only four of these were admitted to the hospital, the others being visited on board ship, or at their boarding house.

CHARLOTTETOWN.

Dr. F. P. Taylor, Medical Superintendent, reports that sixty-five patients were admitted, and that no deaths occurred.

Souris, P.E.I.

Eight sick seamen were admitted during the year and all discharged cured. Dr. Ford is Mcdical Superintendent.

VICTORIA, B.C.

Dr. Davie, Medical Superintendent, reports twenty-two admissions, all of which were discharged cured. The hospital and grounds are in good order, and the keeper and his wife perform their duties efficiently,

WM. SMITH,

Deputy Minister of Marine and Fisheries.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being Report on the Decayed Pilot Fund of Quebec, for the Calendar Year ended 31st December, 1880.

QUEBEC, 3rd January, 1881.

Sir,—I herewith forward as requested by your letter of the 27th of December, a statement of the Decayed Pilot Fund of Quebec, for the year just ended, and I have, moreover, the honour of supplying you herewith with the following information, viz:—

The total receipts of the Corporation of Pilots, for the year 1880, were \$149,596.96,

and the expenditure \$24,946.16.

There were 191 foreign vessels which paid the sum of \$21,232.19, and 1,024 British vessels which paid the sum of \$128,164.77.

183 pilots received on an average a not dividend of \$680.

I have the honour to be, Sir,

Your humble servant,

C. R. MICHAUD,

Secretary.

To Wm. Smith, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Statement of Moneys received and disbursed by the Corporation of Pilots for the Decayed Pilot Fund of Quebec, during the year 1880.

RECEIPTS.		
m o 1 - 6 1070	\$ cts.	\$ cts.
To Balance of 1879 Percentage on contributions to Pilots Interest on investments Interest—Savings Bank	2,148 37 10,633 75 3,115 68 71 84	15,969 64
EXPENDITURE.		
To Pensions Relief Salaries General expenses Deposits at the Savings Bank Balance on hand	11,865 52 321 66 500 00 13 25 3,034 89 234 92	15,969 64
PILOTS RELIEVED BY THE FUND.		
Wm. Russell Edouard Antil Leandre Raymond Yves Sylvestre Damase Babin	96 00 48 00	321 06
PENSIONERS AT THE EXPENSE OF THE FUND. Amount paid to each during the Year, from 1st November, 1879, to 1st November, 1880.		
Nine Pilots at \$120.		
Paul Plouin Frederick Bernier J. Bte. Dion Laurent Tremblay Joseph Raymond (died 30th March, 1880) Joseph Langlois Frs. Jos Pouliot J. Bte. Bourget Vital Chamberland	. 120 00 120 00 120 00 50 00 . 120 00 . 120 00 . 120 00	1,010 60
Fourteen Pilots at \$110.	ì	
Féréol Bourget (d.ed 21st April, 1880) Cyprien Langlois Rd. Demers J. Bte. Paquet Amable St. Laurent Clovis Autil Jos. Laurent J. Bte. Turgeon F. X. Lachance George Laplante (lost at sea about 15th August, 1879) Jean Frs. Lamarre Damien Boulanger (from the 10th April, 1880) Wm. Russell (died in September, 1840) Prudent Marmen (from the 14th April, 1880)	110 00 105 00 105 00 105 00 105 00 105 00 110 00 110 00 110 00 110 00 110 00 110 00	
		1,233 10
Carried forward, 214		2,243 16

Brought forward	\$ cts.	\$ cts. 2,243 10
PENSIONERS AT THE EXPENSE OF THE FUND-Continued.		
Pilots—Continued.		
Six Pilots at \$96.		
F. X. Lapointe (arrears)	25 00 98 00 44 45 28 26 96 00 96 00 84 00	471 7 1
Seven Pilots at \$92.	ì	
F. X. Corriveau. Michel Fournier Joseph Lapointe Pierre Paquet Frs. Pelletier Gabriel Plante Antoine Roussel	92 00 92 00 92 00 92 00 92 00 92 00 92 00	644 00
Six Pilots at \$88.		
Guil. Fournier Frs. Nadeau Alexis Roy Celestin St. Pierre Ed. Vaillancourt (died 26th March, 1880) Chs. Vezina	88 00 88 00 88 00 88 00 35 44 88 00	475 44
Four Pilots at \$84.		
Louis Lemieux (from \$92 to \$84) F. X. Ménard Michel Vézina Olivier Vézina (died 18th Sept., 1879).	92 00 86 00 84 00 12 25	274 25
Six Pilots at \$80.		
Pierre Charest Frs. Côté Paul Pouliot L. L. Roy James Forbes (at \$48, arrears) do on account Jos. Denis Lapierre (died 11th October, 1880)	80 00 80 00 80 00 80 00 12 00 36 00 10 02 37 78	
WIDOWS OF PILOTS.		415 78
Eighty-four Widows at \$70. Widow of C. J. Adam	70 00 52 50 70 00 70 00 70 00	
Carried forward 215	332 50	4,524 28

		\$ cts.	\$ cts-
	Brought forward	332 50	4,524 28
	WIDOWS OF PILOTS—Continued.		-,
	Eighty-four Widows at \$70—Continued.		
W7: 3			
wiaow o	f Magl. Bouchard	70 00 70 00	
do	Felix Caron	70 00	
do	Germain Caron	70 00	
фo	Ed. Chevalier	70 00	
do	Firmin Couillard.	70 00	
do do	David Cinquars Jean Géroux (from 17th Dec., 1879)	70 00 1	
do	Paul Larochelle	61 06 70 00	
do	Thomas Dick	70 00 1	
do	Paschal Dick	70 00	
do	Jean Dion	70 00	
do	Augustin Dorion	70 00	
do	Frs. Curodeau	70 90	
do do	Pierre Gourdeau (A. N.) Chs. Chouinard (from 28th Oct., 1879)	70 00 70 59	
do	Jos. Dussil	70 00	
do	Jean Gobeil	70 00 1	
do	Alexis Pelletier	70 00	
фo	Louis Crépault	70 00	
фo	Jean Pelletier	70 00	
do do	Louis Lavoie (from 9th Oct., 1879)	74 08	
do	Pierre Gourdeau.	70 00	
do	Jos Raymond (from 1st Oct., 1880)	40 83	
do	J. E. Adam	70 00	
do	Wm. Irvine	70 00	
do	C. F. Koenig	70 00	
do do	Ovide Lachance	70 00	
do	Julien Langlois	70,00 70,00	
do	L. (E. D.) Langlois	70 00	
do	Pierre Langiois	70 00	
ďο	Frs. Lapointe	70 00	
do.	J. B. Laroche	70 00	
d o	A. (L. M.) Lavoie Henri Lavoie	70 00 1 70 00 1	
do	L. M. Lavoie	70 00	
do	Firmin Lévesque	70 00	
do	Jean Marcoux	70 00	
do	Ed. Vaillancourt (from 26th March, 1880)	41 80	
do do	Autoine Michaud	70 00	
do	Vital Charest	70 00 1	
do	Henri Noël	70 00	
do	Pierre Normand	70 00	
фə	Bénoni Normand	70 00	
do	Thomas Connell	70 00	
do do	Nicholas Paradis	70 00 1 15 55	
do	Damase Babin (from 30th April, 1880)	35 00	
do	Maximin Caron	70 00	
do	J. Bte. Patoine	70 00	
do	David Petitgrew	70 00	
do do	Benjamin Pineau Paul Pouliot	70 00	
do	J. M. Plante	70 00	
do	Amable Genest (on account)	52 50	
do	Frs. Rioux	70 00	
do	Pierre Curodeau	70 00	
	Carried forward	4,363 90	4,524 28

WIDOWS OF PILOTS—Continued. Eighty-four Widows at \$70—Concluded. Widow of Eusèbe Thivierge do Fred. Simpson	cts. 3 90	\$ cts. 4,524 28
Eighty-four Widows at \$70—Concluded. Widow of Eusèbe Thivierge	00 00 00 00 00 00 00 00 00 00 00	
Widow of Eusèbe Thivierge do Fred. Simpson	00 00 00 00 00 00 00 00 00 00 00	
do Fred. Simpson	00 00 00 00 00 00 00 00 00 00 00	
do Antoine Boucher	70 00 70 00	
do Pierre Laprise	10 00	
do Thomas Théberge (married 27th Jan., 1880)do Michel Morin (from 15th Sept., 1880)	16 73 8 75	5,487 79
	i	,
Eleven Widows at \$56 each.	į	
do Paul Blouin do Frs. Boissinot do Célestin Cóté do P. Desrosiers do F. X. Lachance do P. V. Lachance do F. Leclerc (arrears) do Michel Pelletier do J. O'Reilly	56 00 56 00 56 00 56 00 56 00 56 00 14 00 42 00 56 00	616 00
Seven Widows at \$44 each.		
do André Keable	44 00 44 09 44 00 44 00 44 00 44 00 41 00	308 00
Fourteen Widows at \$40 each.	1	
Widow of Zach. Blanchet	40 00 40 00 40 00 40 00 40 00 40 00 40 00 40 00	
Carried forward 217	60 00	10,936 07

RECAPITULATION OF PENSIONS. 9 Pilots at \$120	1,233 10 471 71 644 00 475 44 274 25 1415 78 5,487 79 616 00 308 00 580 00	
Total		11,865 52
do (on account) Chas. U. Chouinard 1	. 10 0 0	34 9 45
saac Forbes 2	35 00 5 00	
do 1	5 00	ļ
Pierre Garneau 3. Pineau (arrears)		
Lavoie (sick) 2	26 25 13 20	i •
do 1	20 00	
os. Johan (arrears)	20 00	1
. Dupuis do 1	20 00	
7. Toussaint do 1	l I	!
hos. Boutin do 1	20 00 20 00	
Vm. Petitgrew (sick) 2	35 00	
do do (on account)	5 00	
lenri Gauthier (on account)	15 00	
iii. Couillard (arrears) do (sick) 1 (on account)		
avid Charest, (sick) il. Couillard (arrears)	20 0 0 10 00	
CHILDREN.		
do do	40 00	580 00
do Ls. Thivierge (arrears)	10 00	
do A. Raymond	40 00 10 00 40 00	
idow of Ths. McNeil	40 00 40 00	
Fourteen Widows at \$40-Concluded.		
WIDOWS OF PILOTS-Concluded.		
Brought forward	360 00	10,936 07

		1		
CREDIT.	`\$	cts.	\$	ct
Receipts—Detail.		- (
Syndics of the Quebec Roads: 1 year's interest on \$22,800 to the 1st July, 188) The City of Quebec: 1 year's interest on \$9,000 to the 1st July, 1880 Dominion of Uanada: 1 year's interest on \$9,000 to the 1st Uct., 1880 Estate P. Boisseau: 1 year's interest on \$2,000 to the 2cth Jan., 1880 Savings Bank—Interest on current accounts to 25th May, 1880 Amount received from the Corporation of Pilots do from Pilots' Captains	1,368 630 999 120 7	3 00 0 00 0 68 0 00 1 84	15,968) 6
DEBIT. Pensions and Relief, &c., Paid during the Season of 1880.				
Relief Arrears on pensions on 31st December, 1880 Amount of the list of pensions for the quarter ending 31st January, 1880 do do 30th April, 1880 do do 31st July, 1880 do do 31st October, 1880 I year's salary to Treasurer and Assistant General Expenses Deposits in Savings Bank Balance on hand	163 2,93 2,92 2,94 2,88 2,88 100 13,03	6 69 8 87 3 25 0 00 3 25	15,96	9 6
STATEMENT OF FUND.	F0.05			
Moneys invested. Moneys in Savings Bank Moneys in the hands of Treasurer	53,35 3,03 23			
To deduct the arrears of pensions due to-day	56,62	2 52 8 12	56,49	1 4

E. & E.

QUEBEC, 31st December, 1880.

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.

LLAND,

Accountant.

ALFRED LAROCHELLE, ADJUTOR LACHANCE,

To the Thirteenth 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, 1880.

HARBOUR COMMISSIONERS OF MONTREAL.

SECRETARY'S OFFICE, MONTREAL 7th January, 1881.

SIR,—I have the honour to transmit 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 the 31st December, 1880, also a statement showing the condition of the said fund at that date.

The Fund continues in a very satisfactory condition, the amount received for poundage being \$2,394.23 as against \$1,934.07 in 1879, an increase of \$470.16. The interest on investments, &c., was \$1,836.96, and sundry receipts \$24, making a total of \$4,255.19, the total increase in the fund being \$1,904.08.

There were no deaths among the pensioners on the tund during the year.

Pilot Onesime Naud the elder, aged seventy-five, who has been piloting for upwards of fifty years, was superannuated on the 1st January, on a pension of \$_00 per annum; and Pilot P. M. Mathieu, aged sixty-one, was, at his own request, placed on the retired list on account of failing sight, on the 1st September, and was granted an allowance of \$120 per annum.

an allowance of \$120 per annum.

There are now twenty-five pensioners on the Fund, viz: twenty women and five men; and the total amount paid them as pensions during the year was \$2,166.57.

I have the honour to be, Sir,

Your most obedient servant,

H. D. WHITNEY,

Secretary.

To Wm. Smith, Esq., Del uty Minister of Marine, and Fisheries. Ottawa.

Pilot Fund.
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Treasurer,
D. WHITNEY,
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Olivier Abelle 3 mos	Thomas Dubord	liubert Lemai Joseph Lacoursiére	do Pierre Page	elix Hame	Joseph Bonez Olivier Raymond	saie Beaudry	Severe Belisle	narcisse bouille Louis D. Bouillé	Moise Biron Alex Trottier	David Mathieu	Ed. Boudreau	Joseph Mathieu Eusèbe Toupin	Old Pilot Jos. L. Dussereau	Widow Leandre Mayrand Old Pilot Zenhérin Mayrand	Olivier Abelle	Zepbérin Boudreau Thomas Dubord	Hubert Lemai	do Fierre Fage Paid Old Pilot P. & Cottó	Zéphérin Mayrand	Joseph Bouez	renx namenn Ional I gominion	Leandre Mayrand	Paid Old Pilot Onesime Naud 4	saie Beaudr	Severe Belisle	Narcisse Bouille Louis D. Bouillé	Moise Biron Olivier Raymond	Carried forward
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Balance brought forward	est on \$24,000, 1	on \$2,000,	Received from Collector of Customs-poundage for	Received 4 mos. interest on \$1,600, Canada Dominion	Stock, due let April Stock, due let April	June June ontector or onstoring	Received from J. Banfield, Pilotage dues on Schooner	Received from Collector of Customs—poundage for	July	Received to most interest on \$24,000, iistoot bonds,	lector of Cu	August Bearing "Ameer" for J.		Received poundage, S.S. "Melrose Abbey," for F. A	Received poundage, Brig "Clio," for Geo. Beliele	Received from Collector of Customs-poundage for	Received poundage, S.S. "Tunstall," for Joseph	Lafrenière	Ceceived from Collector of Customs—poundage for	Received poundage, Schooner "Bismarck," for Dele-	voie Nault.	Received from L. N. Bounde, Filot Schr. Robuctan	Received 6 mos, interest on \$2,000, Water Works	Bond, one 1st November	November		of Customs—pour	Carried forward
1880. ITo Balance brought forward	est on \$24,000, 1	6 mos. interest on \$2,000,	31 Received from Collector of Customs-pound	Received 4 mos. interest on \$1,600, Canada Do		June June	22 Received from J. Banfield, Pilotage dues on Sch.	Received from Collector of Customs—poundag		due 5th Inly	31 Received from Collector of Customs-poundage	:	GagnonGagnon	23 Received poundage, S.S. "Melrose Abbey," for 1		30 Received from Collector of Customs-poundage	SS		30 Received from Collector of Customs—poundage	8 Received poundage, Schooner "Bismarck," for L		22: Received from L. N. Bounde, Filot Scur. "Montr	26 Received 6 mos. interest on \$2,000, Water W	30 Received from Collector of Customs—poundage		Received 6 mos. interest on \$1,600, Canada Dom	15 Received to Collector of Customs—pounds, December	l forw

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H. D. Whitney, Treasurer, in Account with the Decayed Pilot Fund-Concluded.

STATEMENT OF FUNDS.	\$	cts
1880. Montreal Harbor Bonds—6] per cent. interest do do —6 do do Water Work: Bond—6 per cent interest Dominion Stock—5 per cent. interest Oity of Montreal Consolidated Fund—5 per cent. interest Cash deposited in City and District Savings Bank at 4 per cent. interest. \$2,561 51 Cash in Treasurer's hands. 51 88	19,000 5,000 2,000 1,600 5,000	00
	35,213	39

H. D. WHITNEY,

Treasurer.

Montreal, 31st December, 1880.

I hereby certify that I have examined the Statement of Receipts and Disbursoments of the Treasurer of the "Montreal Decayed Pilot Fund" for the year ended the 31st December, 1880; 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.

Andrew Allan,
Harbour Commissioner and Chairman Pilot Committee.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being the Report of the Meteorological Service of the Dominion for the Calendar Year ended 3Ist December, 1880.

Toronto, 1st January, 1881.

Sir,—I have the honour to submit herewith my Annual Report for the year ending 31st December, 1880.

It gives me much satisfaction to be able to report a continued increase in the number of volunteer observers.

The new stations are as follows:-

Class 1.—A Complete Set of Instruments.

Conestogo, Ontario, Dr. Passmore. Rapid City, North-West Territory, Rev. Dr. Davis. Bird Rocks, Charles Chiasson.

Class 2.- Rain and Temperature.

Manitowaning, Ontario, W. J. Tucker.
Silver Islet, Ontario, Dr. L. C. Campbell.
Lindsay, Ontario, Thos. Beall, Esq.
Egremont, Ontario, F. W. Stephenson.
Cockburn Island, Ontario, N. Robinson.
Wahigeon, Keewatin, C. E. Perry.
Fort Dunvegan, Peace River, North-West Territory, Jas. McDougall.
Minnedosa, North-West Territory, Rev. J. Wellwood.
Antigonish, N.S., J. D. Copeland.
New Glasgow, N.S., A. M. Fraser.

Class 3.—Rain.

Northcote, Ontario, F. Cosmack.
Lucan, Ontario, J. F. Maguire.
McKellar, Ontario, D. Patterson.
Listowel, Ontario, A. Kay.
Sandfields Mills, Manitoulin Island, G. McDonald.
Michaels Bay, J. R. Thompson.
Credit, Ontario, Dr. B. W. B. Dixie.
Aylwyn, Quebec, D. McNaughton.
Dover, N.B., M. J. Stenes.

The observations at Welland which had been discontinued since August, 1879, owing to the departure of Mr. H. A. Millett, were resumed in September, by Mr. W. B. Raymond.

The observations at Strathroy which had been suspended since February, 1880, owing to the inability of the observer, Mr. Edmond S. Nugent, F.R.C.S.J., to continue them, were resumed on 1st December, 1880, by Mr. G. S. Challoner.

Point du Chêne, N.B., has been raised from 3rd to 2nd class station, Mr. H. H. Schaefer undertaking to take temperature observations in addition to those of rain.

At Mount Allison College, Sackville, N.S., where, owing to difficulty in making arrangements for taking observations during vacation, they had been discontinued, they have been resumed by Prof. Meldon, and it is hoped that arrangements may be completed to insure the observations being taken without interruption.

At King's College, Windsor, N. S., the observations were suspended for several months during the past year, owing to Professor Owen, who had charge of the observations there, having left the country. I am glad to say these observations have

now been resumed under the supervision of Professor W. R. Butler.

Professor Bourne having left Winnipeg, Manitoba; the Rev. C. P. Dundas has succeeded him in the supervision of the observations at the first-class station at St. John's College, Winnipeg.

On the 1st of February last, Lieut. Eardley Wilmot, R. N., commenced taking observations at Yarmouth, N. S., at 10:50 p.m., Toronto time, in addition to the two

other telegraph hours, at which he had previously observed.

No observations have been received from Belleville, Ont., during the past year; and they have also been discontinued at Port Perry, owing to the observer having

left the country.

During the winter of 18:9-80, telegraph reports of observations were received with some degree of regularity from Edmonton, Humboldt and Battleford, in the North-West Territory, and proved of great service in predicting the approach of severe cold. From the opening of spring, however, until 2nd December, owing to the interruption in telegraphic communication, we received but few reports from these stations. Had they been received during the last quarter of the year they would have been of immense benefit to me in predicting the approach of some of the severe fall storms on the lakes.

STORM WARNINGS.

I am happy to be able to report that the storm warnings have again proved in a high degree accurate. In the year 1877, the percentage of warnings verified was 69.0, in 1878; 78.3, in 1879; 83.0, and in 1880, 82.8; and the number of warnings which owing to the delay in the graphic transmission arrived too late to be of service were in 1878, 36; in 1879, 18 and in 1880, 18.

Table No. 1 gives the number of warnings issued in each quarter to each district

with the number and percentage verified.

TABLE No. 1.

	Number Issued.				Number verified.					Percentage verified.				d.	
District.	lst quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.	lst quarter.	2nd quarter.	3rd quarter.	4th quarter.	Year.
St. Lawrence River & Gulf	0 1 116	16	24	77	118	0	7	10	66	83	•		41.7		70.3
Total	117	198	152	422	889	l	168	109	383	736	65.5	84.8	71.7	90 8	82.8

The number of warnings issued during the year was 889, being an increase of 177 over the number issued in 1879, and notwithstanding this increase the percentage of verification is about the same as last year, viz: \$2.8. The increase in the number of warnings was owing to a larger number having been issued to the Lake stations, 292 only having been issued in 1879, whilst in 1880 there were 494. Part of this increase is due to the fact that warnings are now issued to a larger number of stations on the lakes than formerly.

Of the 736 warnings verified, 41 were issued too late to arrive before the storm

commenced, but twenty-two of these arrived in time to be of service.

The want of sufficient reports from distant stations and interruption in telegraphic communication, are generally the cause of lateness in the issuing of these

warnings.

Reports were received from twenty-two stations during the year of the occurrence of storms, when no warning was issued, of which ten appear to have related to purely local storms, and twelve to storms which were more general, five of which were reports of one storm which occurred on Lakes Erie and Ontario during the first reads in Narranham

during the first week in November.

In order that the benefit to be derived from the storm warnings issued by this office might be secured, masts have been erected at various stations; the cost of erection of the masts, and of the gear, being borne either by private individuals or by the corporations at the several places, viz: on Lake Ontario, at Mill Point, by Messrs. Rathbun and Son; and at Port Credit, by various individuals interested in shipping; on Lake Huron, at Sarnia, Bayfield and Owen Sound, by the several corporations at those places.

The mast and gear at Kincardine having been greatly in need of repair, the corporation of the town placed the same in a most efficient condition at their own

expense.

A cautionary storm-signal station has been established at Point Lepreau, N.B., and arrangements are being made for re-erecting the storm signal mast at Port Hastings, the old mast having been destroyed in the gale of October 29th, 1879.

If any evidence were needed of the public appreciation of the usefulness of the storm warnings, the fact above mentioned that corporations, public bodies, and large shippers find it to their interest to go to considerable expense in order to be able to avail themselves of storm warnings, and that another corporation, which has had long experience of their usefulness, has expended money in necessary repairs, would be strong proof that the general accuracy of the warnings is fully appreciated.

A list of stations to which storm warnings are issued is appended.

PROBABILITIES.

The total number of weather predictions contained in our daily probabilities was 5,106, which was 1,017 more than in the previous year; notwithstanding this increase, the high percentage of verification was fully maintained. A table is given showing the number of predictions and percentage of fulfilment for each District, in each month, and in the whole year.

TABLE

	Lower Lake Region.							St. Lawrence.				
	Verified.					Verified.						
Montus.	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
January February March April May June July August September October November December.	150 143 143 132 133 127 119 125 131 141 142 144	107 107	7 5 13 14 12	8 14 10 5 13	76·2 75·5 79·5 81·2 85 0 89·9	90·6 88·1 89·5 93·9 89·5 92·1 95·4 92·9 86·6 91·7	108 127 127 111 128 93 105 99 116 129 122		10 8 19 10 8	12 15 13 9 7 8 9 4 8	84 3 78 7 81 1 76 6 82 0 82 8 82 9 80 2 86 0 83 6 85 5	94·4 96·6 88·2 88·3 93·0 92·4 90·9 96·6 93·8 90·2 91·9
Totals for the year	1,630	1,331	156	143	81.7	91.2	1,389	1,142	134	113	82.2	91.9

II.

GULP. MARITIME.									Тот	AL.							
		,	Verifi	ed.				V	erifie	d.		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
104 777 90 80 101 95 86 119		13 5 7 7 8 4 14	12 10 9 12 13 10	85·7 83·3	84·9 91·6	99 97 109 114 99 124	108' 103' 95 98 94 74 86 83 85 102 77 101 1,106	13 16 10 7 9 8 8 8 8 13	8 6 16 4 9 16	86 9 85 6 78 0 89 5 77 8 81 5	95·5 94·3 93·3 96·4 88·6 91·2 94·9 93·8 85·3 96·6 90·9 87·1	449	315 312 306 288 388 325 355 335 375 405 3425 4,188	45 42 45 32 28 28 47 40 37 38	26 36 38 25 46 31 30 38 35 34 53 48	80·4 79·4 78·7 81·1 81·0 83·8 86·0 83·5 82·1 84·5 80·0 83·2	90·8 90·0 93·0 90·4 92·0 92·7 90·5 92·3 92·9

The number of places receiving these probabilities has been more than quadrupled during the past year. Several railway companies have made arrangements for posting the probabilities at all their stations, and some at their principal stations only. The companies at present doing this are the Grand Trunk, Great Western, Canada Central, Toronto, Grey and Bruce, Port Dover and Lake Huron, Credit Valley, and Quebec, Ottawa, Montreal and Occidental. In addition to this I succeeded in making arrangements with the Montreal and Dominion Telegraph Companies under which the probabilities were to be furnished daily to 300 stations fairly distributed through the different parts of the Dominion reached by these companies and by the Western Union. In addition to these, so great is the demand for the probabilities that the telegraph companies find it to their interest to furnish them to many stations not provided for in this agreement, and applications are constantly being received from all quarters, asking to be furnished with them.

It is occasionally found possible to predict the weather not only as is usually done for twenty-four hours in advance, but for two or three days. On one occasion a prediction that fine weather would last over three days was issued separately and posted up generally throughout the country and was fully verified. This has since been done in connection with the ordinary probabilities when it was considered that there was a fair prospect of success. Some extended predictions of this kind were issued at the hay season, and as the weather had been unusually showery they proved of great benefit to the farming community, Such predictions might be more frequently made if we received telegraphic reports from a more extended area.

When heavy snow storms, accompanied or followed by high winds to cause drifting, are expected, I have sent a notification to that effect to the general managers of railway companies whose lines pass through the districts likely to be affected.

In addition to the information thus regularly made public we frequently made special predictions in answer to individual inquiries. The enquiries are frequently as to the prespect of a favorable wind for sailing from a specified port to some other; but it is not only from those interested in shipping that enquiries are received, but from various other commercial interests who find a knowledge of the approaching changes of the weather of great service to them, and it is becoming generally realized that all classes of the community are receiving benefit from the work of this office.

CENTRAL OFFICE.

Early in the year just closed, Professor G. T. Kingston who had been Superintendent of the Meteorological Service of the Dominion of Canada from its first establishment, and to whose exertions the existence of the service is chiefly due, was obliged, through failing health, to resign his position. The loss of his survices will be regretted by all who have been connected with him in this work. As the failure of his health was due in a great measure to the labour and anxiety of his office, it is to be trusted, that now he is relieved from his duties, he may in some measure recover his health and yet do good work towards the advancement of meteorology. On the 1st of February I was appointed to succeed Professor Kingston as Superintendent of the service. The post of Deputy Superintendent which I thereby vacated was not however filled until the 1st August, when Lieutenant A. R. Gordon, R. N. was appointed. These, however, are not the only changes in the staff of the Meteorological Office which have taken place during the year, for Lieutenant S. A. Roberts, R. N. who had been for seven years Inspector of Stations, resigned his position, seeing no prospect of receiving an adequate remuneration for his services, and Mr. Payne was promoted to the position thus vacated, and the staff was brought to the same numerical strength as heretofore by the appointment of Mr. G. F. Hector to a Clerkship.

The growth of the system referred to by Professor Kingslon in his last report as being such as to make it difficult for the staff to get through the ordinary routine work of the office, has continued in an increased proportion, but no increase has been made in the staff to meet the greater demand of the work, and consequently every

one in the office has more work to do than he can well accomplish.

The recommendation made by Professor Kingston, that the staff should be encouraged by giving permanency to their appointments by placing them on the Civil Service list, I most heartily endorse. It must not be forgotten that the work performed by this office is largely of a nature for which it is impossible to obtain persons already trained, and consequently the loss of any of the members of the staff entails a waste of a very large amount of time in making those who are brought in to fill the vacancy acquainted with the work; and, more particularly, if those whose duties it is to make out the daily probabilities and storm-warnings were to leave, the training of new persons until they had acquired a similar degree of precision would be the work of years, and there might be also time wasted in finding a person who would be capable of acquiring the requisite knowledge.

It is difficult for persons unacquainted with the peculiar nature of the work connected with a meteorological office to realize the disastrous results which would follow the loss of only two or three trained members where the staff of the

office is as small as in our case.

United States Signal Office.

The Chief Signal Officer at Washington has continued courteously to interchange reports with this office. I regret to have to record the death during the past year of Brig. Gen. J. Myer, late Chief Signal Officer, U.S.A, but for whose co-operation with my predecessor, the metereological service of Canada could never have attained to its

Present state of efficiency.

Although considering the small amount of funds at the disposal of the Meteorological Service, it has performed a vast amount of work and reached a high degree of efficiency. Yet there are many respects in which improvement is needed, and much yet remains to be done, and while some of these improvements might be effected without much expense, the service could never be brought into a state which, considering the large amount of shipping and agricultural interests to be benefitted by it, it should reach without a considerable increase in the funds appropriated to it.

First, with regard to our daily probabilities which are made out at 10 a.m. This corresponds in time to something after 11 a.m., in the Maritime Provinces, and when we take into account the time occupied in telegraphic transmission, it is fully midday before they are made public in the east, which greatly impairs their usefulness. In order to get over this difficulty, the probabilities should be issued at midnight, which would enable us to furnish them to the Associated Press in time for publication in all morning newspapers, and in any other way that might be desired. To enable us to do this we should have to receive at Toronto a large additional amount of information by telegraph at midnight, a portion of the staff, also in addition to the attendance in office hours, would have to work from 11 p.m., to 1 a.m at night continually, instead of, as now, occasionally. This would entail increased expenditure.

With regard to the storm warnings, it has been mentioned that localities largely interested in shipping are now erecting the masts at their own expense. While there is no reason why the cost should not be borne in such cases by those to be immediately benefitted by the warnings, there are many points where vessels pass, and at which the display of storm signals would be a great benefit, but where there are no large corporations who are interested in shipping to pay for the cost of erection. At such points the cost should be borne by the Government, as the benefit is one to be derived by ship owners generally, rather than those trading with any

Particular port.

The funds at my disposal, however, scarcely admit of anything being done in

this direction.

The accuracy of the storm warnings might be improved in a very inexpensive way, if accurate information were received at this office of the weather each day at various points along the coast, as this would give us data for finding out in what cases storms had occurred which were not predicted, and also when the weather following the storm warning was not such as to justify it. This, by leading to inves-

tigation as to the cause which led to the failures, would very soon improve the general accuracy of the warnings. Such information might conveniently be forwarded from various lighthouses along the sea coast. Part might be advantageously telegraphed now that the lighthouses are many of them connected with telegraph lines under

Dr. Fortin's scheme, and a larger number of points might report by mail.

The warnings and also daily probabilities in the Gulf of St. Lawrence would be very much improved were reports received at Toronto regularly by telegraph from the south-west point of Anticosti, and from the Bird Rocks; the latter point has already a full supply of instruments, and could commence telegraphing observations at anytime, and the completion of the equipment of the station at Anticosti might be accomplished as soon as navigation opens in the spring.

In view of the probable immediate development of the North-West Territories and British Columbia, it is to be regretted that so little reliable information is possessed of the climate of these regions. We have, indeed, a few scattered observations taken almost entirely by volunteer observers, some of whom have been contending with the considerable hardships of a pioneer life, while yet devoting a portion of their time to the advancement of a knowledge of the climate of these regions.

It would be very desirable that at a few selected points an adequate remuneration should be given to observers to enable them to take systematic observations from which we might obtain a fairly accurate notion of the general climatology of the

country.

INTERNATIONAL POLAR COMMISSION.

I have been requested by the International Polar Commission to endeavor to obtain the co-operation of Canada in a scheme for circling the North Pole with posts of observations for one year, commencing in the fall of 1882. These observations have for their object the acquiring of more definite knowledge as to the movement of atmospheric disturbances from the polar regions, so as to be better able to trace the effect of changes in the weather occurring in lower latitudes where they are referable to atmospheric conditions in regions at present unexplored. At the same time observations will be taken of the magnetic elements to increase our knowledge of magnetic science, and if possible to find a link between meteorological and magnetical phenomena.

It is needless to say that Caneda, having so large a territory in northern latitudes, will derive a greater direct benefit from any advance of knowledge in this direction, than almost any other country, and as the expense of such an undertaking need not, if properly conducted, be large, I would strongly urge you to, if possible, obtain the favorable consideration of the Canadian Government for the co-operation of Canada in

this project.

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. They might still further add to the efficiency of the service by inducing others to take observations of the rain-fall in various localities.

All of which is respectfully submitted.

CHARLES CARPMAEL,

Superintendent of the Meteorological Service.

To the Honorable The Minister of Marine and Fisheries

METEOROLOGICAL Stations in correspondence with the Central Meteorological Office, Toronto.

CHIEF STATIONS.

Province.	Station.	Superintendent.
Nova Scotia	Sydne y	J. C. Hill.
New Brunswick	St. John	J. C. Hill. Augustus Allison. G. Murdock, C.E. Professor Harrison, University of New Brunswick. LtGol. Strange, R. A., and LtCol. Irwin, R. A.
Quebec(3)	Quebec	Lt -Gol. Strange, R.A., and LtCol. Irwin, R.A.
Ontario (3)	Montreal	Professor Woolverton, Canadian Literary Institute.
Manitoba British Columbia	Winnipeg Spence's Bridge	Officers of St. John's College.
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REPORTING TELEGRAPH STATIONS.

Station.	Observer.	Station	Observer.
(1) Sydney, C.B., Nova Scotia (1) Halifax, Nova Scotia Yarmouth, Nova Scotia Chatham, New Brunswick Rather Point, Quebec Quebec, Quebec	Lt Eardly Wilmot, R.N. G. A. Blair. J. McWilliams. Capt. Ashe, R.N C. H. McLeod, C.E. W H. McIntyre.	Toronto, Ontario	H. Morgan. M. Payne. K. Stewart. Rev. R. Mosley. J. Stewart. J. Little.

⁽¹⁾ Chief Station. (2) First Class Ordinary Station. (3) Chief Stations in a partial sense only.

RESERVE TELEGRAPH STATIONS.

Station.	Observer.	Station.	Observer.
St. Andrew's, N. B	Dr. Gove. W. P. Cook.	Charlottetown, P. E. Island	H. J. Cundall, C.E.

CAUTIONARY STORM SIGNAL STATIONS.

Station.	Person in charge.	Station.		Person in charge.
(b) St. Andrews, N.B	G. Murdoch, C.B. W. H. Taylor. G. Thomas. J. L. Hemmeon. Royal Engineers. C. Archibald. C. H. Rigby. T. C. Hill. Peter Grant. W. H. Townsend. M. Campbell. H. J. Cundall, C.E. H. H. Schaefer. G. A. Blair. Hon. J Ferguson. H. A. Johnson. P. Vibert. J. Eden. J. McWilliams. Sergt. Mai. Walters	Mill Point, Cobourg, Port Hope, Queen's Whf, Toron Gibraltar Point, do Port Credit, Oakville, Burlington Beach, Hamilton, Port Dalhousie, Port Colborne, (a) Port Dover, (a) Port Stanley, (e) Goderich, (c) Kincardine, Saugeen, (c) Presque Ile, Collingwood, Owen Sound,	do do	S. Woods, M.A. Rathbun and Sons. F. Reynolds. T. F. Janes. A. Taylor. G. Durnan. A. Blakely. S. Bell. J. Campbell. G. Black. E. F. Dwyer. D. Hughes. H. Morgan. U. Payne. G. N. Macdonald. Dr. Martyn. Thos. Davies. J. McKenzie. A. Bligh. Jas. Thompson. M. Fleming. J. Gardner.

⁽¹⁾ Chief Station, (a) Reporting Telegraph Station, (b) Reserve Telegraph Station, (c) First-Class ordinary Station, (d) Second-Class ordinary Station.

ORDINARY STATIONS.

		1	
Station.	Observer.	Station.	Observer.
Nova Scotia.		NEW BRUNSWICK—Concluded.	
Class I.		Class II.	
Truro King's College, Windsor {	James Little, M.A. Prof. J.E. Oram, M.A. Prof. W. B. Butler.	(f) Dalhousie, Restigouche. () Point Lepreaux Dorchester	G. Thomas.
Class II. Digby	R Elmshy	Class III.	M. J. Steves.
New Glaspow Antigonish	A. Fraser. J. D. Copeland.	Quebec.	
Class III.		Class I.	
Beaver Bank	James Grove. C. Archibald. J. Challoner.	HuntingdonOranbourne	Dr. Shirriff. P. Cassidy.
Labrador.		Class II.	
Ramah	S. Weize.	Anticosti, SW. Point Belle Isle	M. Colton. P. Godier. Rev. Abbé Huart.
Newfoundland. $Class\ I.$		Richmond	1 (3-11-
St. John Channel Fogo	John Delaney. N. Smith. James Fitzgerald.	Class III.	G. F. Hall.
Class II.	Tragerard	Aylwin	M. J. Chamberlain.
Bay of IslandsPlacentia	Capt. Howarth. G. M. Carson.	ONTABIO. Class I.	
PRINCE EDWARD ISLAND.		Little Current, Algoma Norwood, Peterborough	Rev. T. F. Fother
Class I.		Granton, Middlesex(f) Kincardine, Bruce	Dr. Martyn
(b) (f) Charlottetown	H. J. Cundall, C.E.	Conestogo, Waterloo	Dr. Cassmore. A. Sinclair, M.A. Rev. Grant R.A.
Class II.		Stratford, Perth	C. J. Macgregor, M.
Soaris Kilmahumaig	D. Sutherland. James Hunter.	Goderich, Huron	H. J. Strang, B.A. J. F. Jeffers, M.A. H. B. Spotton, M.A.
NEW BRUNSWICK.		Pembroke, RenfrewOttawa	. A. Thompson.
Class I.		London	LL.D. W. J. Mackintosh.
(f) Bathurst	Hon, J. Ferguson.	Moose Fort	J. R. Nason.

ORDINARY STATIONS-Concluded.

Station.	Observer.	Station.	Observer.
Ontario—Concluded. Class II. Brampton, Peel	J. Reynolds. T. M. Robinson. Dr. Howlan.	Manitoba—Concluded. Class I.—Concluded. Poplar Height Manitoba Penitentiary	A. C. O'Biern. S. L. Bedson.
Welland, Welland	W. B. Raymond. J. J. Mowat. Alex. Barrie. Lohn Young	Class III. Ossowa	W. H. Turton. J. C. Lipset.
Point Pelee Nottawasaga Island Owen Sound Fort Albany Islington Manitowasing Strathrey	G. Collins. J. McLean. W. K. Broughton. Rev. B. Spence. W. J. Tucke.	NORTH-WEST TERRITORIES. Class I. York Factory	W. Wood.
Strathrey Silver Islet. Lindsay. Egremout Cockburn Island	T. S. Challoner. Dr. L. C. Campbell. Thos. Lindsay. F. W. Stevenson. H. Robinson.	York Factory Battleford Rapid City Fort Walsh Fort McLeod	Price. Rev. G. B. Davis. T. R. Neate.
Class III.		Class II.	<u> </u>
Georgina, York Orillia, Simcoe, Lakefield (f) Goderich (f) Presqu'ile. Northcote Lucan McKellar Listowell. Sandfield Mills, Algoma Merchants' Bay, do Credit	H. Lefevre. G. N. Macdonald. John Mackenzie. F. Kosmack.	Fort Calgary Fort Simpson Marten's Falls Mistasinny Fort Dunvegan Minnedosa British Columbia.	Wm. Miller.
Merchants' Bay, do	J. R. Thompson. Dr. B. W. B. Dixie.	Class I.	Capt. A. Peele.
KEEWATIN.		Class II.	
Class I.	John Taylor,	Stuart Lake	G. Hamilton. Dr. W. H. Ladness- H. Featherstone.
Class II.			
Wabigoon	C. E. Perry.	Class III. Nicola Lake Langley Clinton Hope Soda Creek	E. Dalley.
MANITOBA.		Clinton	M. O'Connor-
Classe I.		Soda Creek	H. J. Yeates.
(a) Fort Garry	James Stewart.	Chilliwhack	J. MCURICHOOL
	1 -	11	<u> </u>

⁽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. Obse	rver.	Station.	Obser v er.
Nova Scotia. (f) Glace Bay C. H. Rigi Co King's College, Windsor.	n. M. A. IlČIŠ	ONTARIO. Cornwall Woodstock	Prof. Wolverton, B. A. Rev. T. F. Fother-
New Brunswick.	erguson. (c) nson. (c) ison. (c)	Granton Stratford Peterborough Hamilton Moose Factory	C. J. Macgregor, M.A. J. F. Jeffers, M.A. G. Dickson, B.A.
QUEBBC. (1) Quebec Citadel Sergt -Ma	St.	ST. PIERRE ET MIQUELON.	The Commandant

⁽¹⁾ Chief Station; (c) 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.

The 7.25 A.M. observation has also been regularly made and forwarded by the observers at all the Telegraph Stations, with the exception of St. Andrews, N.B., who declined to co-operate.

Instruments and books, with the necessary forms, have been supplied to several stations in Ontario, North-West Territory and British Columbia, but no returns from them have yet been received.

To the Thirteenth 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, 1880.

MAGNETIC OBSERVATORY, TORONTO, CANADA, 10th January, 1881.

Sir,-I have the honour to submit herewith my annual report for the year

ending 31st December, 1880.

The late Director, Professor G. T. Kingston, M.A., in his report for 1874, and for subsequent years, has given a description of the objects of the Observatory and of the various instruments employed in it. The observations of all these instruments have continued as heretofore, the only change being in the time of taking the eye observations, which was changed by order of the late Director, on 1st January, 1880, from 6 and 8 a.m., and 2, 4, 10 and 12 p.m., to 6.50, 10.50 a.m., and 2.50, 6.50, 10.50 p.m. for meteorological, and ten minutes later for magnetic instruments.

The measuring of the photographic traces, which was much in arrear, has been pushed on as far as possible. All current traces are now measured very shortly after

being developed, and the old traces as time will permit.

A considerable amount of trouble having been experienced in accurately determining the times to which different portions of the magnetic traces referred, an automatic arrangement for cutting off the light from the instruments, simultaneously with the cut-off of the barograph, was constructed, and put into action on the 9th

December, 1880, the arrangement by which this is effected is as follows:-

A square frame, pivoted in the middle of two of its sides, surrounds the base on which the revolving cylinders carrying the photographic paper are mounted. This frame carries three narrow screens which, in the ordinary position, are out of the line of light; the frame also has attached to it the armature of a small electro-magnet. At two minutes before every even hour, the barograph clock, in turning the screen to cut off the light from that instrument, also closes an electric circuit. The small electro-magnet then draws down the armature, and brings the frame into a position in which the light of the three magnetic instruments is cut off. At two minutes after the hour the circuit is again broken and the frame falls back into the normal position. Before constructing this apparatus, experiments were made by me to detect whether the small electro-magnet would perceptibly affect the magnetic instruments; and I found that, in the position in which it is placed, the instruments were none of them affected to an appreciable extent, even when the circuit was closed, at which time, as there is no registration, any small movement would be immaterial.

During October, the Observatory was visited by Lieutenant S. W. Very, United States Navy, in order to determine the constants of the magnet of his portable theodolite magnetometer, by comparing observations made with it, with the magnetic elements as determined with the more complete instruments of this observatory. Lieutenant Very had, during the summer, made numerous observations with his instrument between Lake Superior and Moose Factory, and desired to

determine the constants, so as to reduce his results into absolute measure.

I am happy to be able to report, that the observations taken at this Observatory in past years, tegether with those at a few others, are being worked up by Professor Balfour Stewart, of Owen's College, Manchester, England, with a view to connect meteorological and magnetic phenomena with solar physics. He has already communicated to the Royal Society of England certain valuable results which he has deduced from his research.

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At my appointment to the position of Director, the Government gave me the use of the Director's house. Owing to a claim, however, having been advanced by the University of Toronto to the ownership of this house, which is at present uninhabitable, the Government have decided not to execute the necessary repairs until the claim is definitely settled, and I have accordingly not been able to occupy the house.

This has naturally caused much inconvenience and has prevented me from exercising so efficient a control over the work of the Observatory, as I could have done had I been residing on the spot. I trust, therefore, that a speedy settlement will be arrived at.

At the close of the year 1881 there will be ten years of unpublished records of observations taken at this Observatory. As my staff is insufficient to do much towards deducing results, it is of the utmost importance that these observations should be published, and so made accessible to such scientific men as are devoting their time to the investigation of magnetic and meteorological phenomena. As I have already mentioned certain investigations have already been conducted based on our observations, the necessary data having been furnished from this office in manuscript. We have also received an application from Carlish P. Paterson, Esq., Superintendent United States Coast and Geodetic Survey, for the results of certain of our observations, in order that he may publish them, and offering at the same time to pay for cost of copying.

It appears to me unreasonable that other nations should be put to expense in obtaining the results of our observations, especially when we consider that their results are published and furnished to us free of charge. I would, therefore, respectfully recommed, that provision be made for the publication of the results of the decade ending 31st December, 1881.

The above respectfully submitted,

CHARLES CARPMAEL,

Director.

To the Honorable J. C. Pope, M. P., Minister of Marine and Fisheries.

To the Thirteenth Annual Report of the Department of Marine and Fisheries being the report of the Montreal Observatory for the Calendar Year ended 31st December, 1880.

McGill College, Montreal, 1st January, 1881.

SIR,—I have the honour to report that the meteorological observations at this Observatory have been made without interruption throughout the year. On the 1st of January last, the observation hours were, by request of the Superintendent of the Meteorological Service, changed to 3.13 a.m., 7.13 a.m., 11.13 a.m., 3.13 p.m., 7.13 p.m., and 11.13 p.m.; with a special observation at 7.48 a.m. for the International Bulletin. The tri-daily telegraphic signals in connection with the Canadian and United States systems of simultaneous observations have been continued asheretofore.

During the year much labour has been expended in collecting and arranging old meteorological observations made at Montreal; this work when completed will

secure for us a continuous record from the year 1867.

Results of observations for each day have been published in the Gazette newspaper, and also a summary for each month of the year. Copies of the monthly summaries have been regularly distributed to upwards of forty persons interested in meteorology. In addition to the information furnished the public in this way a large number of applications for special information regarding the weather have been answered by letter. Appended hereto is a summary of meteorological results for the year.

The time service, described in detail in last year's report, has been continued throughout the year with the greatest possible accuracy. The railways have also been provided with time signals through the agency of the Montreal Telegraph

Company.

An accurate comparison of the position of this Observatory and of the time-ball with that of a station in Viger Garden in this city, has been made in order to redetermine the longitude of the observatory. The longitude of the station in Viger Square was determined by Captain Ashe, R.N., in 1857, by telegraphic signals with the Observatory at Quebec. The result of this determination is four hours 54 minutes 11.85 west of Greenwich. This Observatory is 5.68 seconds west of the Viger Square; making the longitude of this point 4 hours 54 minutes 17.53 seconds. The longitude of the time-ball was similarly found to be 4 hours, 54 minutes, 11.6 seconds west of Greenwich. It is intended to secure, at as early a date as possible, a check upon these values by direct telegraphic connection with the Cambridge (Mass.) Observatory.

During the summer and fall a series of observations have been made on the transit of stars over the prime vertical for the more accurate determination of latitude. These observations, owing to press of other work, have only been partly reduced, and it would therefore be premature to announce a result in this report.

A clock movement, specially designed for the purpose, has within the last few days been attached to the equatorial telescope. The train of this clock is driven by a weight, and its motion is controlled by an adjustable governor-fan. There has not yet occurred an opportunity of testing its performance, but good work may undoubtedly be anticipated from it.

The Blackman telescope has been used chiefly for the educational purposes of the

University.

1 have the honour to be, Sir, Your most obedient servant,

To the Honourable

The Minister of Marine and Fisheries.

Ć. H. McLEOD, Superintendent

METEOROLOGICAL RESULTS FOR THE YEAR 1880. MCGILL COLLEGE OBSERVATORY, MONTREAL.

Height above sea level, 187 feet.

Month		Therm	Thermometer.		*	Barometer.	eter.		pressure apour.	relative nidity.	Wind.	ıd.	19d pep	wong bu
	Mean.	Max.	Min.	Range.	Mean.	Max.	Min.	Range.	nasM †	пвэМ ‡ пиН	Mean direction.	Mean velocity in m.p.h.	Sky clo	Rain a
Tannarv	22.415	43.8	9.5	53.3	30-11781	30.864		1.377	1018	9.14	or.	13.61	9.89	3.03
February	19.888		-17.6	68.7	30 00822				0.974	73.9	S.W.	15 00	61.5	3 7
March	22.036		-11.2	8.09	30.05803				0896	8.69	ż	11.70	48 0	2.55
April	39.293		10.2	53.2	29-87688		29.582			0.69	W.S.W.	14.78	65.3	4 03
May	58 603		57.9	62.3	29.94195	30.360				 	W 25 W 0	12.45	æ (2.97
July	69.583	86.2	52.7	33.5	29 88246	8 8		0.140	4787	67.4	S.W. by W.	0 00 0 00	5.55	2 20
:	_		44.8	41.4	29 98903	30.	29 : 56		·	68.7	W.S.W.	9 11	47.0	1.4
	C0.312		40.3	44.7	29.9.100			_	•	74.3	W.S.W.	9.62	8.19	2 83
October	45 745		24.3	53.8	30.03262				•	18	S. W.by W.	11:00	99.99	67.4
November	29 099	0 69	2.2	8.97	30 15725	ė	ši			19.5	S.W.	12.05	0.89	4.83
December	15 700	40.6	9.8	49.2	29 98282	30 579	29.483		6030	82.2	W.S.W.	11.26	67.2	2.11
Means for 1880	43.018	67 78	16 62	51-17	29.09354			1.015	2529	72.52	S.W.by W.	11.503	60.31	3.407
Means for 6 years ending with 1880	42.471				20 96253				2562	74.30	W. by S.	11.077	62 02	3.301
* Barometer reduced to 32° Fahr., a The monthly means are derived from	Fahr., and to sea level.	a level.	†Inch	, and to sea level. Inches of mercury.		‡ Relative s beginning w	# Relative saturation 160. beginning with 2.13 a.m.	on 160.	C. 11	C. II. McLEOD	FOD			
									1		Superintendent	endent.		

The greatest heat was 86°.2, on July 10th, and August 24th. The greatest cold was 17°.5 below zero, on February 2nd, showing an extreme range of temperature for the year of 103°.7. Greatest range of theomometer in one day was 46°.6, on the 30th of January. The warmest day was the 4th of September, the mean temperature being 76°.85. The coldest day was February 2nd, the mean temperature being 4°.85 below zero. Highest barometer reading was 30°.864, on January 29th. Lowest barometer reading was 29°.228, on March 5th; giving a range for the year of 1.636 in. The lowest relative humidity was 26, on the 26th of March. Greatest mileage of wind in one hour was 47, on January 10th; when the greatest velocity was at the rate of 68 miles per hour.

RAIN AND SNOW FALL DURING 1880.

McGill College Observatory, Montreal.

Month.	Inches of Rain.	No. of days on which Rain fell.	Inches of Snow.	No. of days on which Snow fell.	Inches of Rain and Snow melted.	No. of days on which Rain and Snow fell.	No. of days on which Rain or Snow fell.
January February March April May June July Septenber October November December	1·27 1·14 0·04 3·17 2·97 3·27 5·35 1·44 2·83 4·44 3·63 0·29	12 6 2 18 19 16 17 13 17 17 17	16 · 3 26 · 0 25 · 1 8 · 6 0 0 0 0 0 0 0 0 0 0 3 · 1 12 · 7 17 · 6	11 16 16 10 0 0 0 0 0 5 15	3·03 3·74 2·55 4·03 2·97 3·27 5·35 1·44 2·83 4·75 4·82 2·11	2 2 0 5 0 0 0 0 0 3 3	21 20 18 23 19 16 17 13 17 19 20
Totals	29.84	147	109.4	91	40.89	16	222
Means for 6 years ending with 1880	27.75	137.5	118.2	85.2	39 61	16 3	206.3

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being the Report of the Quebec Observatory for the Calendar Year ended 31st December, 1880.

> The OBSERVATORY, QUEBEC, 1st January, 1881.

Sir,—I have the honour of submitting the following report of the Que ec

Observatory for the year just ended.

As in past years the time has been daily given to the shipping and city during the season of navigation by means of the time-ball, and after the close of that season by the mid-day sun.

The ball season commenced on April 26th and closed on November 20th.

following are the days on which the ball failed, with the cause of the failure:-

May 5th. Ball slipped. " 6th. No current.

June 2nd. Connection out of order.

" 11th. Ball apparatus at Citadel out of order.

" 19th. Part of ball apparatus broke.

July 9th. Ball not hoisted (blowing heavily).

" 26th. Chronometer stopped. Aug. 4th. No current. " 10th. Heavy gale blowing.

Nov. 8th. No current.

Giving 5 per cent as the amount of failures for the year.

It is now intended, owing to the satisfactory state of the finances of this establishment, that in the year now opening the Observatory will be enabled to increase the field of its usefulness by taking part, as in former years, in work other than the satisfactory of the satisfactory state of the finances of this establishment, that in the year now opening the Observatory will be enabled to increase the field of its usefulness by taking part, as in former years, in work other than that of time-giving.

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

> > E. D. ASHE.

Director.

The Honorable the Minister of Marine and Fisheries, Ottawa.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being the Report of the Kingston Observatory for the Calendar Year ended 31st December, 1880.

Kingston, 1st January, 1881.

Sir,—I have to submit, for the information of the Department, the following

Report of the Kingston Observatory for the year 1880.

In my last report I stated that in consequence of the great inconvenience connected with the former site of the Observatory, on low ground, and in a public park in the midst of the city with trees rapidly growing up all around, it was proposed to apply to the City Council and subscribers to remove the instruments to another observatory building in a higher and other wise more suitable position. The necessary consent having been obtained, the erection of a small edifice for the reception of the equatorial and transits, with a room for the Observer, was contracted for. The amount of the tenders is \$639, and the whole expense connected with the removal will be about \$700.

The building is now nearly completed, wanting only the revolving dome, and the plastering and painting. The whole will be finished and in working order early

in the spring.

I am, Sir,

Your most obedient servant,

JAMES WILLIAMSON,

Director of Kingston Observatory.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

To the Thirteenth Annual Report of the Department of Marine and Fisheries, being the Report on the Time Ball at St. John, New Brunswick, for the Calendar Year ended 31st December, 1880.

St. John, 1st January, 1881.

SIR,—The time-ball at the Anchor Line Warehouse in this port has been dropped every day (Sundays excepted), at precisely one o'clock p.m., affording ship-masters and others interested an excellent opportunity to correct their time.

The time-ball and apparatus for working it, which is to be placed on the tower of the new Customs building, is nearly ready, and will shortly be placed in position.

From its great elevation it will be easily seen from all points of the harbour and

its surroundings.

The pier or which my transit instrument is placed has been built in the Obsertory on top of the Custom House. It has been so solidly constructed that there is not the least vibration, its position is such that there is an uninterrupted view of the meridian both north and south, affording every facility required to test the accuracy of the instrument.

As suggested in my last report, I think that this Observatory can well be used for other scientific purposes besides that for which it was constructed.

I have the honour to be, Sir,

Your obedient servant,

GEO. HUTCHINSON.

Director of the Time-Ball.

To WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Al PENDIX No. 40

To the Thirteenth Annual Report of the Department of Marine and Fisheries being General Summary of Expenditure for the Fiscal Year ended 30th June, 1880.

Vide Report Page		Service.	Amount.	Total	ا،
			\$ cts.	\$	cts
1	Maintenance of I	Lights Above Montreal	65,518 61		
17	do	Between Quebec and Montreal	16,523 88		
23	do	Below Quebec	96,703 87		
43	do	New Brunsw ck	61,252 82		
65	do	New Brunswick Nova Scotia, including Cape Race and Sable	ŕ		
	ł	Island Humane Establishment	116,189 69		
92	do	Prince Edward Island	15,288 17	1	
97	do	British Columbia	15,576 99		
	i			3 87, 053	94
102	Construction of	Lights Above Montreal	13,092 90		
103) do	Manitoba	204 91		
103	do	Between Quebec and Montreal		Ì	
104	do	Below Quebec	5,918 6 1		
105	do	New Brunswick	4,985 53		
106	l do	Nova Scotia			
107	do	Prince Edward Island			
*****	1	Queen's Printer	25 34		
				89,250	
		ICTS 3 No. 400		106,069	
119	Examination of	Masters and Mates	***********	4,253	40
122	Investigations in	to Wrecks and Casualties	********	608	73
129	Marine and Imm	igrant Hospital, Quebec	*********	19,991	. 20
130		s, Sick and Disabled, and Shipwrecked and Dis-		07 040	1
120	Minister's Select	and Civil Service Staff		35,040	05
158 148	Motoorological	Observatory	********	35,083 37,000	30
153	Obgarratory Mo	atreal	********	500	
155	do Ne	w Brunswick	*********	1,026	
154	do Qu	ekec	•••••	2,227	72
156	do To	ronto		4,800	00
121	Registration and	Survey of Canadian Shipping		257	75
157	Removal of obst	ructions from Navigable Rivers	*************************	825	
123	Rewards for savi	ng Life, purchase of Life-boats, etc		2.263	15
120	Steamboat Inspe	ction		11,854	34
124	Water Police. Q	uebec		22,094	48
125	do M	ontreal		13,131	06
179	Fisheries		55,172 86	10,202	
199	Fish-breeding. F	ishways and Oyster beds	29,109 61		
199	Fisheries Protect	tion, Quebec	1,880 08		
		, -		86,162	55
	ł	i			
		Total Expenditure		\$809,492	28

WM. SMITH.

Deputy Minister of Marine and Fisheries.

John Tilton,
Accountant.

SUPPLEMENT No. 1

TO THE

THIRTEENTH ANNUAL REPORT OF THE DEPARTMENT OF MARINE AND FISHERIES
BEING FOR THE FISCAL YEAR ENDED 30TH JUNE, 18 0.

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, CERTAIN 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, 1880.

PRINTED BY ORDER OF PARLIAMENT.



OTTAWA:

PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET. 1881.

SUPPLEMENT No. 1.

The Hon. JAMES C. POPE., M.P.,

Minister of Marine and Fisheries.

SIR,—I have the honour to submit herewith Supplement No. 1 to the Thirteenth Annual Report of the Department of Marine and Fisheries, being for the year 1880 containing the Reports of the Chairmen of the Boards of Steamboat Inspection and Examiners of Masters and Mates, the Toronto, Mentreal, Quebec and Pictou Harbour Commissioners, the Pilotage Authorities, the Harbour and Shipping Masters, certain Port Wardens, and on the Harbour Police of Montreal and Quebec, together with Statement of Wrecks and Casualties and List of Awards 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 of the Minister of Marine and Fisheries.

Department of Marine and Fisheries, Ottawa, 17th May, 1881.

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APPENDIX No. 1.

REPORT OF THE CHAIRMAN OF THE BOARD OF STEAMBOAT INSPECTION FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Board of Steamboat Inspection, Chairman's Office, Toronto, 1st January, 1881.

Honourable J. C. Pope,
Minister of Marine and Fisheries,
Ottawa.

Sir, —I have the honour to submit herewith my annual report for the year ended 31st December, 1880.

The loss of steamer "Wabuno" on the 22nd November last year with all on board, led to the recommendation by me for the appointment of an Inspector of hulls of steam vessels, such person to have supervision over their seaworthiness as well as over their construction.

The loss of two steamers this year under, as far as we can judge, like circumstances and about the same time of the year, the one on the 6th and the other on the 24th November, directs attention again to the importance of such appointment.

The propeller "Zealand," one of the vessels alluded to, was lost somewhere off Long Point, Lake Ontario, on her way to Montreal. The vessel was well built of her class and well appointed; the master, Captain Zealand, was also owner; he was an experienced, careful and good sailor, and, I believe, had a good crew under him. The vessel's carrying capacity was rated at about 17,000 bushels. At the time of her loss she had in the hold about 12,000. As that amount would allow ample space for the grain to shift and thereby make the vessel unmanageable, it may be assumed that that was the direct cause of her foundering. She was inspected in April, when she had a crew of eighteen all told. Whether she had that number on board when she went down I am not informed; all on board were lost.

am not informed; all on board were lost.

The propeller "Simcoe" was lost on the 24th November, off Manitoulin Island, Lake Huron, on her way from Chicago; of a crew of seventeen, twelve were lost. The vessel appears to have been loaded to within about eighteen inches of the main deck, the cause of her loss is reported to be stress of weather, bursting of gangways and flooding of the deck. No doubt, I think, but she was overloaded. The light joiners' work from the main deck up would offer small resistance against a heavy sea, and when fairly exposed to it, would soon give way. This actually occurred, the crew were unable to keep the water out and in a few hours the vessel filled and went down. To send a vessel to sea with so heavy a load, in the worst season of the year, should be

made a criminal offence, particularly with a heavy deck load.

In addition to the danger by heavy gales in the fall of the year, is the severe cold which generally attends them; ice will accumulate on the decks in a few hours several feet thick, and from this cause a vessel may become quite unmanageable, and the crew, from cold, almost helpless either to save themselves or the vessel. On the "Simeoe" the boat's tackle was frozen fast, and but for the daring and presence of mind of the men who risked their lives in the method they adopted to get the boat clear of the vessel when she went down, it is more than probable no one would have been saved from the ship. Finding that the boat could not be launched from the deck of the steamer, the mate and others got into her and waited until the ship went down and the water ro:e about them; where at the critical moment they cut away the fastening and floated over the sunken vessel. The captain with some of the crew tried the same dangerous expedient with another boat but probably failed to cut away in time, or together, from the vessel, and consequently were lost.

11 a - 1

The propeller "City of St. Catherines," on her way from Montreal to Chicago, on the 12th July, when about 40 miles off Fort Gratiot, on Lake Huron, 4½ miles from the American shore, sunk by collision with the American steam barge "George A March 2" or Place last and polydy injured.

A. Marsh;" no lives lost and nobody injured.

The tug "D. E. McFarland" was lost while on her way from Port Maitland to Port Colborne, on the 18th August, with one of the crew. The vessel was last inspected in 1879, to be employed on the Welland Canal; she was not suitable for the lakes and should not have been placed there; she had no small boat on board and was also deficient in life preservers for the safety of her crew, and this violation of law was duly reported to the Department by me on the 29th September last.

A life was also lost by the burning of the tug "George Maythan," on Georgian Bay, about 7 miles from shore; there were three hands on board at the time of the accident, one of whom was lost by jumping overboard. The tug had no small boat

and was not certified to run on the lakes.

The Steamboat Inspection Act, as amended by section 1, 40th Victoria chapter 18, makes the Inspector's certificate good for 12 months. This amendment would appear to conflict with section 7 of the original Act 31 Victoria, chapter 65, which empowers a sy Inspector to inspect a vessel whenever he may deem it necessary. A Bill was before Parliament last Session, but was laid over for want of time to further amend the Act, a clause of which empowers the Inspector to limit the certificate for a period less than 12 months; such provision would enable the Inspector to prevent vessels unfitted for fall navigation from running beyond a period of safety.

From the other divisions in the Dominion you will be pleased to learn that no

accidents to steam vessels are reported.

The practice of engineers of low grade assuming positions in charge as chief engineer for which their certificate does not qualify them (referred to in my last Annual Report) still continues; several cases of this offence have been brought before Board and will be submitted to you for punishment by revocation of their certificates,

also a few cases of drunkenness.

A meeting of the Board, representing Montreal, Sorel, Quebec and St. John, N.B., was convened at Montreal, on the 10th October. Mr. Smith could not be present from illness, and Mr. Samson was called away, also by illness, leaving a bare quorum for business. Closing up the Quebec and Sorel work, the Board was adjourned to Toronto for the 2nd December. Here again Mr. Smith's illness prevented his attendance, and Mr. Burgess, after a few days' stay, was also called away, leaving Messrs. Taylor and Meneilley to assist me.

With reference to altering the law requiring small passenger steamers carrying a 17-foot boat, section 19 of the Act provides that steamboats under fifty tons burthen may carry one good boat of the size and description provided in the manner approved of in each case by the Inspector; to this clause might be added, in view of having uniformity among Inspectors in passing such boats less than 17 feet, the words

"with the consent of the Chairman."

Mr. A. P. Cockburn, M.P., addressed a letter to me from Ottawa on the 9th instant, informing me that as there is a strong feeling existing among steamboat owners and engineers in the Muskoka District, the Board should hold a meeting at Gravenhurst. The Board see no objection to granting the request, and I am directed

to include it among the Board sittings for next year.

The Act further amending the Acts relating to the Inspection of Steamboats introduced and withdrawn by you last Session from Parliament has been reconsidered by the Board and approved, except striking out the words "or mark with" and substituting the words "with the mark or," in place thereof. The object being to accept the trade mark of the manufacturer as identical with the name of the maker of the plates.

The Board is of opinion that the words "within reasonable time," in section 33 of the Act 31st Victoria, chapter 65, should be struck out from that clause. It is assumed by the Board that the Inspector is the proper judge to determine when a vessel should be detained by a Collector of Customs from running; that on an Inspector

reporting a vessel for detention when she may be in a dangerous condition, the Collector assumes a responsibility allowing her to run after being so reported, which it is not the intention of the Act to invest him with, and for which he is not accountable under the Act.

Owing to irregularities in the examinations and promotions to higher grades of engineers, further rules have been framed for the guidance of Inspectors in these examinations, as follows: They will be forwarded for the approval of Council.

Rules for the guidance of Inspectors of Steamboats in the examination of Engineers.

Approved by the Board, Toronto, 9th December, 1880.

1st. The examination to be taken on oath, as prescribed in Form No. 3, with the signature of the applicant appended thereto.

2nd. That the revised Form No. 3 be used in all examinations.

3rd. That the period of service of the candidate, whether with or without a certificate, be entered in Form No. 3, under the head corresponding to that of his certificate, and also under the head corresponding to his services in which he has had experience without a certificate.

4th. Examiners in stating their opinion of the qualifications of the applicant in answer to Clause 39, must express it concisely and as comprehensively as possible that the Board, in the absence of the Examiner, may judge, as to his opinion, of the candidate's intelligence and knowledge in the duties and responsibilities of an engineer.

5th. Examinations, Form No. 3, must be signed by the Examiner, and the date

and place at which the examination is made, duly entered on it.

6th. Examples by the candidate, given in answer to questions in Form No. 3, are to be made by him on separate sheets of paper to be filed and kept by the Examiners, those abbreviated and initialed as correct, or incorrect, as the case may be, are to be transferred to the back of Form No. 3, by the Examiner, in a neat and careful manner.

7th. The examination paper, Form No. 3, may be used in promotion of the candidate from third-class to first-class assistant engineer, by the endorsement of the requirements which qualify him for such promotion on the examination papers, by the Examiner; when there is not room for such endorsement a fresh form must be used. The same examination papers may, in like manner, be used for third and second-class chief engineers, with similar endorsements as to qualifications. In all cases a fresh examination in full is required for first-class chief engineers.

During the year, 1.264 engineers' certificates have been issued, on account of which the sum of \$2,9:6 has been received by me to be placed to the credit of the

Steamboat Inspection Fund.

The following Tables exhibit the Returns under the several heads of all the steamboats in the Dominion, their gross and registered tonnage, their class, and the amount collected on account of their inspection.

TABLE A

Shewing the Gross and Registered Tonnage of Steam Vessels in the Dominion from 1873 to 1880 inclusive, also the increase or decrease of Tonnage, during each year, for the same period.

Year.	Gross Tons.	Registered	Gross Tons.	Registered Tons.	Gross Tons.	Registered Tons.
		Tons.	Increase.	Increase.	Decrease.	Decrease.
1873	92,278	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	4,855
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		
1880	158,862	97,552	3,231	2,866		

Table B exhibits the Gross and Registered Tonnage of all Steamboats in the Dominion, whether inspected or not inspected, during the year 1880, the amount of Dues and Fees collected on account of inspection, also the amount paid for certificates by Engineers, during the same period.

TABLE B.

Division.	Gross Tons.	Registered Tons.	Dues and Fees.
West Ontario, Huron and Superior	52,562 94 18.185.85 26,648.00 15,351.00 16,265.00 18,949.00 8,078.97 2,822.00	34,059·64 10,873·34 15,584·00 9,605 00 9,503 00 10,034·00 5,969·30 1,924·00	\$ cts. 3,268 62 1,214 64 1,699 36 1,200 60 980 64 1,265 88 531 208 01 2,946 00
Totals	158,862.76	97,552.28	13,358 48

Table C exhibits the number of Steamers in the Dominion and classification.

TABLE C.

Division.	Number.	Paddle.	Screw.	Passenger.	Freight.	Tug.
West Ontario, Huron and Superior	214 113 133 54 107 116 40 20	26 37 61 36 52 51 23 8	188 76 72 18 55 65 17	89 68 49 33 27 60 25	30 12 23 1 4	95 33 61 21 79 52 15
Totals	797	294	503	361	77	359

Table D exhibits the number of Steam Vessels added to the Dominion during the year 1880.

TABLE D.

Division.	Number	Gross Tons.	Registered Tons.	Paddle.	Screw.	Passenger.	Freight.	Tug
West Ontario, Huron and Superior Bast Ontario	27 8 3 2 7 11 6 1	2,825·72 231·61 329·00 37·00 1,093·00 635·00 1,173·69 Not m	1,857·05 146·53 200·00 24·00 674·00 393·00 933·83 easured.	2 4 3 3 16	23 8 1 2 3 8 3 1	15 6 1 2 3 3 4 1	1 1 1 1	11 2 2 4 7 1

Table E exhibits the number of Steam Vessels lost, broken up or put out of service in the Dominion during the year 1880.

TABLE E.

Dívision.	Number.	Gross Tons.	Registered Tons.	Paddle.	Screw.	Passenger.	Freight.	Tug.
West Ontario, Huron and Superior Bast Ontario	11 3 7 Nil.	2,682·79 253·40 595·00	1,887·00 181·11 324·00	3 5	11 2	4 3 3	1	6 3
Quebec	4 6 3 2	528.00 254.00 577.99 109.00	288.00 155.00 435.98 47.00	3 3 2 2	1 3 1	2 3 2	1 1 2	2 2
Totals	36	4,999.58	3,318.09	18	18	17	6	13

I am, Sir, Your obedient servant,

SAMUEL RISLEY,
Chairman of the Board of Steamboat Inspection.

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880, their Class and Place of Residence, the Year of their First Examination and Number of Renewals, the Name of Steamer last employ, the Date of Certificate and the amount of Fee.

Fee.	\$ cts.	1 00	1 00	1 00	2 00	2 00	1 00	2 00	2 00	2 00	00 9	1 00	2 00	1 00	1 00	1 00
Date Cate.		1880	1880	1880	1880	1880	1880	1880	1880	1880	1881	1881	1881	1881	1881	1881
of		- -	:		<u> </u>		- -	1	:			- <u>-</u>	- :-	·	:	- <u>:</u>
By whom Examined.		Board	ф ор	ф ф	ор	Westgarth	Board	Taylor	Meneilley	Westgarth	Board	ор	ф ор	ор	ф ф	op
Name of Steamer last employ.		Africa	Manitoba	Nil	Hudson Вау Со	Nellie	La Senecal	Rose	Ben Millwood	Lord Dufferin	Tug Jessie	Mills	N. Queen	Hastings	Alexander	Artic
Place of Residence.		January Kingston	Sarnia	Waubaushene Nil	L. Ft. Garry, Man.	New Westminster	:	Kingston	Collingwood	October Kamloops	Sarnia	Waubaushene	Collingwood	Kingston	St. L. de Gonzague	Morrisburg Artic
Date of Issue.		January	т ор	ф	April	September New	August Lévis	May	June	October	November	:				
Number of Local Examination.					i	~		10	-	-	i	-	:	:	•	i
Date of First Local Examination.		į	Ī	1875		1880	į	1873	1880	1880		1875	:	:		
Unmber of Renewals		_	67	ന	ن	•	11	•	•		:	4	-	01	15	*
Number of Board Examination.		-	67	4			69		7		-	4	4	83	83	~1
Date of First Board Examination.		1879	1877	1874	1876	Ī	1868	:	1880	Nil.	1831	1874	1877	1870	1865	1876
Class of Assistant Engineer.		~~	~~			•	-	:	62		8			-	:	~
Class of Engineer.		:	:	က		ij	i	ن	ŗ	نہ		ń	က		~	
Name of Engineer.		Allen, Charles	Avis, Joseph	Anderson, D. B	Abell, Edmund R	Adair, John	Auger, Edward	Aird, George H	Adam, Thomas A	Ascough, Chris	Abernethy, Thos	Anderson, Dugald B	Aston, J. W	Arnold, John	Alexander, James	Allison, Wm. J
N St		Alleı	Avis	7 And	Abel	Ada	Aug	Aird	Ada	Ascc	Aber	And	Asto	Arne	Alex	Allis

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ed.	Fee.	& cts.	1 00	7 00	2 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	7 00	1 00	1 00	1 00	2 00	1 00
Continue	Date 77. of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1879
mber, 1880.—	By whom Examined.		Board	ор	ор	ор	ф	ор	ор	ор	ор	ор	ор	ор	ф ор	ор	ор	ор	op
Examinations and Renewals during the Year ended 31st December, 1880.—Continued.	Name of Steamer last employ.		Eureka	Traveller	Neaudo	Мауйоwег	NiI	Quebec	Humber	Challenger	Activity	Captain	Beta	Gipsy	do ob	Sarah H	Nil	Nellie	Jennie
ing the Year e	Place of Residence.		Morrisburg	Garden Island	Montreal	Ottawa	St. Hugues	Sorel	St. Nicholas	St. Sauveur	Village Lauzon	St. John	Halifaz	Bathurst, N.B	Pictou, N.S	Fredericton, N.B	Annapolis, N.S	December, New Westminster. Nellie.	\Lachine
wals du	Date of Issue.						October	ор	ф ор	op	op							December.	January
Rene	Number of Local Examination.				:	:		:					:	1					-
and	Date of first Local Examination.						:							1876			1871	1880	1876
tions	Number of Renewals.		က	11	10	8	21	6	21	21	12	9	ĸ	4		12	6		10
mina	Number of Board Examination.		ო	-	4		н	4	-	7	8	67	-		8	7	-		77
Exa	Date of First Board Examination.		1876	1870	1868	1861	1860	1869	1860	1860	1868	1874	1876	1877	1869	1869	1872	1881	1863
EERS	Class of Assistant Engineer.			61	:				:	i	_	-	•	-	i	-	-	-	
NGIN	Olass of Engineer.			:	-		63	7	2	e		-	က		es				
Steamboat Engineers'	Name of Engineer.		Armstrong, John	Allen, James	Arpin, Louis, jun	Armstrong, William	OArpin, Louis	Areand, John	Aubain, Michel	Audette Pierre	Auger, Edouard	Allan, Bradford	Alexander, N. S	Andrews, James	Anderson, John	Atkinson, Wm	Atkins, Wm	Adair, John	Bellefeuille, Eli

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1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1879
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ор /	Ivanhoe	Sultan	Lake Erie	Carillon	N ₁ L	Steinhoff	Nil	Shannon	Manitoba	Tecumseh	Faron	ф ф	Golden Eye	Louise	Bob Hackett	Gertrude	C. Anderson	Зжап	Eva	Alma Munro	Chicora	Nil	Nil	Hadji
ор	Montreal	New Castle	Collingwood	Ottawa	February. Montreal	Ohatham	Galt	Kingston	April Wallaceburg	Sarnia	St. Anne	Howick	December Peterboro	Sorel	Windsor	Victoria, B. C	August Beauharnois	St. John	Brock ville	May London	Niagara	Windsor	Kingston	September New York
т ор	ор	op	т ор	ф ор	ebruary	ор	· op	March	pril	ор	ф	ф	ecember.	April Sorel	ф	May	ugust	July St. John	ор	fay	June	ор	October	eptember
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<u> </u>	-	:		i	:		8				87	Ī	-	Ass't.			-			i	2	•	i	_
3		m	~	m	63	m	į	ຕ	•	Ŀ	Ī	67		نا	က	i	ļ	•	Ŀ	က		63	63	
Bellefeuille, Eli	Beaudreau, Gilbert	Bell, John	Blondin, Moses	Brown, Wm	Brown, Archibald	Bartliff, Henry	Banks, Erastus	Burns, Henry	Bassett, Frank	Black, David A	Brunette, Zotique	Elack, Wm. A	Boswell, H. G	Boucher, Paul	Bruce, K. T	Brown, James	Bellefeuille, Joachim.	Bassett, Charles	Black, Lawrence	Bell, John E	Brown, Jas., No. 1	Beane, George	Barron, George	Burns, Walter

cts. 8 8 Fee. 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued. 60 20 40 20 10 Date Certifi-cate. 1880 880 879 1881 880 1880 880 880 1880 1880 881 188 1881 881 1881 1881 881 ö By whom Examined. Board qo ф ф ф ф qo ф qo မှ ခ့ ф qo qo ф Collingwood...... | Asia...... Mayflower Name of Steamer last employ. Sensation..... Robert Stoker..... Tug McCrea..... Норе.... St. Lawrence...... Buron..... Wm. F. McCray G. Western.... Progress..... G. Western.... Nil Water Witch.. Michigan. Lévis Quebec.. Point Edward March Lévis..... Wallaceburg...... September New York September St. Antoine Windsor Residence. Wallaceburg. Place of Windsor September Paisley. ခု qo qo Мау..... November Date of Issue. ф ф q qo မှ ф qo q g ф : Examination. Number of Local 1876 1877 Examination. 1874 1880 1870 1877 1877 1872 1871 1874 Date of first Local Lps'd. Number of Renewals 12 qo ф Examination. m Number of Board 1875 Examination. 1877 1877 1872 1878 1878 1877 1874 1872 1873 1879 6981 878 1874 1881 1881 Date of First Board Engineer. Olass of Assistant : Class of Engineer. Ė 函 Brackenridge, John Burns, Walter ... Boufort, Xavier Barras, Cleophas...... Barron, Odillon Blanchette, Dezire..... Burroughs, Charles Boyd, David A Belson, Wm Bice, James Bouchard, Pierre..... Bruce, K. T..... Name of Engineer. Brown, George...... Barras, Cleophas ... Belanger, Joseph. Bell, Duncan Bradshaw. Wm..

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Tecumseh	A cadia	Rainy Lake	Secord	Nil	Victory	Nil.	Sampson	ор	Tender	Clinton	ор	Globe Office	Lincoln	Golden Eye	ор	Clinton	Princess Louise	M. Arthur	Saxon	E. Bonar	Armenia	Empress	Ontario	Nildesperance
Detroit	Bamilton	Dundas	Welland	Chippewa	Sorel	St. Croix	Lauzon	Lévis	Collingwood	St. Catharines	ор	Toronto	Yorkville	Peterboro'	ф ор	St. Catharines	Dundee	Garden Island	Picton	Belleville	Kingston	Garden Island	Lindsay	Montreal
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Black, David	Brown, James H	Boyle, Daniel J	Bampton, James	Bogardus, James O	Brulé, Henry	Boisvert, Edward	Bolduc, Honore	Bolduc, Pierre	Bute, George James	Black, R. J	Bracken, James	HBanks, J. D	Banks, Erastus	Boswell, Walter F	Boswell, H. G	Bennet, Alfred	Bampton, Wm	Boyd, George	Brisbin, Samuel	Bonar, John	Barlow, Thomas	Boyd, Isaac	Burk, Francis	Beaudreau, Gilbert

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued.

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Date of Certifi- eate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Examined.	,	Board	ор	ор	ор	ф ор	ф	ор	ор	ор	ор	ор	ор	ф ор	ф ор	ор	ор	qo op
Name of Steamer last employ.		N.L	St. Helen	Cherry	Boston	Maskinongé	Star	Canada.	Quebec	Louise		St. James	Tom Doyle	Bourgeois	Chambly	Hadji	Progress	Гаке
Place of Residence.		Kigand	Montreal	Valleyfield	Carillon	Sorel	ф ор	ф ор	ор	ор	Georgeville	Sorel	ор	St. Angelle	Sorel	New York	St. Antoine	\Levis
Date of Issue.		:				October	ор	т ор	op	т ор	т ор	do	ор	op	т ор	op	т ор	do
Number of Local Examination.							•		:	-	:			i	:	63	-	7
Date of First Local Examination,		:	i	1870	:					1880			:	:	:	1876	1880	1874
Number of Renewals		:	15	<u>.</u>	7	m	4	12	9		10	m	13	~ `	20		:	89
Number of Board Examination.		.7	7	4	ო	ო	63	_	က	63	-	es		n	-	m	က	~
Date of First Board Examination.	0001	0881	1865	1871	1878	1876	1876	6981	1873	1877	1876	1876	1867	1878	1876	1877	1877	1877
Olass of Assistant Engineer.			i			i	67		i	87	67	-	:	-	က	:		
Olass of Engineer.	-		က	က	i	ຕ	i		п	į		i				22		
Name of Engineer.		brunette, Cyprien	Bérard, Pierre	Bothwell, George	Bédard, Edouard	Béfort, Francis	Boucher, Alexis	Belaire, Francis	Beaucage, Ellie	Boucher, Paul.	Bigelow, E. T. T	Beaudoin, Napoléon	Beaudette, Noël	Bourgois, Charles	Berthiaume, Xavier	Burns, Walter	Barron, Odillon	Bélanger, Joseph

Bélanger, Eugène	<i>)</i>	1 / 18	1876	3	m	/	······	т ор	St. Rocque, Que Napoleon III	Napoleon III	đo		1881	1 00
Blanchette, Ludger	·::	1880	08	_	'	_ <u>:</u> :	-	т ор	Lotbinière	St. Louis	đo		1881	1 00
Blair, Joseph		1874			20	1875		do	Lévis	Flora	qo		1881	1 00
Bouchard, Pierre E.		1876			- <u>:</u> -	- ‡	- -	op	ор	Mayflower	qo		1881	1 00
Bergeron, Honoré		1873			-	1872	_	op	St. Appolinaire Victor	Victor	qo		1881	1 00
Beaudoin, Elzéar		1880	9		-:		-	do	Village Lauzon	Norwegian	qo		1881	1 00
Boufort, Xavier		1872			<u>-</u>	1870		op	Lévis	P. Murphy	qo	· · · · · · · · · · · · · · · · · · ·	1881	1 00
Bélanger, Philias		1878			.: .	_ <u>:</u> _	:	op	St. Rocque, Que Druid	Druid	do		1881	1 00
Rlanchette, Dézire		1874		<u>е</u>	 81	<u>:</u>		do	Quebec	St. Lawrence	đo		1881	1 00
Bergeron, Louis		1878			~:	_ <u>;</u> 		٠٠٠ op	St. Croix	Sensation	do	•	1881	1 00
Bolduc, J. B		1869		 	- <u>:</u> - 21	<u>:</u>	-	т ор	Village Lauzon Margaret M	Margaret M	đo		1881	1 00
Beaudoin, Luc		1875			<u>:</u> œ	:		op	··· op	ф ор	do		1881	2 00
Bélanger, Germain	- 	1874			 	:		op	St. Rocque, Que Dolphin	Dolphin	do		1881	1 00
Brennan, Owen		1880			_ : :	-‡		op	op	Ida	ф		1881	1 00
Barras, Cleophas		1878	 go		4	1877		op	Village Bienville C. H. Carter	C. H. Carter	đo	***************************************	1881	1 00
Batte, George		1876			<u>:</u> _		_ <u>:</u>	:	P. E. Island	H. Aitkin	do		1881	1 %
Boon, Jared		1878	 		~~-	_ <u>:</u>	_ <u>:</u>		Fredericton	Sarah H	ф		1881	1 00
Bowner, Robert		1878					_ <u>:</u> _		op	New Dominion	ф		1881	1 00
Burroughs, George		1873	 .g		<u></u>	• !	:		Halifax	Goliah	do		1881	1 00
Boutiller, Thomas		1875					:		Sydney, C.B	Neptune	ф		1881	1 00
Boutiller, Fred		1876	- 92		<u></u> م				Halifax	Beta	ф		1881	1 00
Bramer, J. Van		1876	92	~~~	4	1877	Ω	ecemper.	December. Burrard Inlet	Leonora	ор		1881	2 00
Blee, William 3		1878	- 82		. <u>:</u> 	- 📙	-	op	Victoria, B.C	Emma	qo		1881	1 00
Crawford, George 3	3	1876	9	- 		1880	;		Pictou, N.S	Albert	Smith		0881	2 00
Chambers, Alfred	-	1872		~~	: 9	:		nuary	January Goderich	Ada Carter	Board	Board	1880	1 00

Date of Certifi-	cate.	\$ cts.	1879 5 00	1880 1 00	1880 1 00	1880 1 00	1880 5 00	1880 1 00	1880 5.00	1880 5 00	1880 5 00	1880 5 00	1880 1 00	1880 5 00	1880 5 00	1880 1 00	1880 5 00
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By whom	anima a	Board	Westgarth	Board	ф	ф ф	Burgess	Board	Risley	Béfort	ф	Burgess	Board	Smith	Board	op	Taylor
Name of Steamer	last employ.	Ouebec	fferin	Scud	W. Extension	Sovereign	Newport	Nil	City of Winnipeg.	John Young	Verner	Julia	Port Perry	New City	McArthur	Vanderbilt	L. Nicholson
Place of	Residence.	St Catharines	Kamloops	St. John, N.B	ор	Sarnia	Newport	St. Catharines	Collingwood	Sorel	ор	Ottawa	Lindsay	St. John, N.B	Kingston	Lindsay	Rockport
Date	Issue.	Iannarv	do	፥	ор	т ор	April	ф	ф	т	Мау	July	September		August	July	Мау
	Number o Tanganin	-	· -			Н	7	:	က	-	7		•	1			
ret Local ation.	Pate of frings	1877	1879			1871	1880	:	1878	1880	1880	1880		1880			1880
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brased to stion.	Number o	-	1	64	-	es		4	1	:	23	1	*4		1	7	
	d to stad nimaxA .	1878	2	1870	1877	1872		1872	1879	_ ;	1860	1874	1875	_	1878	1860	
tnatsiesA	to seriO enignA	-	•		8				-	Ass't.	نہ	က			ო		
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E 0	rame of bug need.	Monage Manage	Crawford Wm	Cox, C. E	Campbell, Peter	Gameron, James	Caswell, Henry	Calcott, Wm	Chalk, Michael	Cartier, Philippe	Charbonneau, Alfred	Cousineau, S	Crandell, Franklin	Clark, John	Coffard, Thomas	Crandell, George	Cook, Richard

Chisold, Joseph		1 /	1 0281	C4	Lps'd 1875	1875	64	July	Sarnia	mvi1	Board	1880	1 5 00 1
Cattellier, Pierre	3	-	1862	8	do	1880	-	September St. Gervais	St. Gervais	Margaret	Samson	1880	2 00
Caron, Cyprien		~	1875	- 27	op	0881	-	ф	Lévis.	S. Petrel	ф ор	1880	5 00
Carbonneau, Phidime.	23	:	1860	81	18			May	ор	Rupert	Board,	1879	1 00
Carbonneau, Phidime.	. 81		1860	63	19	:		тор	ор	ор	ф	1880	1 00
Côté, Alphonse			1872	က	9			ф	ор	Helen	ф ор	1880	1 00
Conture, Louis		63	1876	63	 m			do	ор	Fog Alarm	ф	1880	1 00
Catara, Emanuel		63	1877				Ī	op	Quebec	Nil	ор	1879	1 00
Catara, Emanuel		64	1877	7	61			ф	ор	Nil	ор	1880	1 00
Ohristison, James	نــ - ن		- :		<u> </u>	1880		December. Oliphant	Oliphant	Jane Miller	ор	1880	2 00
Chambers, Alfred	:	-	1873	64	9	1872		November Allanburg	Allanburg	Tug M. R. King	ор	1880	1 00
Clement, Napoleon		81	1876	64	က	1875		October	October Sorel	Europe	ф	1880	1 00
C'Obater, Thos	ന	Ī	1875	m	4	1874		November Windsor		G. Western	ор	1881	2 00
Conbrough, James	က	宮	1867		12	- -		op	Rutherford	Coral	ор	1881	1 00
Cook, Wm			1875	က	4	1876	-	op	Port Colborne	Salty Jack	ф	1881	1 00
Cockburn, John	63	표	1875	63	4	1871	21	op	Gordon, P.O	Transfer	ор	1881	1 00
Cameron, James	က		1872	ന	۲-	1871		op	Collingwood	Sovereign	ор	1881	1 00
Chambers, Alfred		-	1873	73	2	1872		- op	Allanburg	M. R. King	ф	1881	1 00
Curran, Robert		69	1880		-	1879	-	December. Kingston		Indian	ф	1881	1 00
Cosford, J. C	က		1872	4	9	1871	87	do	Dresden	Kincardine	ф	1881	1 00
Coulson, George W		_	1879	83		1879		do	Barrie	Tug Belle	ор	1881	1 00
Charland, Nerre	က		1873	4	ō	1874		do	Drummondville	Nil.	ор	1881	90 1
Clarke John		-	1879	64	-	1879		op op	Sherbrooke	Enterprise	ор	1881	1 00
Clement, Charles		-	1871		10		Ī	op op	(Sorel	Cultivator	ф ор	1881	1 00
Cunningham, Wm. H.	m		1869	4	.	Ť		do	Hamilton	Shickluna	ф	1881	1 00 [

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 30th December, 1880 -Continued.

Name of Engineer.	Olass of Engineer.	Class of Assistant Engineer.	Date of first Board Examination,	Vumber 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 Certifi- cate.	Fee.
					İ	İ							& cts
Charland, Eugéne			1876	63	4	-	1	December.	December, St. Jean, D	Nil	Board	1881	1 00
Charland, Adjutor		က	1880			Ì		do	ф ф	Nil	do	1881	1 00
Chaffey, George	က		1874	4	~ - '-	i	Ì		Toronto	Sunbeam	ф ор	1881	2 00
Crossland, James	67		1873	4	10	1872			Collingwood	N. Belle	ор	1881	1 00
Chapman, John		-	1871	6	- <u>·</u>	i			Dunnville	W. J. Aikins	ор	1881	1 8
Cook, Hermin	:	63	1881	<u></u> -	i		Ì		Port Colborne	G. H. Parker	ф	1881	6 00
Cherry, Elbert	m		1865		16	1872	-		Dunnville	Wm. Hall	qo	1881	1 00
Carter, D. W		-	1878	87	<u>.</u>	- <u>;</u>			Port Colborne	Hector	ф ор	1881	00 1
Coons, Alfred		-	1872	7	∞	1871	— <u>-</u>		Port Dalhousie	Sam. Perry	ф	1881	1 00
Camp, Robert		-	1576	89	4				Port Robinson	Ferrying	ор	1881	1 00
Carr, Patrick J	<u>ස</u>	-	1878	က		<u> </u>		•	Port Dalhousie	Albion	ф	1881	2 00
Christison, James	က		1881		i	1880	-		Red Bay.	Jane Miller	що ор	1881	2 00
Chestnut, James	63		1872	10	ю	1875	H		St. Catharines	Scotia	ф ор	1881	1 00
Cartmill, Nathaniel		87	1881		·	:			Kingston	Shop	ф ф	1881	2 00
Casselman, Henry		73	1879						Morrisburgh	Glide,	do	1881	2 00
Crandell, Franklin	60	:	1874	m	ıo.		- <u>†</u>		Lindsay	Vanderbilt	do	1881	1 00
Observe Chambre		-	1048	•					Don't Don't	Western Witch	(*************************************	1001	2

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	Cariboo	Bonita	Nil	Elevator No	Newport	Nil	ор	Lady of the Lake	C. G. Bridges	John Young	Europe	Nil	Dredge	Quebec	Laval	Sorel	Baialle	Lake St. John	Druid	Resolute	St. Louis	Boston	op	James
op /	Montreal	Ottawa	Montreal	ор	Newport	Montreal	op	October Newport	Sorel	ор	ор	ф	ф	ор	Trois Rivières	Sorel	ор	ор	Quebec	Lévis	St. J'n Deschaillons St. Louis	Lévis	ор	St. AppollinaireJames
						;		October	т ор	т ор	т ор	ф ор	ор	өр	щ ор	щ ор	т ор	т ор	ф ор	do	ф ор	ф ор	т ор	do
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Crandell, George	Charland, Pierre	Corry, James	Cayen, Jean	Castonguay, Ernest	Caswell, Henry	Cameron, William	Campbell, Duncan	Caswell, A. F	Champagne, Joseph	Cartier, Philippe	Clement, Napoleon	Contois, John	Casy, Charles	Chapdelaine, François	Charland, Herminigit.	Chapdelaine, François	Cherrier, George	Charbonneau, Alfred.	Carroll, Stephen	Costin, Frederick	Charland, Victor	Côté, Germain	Côtê, Ilderbert	Côté, Augustin
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Date of Certifi- cate.	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Bxamined.	p	;															
	Board	ę G	မ <u>ှ</u>	မွ် 	ор ——	မှ	မှ 	မှ 	တ္	- မွ 	- မွ 	- မို 	op	op —	op —	qo	-
Name of Steamer last employ.	Bienvenu	Nil	Fog Alarm	Express	Stormy Petrel	C. Holliwell	L. A. Senecal	Contest	Druid	Rocket	C. H. Curtis	Nil	ор	Earl Dufferin	Nil	L. Glasier,	St. Lawrence
Place of Residence.	October Portneuf	ор	Lévis	Village Bienville	Lévis	Village Lauzon	Lé ris	ф ор	Village Bienville Druid	op	St. Petrouille	Quebec	St. Gerrais	Wolfville, N.S	Pictou, N.S	St. John	P. R. Island
Date of Issue.	October	ф	do	ф ор	ф	do	op	ф ор	ор	op	ф	op	т ор	1			
Number of Local Examination.						-									Ī		
Date of first Local Examination.		Ť	i		<u></u>	_;-	- †							1877	-:-		
No. of Renewals.	21	ო	က	9		-	20	က	10	•	9	m	81	~ ~	Lps'd.	11	и
Number of Board Examination.	г	67	က	4	7	- 7	2			8	61	~ -	81	4	- <u></u> -		
Date of first Board Examination.	1860	1877	1876	1872	1873	1879	1869	1878	1875	1872	1874	1877	1852	1876	1876	1870	1876
Olass of Assistant Engineer.	Ī	23	F-1	Ī	¢3	-	-	က		-	Н	89		:		-	
Class of Engineer.	63		i i	ლ ლ		ह्यं	~~	i	1			i	<u></u> -	~ .	- -	.7	
Name of Engineer.	Cayen, Joseph	Cayen, Philippe	Couture, Louis	Côté, Alphonse	Coaron, Cyprien	Cloutier, Joseph	Carbonneau, Phidime.	Côté, Adolphe	Couillard, Alphonse	Cayen, Joseph	Cayez, Napoleon	Catara, Emanuel	Cattellier, Pierre	Caldwell, E. F	Campbell, J. W	Carrick, John	Clark. Joseph

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Delta	Princess of Wales.	Hercules	New City	Whisper	Winnie	Empress	Nil	P. E. Island M. A. Starr	Lady Dufferin	Glendra	Gertrude	Muskegon	Nil	Dominion	City of Kingston	Victoria	Valetta	Champlain	La Belle	Prowett Beyer	Lis	Conqueror	Mittie Grew	Zealand
Halifax	P. E. Island	St. John, N.B	••• ор	Halifax	P. E. Island	St. John, N.B	ор	P. E. Island	December. Kamloops Lady Dufferin	New Westminster Glandra	ф ор	January Kingston	Chatham	St. Catharines	Kingston	New Westminster., Victoria	St. John, N.B Valetta	Sorel	Chatham	Toronto	September New Westminster. Iris	St. Croix	Parry Sound	St. Catharines
			•	;	•	•	:		December.	do	щ ор	January	т ор	op	т ор	ф 	т ор	April	ф	Маў	September	June	Nay	ф
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Cornack, John	Cummings, John	Cummings, J. C.	Clark, James	Chetwind, Robert	Cummings, Charles	Cox, Charles E	Clawsen, James	Campbell, Peter	Crawford, William	Cash, James	Clark, James A	Dickson, John H	Dick, George	Dawson, Joseph	Davis, James	Donnalley, Jno., No. 3	Diyadale, James S	Ducap, Ulric	Dunn, Henry	Donaldson, F. W	Doty, Edwin William.	Desrocher, Stanislas.	Davy. John	Dewey, Thomas
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December, 1830—Continued.	By whom Examined.		Meneilley	Board	ор	ф	ор	do	ф	ф	ор	ор	do	ф	ф	do ob	ф ор	do
ınded 31st Dece	Name of Steamer last employ.		City of St. Catha- Meneilley.	Margaret	Transit	Huron	Lake Michigan	Emerald	Hattie Vinton	Nil	Tug Dufferin	Emerald	Mary Anna	Persia	Sauble Queen	California	Prowett Beyer	Golden Bye
Examinations and Renewals during the Year ended 31st	Place of Residence.		July St. Catharines	Lévis	Windsor	Point Edwards	St Catharines	Collingwood	December. Silver Islet	Toronto	Welland	Owen Sound	Wiarton	St. Catharines	Sauble Mills	St. Catharines	Toronto	Peterboro'
vals dur	Date of Issue.		July	September Lévis	November	т ор	т ор	т ор	December.	ф	т ор							
lenev	Number of Local Examination.		7				:	-	-	П	က	-			-	က	-	
ınd I	Date of First Local Examination.		1871	:				1876	1871	1878	1873	1880			1877	181	1879	1876
ions	No. of Renewals.		m	Lps'd.	10		10	<u>ო</u>	2	~	10		12	9	67	က	-	80
ninat	Number of Board Examination.		4	2	e	es	n	4	63	_	7	2		n	67	73	-	73
Exa	Date of First Board Examination.		1874	1860	1874	1878	1860	1875	1875	1830	1875	1880	1869	1873	1878	1874	1880	1872
EERS,	Ulass of Assistant		٦		-		:		-		1	1	П	-	1	•	23	
NGIN	Class of Engineer.		က	63		Ei,	63	က		ຕ		į				23	•	
STEAMBOAT ENGINEERS	Name of Engineer.	(Davidson, John	Dupère, Demers	Duval, Francis	Downey, John, No. 2.	Doran, John	Dee, John	Downey, John, No. 1	Dillon, Hugh W	Dowd, John R.	Dunoon, Daniel	Dunham, Isaac	Doran, William	Davidson, Andrew C.	Davidson, John	Donaldson, F. W	Dion, Leon

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Sessional Papers (No. 11.)

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Shop	Maud	Frank Perew	op	Annie Gilbert	Chieftain	Eleanor	Muskegon	Algerian	Olive	C. W. Dennis	Spray	Beauharnois	Vermont,	Champlain	Cultivateur	Montreal	Caltivateur	John	Plover	Mattawan	Nil	Rivière-du-Loup	Chambly	Francis
Kingston	ор	ор	ор	Belleville	Garden Island	Kingston	ф	Garden Island	Ottawa	Montreal	Ottawa	Chateauguay	•	ф	ор	ор	ор	ор	Lachine	Sorel	ор	т ор	ор	ф
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1861	1870	1879	1876	1867	1374	1881	1871	1880	1880	1867	1871	1878	1864	1881	1866	1865	1881	1881	1876	1875	1874	1876	1850	1874
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Davis, James	Derry, William	Dawson, Henry	Dodds, John	Dowser, Charles	Donnelly, John, sen	Dinsmore, Charles	Dickson, John H	Donnelly, John, jun	Dennison, John	Daoust, Jean B	Demers, Joseph	CDemeull, Edward	Ducap, Mathias	Ducap, Ulric	Denis, Edouard	Dunn, Peter	Denis, Ed., jun	Davignon, Joseph	Desjardins, Hermidas	Dupré, Hyacinthe	Doucette, Basil	Denis, François	Dumas, Laurent	Dumas, Alexis

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lber, 1880, &c.—Continued.	By whom Examined.		Board	qo	ор	do	ф	ор	ф	ф ор	op op		00	ф ор	ор	ор	ор	ф ор	ф	ď.	2
led 31st December,	Name of Steamer last employ.		Lucie	Montreal	Magnet	Davis	Nil	Lake	Aurelia	Montmagny	Bearing		Adm'l D. D. Forter	Conqueror	Royal	Almanda	Miramichi	Margaret			red Olluca
Examinations and Renewals during the Year ended	Place of Residence.		Vicolette	Sorel	op	ф ф	qo	70	St. Appolinaire	, évia		00	Ptaux-Trembles	Ste. Croix	ор	Lévis	e Lauzon		D E Island		'St. John
ls durin	Date of Issue.		October	do	.:. go	do	op op	op Op	2 -5	6	}	•	op	op	ф	op	•		•		•••••
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l Rer	Date of First Local Kramination.											Ī	-		•	-		-		101	
is and	Umber of Renewals.					7,	· ·	·- ·	 }		9	<u>.</u>		—: ო			,-	1 3		rbs.a.	qo
atior	Sumber of Board Examination.				, ,		1 -		* -	٠	.4	~~	~	-	-			9 0		·0	
xamir	Date of First Board Examination.	,	1881	4001	0001	1867	1646	9 0	1909	1991	1860	1875	1881	1878	1881	1880	100	5 6	1860	1872	1873
	Jass of Assistant Engineer.	,	c	3 6	9 6	4		9	,	מ	•	-	3	ಣ	m	~	۰ ،	<i>-</i>			73
INEE	lass of Engineer.			:	:		מי		.9	:	۲۹	:		:				-	64	67	
STEAMBOAT ENGINEERS'	Name of Engineer.		E	Duval, Evarice	Duna, Kobert	Ducap, Narveul	Ducharme, Alexis	Dubort, Norbert	Desrocher, Louis	Daighe, Onésime	Dion, Michel	Dupère, Joseph	Desaulnier, Arsène	Degrocher, Stanislas	Detrocher, Zéphirin	de la company de	Dutresne, Etlenne	Dupré, Alfred	Dupère, Demas	Doyle, P	Donovan, Daniel

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Sessional Papers (No. 11.)

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Minnesota	Victoria	. Iris	City of St. Catha-	Lake Ontario	Venezia	E. Windsor	Utopia	Nil	Nettleworth	Nil	Nil	Fairy	Nil	M. A. Laughlin	W. J. Aikins	Lake Ontario	Victor	Beta	Tiger	Cheyenne	Princess Louise	Lake Erie	Argyle
October Winnipeg	December. New Westminster. Victoria	op op	January Toronto	Kingston	Montreal Venezia	Wallaceburg E. Windsor.	St. George, N.B Utopia	Port Stanley	Montreal	Lévis	ф	•	Lévis	Port Colborne	Dunnwille	Garden Island Lake Ontario	Brockville	Halifax	St. John	Winnipeg	December. Victoria, B.C	January Wallaceburg Lake Erie	St. Catharines Argyle
October	December.	ф ор	January	op	qo q	op Op	April	May	op	ф ор	ф	December. Keene	op		•	•				***************************************	December.	January	op
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Daly, Wm	Donnelly, John, No. 3	Doty, Edwin Wm	Ellis, James H	Elliot, Thos	Ecroyd, Geo. I	Edmond, Wm	Elliotte, G. E	Ellison, John, jun	Ecroyd, John R	Etchemburg, Charles	Etchemburg, Charles.		Etchemburg, Charles.	Eldridge, Jesse	Edgar, James	Elliot, Thomas	Evans, Charles L	Ewing, John	Evans, Wm. B	Emerson, Samuel	Elliot, Wm. Alfred	Foster, James H	Fletcher, W. S

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.-Continued.

ress of Engineer	laga of Assistant Engineer.	ate of first Board Examination.	umber of Board Examination.	umber of Renewals	ate of first Local Examination.	umber of Local Examination.	Date of Issue.	Place of Residence.	Name of Steamer last employ.	By whom Examined.	Date of Certifi- cate.	Fee.
- <u>i</u> -	o T	a	N	N	a	N						es cts.
		1869	4	00			January	January Port Dalhousie Lady Alice Board	Lady Alice	Board	1880	
	•	1860	+ -	20		_	April	Montreal	Веачег	, ор	1880	1 80
٠		3	•		1879	67	op	Victoria, B.C	Gertrude	Westgarth	1880	2 00
		1876	-	*		:	ф ор	ф ор	Enterprise	Board	1880	1 00
		1861		19			ф ор	Windsor	Prince Alfred	ор	1880	1 00
	67	1879		-			ф	ф ор	q0	ор	1880	1 00
		1870	. 64	6			ф	Lindsay	Anglo Saxon	ф ор	1880	1 00
		1879	- 61	•	1878	67	August	August Victoria, B.C	Beaver	Westgarth	1880	5 00
	A 88' t.			:	1880		May	Newborough	Argyle	Burgess	1880	2 00
	67	1877		n	1879	7	June	Cassiar	Lady of the Lake. Board	Board	1880	1 00
Ľ.	67	1877		ო	1879	61	ф	ор	т ор	ор	1880	2 00
		1874	m	4	i		ор	Lévis	Vindolina	ф	1880	1 00
		1875		4	1876	63	May	Welland	Five Brothers	ор	1880	1 00
ے	67	1875	64	4	1876	n	August	ф ор	C. F. Wadsworth. Meneilley	Meneilley	1380	2 00
		1860	 	19		:	May	Lévis	M. Stevenson	Board	1880	1 00
		1860		50			do	ор	Polino	ф	1879	1 00
Treed, benjamin							Soutember	Rupert	Rupert	do	1880	1 5 00

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(NiI	Nil	Kate Pilgrim	Lake Michigan	Chicora	Southern Belle	Alma Munro	Alexandra	Mary Ellen	Argyle	Nil	Marie	Francis	John	F. W. W	John Young	Cultivateur	Rupert	Adml. D. D. Porter	Laurentides	Rambler	Powerful	St. Lawrence	Arctic	Мауйомег
	December Marlbank	Collingwood	St. Catharines	Toronto	ф	Napanee	Kingston	Lindsay	Newborough	October Fall River	Sorel	Deschambault	Sorel	NDame Desange. F. W. W	Sorel	Champlain	Lévis	ор	Village Bienville Laurentides.	NDame, Buckland Rambler	St. Nicholas	Lévis	ф ор	Pictou, N.S
October Fall River	December	op	ор						-	October	т ор	op	op	op	op	т ор	op	op	op	op	go	op	op	
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	1879	1877	-			:			1880	i	1869		•		1878									
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1869	1880	1876	1878	1879	1881	1881	1870	1870	1881	1869	1871	1875	1860	1876	1877	1876	1878	1874	1869	1870	1860	1860	1866	1871
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3	-			_		:	•		:	: :								-	 ო		61	:	61	
Frechette, Wm	Ferguson, Wm	Feightner, Joseph	Free, Henry	Fraser, Charles	Fenwick, Fred	Fox, Ed. W	Flanagan, Patrick	Fillion, Paul	Fahey, Patrick J	Frechette, Wm	Fontinguay, John	Fournier, Joseph	Fortin, Antoine	Frenette, Alphonse	Fortin, Antoine	Fugere, Narcisse	Filteau, Emanuel	Filteau, George	Flamand, Michel	Fortier, Michel	Frechette, Michel	Filteau, Joseph	Frechette, Louis	Fernie, Wm

STEAMBOAT ENGINEERS'	INEE	r1	Examinations	natio	ns an	id Re	new	als durir	ng the Year en	ded 31st Decer	and Renewals during the Year ended 31st December, 1880, &c.—Continued	-Conti	nued.	
Name of Engineer.	Classa 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 Bramined.	Date of Vertifi- cate.	Fee.	
													\$ cts.	
Fraser, Thos	<u></u>	_	1879	63	-		:		New Glasgow	Dredge	Board	1881	1 00	
Fraser, Cameron		~7	1880	87	:		-		ор	Nil	ор	1881	1 00	
Fox, Alsey L	ო		1881	-	:	1879	69	December.	New Westminster	W. Slope	ор	1881.	2 00	
Fee, David F		•	1876		70			do	Victoria, B.C	W. G. Hunt	ф ор	1881	1 00	
Foster, Robert		7	1879	67	:	1878	8	ор	ор	Alexandra	ф	1881	1 00	
Goodyer, Charles	٠ <u>.</u>	•				1880	-	September	September Sutton	Sutton Belle	Meneilley	1880	2 00	
Gallivan, John	m		1867		13			January Kingston.	Kingston	W. Lily	Board	1880	1 00	
Gaskin, Thos		7	1877	က	~	:	i	op	ор	Active	ф	1880	1 00	
Goyette, Charles		,,	1869	63	10	<u> </u>		т ор	ор	Scotia	ф ор	1880	1 00	
Gougeon, Xavier	•	ಣ	1878	-	67			щ ор	ф ор	Nil	ф ор	1880	1 00	
Gorrel, Charles	က		1876	က	64			March	Brockville	Falcon	ф	1880	1 00	
Grooms, Asael		-	1875	63	4	1874	63	April	Wallaceburg	Ireland	фор	1880	1 00	
Gelston, Wm	r.					1830		ф	Meaford	Rescue	Meneilley	1880	2 00	
Gendron, Francis	63		1860		20	- <u>+</u>	;	ф	Sorel	Laprairie	Board	1880	1 60	
Gowen, John W	ო		1873	-	-		•	ф	Windsor	Норе	do	1880	1 00	
Ginac, Alfred	က	Ì	1860		20	<u> </u>		ф	Sorel	New York	ор	1880	00 1	
Garueau, Xavier	~		1860		20			June	June St. Antoine Activity	Activity	op	1880	1 00	_

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1880	1880	1880	1880	1880	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
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op	qo	ф	qo	ф	ф	ф	qo	do	do	ф	ф	qo	do	do	ф	qo	qo	do	do	qo	qo	qo	ģ	do .
	Progress	Heroules	L. N. G	Nil.	F. B. Maxwell	Rescue	Mocking Bird	Maggie	Active	Nile	Chieftain	Elevator	Pierrepont	R. B. Hayes	Ivy	Spray	Monitor	Corsican	Longueuil	Nil	C. W. Gonts	Berthier	Nil	Champlain
/Montreal	Ste Croix	September St. Nicholas	Sher brooke	Sorel	Cornwall	Meaford	Dunnville	Port Colborne	Kingston	Newborough	Garlen Island	Kingston	ор	Waubaushene	Hudson	Portneuf	Aylmer	. Beauharnois	Longueuil	October Sorel	- do	ф	ор	ор
July	May	September	do .	October																October		- op	ф	de
						-		:	-		:					!		:		7	:		-	-
1		<u> </u>	1875	i	1878	1880	i	<u>;</u>	1880	·			_		_		_		:	1872			1876	1872
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186)	1879	1860	1876	1875	1866	1881	1872	1872	1877	1881	1881	1865	1868	1881	1860	1878	1864	1871	1860	1873	1879	1867	1876	1873
	n									<u>ო</u>	61			<u>ო</u>	_								64	
3		· ·		_		 :		·	:	:	:	:	61		<u>:</u> ო									
Glandin, A			Galigeur, Pierre	Girard, Edward	Gillespie, Oliver	Gelston. Wm	Green, Freeman	Good, Thos	Gaskip, Thos	Grant, Michael	Gray, Thomas	tegallivan, James	Gillie, James	Gucher. Stephen.	Grav. Wm	Germain. Solomon	Goulet, Ambrose	Graham, Edward	Grimard. Aimé	Girard. Olivier	Gendron. Wm. Chas	Gendron, Jean Bte	Godin, Pierre	Guilbault, Joseph

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Date of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Examined.		Board	ор	ор	ф	ор	ф	ор	ор	ор	т ор	ф ф	ф ор	ф	ор	ор	ф ф	do ob
Name of Steamer last employ.		C. J. Brydges	Maskinongé	Wountain Maid	Trois Rivières	Dredge	Laprairie	Nil	Nil	Lake	Dauntless	Contest	Polino	Activity	Honkey Doré	William	Nil	L. N. G
Name of Residence.		October Sorel	ор	ор	ор	ор	ф	Batiscan	Сhevega	St. Michel	St. Nicholas	Ste. Croix	ор	St. Antione	Village Bienville	Quebec	Village Lauzon	Sherbrooke
Date of Issue.		October	ф	ф	ф ор	do	do	qo	do	op	op	ф	do	ф	т ор	ф ор	op	op
Number of Local Examination.		-	:	83				-									-	-4
Date of First Local Examination.		1869		1877	1871			1874	-	- ;							1875	1875
Number of Renewals.		0	20	4	9	23	21	6	က		21		67	21		21	2	מ
Vamber of Board Examination.		4	81	67	<i>т</i>	က	-	က	က	-	H	67	-		~		23	
Date of First Board Examination.		1869	1860	1877	1873	1877	1861	1879	1875	1881	1860	1880	1879	1860	1881	1860	1873	1876
Olasa of Assistant Engineer.				:				-		m		67	m		7			
Olass of Engineer.		67	~~	m	- п	က	64				ന			~~	E	က		
Name of Engineer.		Gendron, Charles	Ginac, Alfred	Guilbault, Oliver	Godin, Léandre	GGraman, James	Gendron, Francis	Ging as, Zosièmme	Girard, Edouard	Goupil, Louis	Gagnou, Narcisse	Garneau, Omer	Garneau, Renauld	Garneau, Xavier	Guilmette, Auguste	Gagnon, Louis	Guilbault, Theophile	

Gaity, Andrews	······	63	1874	1	*				Halifax	Ferry	do	1881	1 00 1
Green, James		-	1877	-	4				ор	R. Burns	ор	1881	1 00
Gossip, John G		-	1870	-	11				ор	A. C. Whitney	ф ор	1881	7 00
Griggs, Charles	- <u>:</u> ~		1876	က	m m				ф	G. Shattuck	ор	1881	1 00
Gill, John A			6981	-	12				Fredericton, N.B Ferry	Ferry	ф ф	1881	1 00
Gill, F. H			6981		12	:			т ор	op	ор	1881	8
Gill, Justus			6981		12		:		op	ор	ор	1881	00 1
Gray, Wm. G	: e		1875	က	4				St. John, N.B	Derigo	ф ор	1881	1 00
Galbraith, Wm			1877		4		:		Victoria, B.C	Веатег	ф ор	1831	80 1
Grant, Gordon F	<u>:</u> _		1879	7	1	1877	73	December.	ор	Douglass	ор	1881	3 00
Gill, John C		61	1881	-				op	B. Inlet	Etta White	ор	1881	200
Herwion, J L	: ن	- <u>-</u> -		-		1880	1		Pictou, N.S	Dredge	Smith	1830	2 00
Bawley, George C	 					1879	-	January	January Victoria, B.C	Alexandra	Westgarth	1879	2 00
Hyatt, John	:	m	1878	-	87	 : :	:	op	Kingston	Saxon	Board	1880	1 00
Haddow, George	_: 	· -) 1869 1	64	10			op	St. John, N.B	St. John	ор	1880	1 00
Henry, Michael			1875	63	4	1874	-	op	St. Catharines	Nil	ор	1880	1 00
Hosker, D. M	•	e	1878	-	~ 7			··· op	Stratford	Nil	ор	1880	1 00
Hazlell, Wm		- <u>-</u>	1874	4	က	i		op	Kingston	Europe	ор	1880	1 00
Holkins, Wm	· ·		1866		4.	•		ор	Lindsay	Bobcaygeon	ор	1880	1 00
Hepburn, Robert	•		1874	7	z,			- op	Battersea	Sarah Doty	ор	1880	1 00
Hardy, Cyrus	<u>_</u>	<u> </u>				1878	က	т ор	Victoria, B.C	Pilot	Westgarth	1881	2 00
Higgans, James		63	1874	61	2	1880	-	ч ор	Pembroke	Florence	Burgess	1880	2 00
Hay, John	- : e		1867	_	13			op	Toronto	Nil	Board	1880	1 00
Harling, Wm	<u>.</u> 	•	:			1880	7	op	Walkerville	Nil	Risley	1880	2 00
Hart, Francis	- -	62	1878		-	1817	4	May	Collingwood	Sandford Davis	ф	1880	2 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880—Continued.

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Date of Certifi- cate.		1880	1880	1880	1880	1880	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1831
By whom Examined.		Meneilley	Board	Westgarth	Board	Meneilley	Board	ор	ор	ор	ф	ф ор	ф	ф ор	ор	ф ор	ор	do
Name of Steamer last employ.		City of Winnipeg. Meneilley	Nil	Grappler	Isaac Butts	W. Belle	Ada Allen	Hiawatha	ор ,	Nil	Nıl	Flamborough	Manitoulia	Cherokee	Wm. Ross	City of O. Sound	Wiarton Belle	C. M. Carter
Place of Residence.		September Toronto	Pictou	Victoria, B.C	Kiagston	Owen Sound	vember Walkerville	Lambton	Sarnia	Wallaceburg	Hamilton	Ste. Croix	Collingwood	ф	ор	Owen Sound	ф ор	Allanburgh
Date of Issue.		September	ф	May	July	May	N. vember	op	op		December.	ор						
Number of Local Examination.		4			-	7	— <u>-</u> -	7			7			m	-	:	67	
Date of First Local Examination.		1874	:	1880	-	1878	1880	1878		:	1877		<u>-</u> -	1874	1880	•	1878	
Number of Renewals.		က	က		15	-	:		135	9	m	00		₹		2		
Number of Board Examination.		က	23			-		- 27	-	67	4	က	_	4	-	13	7	8
Date of First Board Examination.		1875	1876	i	1865	6281	1881	1877	1866	1874	1875	1874	1881	1874	1881	1870	1879	1878
Class of Assistant Engineer.		i.	63				-		•	-	•	-	67	:	ო		छं	-
Class of Engineer.		_د		ï	e.	ij		E	က		<u></u> -		-	m	į	67	cra	
Name of Engineer.		Hall, J. O	Helferty, Wm	Huney, Joseph	Hardy, Joseph	Heverley, Silas	Harling, Wm	Hohn, Henry	Hunter, Walter	Hayward, A. S	Hawkins, Luke	Hamel, Alfred	Holman, John Hy	Horgan, Thos	Hemming, Fred. T	Hugo, T. W	Heverley, Silas	Huffa, John

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Hill, J. E	7	Бij	1875	4	æ	1874	4		Toron to	City of Winnipeg	do		1881	2 00
Harrington, John	က	i	1877	4		1879	-		do	Jane Miller	do		1881	1 00
Howard, John			1868		13				Henderson	Magnet	do		1881	1 08
Hymes, Horatio	•	က	1881	-					Wilton Lennox	A. H. Baldwin	do		1881	5 00
Hugo, Fred		က	1881	H	•				Kingston	Pearl	do		1881	5 00
Helferty, Wm			1876	က	m		:	•	Picton	Saxon	do		1881	5 8
Henderson, George	-		1870	m	<u>в</u>				Kingston	H. F. Bronson	do		1881	1 8
Harkins, Alexander		က	1881	-				•	Ottawa	Kitty Friel	do		1881	5 00
Hiscock, Edgar C	С	•	1876	က	က		:		Kingston	Prince Edward	do		1881	1 00
Hepburn, Robt	•		1874	63	ဖ		:		Battersea	Allan Gilmour	do		1881	1 00
Hickey, James	دا	•	1862	-	2				Garden Island	Traveller	do	•••••••••••••••••••••••••••••••••••••••	1881	1 00
Hopkins, Wm			1866		15				Lindsay	Beaubocage	qo		1881	1 00
Hodgins, George	:	8	1875	63	70	:			Hudson	Peerless	ф		1881	1 00
Hamelin, Hercule	•	-	1875	m	4				Champlain	J. B. A	đo		1881	1 00
Harrison, John	7	Ī	1877	က	7				Pembroke	Alliance	qo		1881	1 00
Hébert, Paul	 평	-	1874	67	9	:			Montreal	Elevator No. 11	do		1881	1 00
Hodgins, Joseph	-	 ლ	1873	67	2				Como	Prince of Wales	do		1881	1 00
Hébert, Elie	•	87	1878	81	61			October	October Contrecour	Норе	qo		1881	1 00
Hamel, Urbain	<u>.</u>	:	1875	4	ო		•	т ор	Lotbinière	River	qo		1881	1 00
Hicks, Henry	•		1874	က	ю		:	op	Valcartier	Druid	qo		1881	1 00
Heighton, Peter	. ش	:	1878	63	-	•	•		New York	Bahama	do	:	1831	5 00
Hamilton, Gavin	- <u>-</u> -		1874	4	4		•		Quebac	Miramichi	qo		1881	1 00
Haince, Ferdinand	•		1876	m	က	:	:		Lévis.	Champion No. 1,	ф		1881	1 60
Hamel, Constant	E.		1878	67	~		•		Lotbinière	Powerful	do			2 00

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880 - Continued.

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Date of Gertifi-		1881	1881	1881	1881	1881	1881	1881	1879	1880	1880	1880	1880	1880	1880	1880	1880	1880
Ву whom Врятіпед.		Board	ф оф	ор	ф ор	ор	ор	ор	ф ор	ф ор	т. ор	ор	ор	ф ор	ф	ф ор	Taylor	Board
Name of Steamer last employ,		Helen	Teaser	Empress	Minnesota	Lady Eller	Etta White	Woodside	Alexander	Lake Breeze	Maganettawan	Alm	Chaffey	Elfin	R. B. Hayes	Nil	Tolford.	W. S. Robb
Place of Residence.		Levis	Chatham, N.B	St. John	Winnipeg	ор	B. Inlet.	Victoria, B.C	ор	Windsor	Collingwood	Peterboro'	Brockville	Kingston	Waubaushene	:	Brockville	Toronto
Date of Issue.							December	do op		January	op	op	op	do	April	September Mill Point	July	May
Number of Local Examination.		:	:					67	-			:			က		-	7
Date of First Local Examination.				_				1878	1879		:				1875	!	1880	1871
Number of Renewals		Ξ	6	:			rc			æ	67	6	20	ъ Б	က	12		9
Number of Board Examination.		C1	-	~	-	-		67		ന	67	81		7	61		:	8
Date of First Board Examination.		1869	1872	1881	1881	1881	1876	1880	:	1870	1877	1870	1860	1870	1876	1865	:	1873
Class of Assistant Engineer.			-	61	Б	es	i	:	Assist	:	2	7	:	i	-		:	
Class of Engineer.		ю			m		m	·~	ı,	က		i	67	က	:	61	ı	
Name of Engineer.		Houde, Eusèbe	Haviland, Thos	Humphrey, Wm. H	Hutchins, M. A	CHoyer, Marcus	Hickey, Patrick	Hare, Michael	Inman, John T	Jones, Felix	Jacques, I. W	Jackson, Wm	Jento, Timothy	Jamieson, Isaac		Jeffers, L. W	Judson, W. H	Johnson, I. D

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do /	qo	do	do	qo	qo	op	qo	op	do do	qo	ф	qo	op -	go	qo	op -	qo	qo	go	do	West	ор .	Taylor	Meneilley
McArthur	(Lily	Maganettawan	Francis Smith	D. R. VanAllan	Garden Island McArthur	Saxon	Chaffey	ф ф	Military College	Golden Eye.	Chaudiére	Princess	Aurora	Норе	Fairy	N.B Florenceville	ор	Zealand	Minnie Hall	Florence	Wm. Slope	Woodside	Clara Louise	Manitoba
Kingston	Hudson Bay Co	Collingwood	Owen Sound	ор	Garden Island	Belleville	Brockville	do	Kingston	Peterboro' Golden Bye.	Quio	Deschambault Princess	Montreal	Sorel	St. Antoine	Woodstock, N.B	Halifax	January Kingston	Midland	Hamilton	Victoria, B.C	ф ор	Jones' Falls	Baby's Point
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1870	1879	1877	1866	1878	1875	1869	1860	1878	1864	1873	1876	1877	1876	1869	1876	1876	1881	1873	1878	1873	- <u>÷</u>	i	1879	<u> </u>
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Jamieson, Isaac	Johnson, Wm.	Jacques, John W	Johnston, James	Jamieson, Samuel	Jones, Wm	Johnson, George	Jento, Timothy	Jento, Napoleon T	Johnston, Wm	Jacobs, Silas H	Jean-Marie, Peter	SJulian Ludger	Joly, Joseph	Jean-Marie, Xavier	Jacques, Simeon	Johnston, I	Judge, Charles	Kennedy, Wm	Kelly, John	Kenny, Robert	Kennedy, John	Kennedy, John	Kenney, Patrick	Kelly, Wm
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STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880-Continued.

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Fee.	\$ cts.	2 00	1 00	5 00	1 00	1 00	1 00	1 00	5 00	0 1			0 7	1 00	1 00	2 00	1 00	1 00
Date of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Examined.		Board	do	ор	ор	ф	ф ор	ф	ф ор	ф ор	ф ор	ф ор	ор	ф ф	do	do	do	ор
Name of Steamer last employ.		Manitoba	Beatrice	St. Magnus	Carriella	California	Golden City	Cuba	ф	Emily May	op	John A.Macdonald	Flight	Prussia	Mystic	Robert Anglin	May Queen	[sabel
Place of Residence.		November Baby's Point	Point Edward	Hamilton	***************************************	Hamilton	Toronto	ор	ор	Orillia	do	Garden Island	Kingston	Jones' Falls	Kingston	Jones' Falls	St. John	Victoria, B.C
Date of Lasue.		November	op	do ob	December. Orillia					***************************************	:		***************************************					******
Number of Local Examination.		-	-	3	87		က				67			-				က
Date of First Local Examination.		1880	1817	1811	1877		1873	:	į	i	1872			1879			:	1877
No. of Renewals.			က	70	-	61	10	61	14	21	9	14	7	-	2	:	າວ	-
Number of Board Examination.		-	1	4	2	87	2	က	63	-	m	61	က	67	4	က	က	-
Date of First Board Examination.		1881	1878	1873	1879	1878	1875	1877	1866	1860	1873	1866	1872	1879	1873	1879	1874	1880
Class of Assistant Engineer.		e	-	स्रं	i	67	-	-	时		ы		-	7		-	:	
Class of Engineer.		•	:	7	က			:	67	7	က	es			က		64	7
Name of Engineer.		Kelly, Wm	Kerrigan, Dennis	Kenny, Robert	Kinnon, John	Kirkpatrick, David	Kennedy, John	Kirkpatrick, Neil	Kennedy, Wm.	Kerr, A., sen	Kerr, A., jun	Kelly, Wm	Kilcauley, Patrick	Kenny, John J	Kennedy, Wm	Kenney, Patrick	Kennedy, Wm., No. 2.	Kennedy, David, No. 2

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1880	1880	1830	1380	1880	1880	1883	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1879	1880	1879	1880	1880	1880	1889
Smith	Board	ор	ф ор	ор	Westgarth	Board	ор	ор	ор	ор	ор	op	ор	ф ор	Taylor	ор	Board	ф	ф ор	do	ор	ор	ф
N.B M. Noble S	C. J. Brydges B	Dominion	Lake Ontario	National	Grappler	Маttаwan В	Valleyfield	City Owen Sound	Mary Eshol	W, C. Francis	Lady Dufferin	St. Antoine	Meteor	Nymph	Min.len T	R. Hendrick	C. W. Jones B	op	Progress	ор	Rover	J. R. Souter	enoding:
Richibucto, N.B	Montreal	St. Catharines	London	Montreal	Victoria, B.C	Dorval	Montreal	Owen Sound	Rossmore	Montreal	New Westminster. Lady Dufferin.	St. Antoine	Montreal	St. Andrews	Minden	froquois	Lévis	ор	ор	ф ор	ор	September Lauzon	St. George of Windsor
Nil	January Montreal	т ор	т ор	ф	April	ор	ф	чо ор	May	ф	August	June	July	ор	September Minden	July	May	do	ф	ф	ор	September	ф ср
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1880					1879				1878		1877				1880	1830						1873	
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	1875	1865	1878	1860		1867	1875	1877	1865	1865	1877	1860	1860	1877		•	1867	1867	1860	1860	1870	1874	1860
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Leggette, William J	Lemay, Alphonse	Linter, Charles	Loyd, Robert	Larivière, Pierre	Lawlor, Denis	Leitch, Alexauder	Lefebvre, Joseph	Linter, C. H. W	Loso, Francis	Lefaivre, François	Lee, Fred. A	C.Lemai, Mathias	Leslie, James W	Ladouceur, Gaspard	Liman, James	Logan, William A	:	ор	Lacrois, Urbain	op	Lauglois, Olivier	Lavallier, F., jun	Lavallier, F., sen

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued.

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Date of Certifi.		1880	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Examined.		Board	ор	ор	ор	ф	оф	ор	ор	ор	ор	ор	ф	ор	ф ор	ор	ор
10r		_ <u></u>	-			-	 -								•••		
Name of Steamor last employ.		ot- Ruby	Jerome		Nil	Nil	City of O. Sound.	F. H. Nasmith.	Five Brothers	C. J. G. Munro.	Dominion	N. Queen	Bella Taylor	R. J. Sperry	Pierrepont	Nymph	City of St. John
Place of Residence.		Edward, I inière	Wallaceburg		Winnipeg	St. Croix	St. Catharines	Welland	Port Robinson	Welland	St. Catharines	Collingwood	Stony Harbour	Dundee	Kingston	St. Andrews	. Montreal
Date of Issue.		September St.	Nevember.	November	December. Winnipeg.	cp	- 34 -					<u> </u>				- 22-	
Number of Local Examination.			i	-	П	:		-						н			
Date of First Local Examination.			i	1877	1877	:		1871		9281	:	1872		1877			1879
Number of Renewals.	-	Lps'd.		е	ಣ	21		∞	1-	מי	16	22	•	9	-	4	12
Number of Board Examination.		?1	-	7	-	-	4	ო	က	4	-	4	- 	61		~	2
Date of First Board Examination.		1876	1881	1878	1878	1860	1877	1871	1872	1873	1865	1873	1881	1874	1881	1877	1863
Olass of Assistant Engineer.		63	က					-	-		:		т т		es	-	
Class of Engineer.		:	i	es -	က	63	r:	i		m	63	83	:	-	:	:	2
Name of Bugineer.		Lord, Elois	Lee, John.	Littleburg, John A	Lewis, Edwin H	Lahaie, Francis	Linter, Chas. H. W	Lawrence, Peter	Leaney, Walter	Leitch, Thomas	Linter, Chas	Lockerbie, Win	Lewis, Wm	Lacerte, Roderick	Leslie, Wm	Ladouceur, Gaspard	Leclaire, Wm

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1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1 81	1881	1881	1881
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Welchman	Nipigon	Celtic	Avies	Сошо	Canada	Three Rivers	Bourgois	Albert	Nil	Vermont	Marine Shop	John Pratt	Star	New York	Georgiana	Arthur	Nil	Loutarde	Canada	Elèvateur	Eugenie	Mersey	Conqueror	Rupert
Gatineau Point Welchman	Lachine	Valley feld	Montreal	Rigand	Osrillon	Sorel	Three Rivers	Sorel	ф	do	ор	do	ор	Champlain	Sorel	Trois Kivières Arthur	ор	ф	Sorel	ф ор	St. Geo. of Windsor Eugenie.	Village Lauzon Mersey	St. Antoine,	do
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			- <u>-</u>	:		•					•	-	:	61	:		•			:	•	i	:	
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1875 /	1876	1875	1876	1871	1870	1860	1870	1860	1860	1881	1881	1873	1881	1875	1875	1860	1860	1864	1880	1878	1860	1873	1870	1867
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Loyer, Theodore	Leclaire, Joseph	Leclaire, Jean B	Lefebre, Joseph			Laffèche, Angustin	Lamerville, Archil	Lacombe, Louis	Lusier, Raphael	Lacombe, Louis, Jr	Leclerc, Paul	CLamontagne, Narcisse	Lafrenière, Barnabé	Lamothe, Napoléon	Lacombe, Alfred	Lacroix, Louis	Lacroix, Pierre	Lamothe, Olivier	Ladébauche, Emile	Lavallée, Alfred	Lavallier, Francis	Lapointe, Eusèbe	Lamothe, Nazire	Lamotte, Ubald

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December, 1880—Continued.	By whom Bxamined.		Board															
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31st	Name of Steamer last employ.		St. Croix	Champion	Progress	Contest	Shannon	Hercules	Brothers	Royal	Saguenay	Clyde	Etoile	Margaret M	St. Antoine	Lady Dufferin	Norwegian	Ruby
ing the Year ending	Place of Residence.		St. Antoine	St. Michel	Lévis	Village Bienville Contest	Lévis	Lotbinière	St. Nicholas	Cape St. Ignace,	St. Croix	Village ¡Lauzon	St. Anne	St. Croix	St. Antoine	Quebec	Village Lauzon	St. Edward of Lot- binière
Renewals during	Date of Issue.								***************************************					:				
enev	Number of Local Examination.			•					:	:						-	:	
	Da'e of First Local Examination.													:		1874		1880
ons s	No, of Renewals.		21		21	20	о О	=	19	67	œ	21	21	:	31	4	11	m
inati	Number of Board Examination.			63		67	e	-	е	4	m	-				64		-
Examinations and	Date of First Board Examination.		1869	1880	1860	1860	1870	1870	1860	1876	1871	1860	1860	1881	1860	1876	1870	1876
eers'	Olass of Assistant Engineer.			7			н		į		~		:	-		61		87
NGIN	Class of Engineer.		63	æ	67	81		က		m		61	63	ы	m		-	
STEAMBOAT ENGINEED	Name of Engineer.		Lafleur, Xavier	Latulippe, Michel	Lacroix, Urbain	Lacroix, Wilbrod	& Langlois, Olivier	Lard, Rémi	Lamothe, Louis	Lard, Joseph Gideon	Lamothe, Octave	Lapointe, Joseph	Lacroix, Treffé.,	Laverdure, Elzéar	Lemai, Mathias	Lessard, Augustin	Lapointe, Michel	Lard, Elois

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1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1879	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
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J. R. Souter	Lake	Prince Edward	Xyphias	Maggie Noble	Cheyenne	Alpha	Leonora	Isabel	Ads	Alexander	O. Belle	Nil	\Ben Millward	William	A. Neff	Princess Louise	Bob Hackett	Nil	Bermuda	Tug, Assist.	America	Dolphin	Princess	St. Jean Baptiste Board
Village Bienville J. R. Souter	Lévis	ф ор	Fredericton	Riehibucto	Winnipeg	ф ор	Burrard Inlet Leonora .	Victoria, B.C Isabel	New Westminster. Ada	Victoria, B.C Alexander	January Kingston	Windsor Nil	Collingwood	Montreal	P. A. Landing	Victoria, B.C	February. Windsor	ор	New York, U.S	Fenelon Falls.	Toronto	Montreal	Sorel	Aldershot
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Lavallier, François	Lavadière, François	Lemieux, Joseph	Lyons, J. A	Leggette, J. W	L'Heureux, Arthur	Lawson, Peter	Lockhart, James K	Lawson, Henry C	Lee, Fred A	Melville, John	Mundell, John	SMunro, Daniel	Millward, Ben	Mallet, Hyacinth	Morrison, Donald, No. 1	Murray, John	Mills, Charles	Munro, Alex	Millar, John B	Moraney, Ed	Malcomson, S. S.	Martineau, Jos., jun	Marchand, Hilaire	Marriotte, Thos

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Date of Certifi- cate.	1880		1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
By whom Examined.	Board	- 7	op	Westgarth	ор	Board	Béfort	Board	ф ор	ф	Taylor	do	Taylor.	Board	Taylor	Board	Meneilley	Board
Name of Steamer last employ.	2. Kd891		Niagara	Isabel	Skidgate	Gatineau	Plover	Bonita	Carlyle		Deserould	Кове	Peerless	Mary Ann		Chicora	Wm. Ross	Nil
Place of Residence.	Anri] Kin <i>o</i> ston			Victoria, B.C	do	St. Appolinaire Gatineau.	Champlain	Ottawa	Morton	Mill Point	ф ор	Battersea	Perth	Kingston	S. L. G	Glencoe,	Collingwood	Faron Co.
Date of Issue.	Anril		September Cobourg	August	May	June	August	July	September Morton.	July	ф	ф	May	op	ф	do	June	do
Number of Local Examination.			:	83	2		84	-		•	۲.	~	4		-		က	
Date of First Local Examination.			į	1879	1879	:	1880	1878		-	1880	1880	1817		1880		1878	
Number of Renewals	9	2	Lps'd.			18	7	4	Lps'd.	63	~	Ī	-	16	~ ·	15	-	10
Number of Board Examination.	-	•			-	63	63	64	-	64	61	-	_	-	က	-	-	c
Date of First Board Examination.	1070		1868	Ī	1880	1860	1878	1875	1872	1877	1877	1880		1864	1870	1866	1879	6401
Class of Assistant Engineer.			-	•	77		64	7	က	64	~	က	•	:	-	:	က	
Class of Engineer.	ď	,	•	i	Ľ.	64	Ľ.	i	:		نہ	ij	بن ن		i	-	'n	
Name of Engineer.	Mumber Chos No.	mulphy, those, to. 1	Munson, A. E	Melville, John	Mason, Robert	OMoreau, Guillaume	Marchand, Hilaire	Munson, Wm. H	Muchmore, Laughlin.	Morden, C. H	Morden, C. H	Moore, John M. W	Moffat, Thos	Marchand, Ed	Maxwell, James	Munro, George	Millward, Benjamin	Mallam Chanles

Matheson, Roderick	/ L.		····-			6181	~	July	Saugeon	Новея	Meneilley	1880	90 9
Morrison, Wm. H	L.	es	1875	H		1880	7	ор	Port Dalhousie	Dominion	ф ор	1880	2 00
Mills, Thos	Ä	63	1874	7	20	1873	64	August Toronto.		Luella	ор	1880	90
Montgomery, L	es	i	1874	4	ന			Мау	Quebec	Rocket	Board	1880	1 80
Moreau, Louis		-	1870	က	∞	•		ор	Lévis	Rambler	ф ор	1880	1 00
Morin, Pierre	ო	:	1860	-	21	:		ф ор	ф	Clyde	ор	1880	1 00
Moreau, Robert	ŗ				i	1880	-	October	October Seath Cassiar		Westgarth	1880	2 00
Miller, Sopha	:	-	1871	က		;		October	October Dunnville	Mary	Board	1880	1 00
Merkley, Jacob		က	1879	-	H			November	November Morrisburg Arctic	Arctic	ор	1880	1 00
Muir, Archibald	្ន	:	i		:	1878	C4	т ор	Esquimalt	Lillie	Westgarth	1880	5 00
Murphy, Wm.	:	က	1881	н	:	:		ф	Wallaceburg Manitoba	i	Board	1881	2 00
Morrison, Hugh	က	•	1870	61	10	i		т ор	ор	S. S. Noyes	ор	1881	1 00
PMiller, Sopha	:	m	1871	က	∞			ор	Dunnville	Bob Hackett	ор	1881	1 00
Morrison, T. Wm		87	1878	~	67			ор	Windsor	Hope	ор	1881	2 00
Mills, Chas	<u> </u>		1881	7		1880	-			•	do	1881	2 00
Mann, James	i	-	1880	Н	Н			November	November Port Edward	International	ф ор	1881	1 00
Mayhew, Angus	i	က	1881	~	i			ор	Wallaceburg	Harry Soule	ф ор	1881	2 00
Mellon, George	i	-	1876	က	က		,	op	Port Edward	Huron	ф ор	1881	2 00
Marriott, Thos	က		1870	က	6	1870		do do	Aldershot, P.Q	St. Jean Baptiste	ф ор	1881	2 00
Mitchell, James	:	_	1880			1879	-	ор	Hamilton	Dennis Bowan	ф ор	1881	1 00
Mepham, Wm	က		1875	4	n	1877	-	т ор	Collingwood	Magdelena,	ор	1881	1 00
May, John			1864	67	16		Ī	••• ор	Sarnia.	Huron	ф ор	1881	1 00
Meenish, Angus	i	~	1870	-	=			December.	December Allan's Corners	St. John	op	1881	1 66
Moreau, Joseph		က	1878	,-i				op	River Ouelle	Gertie	ф ор	1831	1 00
Murphy, Thos	:	-	1873	က	7	1875	r.>	do	Newboro'	Geneva	ор	1881	1 00 T

STEAMBOAT ENGINEERS'Examinations and Renewals during the Year ended 31st December, 1880-Continued.

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Date of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom Examined.		Board	do	ф	ор	ор	ф ор	ор	ф ор	ф	ор	ф ф	ор	qo	ф	ф ор	qo op	do
Name of Steamer last employ.		S. S. Edsall	Minnie Walker	Mary	Hector	Addie Carter	Dominion	Waterworks	Wenonah	Nil	Armenia	Luella	Shop	City of Belleville	Chieftain	Carlisle	Edmund	Pilorim
Place of Residence.		Elgin, Co. Leeds.	Collingwood	Port Colborne	Kingston	Welland	Port Dalhousie	St. Catharines	Orillia	Fargo, Cass Co. N.S	Toronto	ф	Lindsay	Kingston	Garden Island	Kingston		Will Point
Date of Issue.		:		:														
Number of Local Examination.			-		•		-	-	67			7		:	:	:	-	
Date of First Local Examination.		-	1880			1878	1880	1873	1873		•	1873		:	:		1874	1878
Number of Renewals		က		12	87	61	-	80	2	9	19	ဖ		9	73	91	က	4
Number of Board Examination.		4	က	П	က	-	67	25	8	က	63	64	7	က	4	69	4	٥
Date of First Board Examination.		1875	1879	1869	1877	1879	1876	1869	1874	1873	1861	1874	1881	1873	1878	1870	1875	1078
Olass of Assistant Engineer.			H	:	-	н	7		Ei.	-	i	C4	61		•		•	
Class of Engineer.		es		က	:		•	~~	n		63			m	m		m	٥
Name of Engineer.	the second of the second secon	Murphy, Martin	Morrow, James	Mitchell, George	Marshall, Robert	Main, Thos		Mills, J. A	Marshall, Thos	Mallory, Chas	Malcomson, S. S	Mills, Thos	Mowry, Aldu	Mundell, John	Mullin, John	Mathews, Jacob	Mulholland, James	7

2 18876 2 11 16 1887 1 16 1887 1 16 1887 1 16 1887 1 16 1887 1 16 1887 1 16 1887 1 16 1887 1 1887 <	Maxwell, James	60	E.	0281	4	8	0881	, ,		/St. Louis de Gon-	Varuna	do		00 9	=
1 1877 3 2 1880 1 Mill Point Descroto do	W. W		63	1880	23	•	1880	-			Козв	į	1881	2 00	
1 1870 3 2 1880 1 Mill Point Ool. Strickland do Col. Strickland do	n	67	-	1835	-	91					Watertown	i		7 00	
1 1870 3 9	H		-	1877	က	61	1880	-			Deseronto	ор	1881	2 00	
1 1872 2 1 18 18 18 18 18 18	Adolphe		-	1870	က	6					Col. Strickland	ф ор		1 00	
1 1862 2 18	ichael	67		1861	-	18	:				Elevator	ор	1881	1 00	•
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E. 1 1876 3 6	mase			1875	က	4	:	•		:	Elevator No. 8	ч ор		1 0	00
E. 1 1876 3 6 Champlain do No. 3 do sr. 2 1 1865 1 16 Montreal do No. 9 do sr. 2 1865 1 14 Montreal Manitoba do s. 1873 1 14 Montreal Bohemian do s. 1880 1 1 1 4 do Bohemian do do s. 1887 1 14 do Bohemian do s. 1887 1 14 do	eorge	87		1867	63	13				ф		:		1 60	•
sr. 2 1865 1 16	Joseph	<u>е</u>	H	1876	က	9				Champlain	No. 3.	ф ор	1881	1 00	_
2 1865 1 16	mes	ឆ្នាំ		1880	П	H	•	:	:	Montreal	No.	ф ор		1 90	_
3 1867 1 14	, Joseph, sr.	61		1865	1	16	:			ор	Portneuf		1881	1 00	_
3 1883 1 18 1873 1 Montreal Bohemian Glevator No. 7 do	Joseph	က		1981	-	14	:			Champlain	Manitoba	ор	1881	1 00	
3 1887 1 14	erre		-	1873	п	8	1873	H		Montreal	Elevator No. 7		1881	1 00	•
3 1867 1 14 do	illiam	•	က	1880	-						Bohemian	ф ор	1881	1 00	•
3 1866 1 15 October Sorel	Tyacinth	es		1867	-	71				ор	St. George		1881	1 00	
3 1856 1 15 October Sorel		:	m	1881	-						St. Francis	ор		2 00	•
2 1850 1 21 do do John Brøwn do	n Bte	က		1866	-	15		:	October		Rivière du Loup			00 [0
2 1860 2 21 do do John Brown do do	e, Frs., sen.	~		1830	7	21		•			Dredge	ф ор	1881	1 00	0
1 1878 3 1 do Champlain do do do	homas	~~		1860	63	12	:	:	ор		John Brown	ф ор	1881	1 00	
1	Marchand, Hilaire			1878	က	-	•		ор		Plover	•	1881	2 00	

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued.

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FF 6.	S cts.	1 00	1 00	2 00	2 00	1 8	1 00	1 00	1 00	1 00	2 00	1 00	2 00	2 00	1 00	00 9	2 00	8
Date of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
By whom c Bxamined.		Board	ор	ф ор	ф ор	ф ор	ор	ор	ор	ор	ор	do	ор	do	ор	ф ор	op	ф ор
Name of Steamer last employ.		N. F. Parsons B	Lucie	Elévateur	Dicey	Star	L' Assomption	Terrebonne	Nil	Dredge	Terrebonne	Delisle	Caroline	John Brown	Dauntless	Gatineau	Resolute	Draid
Place of Residence.		Sorel	ор	Champlain	St. Antoine	Sorel	ф	ор	ор	ор	ор	ор	St. Roclachagan	Sorel	Lévis	Сьатрівіп	River Ouelle	St. Sanvent
Date of Issus.		October Sorel	ф ор	ор	ор	ор	ф										********	
Number of Local Examination.			•	•			7				•	~			•			_
Date of First Local Examination.		:	•				1872					1872	:	:	•	:		
Number of Renewals		21	20	9		18	9	21	-			9		67	21	-		
Number of Board Examination,		-	-	4	m	64	က	-	-	-	-	က	-	ಣ		7	67	ď
Date of First Board Examination,		1860	1861	1873	1873	1863	1872	1860	1874	1881	1881	1873	1881	1877	1860	1679	1880	1870
Class of Assistant Engineer.		-		:	-	:	7	•	<u>ო</u>	ო	m	-	ო			7	87	
Class of Engineer.		2	က			61	•	61		•		:	•	ന	ო			
Name of Engineer.		Matte, Charles	Melotte, Pierre	Marchand, Narcisse	Moreau, Flavien	Martin, Alexis	Matte, William	Matte, John	Marcotte, Thomas	Manderville, Frs., jun.	Matte, Thomas	Martin, Joseph	Mercier, Joseph	Menny, James	Morin, Pierre	Marchand, Joseph	Mercier, Charles	Michond Achile

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op	qo	do	qo	do	d o	do	do	qo	do	do	do	qo	do	qo	qo	qo	qo	qo	qo	Smith	Board	ф	ф	do
Gatineau	Champion No. 1	Asilda	Rocket	E. Riding	Unicorn	M. A. Starr	Ferry	Derby	Ferry	Glendon	Ferry	Alida	Enterprise	Spallumchum	Cassiar	Princess Louise	ор	Alexander	Princess Louise	Seud	Asia	Ocean	Deseronto	
St. Appolinaire Gatineau	Lévis	do	Quebec	ф ор	Sydney, C.B	Halifax	St. John	Miramichi	P. E. Island	St. John Glendon	Halifax	Yarmouth, N.S Alida	St. John	December Kamloops	New Westminster Cassiar	ор	ор	Vietoria, B.C	ф	St. John, N.B	St. Catharines	ф ор	Mill Point	Kingston
······						•								December.	ф.	do .	do	do	ч ор	Ni1	January St.	т ор	ор	т ор
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1860	9281	1870	1874	1878	1873	1876	1869	1877	1875	1873	1869	1877	1872	1877	1831	1876	1876	1876	1877	1874	1875	1873	1878	1867
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7	64		е	•		63				7	:	~~		1	•				en	က	m	67	•	- <u>-</u> -
Moreau, Guillaumo	Martin Ernest	Moreau, Louis	Montgomery, Laune'l't	Morris, John	Marshall, James	Mason, Wm	Mays, D. B	Miller, J. C	Mitchell, Wm	Morris, James	Morton, Wm	45 Villen, J. D	Mowbray, James	Menanteau, Augustine	Moran, Robert	Mayers, Christian	Marwick, I. H	Madigan, Benjamin	Murray, John	McKenzie, Wm	McMaugh, A. W	McMaugh, Wm. I	McFall, Michael, jun	McCaull, Robt

8 8 8 9 8 8 8 Steamboat Engineers' Examinations and Renewals during the Year ended 31st December, 1880.—Continued. 10 'n 20 n Date Certifi-1880 1880 1880 880 1880 880 1880 880 1880 0881 1880 1880 0881 880 0881 1880 Elswood | Taylor Risley Westgarth..... By whom Examined. Risley Smith..... Board Ottawa John McDonald Burgess Board Taylor. Board. Board. Board do do Name of Steamer last employ. | Hamilton | Forest City |City of St. Catha-Sovereign..... Septemb'r Port Perry Anglo-Saxon..... En terprise Victoria, B C...... Isabel H. B. Sherwood Bath Chain Tug..... Maude Matamora. Albion ф Mill Point August Kingston Victoria, B.C Collingwood...... Collingwood ... Port Colborne January... St. Catharines. St. John, N.E ... Port Lambton Residence. Place of Montreal do Date of Issue. April ф April qo ф qo Examination. ന LOCAL 10 Numbe 1876 1878 Examination. 1879 1880 1880 1880 1880 Date of Firs Local Lps'd. Lps'd. Lps'd. 9 No. of Renewals. 2 2 Examination. ŝ က 10 Number Board 1878 1871 1872 1879 1872 Examination. 6281 1877 1878 1865 1870 1880 1872 181 Date of First Board A35't.. A 89' t.. មិពស្រីពេទទ ď က Ø ന ന Class of Assistant က 2 تے C) J J ב a Class of Engineer. Melnnes, Duncan..... McBride, Thos McDermid, Alex'r C ... Danie 1..... McFall, M., jun McManus, Patk. F McCarthy, Chas. I McDonald, Henry McArthur, James McDonald, George McIver, Roderick Name of Engineer. McArdle, Robt McDonald, D. F ... McGill, Jeremiah McLeod, David McIntyre, T. McEwen,

L. 1 1877 3 1 1877 2 E. 1 1881 1 1880 1 2 1870 4 8 1880 1 E. 1 1870 3 2 1877 2 2 1881 1 5 1880 1 E. 1 1877 3 2 1877 2 2 1881 1 1879 2 1 3 1881 1 1877 2 3 1881 1 1877 2 1 1879 2 1 1877 2 3 1881 1 1877 2 3 1881 1 1878 1 3 1881 1 1878 2 3 1881 1 1878 2 4 1 1878 3 1 5 2 1878 3 1 7 3 1881 1 1878 1 7 4 1 1873 1 8 1881 1 1878 2 8 1883 1 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1881 1 1878 3 8 1883 1 1878 3 8 1883 1 1878 3 8 1883 1 1878 3 8 1884 1 1878 3 8 1885 1 1878 3 8 1878 1 1878 3 8 18	ber	Enterprise	Meneilley	1880	8 8
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McArthur, Alex 3 1872 4 5 1871 1	Pitts Ferry	Nipissing	ор	1881	00 1
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By whom Examined,	Boord	ор .	op	op	op	op	op	op	op	op	op	op	ф ф	op	op	
Name of Steamer last employ.	Maganettawan	H. B. Sherwood.	Norman	Corsican	Spartan	Hiram A. Calvin	Alma Munro	Deseronto	Jessie Hall	Coboconk	Rosseau	Anglo Saxon	Chaudière	Prince of Wales	John McDonald	
Place of Residence.	Collingwood	Kingston	Washburn	Kingston	ф	Garden Island	Kingston	Mill Point	Kingston	Fenelon Falls	Gravenhurst	Port Perry	Allan's Corners	Chateauguay	Ottawa	
Date of Issue.				:	•					:						
Number of Local Examination.		:	- 21		•			23					•		-	
Date of First Local Examination.	1877	:	1877	_ !	•	1873		1879				1880	•		1880	
Number of Renewals	4	16	81	17	18	-4	13					Lps'd.	15	21	- !	
Number of Board Examination.	4		-23	~			- 7	က	-		m	61	-	-	~1	
Date of First Board Examination.	1874	1865	1878	1863	1863	1874	1867	1878	1881	1881	1878	1873	1866	1860	1874	
Class of Acsistant Engineer.						8		-	m	n	-	83				
Class of Engineer.	, es	. m		8		į	7						က	64	岜	
Name of Engineer.	McOuade, David	McFaull, Michl., sen	McGillivray, James	McBride, Archibald	McBride, Robert	McCready, Wm	McCaul, Robert	McFall, Michael, jun	McSorley, Charles	McFadden, John G	McArthur, Jas. (No. 3)	McDonald, Henry	McCuaig, Duncan	McRoberts, Alex	McDonald, George	

Sessional	Paners	(No	17	١
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Dragon	Nil	Lady of Lake	L. Boyer	N. Light	Montague	Princess of Wales.	N. Light		Ads G	Dredge	-;-	ī	В. Н. Lowe	Nil	Manitoba		- -	Laddie Sn	Enterprise Board		Comet Me	WelchmanBu	Ripple	Nil Board
Picteu, N.S	т. ор	Sydney, C.B	ф ор	P. B. Island	ф ор	ф ор	ор	St. John	ф ор	op	Glace Bay, C.B E. M. Gates	Glendique, C.B Richmond	Windsor, N.S	St. John	Winnipeg	N. Westminster Wm. Irving	Wallaceburg Victoria	Chatham	January Carleton	March St. Catharines Asia	A pril, Chatham	•••• ор	do Ottawa	
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McDonald, Angus	McFarlane, D. H	McKenzie, Allan	McKenzie, D. H	McMillen, John	McPherson, A	McPherson, R	McDonald, Stephen	McCarty, Daniel	McKinnon, A	McMarray, J. B	McVicar, Donald	McLeod, John	McMonegal, W	McGachey, Henry	McPherson, Thos	MeArthur, James	McLeod, Roderick	Neilson, James	Nichol, Abner	Norton, James H	Nichol, Thos	Noyes, John O	Neill, Robert	Neill, Andrew

STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued.

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Date of Certifi- cate.		1860	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1880	188	1880	1880	1881
By whem Examined.		Board	ф	тор	do	ф ор	ф	ф	що ор	ф	ф ор	ф ор	do	ор	ф ор	ор	Westgarth	Board
Name of Steamer last employ.		Nil	Tecumseh	Niagara	Olivia Gordon	Mocking Bird	Minnie Sall	F. B, Maxwell	Agnes McMahon	Welchman	Норе	Maid of Orleans	Вевтег	J. C. Clark	Elevator	Edsall	Maggie	Hestings
Place of Residence.		October Port Whithy	November St. Catharines	Cobourg	Port Colborne	op	Penetanguishene	Morrisburg	Ottawa	Ohatham	Lotbinière	St. Petrouille	Victoria, B.C	Sarnia	Kingston	Westport	Burrard Inlet	Kingston
Date of Issue.		October	November	December.										January	do 2	March	November	•
Number of Local Examination.		-	က	-		7	*	-	-					74	:	:		
Date of First Local Examination.		1876	1873	1876		1870	1873	1875	1878	1880			:	1870	:	:	1880	
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Date of First Board Kxamination.		1875	1875	1875	1860	1875	1875	1871	1878	1878	1811	1870	1877	181	1865	1878	:	1865
Class of Assistant Engineer.		-		_			-	-	Fi	-	-		-	i	-	က		
Class of Engineer.		:	60		က	m		:	m	:		က		က	m		i	7
Name of Ergineer.		Niles, Thos	Norton, James H	Niles, Thos	Norcross, S. R	GNeff, Sylvanus	Norton, F. J	Nash, Russel	Newton, James	Noyes, John O	Noel, Hypolite	Nadeau, Jean	Neil, Henry	Odette, Henry	O'Brien, Laurence	O'Neill, Thos	Oliver, Joseph	O'Reilly, Thos

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Edmund	Shop	Armenian	Norseman	Tohn	Зевте	Champion No.	XII	Maggie	Quebec	St. Peter	L. Franklin	Wadsworth	Bob. Hackett	Albert	A. Benkis	3rune	Maggie.	Enterprise.	Three Friends	Prince Arthur	Ranger.	N.II.K	NII	St. C
	-		-	Portage du Fort John Egan	Village Lauzon Beaver	-	St. John Nil			:		-	_	<u> </u>	1	N. Westminster Brunette	-=	-	<u>-</u>	-=	-			
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Newboro'	Gananoque.	Westport	Pert Hope	986	ge L	ą,	ohn	ard I	ie	Beauharnois.	Kingston	atha	lsor.		•	estm	rd Is	Bond	Willi	ato		į		nière
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O'Neill, Michael J		_	64	<u>.</u>		:			- :	~~	<u>.</u> п		نہ	<u></u> -	:	<u></u> -	ـ ن	<u>.</u>		ო			 m	_
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Micha	Ormiston, Wm. A	O'Neill, Thos	Jame	eorg	Ohan	Fran	Hiran	seph.	, The	erre.	ohn	red E	Alfr	is	₽d₩	n	arles.	9	War	Josef	Thos	bert.	bert.	ia.
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O'N	Orm	O'Ne	O'Reilly, James	Ostrout, George	Ouellette, Charles	Ouellette, François	Orchard, Hiram	Oliver, Joseph	Pettigrew, Thos	Parent, Pierre	Painter, John	Price, Alfred E	Patching, Alfred	Petit, Louis	Pelletier, Edward	Pentz, John	Paull, Charles	Pangborn, George	Pritchard, Warring'n.	Peterson, Joseph	Poliquin, Thos	Poire, Morbert	Poire, Norbert	Pilot, Philias
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cts. 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 31st December, 1880.—Continued. ص 10 Ď 2 69 Date Certifi-cate. 1881 1880 1881 1881 1881 881 88 1881 1881 188 1881 1881 1881 1881 1881 1881 ಕ : By whom Examined. Board..... ą ф မှ ф ф ဝှ φo ę ф ę ф ဝှ ф qo ę | | Georgeville............. | Minnie......... Transfer..... Name of Steamer Leslie..... Montarville..... last employ. Asia..... Caroline..... Prince Arthur Northcote H. F. Bronson Gatineau..... Jane Miller... William Portsmouth. Passport... Shickluna Michigan November Gordon, P.O...... December. Grand Rapids...... Greece's Point..... Newburg..... Welland Hull..... Longueuil Lachine. Newboro Elgin ... Windsor ... Montreal...... Deschambault Kingston..... Residence. Place of Toronto ... Wiarton Date of Issue. ф ф Examination. Number of Loca 1878 1873 Kxamination. Date of First Local Lps'd. Number of Renewals 16 ဖ 10 10 2 Examination. ന ~ Number of Board 1874 1874 Examination. 1879 1865 1878 1879 1873 1874 1880 1880 1872 1873 1860 1870 1881 1881 1881 Date of First Board Engineer. က JustsissA to sealO Pagden, Cleme t. | : Class of Engineer. c ø ~ m Perie, A lex Poor, George..... Palmer, Isaac W..... Philpott, Richard Poitras, François X Park, Joseph..... Paterson, Joseph...... Paquin, Lactrance Piché, Michel Purcell, John P Paul, George..... Paquin, Trefflé...... Paquette, Jérémie Name of Engineer. Port, Robert E Parker, Wm Piché, Napoléon...

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/Shop	Dredge	Champion	Milford	Mirsmichi	E. D. Champion	Bienvenu	Lady Forest	St. Catharines	St. Andrew	Ferry	Neptune	Nil	Dredge		ф ор	Lincoln	Soulanges	Brunette	N. Taylor	Olive	Mocking Bird	Dolphin	L. Shickluna	John Toung
Sorel	ф ор	ф	Champlain	St. John, N.B	Portneuf	Portneuf	Lévis	Lotbinière	Lévis	St. John, N.B Ferry	ор	Halifax Nil	P. K. Island	Halifax	ф	St. John	ф ор	Victoria, B.C	Nanaimo	May Kingston	August Port Colborne	December. Quebec	Port Dalhousie L. Shickluna	Sorel
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Pelletier, Edouard	Physick, Thos	Piché, Ferdinand	Piehé, George	Pratt, Wm. T	Paquin, George	Pitre, Emile	Patre, Barthelemi	Pilot, Philias'	Poire, Norbert	Parks, William B	Paul, Francis	CPayne, George N	Payne, J. G	Pierce, Abraham	Pierce, William	Perkins, Edward	Porter, John E	Pentz, John	Penny, Thomas	Quigley, James	Quackenbush, Chas	Quin, Henry	Quinn, Patrick	Query, Onezime

cts. 3 8 8 8 8 8 3 8 8 8 8 8 8 Fee. STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ended 81st December, 1880.--Continued. <u>۔</u> 10 0 0 Date Certifi-1880 1880 880 880 880 1880 780 88 1880 1880 88 88 880 88 9881 1880 1881 ਰ : Board By whom Examined. Risley..... ***** Westgarth. August | Port Carling | Pinafore | Meneilley Board .. မှ ф ф မှ ę စ္ ခု New City Name of Steamer last employ. Western Extension Calumet...... Merrimac.... Mills..... H. Smythe....... Nil Lineola..... E. Stuart..... Flamborough. J. B. A..... Thames..... Alexander qo Catharines New Westminster. Wallaceburg London. St. John Picton..... Wallaceburg..... Champlain Residence. Montreal Halifax Chatham Halifax Chatham. St. John ... Lévis ф an uary... ፣ May June Мау.... August.... Date of Issue, August ф ф Pil ဓု ද မှ Ş ģ Examination. Local Number of 0881 |.... 1876 Kxamination. 1880 1872 Date of First Local Lps'd. ð မှ Examination. ď 30 Mumber BOArd 1876 1870 Examination. 1869 1876 1879 6981 1876 1869 1874 1870 1864 880 869 1871 Date of First Board Engineer, da eteise A To sasiU Class of Engineer. က Ä က Ė Rogers, John Robert, Joseph...... Ross, John Ramsey, Alexander Ritchie, William Reed, William O Ress, George, No. 2... Robinson, William F ... Retallie, John Reeve, Elgin Robitaille, Louis...... Ross, John, No. 2. Robinson, James...... Roger, Ciéophas...... Name of Engineer. Quinlon, Daniel Roberts, D. H Roberge, Louis

Rousseau, Elie	m —		1860	~	20		*******	May		Aurora Board	Board	***************************************	1880	1 00	_
Вояя, Јовп	m	:	1876	*	64	******	i	November	November Windsor	Wictoria	ф	21,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1881	2	
Raymond, Meses		m	1881	,	:	:	i	op	Walkerville, Ada E. Allen	Ada E. Allen	ę		1881	80	
Reed, Wm. 0			1879	44	7	1879	-	op	Wallaceburg Colin Munro	Colin Munro	do	••••••	1881	8	
Rowan, Angus	••••••	~	1881	-	:	•	:	op	Sarnis Manitoba	Manitobs	ę		1881	8 10	
Reynolds, J. F	64		1870	es	0	1869	64	op	Dundss	Nil	do		1881	8	
Rouleau, Médéric		-	1874	က	ю		:	December.	December Lévis Maud	Жавф	စု		1881	8	
Robertson, Fredk		-	1878	က	:	1879	-4	***************************************	Keswick	Isabella	do	:	1881	8	
Ross, John, No. 1			1869	7	12		:		Port Robinson M. B. Mitchell	M. B. Mitchell	ę	**************************	1881	28	
Ross, Wm		-	1869	-	12	:	•	***************************************	••••	ф ор	Ş	***************************************	1881	1 60	
Ross, Robert.		~	1874	m	20	:	:	•	op	M. A. Bennett	စ္	***************************************	1881	1 90	
Ross, George, No. 1		က	1873	7	60	:		•	ф ор	op	ф	***************************************	1881	1 80	
C"Ramsay, Alex	က	:	1869	7	22	:	•	‡ <u>0</u>	St. Catharines Lincoln	Lincoln	do	•	1881	1 00	pc
Radoliffe, E. D	:	-	1878	က	-	1877	64		••••	R. B. McPherson	ф		1881	1 00	
Robinson, John	턵	ຕ	1881	7			:	•	Keswick	Isabella	g		1881	8	<u> </u>
Roy, Francis	00		1866	a	41	1875	-	***************************************	Prescott	Transit	do		1881	1 00	
Rice, John		-	1877	က	64	:	•	••••••	Newboro'	Adventure	g	•	1881	1 00	
Reynolds, George	•	63	1880	-	-				Kingston	Зрор	ф	•	1881	1 8	
Rochford, Alex		-	1869	69	=	:		***************************************	ф	Eleanor	đo	•••••••••••••••••••••••••••••••••••••••	1881	1 00	
Reynolds, Samuel	:	~	1873	က	9	1879	~		Port Hope	Albert Wright	g		1881	1 00	
Rodman, Joseph		-	1878	က	-	1878	69	••••••••••	Little Britain	Whistle Wing	ę	•	1881	90 T	
Rooney, Wm. H		ო	1881	1	•	:		•••••	Ottawa	Agnes McMahon	එ	:	1881	8 9	
Robinson, James		65	1879	-	9	:		***************************************	Montreal		စု		1881	1 00	
Raciot, Antoine	m		1863	-	88	:	;		Sorel	Mark Twain	ę	••••••••••••	1881	1 00	
Robert, Placide	m		1867	, 	71	:		op qo	•		ę	•	1881	1 00	

E4 6.9	9 2	1 00	1 00	8 \$	1 00	2 00	8	2 00	1 00	2 00	00 g	1 00	1 00	9	1 00	8	-
Date of Certifi- cate.	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	
By whom Examined,	Board	do ob	ор	ор	" ор	ор	ор	ор	ор	ф ф	ф ор	ф ор	do	ор	ф ор	ي ان	
Name of Steamer last employ.	Calumet	Louise	St. James	Meteor	Harbour Co	Nil	Elevator	South	Napoleon III	Kate	Aurelia	Polino	ор	Otter	Rhoda	Anglesea	
Place of Residence.	Champlain	Sorel	٩٥	ор	ор	ор	ор	Lévis	St. Roch, Quebec., Napoleon III	Lévis Kate	ор	St. Ronauld	do ob	St. Michel	Village Bienville. Rhoda	Lévis Angleses	
Date of Issue.		***************************************	•	•							•••••••••••••••••••••••••••••••••••••••					•	_
Number of Local Examination.	-	:		i	:	i	:	i	:	:	i	:	-	:	1	:	_
Date of First Local Examination.	1880	:	:	:	:	:	:	:	:	:	:		1877	:	:	*****	_
Number of Renewale	-	11	64	4	4		10	~	13	:	7	 82	63		•	21	_
Number of Board Examination.	က	П	က	64		က	4	"	က	83	10	63	63	-	4	۳,	
Date of First Board Examination.	1876	1864	1879	1876	1877	1879	1873	1879	1866	1880	1870	1860	1878	1881	1869	1860	
Olass of Assistant Engineer.	-			69	က	~	i	-		-				က	•		-
Olass of Engineer.	:	m	က			:	n	Бį		pi	67	-	•		က	က	_
Name of Engineer.	Roberge, Louis	Rondeau, Louis	Rapple, George	Raymond, Onésime	Rondeau, Dieudonné.	Racette, Moise	Ritter, Arthur	Rosseret, Luc	Ralph, Josiah	Ruel, Jean	Roger, Cleophas	Ryan, Thomas, sen	Ryan, Thomas	Roy, Achile	Rey, Alfred	Rousseau, Elizé	

Riddle, G, W		1 1	1873	1 /	•	· · · · · · · · · · · · · · · · · · ·	·····)		Yarmouth	Pinafore	op /	•••••••••••••••••••••••••••••••••••••••	1881	1 00	===
Rowe, Wm. C	-		1872		6				ф ор	Dominion.	qo		1881	1 00	_
Roach, Thomas	i	64	1869	63	111	i	i	*******	Fredericton	Perseverance	do	•	1881	1 00	
Russel, James	:	64	1880	-	H	:	i		Newcastle	Nil	qo	-	1881	1 00	
Ross, Malcolm	:		1881	-	:					. Nil	ф	•	1881	8	
Reardon, J. D	:	64	1881	74			:	•	St. John	Nil	qo		1881	2 00	
Rennie, Robert	m	:	1875	က	က	1877	64		Bruce Mines	Kate Marks	qo	•	1881	2 00	
Robertsen, John	m	•	1876	-	10	1880	-		Victoria, B.C	Beaver	do		1881	1 90	
Robinson, James	:		1881	H		1880	-		New Westminster. Ada	Ada	qo	•	1881	2 00	
Stevenson, Patrick	m		1870	64	6	1876	က	Nil	Halifax	***************************************	ф		1880	1 00	
Spedding, Henry	4		1861	-	130			January	January Montreal	Shickluns	qo		1880	1 00	
Swales, Wm. E	63		1863	-	17			ф	Kingston	Margaretta	ф	•	1880	1 00	
Swift, John		63	1874	67	ю	1873	-	op	Toronto	Shickluns	qo	•••••••••••••••••••••••••••••••••••••••	1880	1 00	
Sutherland, David	m	•	1861	-	19			op	Chatham	America	đo		1880	1 00	
Smith, F. E	Ī	н	1875	8	4	:		т ор	Lindsay	Ontario	ф		1880	1 00	
Spain, Fred	:	-	1874	ო	4	1872		op	Port Rowan	Jessie	ф	***************************************	1880	1 00	
Simmons, G. L		•	1869	NO.	-	:		··· op	Detroit, U.S	McArthur	фo		1880	1 8	
Smith, James S	61	:	1877	-	က	:		op	Victoria, B.C	Iris	qo		1850	1 00	
Sommerville, Alex	-		1860	7	21	1872	Н	March	March Kingston	Passport	qo		1880	1 00	
Sutherland, Wm	:		1873	က	ъ	1872	ო	op	ф	Elswood	qo		1880	80 7	
Stevens, John	69		1866	87	13			April	St. Catharines	Shickluns	qo		1880	1 00	
Sloan, Robert	60	-	1869	4		:		op	Kingston	Rose	do		1880	1 00	
Sharman, F. D	i.			•	:	1871	က		Yorkville	Helens	Meneilley.	lley	1880	200	
Snowden, Robert	<u></u> در	:			:	1880	-	September Hamilton.		Magnus	Board		1880	2 00	
Smith, Wm. I	<u>-</u>		1878	81	-	1877	7	April	April Portage du Fort Empress	Empress	qo	***************************************	1880	1 00	=

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ted.	F 06.	S cts.	1 00	8 8	2 00	1 00	8	8	200 20	8	8 2	8 9	8	8	8	8	8	3 8	8
-Continu	Date of Certifi- cate.		1880	1880	1880	1880	1880	1880	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	189)
31st December, 1880—Continued.	By whom Examined.		Board	Westgarth	ф ор	Board	Wales Meneilley	ф ор	Board	ор	ор	ор	ор	ф ор	ф	ф ор	ор	op	, of
nding 31st Dec	Name of Steamer last employ.		Leslie	Ada	Etta White		Prince of Wales	R. F. Childs	Michigan	Transit	Bob Hackett	R. F. Childs	Оперес	Coltic	Magnus	Lothair	Northern	Bermuda	Marfores
ing the Year ending	Piace of Residence.	-	Montreal	New Westminster.	Burrard Inlet	Wellington Square Wales	Toronto	Wallaceburg	Windsor	ф	Kincardine	Wallaceburg	November Collingwood	Hamilton	ор	Ohatham	December Hunterville	New York	Picton N. B
Renewals during	Date of Issue.		Мау	June	May	фор	June	July	November Windsor.	do do	op	··· op	November	03		-:- op	December	op	9
Renev	Number of Local Examination.		~	Н	1		10	-		:	1	-	-				н	:	
	Date of First Local Examination,		1874	1880	1880	:	1874	1880			1877	1880	1877		1880		1877	:	
Examinations and	No. of Renewals.		مد	:	:	15	:	:		:	က		П	12		20	ო	-	11
ninat	Number of Board Examination.		ო			-	:	:	63	ea	က	1	4	-	-	~	64	m	6
Ехал	Date of First Board Examination.		1873	i	:	1865	•	:	1880	1880	1876	1881	1877	1860	1881	1861	1877	1878	1869
EERS,	JustaissA to sasiO Tagineer.		-	Agg't.	•				-	9	-		į	:	<u>ო</u>		-		
NGIN	Olass of Engineer.		:	Į.	ᆟ	81	i	ŗ		;	:		က	~	i	es	- <u>-</u>	:	-
STEAMBOAT ENGINEERS	Name of Engineer.		Spedding, Henry, jr	Sommerville, Wm	Sedgewick, John C	Sharpe, James	Shill, Robert	Sherwood, Malcolm	Sullivan, I. W.	Sullivan, Charles A	Stoner, David	Sherwood, Malcolm	Swain, Wm. J	Scott, Walter	Saowdon, Robert	Sutherland, David	Smiley, John	Shewart, James	Sweeton Wm.

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8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	1 00
-		_				~	_		10	_	_	-	_	_			20	20	_		_		20	_
1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881
•••••••••••••••••••••••••••••••••••••••					***************************************								***************************************											
ф	ф	đo	g	đo	ф	è	ę	ф	g,	qo	qo	do	do	ę	ę	qo	ĝ	do	qo	do	qo	မှ	ę	ę
Port Colborne W. A. Routh	Port Dalheunie Jas. Norris	L. Shiekluna	Eclipse	Factory	Europe	Garden Island Hiram A. Calvin	John A.Macdonald	Brockville Articam annum	Shop	Вотег	Nile	Ruby	Active	D. C. West	Pioton	Maple Lesf	Nipigon	Alliance	O. O. Kelly	Nil	Nil	Princess	Nil	Empress,
Port Colborne	Port Dalhousie	St. Catharines L. Shiekluns	Mount Healy	St. Catharines	Kingsten	Garden Island	do	Brockville	Portsmouth	Kingston	ф ор	doRuby	ф	Klgin	Kingston	Bobcaygeor	Montreal	Araprior	Montreal	op	Ohicago	Montreal	ф	Portage du Fort Empress
•	ф ор	op	•••••••••••••••••••••••••••••••••••••••	***************************************								***************************************			:									
1	7	******	64		-	:		,			:			m		ო	i			:	-	-	:	-
1876	1879	-	1874	i	1873	- <u>÷</u>			- -	1879	- 	÷	•	1873	-	1817	i		1874		1875	1870	- 🗄	1877
-	4	14	:		9	<u></u>	•	_ <u>-</u> -	:	77	12	•	<u>;</u>	ъ	<u>;</u>	64	<u>-</u> -	- -	<u>-</u>	 91	10	•	i	•
8	8	~~	~	<u>е</u>	~		es			-	-	က	4	m		en	20	Cd	m	co ₃		<u>ო</u>	-	61
1872	1875	1866	1880	1869	1874	1872	1871	1880	1881	1879	1869	1873	1869	1874	1872	1877	1872	1875	1872	1863	1876	1871	1881	1878
1	-			i		-		69	64	69	-		i	-				64	-			:	m	
***************************************	•	~	-	63	_	м		_	-			_	<u>ო</u>	;	~	며	<u>.</u>				:		:	<u>:</u>
Smith, J. H	Smith, Wm	Stevens, John	Smith, Wm. H	St. Jehn, O. P	Swift, John	Smith, Thos	Simon, John	Steen, Wm	Stewart, James	Smeaton Alex	Sullivan, Wm	Suthérland, Wm	Sloan, Robt	Simmons, Thos	Sommerville Francis	Stevens, James	Scott, Charles	St. Michael Auguste	Short, Thomas	Short, Wm. H	Short, Alex	Seguin, Jean B	Smith, Joseph	Smith, Wm. J

8 8 8 8 8 8 8 8 8 8 8 8 8 STEAMBOAT ENGINEERS' Examinations and Renewals during the Year ending 31st December, 1880-Continued. ю × ~ Date Certifi-1881 1881 1881 1881 1881 1881 1881 1881 By whom Examined. |Board ဍ ç ę ф ę မှ do ą ф g g ಕಿ Montreal...... British America John Pratt..... : do Annie...... Waterworks..... Canima, Name of Steamer last employ. Rocket Elevator Napoleon III. Santiago Village Lauzon..... Otter... Village Bienville .. Beaver | Halifax..... | Delta New York..... New York Sydney, C.B... Montreal. ဓ ဝှ ф ę ф ಕಿ Date of Issue. Examination. Number of Local 1876 Examination. 1876 1873 1872 Date of First Local 7 No. of Renewals. Examination. Number of Board 1877 1876 1873 1878 Examination. 1867 1867 1860 1870 1872 1880 1864 1871 1871 1874 187 Date of First Board Engineer. Class of Assistant က Class of Engineer. Stevens, Douglass Seguin, Jean B., jun... Sheridan, Michel...... St. Martin, Narcisse... Stewart, Wm. Scott Scott, Wm. St. Martin, Felix 98t. Tannan, Henry Stadworthy, Wm..... Steel, Wm...... Samson, Odina Samson, Alexander Short, Urish Spénard, J. Bte. Samson, Ernest Name of Engineer. Samson, Jean ... Smith, Wm

Smith, J. Lorne	•		_	_	_								
	.7	1881	-	:	:	i		ф ор	Nil	do.		1881	5 00
	က	1881	-				***************************************	Halifax	Nil	op		1881	2 00
Smith, Fred. E 3	<u> </u>	1875	ന	m		-		Winnipeg	Victoria	op		1881	2 00
Stewart, George W 3	i	1881	-		:	:		ф ор	Marquette	qo		1881	2 00
Stephen, David 2	•	1876	61	4	:	:		Victoria, B.C	Enterprise	op		1881	1 00
Stalker, Hugh		1876	-	ĸ	:	•		Burrard Inlet	Leonora	qo		1881	1 00
Thompson, A. F	က	1875	-	10	i	į	Nil	St. John, N.B	Soulanges	do.		1880	1 00
Tilley, Edwin W	71	1877	67	67		:	January	Sarnia	Sovereign	op		1880	1 00
Thurston, Henry 2		1870	10	9	1869	4	т ор	Kingston	Africa	do ,		1880	3 00
Trickey, Alexander	-	1875	ю	m	:		op	Collingwood	Lake Erie	do .		1880	1 00
Taylor, Henry	-	1877	-	•	1873	61	ф ор	Chatham	S. S. Noyes			1680	1 00
9Tonkin, John 2	:	1871	~ ~	o o	1875	-	do do	Sarnia	Maniteba	do,		1880	1 00
Taylor, Peter L	ì	<u>:</u>	•	:	1880		op	Nanaimo	Elevator	Westgarth	arth	1880	2 00
Thorburn, John	67	1873		1-	1871	-	April	Sarnia	Nil	Board		1880	1 00
Taylor, John W L	- <u>-</u> -	:		i	1879	~	June	Wallaceburg	Messenger	Risley.	:	1879	00 9
Taylor, John W L	-		-		1879	64	April	ф ор	т ор	do.		1880	2 00
Trotter, Samuel 3		1873	4	41	:	:	ф ор	Chatham	Nil	Board.		1880	1 00
Troupe, Pierre 3	•	1864	-	16	:	•	ф ор	Sorel	Fire Fly	ф	:	1880	1 00
Thompson, Joseph L	~~	1879	63	:	1880		July	Port Colborne	D. P. Day	Meneilley	ey	1880	2 00
Tait, Thomas Benson. L.	i	<u> </u>	- -	•	1880		July	Sarnia	Nil	Meneilley	ме	1880	2 00
Tanguay, Xavier 3		1830	-	19	:		May	Lévis	Rival	Board		1879	1 00
Tanguay, Xavier 3	ì	1860		50			ф ор	ф ор	ор	do .	•	1880	1 00
Taylor, John William E.		1881	- <u>'</u> -	:	1879	61	November	November Wallaceburg	Messenger	do .	•	1881	2 00
Thorp, George	1 -	1874	67	<u>.</u>	_	:	op	Windsor	Transit.	op	•	1881	1 00

Place Name of Steamer By whom of last employ. Examined.
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Winde
November Windsor
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1873
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1881	1881	1881	1861	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1880	1880	1881	1881	1881	1880	1880
*****	•••••••••••••••••••••••••••••••••••••••	***************************************			•		***************************************	•	•	***************************************	***************************************						lley	***********				Smith	Board
qo	qo	ę	đ	ę,	g	ę	q	qo	qo	g	ą	ф	qo	ф	ခ္	ф	Meneilley	Board.	o p	do	9	Smith	Board
Dredge	St. Lambert	Champion No. 2	Hercules,	Lévis Adm'rl D.D. Porter	North.	Rival	Rhoda	Saguenay	North	Reindeer	Ohampion	Starr	H. Bell	St. Lawrence	Elevator	Средение	International	W. T. Robb	International	ф ф	Alpka	Gladiator	Nil
op /	ор	Lévis	St. Edward of Lot- binière	Lévis	Village Lauron	Village Bienville Rival	op	Quebec	Lévis	Village Bieaville	Lévis	St. John	P. E. Island	op	Nanaimo	Winnipeg	Point Edward	Kingston	November Point Edward	ор	Yarmouth, N.S	St. John, N.B	:
	***************************************			******					•••••••						:		July	March	November	do	•	Nil.	January Windsor
1		:		•	!			:		:	:				~		-		H	Ī	:	-	-
1873	:			•				:	:	<u> </u>				ì	1880	i	1880	_ <u>-</u> -	1880	İ	- 	1880	1874
8	GS.	21	-	:	92	21	-	6	13	4	-	- <u>:</u>	•••		~_	i	14		14	-	-		4
4	က	-		<u> </u>	84		 -	4	63	m	64	7	77	-	-			~	63	<u>-</u> -		<u>-</u>	~
1873	1870	1860	1881	1881	1860	1860	1881	1869	1867	1875	1879	1872	1872	1869	1881	1830	1866	1879	1866	1881	1880	1880	1875
	:	i	6	က			က		i		က		- -	:		(C)	Ŀ	~1	E	က	~	64	-
64	<u>е</u>	-		:	. 61	<u>е</u>	Ī	- <u>-</u> -	. 61	i		т т	c9		pi pi		es	i	67	:	-	<u> </u>	
Thomson, Andrew	Thibeaudeau, Alexis	Thériault, Jean Bpte	Turcot, Uldérie	Thériault, Jean	Thériault, Siméon	Tanguay, Xavier	Tanguay, Alfred	Thompson, Thes. P	Tanguay, Isidore	Tardie, Napeleon	Thériault, Siméon	Thorn, J. F	Todrin, Daniel	Twiner, James	Taylor, Peter	Tretheway, Thos. H	Vreland, David	Vince, Samuel	Vreland, David	Wreland, James	Van Buskirk, W. H	Wiggins, C. W	Williams, Pet or

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F4 66.	S cts.	8	5 00	1 00	2 00	2 00	2 00	2 00	1 00	\$ 00	1 00	200	1 00	2 00	2 00	2 00	8
Date of Gertifi-		1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880	1886	1880	1880	1880
By whom Examined.		Board	Risley	Board	Risley	Board	Westgarth	ф	Board	Risley	Board	ф ор	фор	Westgarth	Taylor	Meneilley	Board
Name of Steamer last employ.		Maythem	J. H. Doyle	Colin Munro	Вевтег	Florence	Skidigate	ф	Algerian	Kincardine	Mary Ellen	Passport	Corinthian	Isabel	Florence	Beaver of A. G	Nil liN
Place of Residence.		Goderieh	Allenburgh	Rondeau	Dresden	Hamilton	Victoria, B.C	ор	Ste. Cunégonde	Dresden	Gravenhurst	Lachine	Montreal	Victoria, B.C	Ogdensburgh	Wallaceburg	Dresden
Date of Issue.		January Goderich	ор	т ор	т ор	A pril	ф ор	що ор	do	ф	May	ф	do	August	Мау	June	ф
Number of Local Examination.			4		67	:	-	7		67	:	:	:	-	10		
Date of Firs Local Examination.		1875	1872		1879		1860	1880		1879		i	•	1880	1876	1880	
No. of Renewals.		6	9	က		Lps'd.			12		-	Lps'd.	18				Lps'd.
Number of Board Examination.			-	-	7	က		:	61	Ĭ	т С		67			_	
Date of First Board Examination.		1870	1873	1877	1878	1876	i	•	1867	•	1871	1878	1862				1877
Class of Assistant Buginee			7	7	7	61		Assist				₀					က
Class of Engineer.			Ŋ	:	ם	:	ı	در	67	ı	i	:	67	ı	<u> 1</u>	ı	
Name of Engineer.		Williamson, Andrew.	Wright, Robert	Wilson, Geofge E	Windover, Manly	9 Watson, George	Wilkens, Robert	Williams, John N. S	Webster, Wm	Wilmot, James			Wadsworth, Thos	Warren, Augustus	Wells, Charles	Webster, W. L	Wallace, R. C

	-	1000	,	11 1.	,	M	.)	May [Levis Victoria	Victoria	op		1880	1 00 1
-		1870	• "	. ~	1870	1	ctober	October Windsor	City of Dresden	do		1880	1 00
		A 101	, <u>-</u>		2		vember	November Vietoria, B.C Beaver	Вевтег	do		1880	1 90
- F		1,4401	٠				do do	Rondeau	Stanley	ę		1881	2 00
1 1011	<u>~</u> آھ			<u> </u>				:	Kincardine	qo		1881	1 00
	ີ ສັກ	. 10					- i- op	ор	City of Dresden	ф	•	1881	1 00
	. 8			<u> </u>		_	ep ep	Gordon, P.O	Transport	ф		1881	1 60
1 1878	97			 :			do do	Dregden	Tug Beaver	do		1881	- 00 g
1 1880	8	<u> </u>			- :	•	do	Hamilton Aeadia	Aesdis	đo		1881	00 1
2 1881	881				1880		do g	Wallaceburg	Веатег	đo	***************************************	1881	8
1 1873	873			•	•	Ä	ecember.	December, Halifax	Nowfield	ф		1881	8
1881	88					<u>:</u>		Dominionville St. Jean Baptiste	St. Jean Baptiste	do	***************************************	1881	5 8
1 1879	67.0		. ~					Owen Sound	Manitoulin	ф	•	1881	8
188								:	Metamora	do	•	1881	1 00
1887	887		. «	- 2					J. L. McEdwards	go		1881	1 00
1876	948				187			Port Robinson Geo. Douglass	Geo. Douglass	qo		1881	1 00
1965	98					:		St. Catharines Persia	Persia	do		1881	1 00
1 1878	878		- 61		1877	<u>;</u> %	***************************************	ф	Lothair	do		1881	1 00
1 1877	11.		64	 m	- :			Toronto	City of Montreal	do	•	1881	1 00
187	27.		•					Lindsay	Rosseau	do	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1981	1 00
1 6081									Corinthian	ę	***************************************	1881	8
1001	4 6			•					Princess Louise	do		1881	1 00
1 6			, -						Florence	စု		1881	2
	100		-					St. Cunegonde Algerian	Algerian	ę	***************************************	1881	1 8
•				<u>. </u>				Prencis	Francis	ę	***************************************	1881	80 9
7 1581	99	_	<u>:</u> -		-	:							

STEAMBOAT ENGINEERS Examinations and Renewals during the Year ended 31st. December, 1880.—Continued.

Fee.	\$ cts.	8 8	2 00	1 00	1 00	1 00	1.00	1 00	1 00	1 00	1 00	1 00	9	1 90	1 00	1 00	1 00	2 00
Date of Certifi- cate.		1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1881	1880
By whom Examined.		Board	ф	фор	, ор	ф ор	ф ор	ф ф	do	d o o	ф	ф.	ф	do	ф ор	ор	ф ор	ф ор
Name of Steamer last employ.		F8WD	Corinthian	Canada	Acadian	St. Joseph	Cookoo	City of St. John	Nil	Shattuck	Ingraham	Hy. Hoover	Ferry	Speck	Princess of Wales	Kil	Admiral	Erama
Place of Residence.		Grenville	Lachine	Rockland	Halifax	Village Lauzon	Chicontimi	St. John	Pine Tree Gut, N.S. Nil	Halifax	Cow Bay, C.B	Halifax	ор	St. John	P. E. Island	St. John	ф	Victoria, B.C Enama
Date of Issue.			*****	*****	••••••			••••			***********		***************************************		:			
Number of Local Examination.		i	-			•				63	-	-				-		
Date of First Local Examination.		:	1880		:		i			1876	1874	1874	:	:	:	1878	:	1880
Number of Renewals		•	i	16		12		∞	ო	69	ო	*	o	Ξ	က	П	12	
Number of Board Examination,		-	67	-	4	-	_	<u></u>	က	ო	က	က		C4	-	67	-	
Date of First Board Examination.		1881	1878	1865	1871	1869	1880	1871	1876	1877	1876	1876	1872	1869	1878	1879	1869	1881
Class of Assistant Engineer.		c4	64		:	-	64		į	:		:	63	-	~	•		
Class of Engineer.		:		n			:		67	23	~	ĸ				7	-	ဓ
Name of Engineer.		White, John	Watson, Wm	Woods, James	Wells, Wm. F	9Wool, Joseph	Wells, Wm	Wilson, Alex., jun	Weir, Wm	Wilder, Willard	Willlams, H. C	Wilson, Thos	Wilson, Wra	Walsh, John	Webb, George	Waring, Wm. L	Wilson, Alex., sen	Wickens, Robert,

Young, James 3 '	85		1876	7	/ 3	/		'April	(New York	April New York Bermuda do	do	 1880	1880 5 00
Young, Francis		2	1873	67		1872	-		Owen Sound	Owen Sound Francis Smith do	ф	1881	1 00
York, Edward	8		1871	-	10				Brockville Shop	Shop dodS	qo	1881	1 00
Young, Franklin V		-	1880	-	~	1872	63		Lachine Nil.	Nil	op 	1881	1 00

STEAM VESSELS Inspected for the Year ended 31st December, 1880. WEST ONTARIO. HIRON AND SIPERIOR DIVISIONS.

Name of Vessel. Port Name Date Secondarian Port Name Date Secondarian Port Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. Collector. Inspection Collector.								_`			_					
Total Name				Hope and	; Toronto	qo	er, King-	op	q ₀	and Port	our.	, Colling-	g ₀	, Colling-	Georgian	Montreal
WEST ONTARIO, HURUN AND SUPERIOR DIVISIONS, Lion. Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. C	į	narks.		l tug, Port	l passenge: rg.	•	and passens Thicago.	Montreal	đo	Port Dove	towan Harl	passenger Chicago.	စု	passenger Duluth.	passenger,	passenger,
WEST ONTARIO, HURUN AND SUPERIOR DIVISIONS, Lion. Collector. Inspection Collector. Inspection Collector. Inspection Collector. Inspection Collector. C		Ret		freight and wego.	freight and a Ogdensbu	ğ	and freight s ston and (Roy	tug, Port B	reight and wood and	qo	reight and wood and	reight and Bay Ports	freight and and Ohice
Total Name				Screw,	Screw,	op _	Screw	ę	ę	op	Screw,		ę			
Name		Total.		22		31 08	19 44	35 72	34 70			33 76	37 16	56 44		32 96
Name	NS.	te ent.		18		8	Ø.	6	24	12	12	14	13	13	41	91
Name	VISIO	Da of Paym		March	April	đo	do	ģ	đo	ego	ф	đo	ф	qo	qo	ф
Name	R DI	Inspection Fees.				∞	10	•••	<u></u>	10	20	•	•0	6 0	6 0	80
Name	UPERIO	Топпаке Dues.	\$ cts.	16 52	24 48	23 08	14 44	27 72	26 70			25 76	29 16	48 44	20 22	24 96
Name	S QNI	Registered Ton- nage.		280	403	356	284	440	412	84	14	408	484	823	219	385
tion. Co tion. Co tion. McFa nousie McFa do nousie Gollie m Barret do ood Watso do do do do do do do do do	RON	Стова Топпаке.		413	612	919	361	693	199	08	19	444	729	1211	322	628
tion. Co tion. Co tion. McFa nousie McFa do nousie Gollie m Barret do ood Watso do do do do do do do do do), HU	te		16	23	83	63	63		12	12	14	14	14	41	91
tion. Co tion. Co tion. McFa nousie McFa do nousie Gollie m Barret do ood Watso do do do do do do do do do	raric	Day of Inspec		Магсь	do	qo	A pril	do	do	မွ	do	do	qo	qo	9	ę J
Port of Port	WEST ON	Name of Gollector.		cFarland	ouglass		:	itson	ор	brett.	:	atson				ollier
Lothair		ei ei		леМ			Bie	:	•	- A			i			D
Lothair		Port of Inspectio		Port Colbor	Toronto		Port Dalhou	qo	Hamilton	Port Dover.		Jollingwood	qo	qo	o p	St. Catharir
		Name of Vessel.		Lothair	Armenia	Cuba	Sclinton	Lake Michigan	California	Annie Graig	New Era	Canada	Lake Erie	Oity of Winnipeg	Northern Belle	Scotis

	op /	·:-	op		g	91	994 /	488	30 28	8	op /	91	38 28	op /	freight and passenger, Montreal and St. Oatharines.	_
Prussis	op	·	op .		g g	16	110	457	28 40	00	မှ	18	36 40	ф	freight and passenger, Montreal and Chicago.	
~=;	Lake Ontario Port Robinson Kitson		itson		ор	91	675	#	27 00	6 0	ව	6	35 90	ф	freight and passenger, Montreal and Hamilton.	
	op	= :	McFarland	nd	Ş	11	10	-	0 40	10	Sept.	24	2 40	qo	tug, Welland Canal.	
_=	Hamilton	- <u>×</u> -	itson	Kitson	වූ	19	889	440	27 92	∞	ę	17	35 92	do	freight and passenger, Montreal and Chicago.	
	q0	<u>_</u>	do		ф	2	460	358	18 43	10	d o	2	23 43	do	do do do	
	do		do		do	91	612	373	24 49	•	qo	13	32 49	qo	do do do	
Zealand	ор		do .		ę	£1	651	402	26 04	10	qo	17	31 04	đ	do de do	
Albion	ор		Collier	:	ę	19	297	250	11 88	×	q	12	16 88	do	freight & tug, Quebec & Chicago.	
	Columbia Owen Sound		Stephens	:	do do	28	629	408	25 19	€0	April	2	33 19	do	freight and passenger, Colling wood and Chicago.	
÷	Northern Queen Gollingwood	_:_	/atson.	Watson	မှ	31	619	318	24 76	8	op _	20	32 76	ф	freight and passenger, Georgian Bay ports.	
	do	-	qo	:	ę	22	8	13	0 84	10	do	7	5 84	do	fishing tug at Killarney.	
Vanderbilt	т ор	-	do		do	22	169	114	92 9	10	op	23	11 76	g	freight, coasting, Georgian Bay.	
	do		qo		qo	22	8	8	1 20	ю.	qo	22	6 20	ф	harbour tug, Collingwood H'rb'r	
	op	-	đo		ę	22	14	6	0 56	10	qo	22	2 26	q	dredge do do	
George Maythern	do		do	•	đo	22	40	27	1 60	10	op	23	99 9	qo	harbour do do	
 -	Gity of Montreal Toronto	<u>-</u>	Douglass		qo	23	654	409	26 08	∞	Мау	81	34 08	do	freight and passenger, Toronto and Oswego.	
<u> </u>	City of Owen Sound Owen Sound		Stephens		qo	24	1,092	743	43 72	80	April	27	51 72	do	freight and passenger, Colling- wood and Duluth.	
Fanny	do	:	op	:	g 0	36	4	_ 8	0 20	20	ф	8	20 20	ф	fishing tug, Club Island Grounds	
Manitoulin	op	· 	qo	•	q o	26	705	480	28 24	œ	qo	88	36 24	မှ	freight and passenger, ports on Georgian Bay.	
_		-				_	•			_		-	-			_

Date Date Inspection Gross Tonnage.	ction E
April 26 87 do 26 1,322	26
do 27	
do 28 462	88
do 29 347	39
do 29	
do 29	
do 30 606	30
May 3 208	<u>е</u>
do 3 16	ന
do 3 150	ന
do 3 342	m
do 3 210	60
8 op	

										`								
Paddle, freight and passenger, Toren- to and Hamilton.	Screw, passenger, ferry, Toronto and Island.	Screw, freight and passeager, Collingwood and Chicago.	Screw, tug, Georgian Bay.	Paddle, freight and passengers, Toronto, Niagara and Lewiston.	Screw, harbour tug, Toronto Harbour.	do passengers, ferry, Burlington Bay.	do do do Montreal and Chicago.	Paddle do do Toronto and Island,	do freight and passengers, Toronto and Niagara.	Paddle, passengers, ferry, Toronto and Victoria Park.	Screw, passengers, ferry, Toronto and Island.	Paddle, passengers, ferry, Thames River at London.	Screw, passengers, ferry and tug, Ha- milton and Beach.	Screw, tug, Welland Canal.	do do	do do	do do	do do
25 12	2 40	33 40	8 44	45 24	6 40	10 38	18 88	12 56	41 56	29 80	5 60	6 75	9 25	5 74	5 64	89 9	6 72	8 98
12	27	14	14	11	-	17	19	19	21	22	15	20	22	ĸ	28	30	28	7 7
qo	April	May	do	qo	do	do	do	do	qo	qo	qo	qo	qo	June	July	June	July	Sept.
8	20	œ	70	60	10	∞	10	<u></u>	80	∞ .	7.0	10	∞	70	10	20	10	10
17 12	0 40	25 40	3 44	37 24	1 40	2 38	13 88	4 56	33 56	21 80	09 0	1 75	1 25	6 74	0 64	1 68	1 72	98 0
791	9	431	57	6239	25	97	247	39	62 8	343	10	27	22	13	6	17	31	17
427	10	635	98	930	35	59	346	113	839	544	15	43	31	18	16	43	42	32
11	11	14	14	16	11	17	19	8	20	24	21	22	25	56	56	97	26	98
op /	qo	ф	ф	qo	do	ф	op	đo	do	do	qo	do	do	do	qo	qo	qo	qo
ф ф	op	Watson	ф	Donglass	ф ор	Kitson	Collier	Douglass	ф	do	Collier	Reid	Kitson	MeFarland	Collier	ф	ф ор	McFarland
ор]	ф ор		ф ор		ор	:	St. Cathariaes	:	ор	ф ор	ор		•		ор	ф ор	op op	do
Southern Belle	Prowett Beyer	Simcoe Collingwood	Mary Ana	Chicora Toronto	Golden City	Eclipse Hamilton.	Lincoln St. Cathariaes	Princess of Wales Toronto	Rothesay	Prince Arthur	Ada Alice	Victoria London	Dennis Bowen Hamilton	T. R. Seacord Thorold	C. F. Wadsworth.	G. Douglass	C. J. G. Munro	M. R. Mitchell

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of 写 Inspection	Стова Топладе.	Registered Ton- nage.	Товивее Dues,	inspection Fees.	Date of Payment.	Totals.		Remarks,
						S cts.	69		S cts.		
James Norris	Port Dalhousie.	Collier	May 26	- S	8	-	. 10	April 22	88 9		Screw, tug, Welland Canal.
Sam. Perry	op	op	do 26	22	35	1 68	20	d o 22	89 9	ę P	qo
H. Neelon	op		do 27	49	47	2 56	10	do 22	2 26	ор ——	Port Dalhousie and Lake Ontario.
Mary	Port Colborne	Port ColborneMcFarland	do 27	19	272	2 48	10	do 29	7 48	og og	Port Colborne and Lake Erie.
-TWa coile	đo	q	do 27	37	36	1 48	10	May 27	6 48	ф ——-	Welland Canal.
Mary A. Langhlin	qo	do	do 27	52	12	0 92	10	do 27	5 92	op —	op
Kittie Haight	go	do	do 27	8	78	2 40	10	do 27	7 40	တို	Port Colborne Harbour.
Mocking Bird		, do	do . 27	45	33	1 80	ю	do 27	08 9 	့	Op
Jane Armstrong	ę	do	do 27	44	£	1 80	ю	do 27	9	ಳಿ	đo
Jessie L. McKdwards	g	op	do 27	22	19	0 88	10	do 29	86 10	မှ	qo
W. J. Aikens	ę	do	do 28	4	22	1 68	10	do 28	89 90	ор 	Welland Canal.
Olivie Gordon	- - -	Collier	do 28		18	1 32	10	April 16	6 32	op —	Port Colborne Harbour.
D. P. Day	Welland	McFarland	do 28	ı	10	0 44	10	June 3		မို —	Welland Canal.
Louisa	go	ф ор	do 28	16	4	0 24	20	April 27	5 24		Screw, passenger, Welland Canal.
T.ealin	9	 Collier	do 28	10	20	0 44	ю	May 14	5 44		do do
Dufferin	ę	McFarland	do 28	30	17	0 80	10	do 13	2 80		do do
The state of the s	17	de.		33	2	1 36	20	July 19	96 9		do do

		-							-1		ζ		,				• -	
er, To-	Clair	qo	oit and	;;	River.	pus ms	do	Gourt-		Clair	op	en and	am and	Clair and	am and	rd and	qo	dging.
addle, freight and passenger, ronto, Niagara and Lewiston.	and St.		Wallaceburg, Detroit and Baltimore,	Dresden and Detroit.	Screw, hunting tug, Sydenham River.	freight and tug, Sydenham and Detroit Rivers.		ren and	River.	and St.		tug and freight, Dresden Detroit.	tug and freight, Sydenham Detroit Rivers.	, St. Ol. ers.	tug and freight, Sydenham and St. Clair Rivers.	car ferry, Point Edward and Fort Gratiot.		tug, Point Edward, dredging
ht and ara and		စ္	/allaceburg Baltimore	гевдеп а	ng tug, S	sight and tug, S Detroit Rivers.	t, do	Fairbaven right.	tug, Sydenham River.	Sydenham Rivers.	op G	ıd freigh troit.	d freight troit Riv	tug and freight, St. Detroit Rivers.	d freight Clair Ri	ferry, Poin Fort Gratiot	do	oint Edv
e, freig o, Niag	Serew, tug, Detroit River	g ₀	eto et	d of	, huntir	freigh Deti	freight,	đo	tug, 8	g op	qo	tug an Del	tug an Dei	tug an Dei	tug an	car fe	•	tug, P
Paddle, ronto,	Sorew	7	7	~	Screw	ę P	မွ	op G	qo	. op	op	qo	g g	go	eg 	op 	ę	op do
43 92	11 76	9	6 84	7 48	5 20	6	7 20	4 08	26	5 60	9	8 22	8 44	7 40	28	20 08	42 04	12 00
20	4	4	10	*	7	ю.	20	10	20	20	4	-	-	2	4	23	23	13
op —	June	ę G	d.	ු ස	qo	စ္	3	op	ф	9	do	op	ę	op	ව	April	og —	Oct.
8	10	<u>د</u>	10		10	10	10	×0	10	20	10	10	مد	ю.	20	®	œ	2
32 83	6 76	1 60	1 84	2 48	0 20	4-	2 20	88	0 26	09 0	1 00	3 52	3 44	2 40	0 88	42 08	34 94	2 00
213	77	27	31	43	60	88	37	38	9	11	16	8	10	41	15	889	629	12
898	169	န	48	62	20	100	40	51	•	14	24	88	86	99	22	1,052	850	24
Η .	es	4	тĊ	*	ю	2	10	ю	ຜ	20	-	-	4	2-	1	œ	80	6 0
June	9	do	qo	ခွ	q	ę	ę	စု	do	မ	qo	မွ	ව	op	စ္	р	op	op _
Douglass June	Вепвол							***************************************			•					Mathewson		Collier
Doug	Вепво	go	Fraser	ę P	op	ę P	qo	op	op	op	စ္	op	9	op	op	Mathe	op —	Collie
:		•	burg		:		•		:	•	:		•	•		dward	:	:
Toronte	Windson	go	Wallace	စ္	op	op	qo	do	op	qo	do	do	do	qo	op 	Point E	do	ор
City of Toronto Toronto.	McArthur Windsor.	Henry Smyth	Wm. F. McBae Wallaceburg	Вевуег	R. F. Childs	Manitoba	Веатег	Тражев	Myrtle	Messenger	Harry Sewell	Victoria	E. Windsor	Jêrome	Comet	Huron Point Edward	International	Ada Carter
									7	13								

STEAM VESSEL	s Inspected f	or the Year e	nded 3	lst De	cemp	er, 1880		West (Ontar	io, &	STEAM VESSELS Inspected for the Year ended 31st December, 1880—West Ontario, &c., Division.—Continued.
Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Ton- nage.	Топпяце Dues.	Inspection Fees.	Date of Payment.	-	Totals.	Remarks.
Sea Gull Point Edward MathewsonJune	Point Edward	Mathewson	June 9	61	43	\$ cts.	et ro	April 2	.3 -23	\$ cts.	Screw, passenger ferry, Point Edward and Fort Gratiot.
Sarinaw	Sarnia	ф ор	do 9	356	242	14 28	00	July	5 22	78	do carferry, Sarnia and Pt. Huron.
Arlington Toronto		Douglass	do 11	73	21	0 92	70	June 1	=	5 92	do passenger ferry, Toronto and Island.
Emily May	Barrie	ор	do 14	362	228	14 48	œ	July	- 	22 48	Paddle, passenger, Lake Simcoe.
Simcoe	Gravenhurst	ф ор	do 15	76	15	1 04	10	do 1	12 -	6 04	Screw, tug, Lake of Muskoka.
Wenonah	do	ф ор	do 15	179	113	1 16	80	elo E	12 1	16 16	Paddle, passenger, Lakes of Muskoka.
Rosseau	do	••••• ор	do 16	- 22	35	2 12	10	do 1	12	7 12	Screw, passenger and tug, do
Nipissing	do	ф ор	do 16	243	153	9 72	60	go go	12 1	17 72	Paddle, passenger, do
Northern Port Sydney	Port Sydney	ф	do 17	86	63	3 96	2	qo	<u> </u>	96 8	Paddle, passenger, Pert Sydney and Hoodstown.
Helena Baysville	Baysville	ф	do 18	13	on	0 52	10	June	32	5 52	Screw, passenger, Lake of Bays.
F. B. Maxwell Toronto	Toronto	go	do 22	338	177	13 56	80	e	21 21	99	Paddle, do Toronto and Lorne Park.
Bssex Windsor	Windsor	Benson	do 24	141	8	88	တ	April 3	21	13 68	Paddle, passenger and freight, Dresden and New Baltimore.
Toronto Belle : Toronto	Toronto	Douglass	do 26	11	= =	89 0	10	July	-	89 2	Screw, passenger and tug, Toronto and Humber.
Starling	 Hamilton	Kitson	do 28	12	∞	0 48	70	do		2 48	Screw, pass'ger, ferry, Burlington Bay.
R. B. Haves Wanbaushene Routledge	Waubaushene	Routled ge	do 29	18	12	0 76	10	April 1	19 -	8 76	Screw, tug, Waubaushene and shores.

do Parry Sound.	Screw, passenger and tug, Penetan- guishene and Muskoka.	Screw, tug, Victoria Harb'r & shores.	do tug, Midland Mills.	do yacht, Waubaushene & shores.	do tug, Penetanguishene & shores.	do passenger, Toronto and Island.	do tug, Sable River and shores.	do harbour tug, Sable River.	do do Saugeen.	do do Kincardine.	do freight and tug, Kincardine and shore.	do passenger and tug, Muskoka Mills and Penetanguishene.	do tug, Collingwood, dredging.	do do do and Notta- wassaga.	do freight and passenger, Colling-wood and Parry Sound.	do tug, Lake Muskoka.	do do do	do do Lake Simcoe.	do do do	do passenger, Thames River.	Paddle do do
5 81	5 44	6 37	88	11 28	09 9	6 52	2 86	5 20	5 20	80 9	00 6	6 20	6 20	5 44	18 76	5 16	2 08	91 9	1 56	00 9	6 16
29 1	27	14	rC)	19	16	10	31	9	9	9	-	13	10	13	4	21	25	22	22	98	30
5 June	April	June	qo	April	Aug.	July	ф	qo	qo	qo	qo	op	qo	op _	May	June	qo	de	do	qo	qo
70	10	22	20	10	20	מי	20	10 	10	10	ю.	10	10	ro.	6 0	5	20	تد 	70	م ــــــــــــــــــــــــــــــــــــ	10
0 81	0 44	1 37	1 88	1 28	09 0	1 52	0 86	0.20	0 30	1 08	4 00	1 20	1 20	0 44	10 76	0 16	0 08	1 76	2 56	1 00	1 16
13	7	17	28	10	10	12	14	4	က	18	63	20	20	P-	179	63	п	29	43	7	56
20	11	88	47	15	15	37	21	4	10	27	100	30	29	10	208	4	~	43	8	6	41
59	29	98	30	30	30	ന	9	9	ဗ	~	~	13	13	13	14	16	16	19	19	13	77
op	ф	do	do	q o	ф	July	do	do	do	qo	op g	op -	ор	ę G	qo	qo	qo	ච	qo	qo	qo
	:		:	ì			Flemming									8		•		:	
op	qo	de	qo	qo	qo	Douglass	Flemmir	op	qo	Brownell	op	Watson	qo	do	op	Douglass	qo	op	qo	Reid	ego.
:	:	:	:	:	:	•			•	ne		,00d	:	•	•	urst	:				
do	ф	оþ	đo	do	ф	Toronto	Sangeen	qo	op	Kincardin	qo	Collingw	do	qo	qo	Gravenhurst	do	Bradford	qo	London	qo
Mittie Grew	Kate Pilgrim	Bella Taylor	Minnie Hall	Marshall & Murray	Mary Beck	Luella	Sable Queen Sangeen.	Sarah E. Day	Helen	M. R. King	Georgiana	TenderCollingwood	R. B. McPherson	Ben Milwood	Maganettawan	Hocksock	Pinafore	Isabella	Victoria	Admiral	Forest City

								=										==
31st December, 1880—West Ontario, &c., Division.—Continued.	Remarks.		46 Paddle, passenger, Thames River.	Screw do do	do do ferry, Sarnia & Pt. Huron.	do freight, Lake Ontario.	do tug do	Paddle, passenger, Puslinch Lake.	Screw, tug, Welland Canal.	do de Toronto Harbor.	do passenger and tug, Sutton and Lake Shores.	do passenger and freight, Lake Couchiching.	do tug, St. Clair and Detroit Rivers.	Paddle, car ferry, Amherstburg and Stony Island.	Screw, tug, Georgian Bay.	Paddle, passenger, Saugeen River.	Screw, tug, Saugeen and Pike Bay.	34 00 Screw, freight, Port Dalbousie and Montreal.
Intario	Totals.	e cts.	7 46	\$ 08	6 32	41 12	14 72	2 46	5 62	6 32	5 24	9	7 24	69 68	12 16	5 24	5 40	34 00
gt (Date of Payment.		8	21	23	23	4	63	14	က	18	26	76	11	16	21	10	8
₩	De Payi		June	July	op	ego G	Aug.	go	May	Aug,	Sept.	Мау	April	Aug.	g g	July	မွ	5 Aug.
86	Inspection Fees.	69	<u>ب</u>	*	10	∞	10	, N	20	10	ю	ъ	*	·	10	ص	20	
per, 18	Топпаке Dues.	\$ cts.	2 46	80 0	1 32	33 12	9 72	0 46	9 64	1 32	0 24	1 40	3 24	61 68	7 16	0 24	0 40	39 00
ecem	Registered Ton-		8 5	-	22	540	159	-	10	13	m	23	31	971	126	8	ю	468
ist D	.е Тояпвете.		19	a	32	852	243	11	16	33	10	35	8	1,641	179	ю	00	728
d 31	Date of Inspection		21	22	22	23	27	30	20	9	-	10	13	12	16	33	24	p-4
ande	Da		July	ę	go	မွ	ę	ခု	Aug.	ಕ	g g	go	ş	do	g	g G	op -	Sept.
r the Year ended	Name of Collector.		Reid July	ор	Mathewson	Kitson	Douglass	ф	Collier	Douglass	ор	ф ор	Brownson	Anderson	Watson	Flemming	ф ор	Collier
Inspected fo	Port of Inspection.		:	ф	Sarnia	Hamilton	Toronto Douglass	Puslinch Lake	Welland	Toronto Douglass:	Jackson's Point.	Orillia	Amherstburg	ф ор	Collingwood Watson	Paisley	Saugeen	Port Dalhousie
STEAM VESSELS Inspected for	Name of Vessel.		Princess LouiseLondon.	Dodger	Alfred Wilson	St. Magnus Hamilton	W. T. Robb	City of Guelph Puslinch	Louis Shickluns Welland Collier	J. S. Clark	•	Carriella	Wm. Hall	Transfer	Cherokee.	Water Witch	Mary Anna	Calabria

		100	OI IW.			•	JC 151	3101	ıaı	1. (.he	LO	(111	J	LI.	,					л.	10	01
do tug, Wiarton Bay and shore.	do do Whithy Harbour.	do do Harbours on Lake Ontario	do passenger, Penetanguishene and shores.	do fishing tug, Meaford & Tober-mory.	do fishing tug, Meaford Harbour.	do freight, Montreal and Toledo.	do tug, Detroit & St. Clair Rivers.	Freight propeller.	op op	Tug and excursion boat, Port Stanley.	Tug, Port Stanley.	Lake tug.	Passenger, Dresden and Detroit.	Ferry, Windsor, paddle.	Car ferry do do	River tug.	River barge, freight.	do do	op op	op op	7 08 Detroit River and Harbor, tug.	do do	do do
5 48	2 60	:	90 9	5 68	5 33	19 08	13 48	33 12	35 56	7 80	6 12	27 32	15 76	14 80	56 40	9 73	8 24	8 00	9 20	10 40	7 08	9	6 72
7	63		63	28	28	13	19	22	8	20	20	53	က	က	က	82	-	OS.	23	64	1 24	77	24
Sept.	0et.	:	June	op .	Sept.	Oct.	April	do	do	đ	go	g o	June	May	July	April	Oct.	June	do	do	March	do	qo
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0 48	09 0	:	1 06	0 68	0 32	14 08	8 48	25 12	27 56	2 80	1 12	22 32	7 76	6 80	48 40	4 72	3 24	3 00	4 20	5 40	2 08	1 80	1 72
9	10	13	13	16	2	227	139	395	439	88	14	393	123	116	745	39	55	28	11	22	32	78	53
111	14	32	36	20	-	376	212	628	689	2	78	228	194	170	1210	118	81	12	105	135	29	45	43
60	0%	20	27	4	4	12	29	19	20	8	20	22	28	88	28	_	-	-	~	14	77	24	24
op /	qo	op —	qo	Oct.	qo	ę —	qo	April	đo	qo	qo	op	qo	do	qo	0et.	op	વે	op _	op	March	o g	ф
Stophens	Carson	***************************************	Routledge	Stephens	Sing	Collier	Вгоwпьоп	Collier	ley Finlay	ф ор	ф	Benson	ф	фор	ф ор	ор	ф	ф	ф ор	ор	Anderson	ор	ф ор
nd	Whithy	фор	Penetanguishene	Meaford	ф ор	St. Catharines	•	St. Catharines	Port Stanley	т. ор	ф ор	:	ф ор	ор	do	ор	ф ор	ф ор	ф ор	ф	Wallaceburg	ор	ор
Tommy Wright Owen Sou	Niagara Whitby	Emma Munson	Mystic Penetanguishene Routledge	Reseue	Othello	Georgian St. Catharines Collier	Geo. H. Parker Windsor	Burope St. Catharines Collier April	Alma Munro Port Stanl	Stanley	Colin Munro	Isaac May Windsor	City of Dresden	Поре	Great Western	Jessie	Frank	Га Вейе	Ireland	Ada E. Allen	A. A. Booth Wallaceburg Anderson	Salty Jack	Hector

Passenger, Windsor and Leamington. Passenger, Windsor and Leamington. side wheel. Passenger, Lake Superior, propeller. Lake Superior, propeller. Lake Superior, propeller. STEAM VESSELS Inspected for the Year ended 31st December, 1380—West Ontario, &c., Division—Continued. Sarnia and Wallaceburg. do Chicago and Montreal do Passenger, Chatham and Detroit. оp Car ferry, Windsor and Detroit. Sarnia and Dresden. Detroit River and Harbor, tug. Remarks. Lake freight barge. 15 12 |Lake and river tug. Lake freight barge. ф Lake freight barge ф Wrecking tug. ф qo ф qo မှ qo 16 84 S cts. 36 88 ₩ 32 9 26 22 26 36 528 48 15 22 5 Totals 20 33 2 12 16 20 33 13 1, ន្ត 13 14 64 61 47 33 33 Date of Payment. 8 _ က 0 14 ∞ 22 27 16 7 C) 2522 `21 22 22 A pril April April Sept. July ę ф ф မှ ф g ф ф ф qo Inspection Fees. 00 œ 20 20 œ œ 8 œ 52 38 88 * 32 22 8 8 26 26 8 48 15 522 12 36 3 Tonnage Dues. 24 20 œ 42 33 12 5 56 2 1 12 53 33 33 27 nage. 412 Ξ 364 36 112 186 208 426 137 530 66 955 574 172 111 Registered Ton-613 1,404 1,338 134 197 ,058 8.50 289 318 312 145 253 641 221 221 162 980 684 Gross Tonnage. Inspection 16 13 23 00 33 13 2 15 2 2 2 9 2 Date of Sarnia Mathewson April ą ф $\mathbf{q}_{\mathbf{0}}$ do ф q ф ф qo ф do ф ф qo qo qo Pennefather : Benson Mathewson..... :::::: ******** Name of Collector. сp qo ą ф ф q ф ф qo ဓ ф ф ф Windsor.... Chatham...... Sarnia Inspection Port of ф ф ф ф qo ф qo ф qo qo **q** qo qo Enterprise Transit Tecumseh..... Prince Alfred..... J. W. Steinhoff...... Hiawatha Manitcha Wales Sovereign Erie Belle...... D. R. Van Allen..... J. C. Clark Ontario Bob Hackett..... Name of Vessel. Quebec

Winnie Morton Wenton Windsor Benson	-		376	24 08	80	40 do 19 601 376 24 08 8 do 22 32 08 c	32 08	op op	do	=
		58	89	Not pai	d	1 28Not paid S	:	Screw, tug, Detroit River.	er.	==
Michigan do do Nov. 17 1,464	٧. الإ	1,464	922	922 58 56 8 July	80	July 3	99 99	3 66 56 Car ferry, Great Western Railway.	n Railway.	

STEAM VESSELS not Inspected in the West Ontario, Huron and Superior Division, for the Year ended 31st December, 1880.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gress Tonnage.	Registered Ton-	Топпаке Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Albert Dyment	Sault. Ste. Marie	Ste. Marie Wilson				\$ cts.	€		\$ cts.	Inspection not applied for.
Almeda Covell Toronto Douglas	Toronto	Douglas	i	<u>.</u>	9		_		Laid up.	Laid up.
Belle Meaford Sing	Meaford	Sing.		1	10					Inspection not applied for.
Bouquet Green Toronto Douglas	Toronto	Douglas		196	163	i	1		Laid up.	Laid up.
Clara Barrie	Barrie	ф ор		11	-	•	į		:	Inspection not applied for.
Despatch Goderich Doty	Goderich	Doty		32	23				:	Out of reach of inspection; at Cock-
Fairy Queen Manitoulin Isl'd Douglas	Manitoulin Isl'd.	Douglas		10	10	:	:		:	Out of reach of inspection; at Mani-
J. B. Newman Wallaceburg Fraser	Wallaceburg	Fraser		32	16	:				Count istand. Laid up.
J. S. Noyes Chatham	Chatham	Pennefather	***************************************	æ	22	1 36	10	June 3	8 36	Inspection not applied for.
Little Eva Toronto Douglas	Toronto	Douglas		12	60		•		Laid up.	Laid up.
Lizzie Nicholson Fort William Nicholson	Fort William	Nicholson	` • • • • • • • • • • • • • • • • • • •	77	81	:	•	***************************************	:	qo
Minnie Wade Penetanguishene Routledge	Penetanguishene	Routledge		o o	6	•	ļ		***************************************	Inspection not applied for.
Mystic Windsor Benson	Windsor	Вепвоп		62	34			:		do do
Enterprise Port Di	Port Dalhousie	albousie Collier	•	264	491			Laid up.	:	Laid up.

STEAM VESSELS inspected for the Year ended 31st December, 1880. EAST ONTARIO DIVISION.

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	sá.		mer, Kingston	do	er St. Lawrence	River St. Law-	op	Lawrence.	do	y of Quinté and	ke Ontario.	nt, Lake Ontario	ф	do	y of Quinté and	t, Lake Ontario.
	Remarks.		Paddle, passenger steamer, and Cape Vincent.	qo	Screw, passenger, River St. Lawrence and Cape Vincent.	Paddle, tug and freight, River St. Law- rence and Lake Ontario.	qo	Screw, tug, River St. Lawrence.	do d	Paddle, passenger, Bay of Quinté and River St. Lawrence.	Paddle, passenger, Lake Ontario.	o tug and freight, Lake Ontario and River St. Lawrence.	op .	r, do	Paddle, passenger, Bay of Quinté and River St. Lawrence.	Screw, tug and freight, Lake Ontario.
			Padd a	ф	Screva	Padd	do	Scre		Padd	Padd		ģ	Screw,	Padd	Scre
	Totals.	♣ cts.	18 08	19 72	88 8	17 00	22 40	6 72	9 32	33 52	39 32	13 32	16 92	8 12	45 60	18 84
	Date of tyment.		9 1	27	27	70	70	2	œ	13	16	10	10	21	2	21
	Date of Payment.		March	do	စ် .	April	do	do	đo	do	ф	မှ	do	do	ခွ	do
	Inspection Fees.	•	œ	80	10	10	10	10	70	∞	- 00	10	, 10	10	6 0	10
	Топпаке Dues.	es cts.	10 08	11 72	3 88	12 00	17 40	1 72	4 32	25 52	31 32	8 32	N 92	3 12	87 60	13 84
	Registered Ton- nage.		162	132	8	151	161	23	4	346	493	88	153	37	643	203
	өдвапоТ вготЬ		251	292	96	299	434	43	108	638	782	208	273	11	940	345
	Date of Inspection		h 20	8	88	20	10	4	00	13	14	19	19	21	23	23
	Inspe	<u> </u>	Maro	g	ор —	April	ස	융 -	ф	용	do	စ္	qo	್ಕ 	စု	qo
	Name of Collector.		W. R. Mingaye	qo	· op	do op	qo .	do	do	do d	E. J. W. Burton.	W. R. Mingaye	qo	do do	W. T. Ross	W. R. Mingaye
	Port of Inspection.		Kingston	ор	ор	Garden Island	op	Kingston	op	ор		Garden Island	op op	Kingstou		Kingston
	Name of Versel.		Pierrepont Kingston W. R. Mingaye March	Maud	Geneva	SHiram A. Calvin Garden Is	Chieftain	Frank Perew Kingston	Elfin	Hastings	NorsemanPort Hope	Traveller Garden Island W. R. Mingaye	John A. Macdonald	Glide Kingston	Alexandra Piotou	Active W. R. Mingaye
11	a-6															

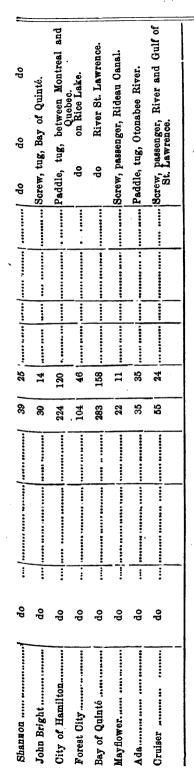
between Montreal and Hamilton. do Montreal and Chicago, do between Tren-ton and Oswego. Paddle, passenger, between Kingston and Cape Vincent. Screw, freight, on Rideau Canal and River. 14 56 Screw, freight, between Quebec and Chicago. freight and tug, Rideau Canal passenger, on River St. Law-rence. passenger, on Rideau Canal. Paddle, passenger, on Lake Ontario. STEAM VESSELS Inspected for the Year ended 31st December, 1879—East Ontario, &cc., Division—Continued. passenger, Bay of Quinté. do tug, River St. Lawrence. ф Screw, tug, Ridean Canal. Remarks. ф ф ф Paddle, op Q ф ф Screw, ф ф cts. 40 04 10 12 40 26 92 8 48 8 4 8 36 89 84 2 13 4 26 2 34 2 9 33 82 Date of Payment. 10 14 2 12 25 24 24 7 2 21 11 22 22 24 April qo ф ф ф ф g G qo May ę မှ ф ф ф do Inspection Fees. œ œ b œ 10 œ 'n cts. 99 5 12 3 84 5 48 18 08 8 2 92 36 4 36 89 58 8 8 Tonnage Dues. 36 8 46 36 32 0 2 nage. 6 307 62 49 576 714 678 403 2 88 14 83 151 32 Registered Ton-1,203 1,169 239 128 452 997 96 23 652 137 134 801 25 Gross Tonnage. Inspection 77 56 56 26 27 13 14 15 81 19 6 2 2 24 24 Date of|Portsmouth. W. R. Mingaye...|April ф ..|May ф ф qo ф g G ф မှ qo မှ q ခု g Picton | Walter T. Ross.. Kingston..... W. R. Mingaye.. :|B. D. Jessup..... W. R. Mingaye Name of Collector. ф ę ф qo ဝှ ခု ф မှ ဝှ ф Kingston..... ********** Inspection. Port of မှ ф ф ф ф ф qo ф ф ф qo Nile Spartan A frica..... H. F. Bronson..... Corsican Varuna..... : D. C. West Name of Vessel. Peerless Metamora..... Watertown.. Algerian James Buckley

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op	n Montreal	of Quinté.	qo	do	qo	renton and	inté.	Belleville and	of Quinté.	op	qo	qo	freight, Rideau Canal and River St. Lawrence.	t. Lawrence.	freight, between Belleville and Uswego.	e Lake and	do	çç	do	qo	Screw, passenger, Clear & Stony Lakes,
qo	Paddle, passenger, between Montreal and Hamilton.	Screw, passenger, on Bay of Quinté.	ф	do	qo	Screw, freight, between Trenton and Oswego.	tug, on Bay of Quinté.		Paddle, passenger, on Bay of Quinté.	qo	qo	do	,Rideau Can Lawrence.	passenger, River St. Lawrence.	, between B. go.	passenger, on Rice Otonabee River.	op do	op	op	op	ger, Clear &
	e, passe d Hami	, passen				freight Osv	tug, o	dle, passenger, Prince Edward.	e, passe	_			freight St.	passen	freight, b Oswego.	passeng Otons	qo	op 6	do	qo	раззеп
op	Paddl	Screw	qo	စ္ 	qo	Screw	qo	Paddle, Prir	Paddl	Screw,	op	do	ф	qo	qo	op	qo	Paddle	qo	do	Screw,
8 84	49 16	12 40	6 44	7 24	5 76	15 36	6 04	88 8	8 96	9 90	2 08	6 48	9 16	12 04	11 08	5 92	5 48	17 60	7 48	8 52	6 24
	31	13	00	00		29	14	6	ო	73	15	14	-		10	27	6	4	10	12	14
5 (April	Мау	April	do	do	qo -	Мау	qo	do	June	op	qo	May	June	qo	ф	Мау	June	qo	qo	qo	qo
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3 84	41 16	4 40	1 44	2 24	94 0	7 36	1 04	88 8	3 96	09 0	2 08	1 48	4 16	4 0.4	80 9	0 92	0 48	09 6	2 48	3 62	1 24
53	586	84	21	37	15	118	12	19 .	26	12	36	26	22	89	96	14	00	174	24	7.0	34
95 /	1,029	109	30	55	18	181	25	97	86	15	49	37	104	101	151	23	11	239	61	87	31
28	31	63	83	. 63	67	67	77	က	က	8	4	4	10	6	10	15	15	15	15	16	16
op	q 0	June	ф	do	άο	do	qo	qo	qo	qo	qo	qo	do	ф	, op	qo	qo	qo	qo	ф	qo
	:	:			i	ster	·· ·	:	:	·	Ross	:	Mingaye	ter	gaye	rry	•	:			
op /	op .	J. Benson	qo	qo	op	Wm. Webster	op	op	qo	op	Walter T. Ross	do	W. R. Min	Wm. Webster	W. R. Mingaye	George Perry	do	фo	J. Stratton	qo	ф
		Picton	nt		:	e		:		•	ke, P.E.	:	1			-			:	ough	J
op	op	Picton	Mill Poi	qo	do	Bellevill	do	qo	qo	do	West La	Picton	Kingsto	qo	Xingstor	Harwoo	qo	qo	qo	eterbo	akefiel
Water Lily	Magnet	Armenia	H. E. Sherwood Mill Point	Deseronto	Pilgrim	Saxon Belleville.	Eliza Bonar	Prince Edward	Mary Ethel	Annie Gilbert,	UticaWest Lake,	Flight	Robert Anglin Kingston	City of Belleville	Norman Kingston.	Fairy Harwood	Maggie Sommerville	Isaac Butts	Golden Eye	Whistle Wing Peterborough	Cruiser Lakefield.
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1			-g				72		٠., 	<u>.</u>			_			_
Remarks.	Paddle, tug, Lindsay Lakes.	do do	Screw, passenger, Bridgeworth and Bobcaygeon.	Paddle, passenger, Lindsay Lakes.	op op	tug do	passenger, Fenelon Falls and Coboconk.	tag, Lindsay Lakes.	passenger, Lindsay and Bob- caygeon.	Screw, passenger, Clear & Stony Lakes.	tug, Port Hope Harbour.	passenger, Bay of Quinté.	do Lake Ontario.	Screw, tug, on Rideau Canal.	passenger, River St. Lawrence.	7 7
		qo	Screw, Bob	Paddle,	မှ	op	op	စု	qo	Screw, F	dot	do do	Paddle	Screw, t	i op	•
Total	\$ cts.	10 16	6 10	7 76	8 20	8 24	12 12	6 10	19 46	2 08	6 16	5 40	31 16	98 9	2 88	
Date of Payment.	16	15	16	12	16	14	36	16	91	5	21	15	53	4	98	
Payr	June	do	op	ę	do	Q	ę	op I	op	July	op _	June	do	qo	April	_
Inapection Fees	⊕ 10	10	70	20	- 2		<u></u>		80		20	10	∞	το.	10	
Топпаде Dues.	\$ cts.	5 16	1 10	2 76	3 20	3 24	4 12	1 10	11 46	0 08	1 16	0 40	23 16	1 36	2 88	
Registered Ton nage.	43	104	13	120	20	51	98	17	180		21	. 9	335	23	39	
Стова Топпаке.	69	129	29	191	80	81	103	27	286	63	29	6	579	34	11	
Date of Inspection	e . 17	17	17	17	11	17	18	18	19	21	21	24	53	30	63	_
I lad		- do	- q	в	ор —	op .	ор ——	ф	ф -	- g	우 	- do	· 유	용 	July	_
Name of Collector.	D. Browne Jure									atton	W. Burton	Walter T. Ross	ор	R. Mingaye	do	
ပိ .	D. Bro	qo	0 0	qo	qo	ġo	op ———	qo	qo	J. Str	Б.	Walte		₩. ₩.		
Port of Inspection.	indsay	ф	do	ор	ф	ор	enelon Falls	indsay\	ор	skefield	ort Hope	ingston	icton	ingston	ф ор	
Name of Vessel.	Anglo-SaxonLindsay	Beaubocage	Maple Leaf	Vietoria	Ontario	Mary Ellen	Coboconk Fenelon Falls	Lady Ida Lindsay	Vanderbilt	Tiger J. Stratton	Albert Wright Port Hope E. J. W. Burton.	Silver Spray Kingston	Empress of India Picton	Hiram Easton Kingston	Princess Louise	

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ll op op	op op	do do	op op	do do	do do	do do	do do	do Cornwall & Dundee.	op op	do River St. Lawrence.	op op	Serew, tug, Rideau Canal and River St. Lawrence.	o freight, Rideau Ganal and River St. Lawrence.	o tug, River St. Lawrence.	o passenger, River St. Lawrence.	o tug, Kingston Harbour and River.	passenger, Rideau Canal and River St. Lawrence.	tug, Kingston Harbour and River.	tug, Rideau Canal.	o freight, River St. Lawrence.	w, passenger, Rideau Canal to Montreal
_													в	do	qo	ор	op 	qo	. ф -	op	Screw,
68 4	5 08	5 72	5 16	5 24	13 60	5 36	7 32	5 92	6 80	89 4	5 12	92 9	88 6	7 36	2 60	6 32	2 80	5 84	6 20	5 72	16 52
7	-	10	-	7	1	œ	œ	<u>~</u>	!~	10	~	4	4	16	œ	8	14	24	4	19	1
July	đo	qo	ф	qo	op	do	qo	qo	qo	May	July	May	do	July	do	March	July	qo	May	April	May
2	20	10	'n	10	00	10	10	ю	10	26	10	20	20	70	50	2	10	ت.	10	- <u>-</u>	00
2 89	0 08	0 72	0 16	0 24	2 60	0 36	2 32	0 92	1 80	2 68	0 12	1 56	4 88	2 36	09 0	1 32	08 0	0 84	1 20	0 72	8 52
44	-	12	· ·	4	92	-	4	16	30	92	67	22	93	29	12	19	13	o,	17	12	123
72	-	18	က	20	140	00	28	23	45	99	- es	33	121	65	14	32	19	21	29	18	213
7	1-	~	<u></u>	-	~	- œ	œ	∞	00	6	6	14	16	17	17	22	24	24	20	-	10
op /	do	qo	do	ф	qo	qo	do	qo	ф	qo	qo	op	op	qo	qo ,	do	do	ф	Aug.	qo	đo
		•	•	D. Jesssup	i	Carman		llan	:	, gc	i	R. Mingaye.	i		:	R. Mingaye	i	:	:	- <u>:</u>	
op /	do	qo	qo	H. D. Jes	do		do	А. МасМ	qo	Geo. Eaton	qo	W. R. Mi	qo	H. Carman	qo	W. R. Mi	op.	đo	do	qo	Z. Wilson
		•	:		:	rg H.				:	:		:		:				:		alls
op /	qo	op	qo	Prescott	qo	Morrisbu	qo	Cornwal	qo	Brockvil	qo	Kingston	do	Brockvil	op 🔭	Kingston	qo	qo	qo	qo	Smith's I
Ruby	Victor	Lily Nicholson	Tolford	Florence Prescott	Transit	LorenaMorrisburg	Kureka	A. S. Speery Cornwall A. MacMillan	Princess Louise	John Harris Brockville.	IdaIda	SEdmund Kingston	Кове	Arctic Brockville.	R. Kendrick do	Laly Franklin Kingston	Clara Louise	H. M. Mixer	Elswood	Rover	Olive Zmith's Falls Z. Wilson,

and passenger, Gull River waters. Rideau Canal and River St. Lawrence. and passenger, River St. Lawrence. STEAM VESSELS Inspected for the Year ended 31st December, 1880—East Ontario, &c., Division—Concluded. passenger, Lindsay Lakes. freight, Rideau Canal River St. Lawrence. tug, River St. Lawrence. Screw, passenger, Rideau Bay River St. Lawrence. Paddle, passenger, Rideau Canal. ф passenger, Rice Lake. 7 40 |Paddle, tug, Mississippi Lake. ф ф tug, Rideau Canal. Remarks. ф freight do ф tug, l tug Screw, ф ф ф ф ф မှ ခွ ф ф cts. 40 5 56 6 12 5 17 9 9 64 20 Date of Payment. 16 -16 24 15 23 Sept. Sept. April June ф 10 0 inspection Fees. 40 0 17 1 00 40 26 0 64 Топпаке Dues. 9 nage, 88 103 က ~ 175 11 82 49 2 Ξ 2 Registered Ton-160 24 8 82 143 16 Z 252 88 20 Стоза Топпаge. 21 [nspection 2 12 19 88 Date of D. Brown.....Sept. Carleton Place ... | Z. Wilson. | Aug. ф ф ф qo ф W. R. Mingaye ... W. R. Mingaye... -----Running but not inspected...... of Collector. Not inspected.... ф фo ф ф Kingston. Water Witch|Lindsay..... Kingston..... Minden Port of Inspection. ф ф မှ ခု ф ф ф ф Enterprise 88"--99 Eleanor. Adventure Stranger Alert Peterson's Ferry City of Kingston...... Grenville.. Marquis of Lorne...... Name of Vessel. Welshman J. H. Whitney



IOSEPH TAYLOR, Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1880.

MONTREAL DIVISION.

Remarks,		Screw, tug, Montreal Harbor.	Centre-wheel, passenger, Montreal and La Tortue.	Screw, freight, Montreal and Chicago.	Side-wheel, tug do Ottawa.	do do Ottawa and Chambly.	Screw, tug, Montreal Harbor.	do do do and Cornwall.	Side-wheel, tug, Lachine and Carillon.	Elevating grain, Montreal Harbor.	op op	do do	do do	op op.	do do	op op	op op
Totals.	S cts.	7 12	14 88	30 04	12 76	13 24	09 9	6 72	10 00	11 60	11 88	11 08	12 52	11 04	11 80	11 80	12 12
Date of Payment.		June 10	Ang. 6		May 15	do 15	June 10	Мау 3	July 19	June 8	do 8	do 8	do 8	do 8	qo 8	do 8	do 8
Inspection Fees.	₩	20	8	٠.	8	10	ت	20	5.	20	10	10	20	10	20	20	10
Топпаке Dues.	& cts.	2 12	88 9	25 04	7 76	8 24	1 60	1 72	2 00	09 9	6 88	80 9	7 52	6 04	08 9	6 80	7 12
Registered Ton- nage.		78	109	396	110	211	22	29	78	102	104	18	118	06	101	104	112
Gross Tonnage.		53	172	626	194	206	4	43	125	165	172	152	188	161	170	170	178
Date of Inspection		April 20	do 20	do• 20	do 24	do 24	do 27	do 27	do 27	do 28	do 28	do 28	do 28	do 28	do 28	do 28	do 28
Name of Collector.		W. B. Simpson April	op		W. B. Simpson	do	m op	op	··· op	ор	ор	op	op	op	op	ор	op
Port of Inspection.		Montreal	ф ор	ф	Lachine	ф ор	Montreal	ф	Aurora Lachine	Montreal	ф	ф ор	do	do	ор	do	ф ор
ssel.										No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
Name of Vessel.		Georgians	St. Lambert	Argyle	Albert	& Vermont.	Calumet	Joe Mac	Aurora	Grain Elevator No. 1 Montreal	qo	ф	qo	đ	do	qo	qo

													`		•						
do do	op op	op op	op op	Screw, freight and passenger, Montreal and Gulf ports.	Side-wheel, tug, Montreal and Chambiy.	Screw, tug, Ottawa and Chambly.	do do Lachine Canal.	Elevating grain, Montreal Harbor.	Side-wheel,passenger do & Longueuil.	do do excursions.	Screw, tug, Ottawa and Grenville.	do freight, Ottawa and Lake Champlain.	do freight, Ottawa & Montreal.	Side-wheel, passenger, Montreal and Longueuil.	Centre-wheel, tug, Montreal & Ottawa	Screw, tug, Montreal and Ottawa.	Side-wheel, tug, Ottawa and Lake Champlain.	Side-wheel, tug, Ottawa & Montreal.	do do do Lake Champlain	Screw, tug do do	Side-wheel, passenger, Montreal and Cornwall.
11 88	11 92	11 76	12 32	34 20 Sc	17 20 Sic	96 9	6 12	8 32 EI	18 72 Sid	22 64	7 40 Sc	8 40	10 32	20 68 Sic	10 92 Ce	6 76 Sc	10 12 Sic	10 56 Sid	10 84	8 56 Sc	22 20 Sic
8	80	®		29	15	10	20	26	15	15	15	30	10	15	_	16	15	97	24	4	4
qo	ф	ф	qo	April	May	June	do	April	May	do	April	qo	May	qo	do	June	April	Мау	April	May	June
10	20	10	10	<u></u>		20	10	- 02	80	80	20	2	2	o o	20	بر 	20	20	20	- <u>-</u> 2-	<u> </u>
88 9	6 92	92 9	7 32	26 20	12 20	1 96	1 12	3 32	10 72	14 64	2 40	3 40	5 32	12 68	5 92	1 76	5 12	5 56	5 84	3 56	14 20
901	101	103	114	209	191	31	18	49	166	220	24	48	87	119	101	30	61	74	89	26	198
172	173	169	183	929	305	49	78	83	368	366	09	85	133	317	148	44	128	139	146	68	355
78	28	82	,83	53	53	စ္က	30	98	30	98	-	-	-	က		10	9	9	9	۲-	-4
op ,	ф	go	qo	qo	qo	qo	qo	qo	do	ф	May	ор	op	qo	qo	qo	qo	do	qo	qo	do
/ op /-	т ор	op	op q	op	ор	··· op	op	op	т ор	e	Wilson	ф ор	ф ф	W. B. Simpson	ор	··· op	Z. Wilson	W. B. Simpson	Z. Wilson	ор	W. B. Simpson
do	ф	ф ор	do	ф ор	op	op	do	do	onguenil	do	fontreal	ор	qo	ongueuil	Montreal	ф	ор	ф	ф ор	ф ор	op
do No. 9	do No. 10	do No. 11	do No. 12	Valetta	Норе	William	Messenger	Grain Elevator No. 1	Montarville Longuenil	L'Assomption	Engineer Montreal Z.	Arctic	Gatineau	Longueuil Longueuil	Milford	Express	Carillon	Matilda	Canada,	Caroline	Manitobal

21 24 Side-wheel, passenger, Montreal and Beauharnois. Side-wheel, tug, Montreal and Father Point. and and Lake Ottawa and Lake Side-wheel, passenger, Montreal and Cornwall. Side-wheel, passenger, Montreal and Screw, tug, Montreal and Chambly. Screw, tug, Montreal and Kingston. Side-wheel, passenger, Montreal Carillon. Side-wheel, passenger, Montreal and St. Helen's Island. Screw, tug, Montreal and Ottawa. qo Montreal and Ottawa. Ottawa and STEAM VESSELS Inspected for the Year ended 31st December, 1880—Montreal Division.—Continued. Screw, tug, Lachine Canal. Remarks. do Side-wheel, tug, Ohamplain. Screw, freight, Champlain, ф ф cts. 11 52 96 7 24 Totals. 89 96 53 52 40 12 99 16 2 36 8 8 22 9 10 8 21 18 3 Date of Payment. Ξ Ξ S 2 -4 28 10 53 7 13 絽 2 Sept. April April June June June May May May ф May ф မှ œ Inspection Fees. 10 20 20 b œ œ 13 24 32 12 89 96 22 96 22 20 22 36 24 20 8 16 Топпаке Dues. 9 45 0 91 ន្ត 33 2 nage. 178 ဆ 31 101 88 890 306 36 471 8 246 26 154 331 Registered Ton-17 49 163 1138 405 331 124 803 26 623 114 619 263 20 ЭдвипоТ гвот В Inspection œ 00 œ 2 2 Ξ 12 13 14 12 Ξ Ξ 14 14 Date of W. B. Simpson...|May ф ф ф ဝှ ф ဝှ ą ф ф စု ф ф ф : : | W. B. Simpson...| Z. Wilson Collector. Name of ф ф ф ф ф 9 . op မှ ę ခ့ Beauharnois.....|Montreal Longueuil **** Port of of Inspection, ф ф go. ф ę ф ф ф ф ф ဝှ Oharlotte...... Champion.... C. W. Dennis...... St. Francis...... Beaver A. Cantin Bohemian..... Jessie Hall...... Fawn..... Princess Filgate. Name of Vessel. St. George.....

		10					1885	.0116		Lar	Je I.g		NO.	. I.	1.)				Α.	19	or
Screw, freight, Montreal and Kingston.	Screw, tug, Lachine Canal.	Side-wheel, tug, Montreal and Ottawa.	Screw, tug do do	Side-wheel, passenger, Montreal and Quebec.	Side-wheel, passenger, Lachine and Caughnawaga.	Side-wheel, passenger, Montreal and Carillon.	Screw, tug, Montreal and Bout de L'Isle	Side-wheel, freight, Montreal & Ottawa	Screw, tug, Montreal Harbour.	do Ottawa & Lake Champlain.	op op op	Side-wheel, tug, Montreal, Ottawa.	do passenger do Hamilton.	do do Quebec.	do do Hamilton.	Screw, freight do Chicago.	Side-wheel, passenger, Sherbrooke and Brompton.	do do Montreal a n d Bay of Quinté.	do tug, Ottawa, Lake Cham- plain.	do passenger, Chatts Lake.	Screw, tug, Chatts Lake.
7 92	5 80	11 24	8 60	98 38	16 72	32 40	99 9	15 20	6 48	8 28	6.84	10 60	50 44	21 44	49 32	30 04	6 52	34 04	96 6	18 96	12 08
20	11	m	19	20	11	19	Ξ	4	10	4	4	22	4	-	4	11	18	12	19	က	က
op	e P	June	May	qo	Nov.	May	Sept.	May	June	May	qo	May	June	g g	မွ	မှ	qo	Aug.	June	qo	do
2	20	20	10	∞ ·		∞	٠.	20	ນ	, or	20	10	œ	∞	∞	2	70	70	10	80	20
2 92	0 80	6 24	3 60	80 36	8 72	24 40	1 56	10 20	1 48	3 28	1 84	5 60	42 44	13 44	41 32	25 04	1 52	26 04	4 96	10 96	80 4
46	14	06	56	1167	137	344	21	146	13	47	15	88	614	180	592	393	24	363	23	172	86
73	20	156	06	2003	218	610	33	255	37	83	46	140	1,061	336	1,033	626	88	651	121	274	177
15	18	18	13	20	21	12	25	25	28	53	31	67	4	٠ <u>٠</u>	~	15	17	18	21	23	23
op /	qo	qo	qo	qo	do	do	qo	qo	qo	qo	qo	June	qo	qo	go,	qo	ф	qo	do	qo	qo
op	ор	т ор	Z. Wilson	G. Peltier	W. B. Simpson	ор	do	Z. Wilson	W. B. Simpson	Z. Wilson	ор	W. B. Simpson June	op	op	т ор	John B. Fleming	C. E. Perry	W. B. Simpson	т ор	Z. Wilson	ор
op /	ор /	ф ф	ор	Sorel	Lachine	ф	Montreal	ор	ор	ор	ор	ф ор	ор	ф ор	op	ор	Sherbrooke	Montreal	ор	Sand Point Z.	ор
Herald	Tim. Doyle	Owens.	Mink	Canada Sorel	Portneuf Lachine	Prince of Wales	C. J. Brydges Montreal	Louise	W. C. Francis	Agnes McMahon	LDandy	Cherry	Corinthian	Meteor	Passport	Shickluna	Enterprise Sherbrooke	Queen Victoria Montreal	J. B. A	Alliance Sand Point	A. H. Baldwin

do Pembroke, Joachims. Screw, tug, Ottawa, Lake Champlain. Grenville Gatineau. Screw, passenger, Pembroke, Island. do Ottawa, Grenville. ф Dechesne Lake. do Chapeau, Bryson. passenger, Ottawa, Hull. tug, Allumette Lake. STEAM VESSELS Inspected for the Year ended 31st December, 1880—Montreal, &c., Division—Continued. 5 68 Screw, passenger, Chats Lake. ф ф မှ g g စ္ ф ф ф Remarks. g do passenger Side-wheel, tug qo ф ф ф ф tug Side-wheel Side-wheel Side-wheel ф ф ခု q မှ ę ф 52 88 52 80 92 4 48 26 4 Totals. 32 22 88 얾 2 88 89 8 2 9 13 12 20 13 24 8 12 ខ្ល Date of Payment. ന m က 24 24 16 27 13 8 17 33 23 22 June June 5 June July do. ф ခု ę de ф ф ခု 10 10 20 ເດ œ Inspection Fees. 89 0 92 5232 48 92 52 28 56 44 83 4 52 32 68 89 8 8 Tonnage Dues. 2 12 16 33 2 **πមជី**6• 12 153 601 108 22 3 197 102 10 33 7 257 144 23 Registered Ton-308 413 333 202 95 188 162 282 14 36 282 26 269 94 Стова Топпаве. Date of Inspection 25 28 28 28 88 33 7 24 24 25 25 26 92 26 24 27 83 23 St. Anne..... |Sand Point | June ф qo ф ф ф ф ф $_{\rm qo}$ ф ф ф မှ \mathbf{q}_0 qo qo ob |.....|Z. Wilson.....| do မှ Pembroke Joseph Warren... W. B. Simpson... Name of Collector. ф ф do qo Aylmer..... Z. Allumette Lake. Quio Sir John Young...... Chapeau..... Inspection. Port of Pembroke do Ottawa ဝှင ф ф ဝှ $\mathbf{q}_{\mathbf{0}}$ ф do ф Pembroke Resolute. Aylmer. John Egan..... Jessie Cassels...... Chaudière Name of Vessel. C. O'Kelly... Monitor

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Grenville.	Montreal.	Grenville.	qo	Hull.	Buckingham, above.	r, L'Orignal,	Hawkesbury,	Carillon, Point	rements.	ttawa.	Ottawa, Lake Champlain.	Montreal.	do Cornwall	Screw, tug, Ottawa, Lake Champlain.	Montreal, Lake St. Louis.	qo	Valleysield, Côteau	Side-wheel, pas enger, Massena, Dundee	Screw, tug, Galop Rapids improvements.	Anne.	Side-wheel, tug, Ottawa, Lake Cham-
op	qo	qo	do	ф	Buckin	passenger,	senger,) op	l impro	Montreal, Ottawa.	ама, La	do Mo	enger,	wa, Lak	treal, La	0	, Valley ng.	enger, M	Rapids	real, St.	Ottawa
do	tug	qo	sel do	op	qo		-wheel, pas Calumet.		ug, cana	do Mon	do Ott	freight, c	el, pass	ug, Otta	do Mon	do do	passenger, V Landing.	eel, pas	ıg,Galop	do Montreal, St. Anne.	eel, tug, 1.
do	Screw,	qo	Side-wheel	Screw	qo	Centre-wheel, Calumet.	Side-wheel, passenger, Calumet.	Centre-wheel, Fortune.	Screw, tug, canal improvements.	qo	qo	do fr	Side-wheel, passenger,	Screw, t	do d	do d	do pa	Side-wh	Screw, to	qo q	Side-whee plain.
49 56	5 76	96 9	12 64	2 68	5 36	2 60	96 4	80 9	7 48	6 20	7 64	11 00	20 56	9 26	2 88	6 72	9 20	8 00	7 84		8 04
19	56	14	30	0	- 00	G	12	4	18	20	26	20	က	16	17	16	29	- 58	18		25
qo	Мау	qo	June	Aug.	Nov.	July	Aug.	June	Aug.	June	qo	May	Ang.	July	qo	qo	qo	April	Aug.		May
8	ю	20	20	20	10	70	تو	70	20	40	20	20	∞	2	20	٠.	25	70	5	1	20
41 56	94 0	96 0	7 64	89 0	0 36	09 0	2 96	1 08	2 48	1 20	2 64	9	12 56	4 56	0 88	1 72	4 20	3 00	2 84		3 04
929	13	16	112	11	9	10	43	18	33	14	33	103	125	63	15	30	64	47	40	4	31
1,039	19.	24	191	17	G	15	74	27	62	30	99	150	314	114	22	43	105	75	11	9	92
28	73	29	29	30	99		63	61	C4	2	70	າວ	13	16	17	27	28	28	13	16	17
op	do	do	do	qo	qo	July	qo	qo	qo	qo	do	qo	qo	đo	do	do	qo	qo	Aug.	qo	qo
op /	ор	ф ор	ф ор	W. B. Simpson	ф ор	т ор	ор	op	··· op	op	Z. Wilson	ор	W. B. Simpson	op	т ор	••• ор	op	ор	ор		Z. Wilson
op /	qo	ф ор	ф ор	Hull	Buckingham	L'Orignal	Hawkesbury	Carillon	ор	Montreal	ор	ор	ор	ор	ор	ф ф	Valleyfield	Cornwall	Mon treal	ф ор	doZ
Peerless	Jchn Heney	John McDonald	Mac	Bonito Hull	Julia	Cultivateur, L'Orignal	Nymph	Nil Desperandum	Ivanhoe	Zebra Montreal	Shickluna	Portsmouth	Maid of Canada	Cariboo	Eureks	Plover	C. Anderson	Сото		Aries	IT

STEAM VESSELS Inspected for the Year ended 31st December, 1880—Montreal Division—Continued.

Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Ton- nage.	Топпаке Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
Mark Twain Montreal	Montreal	W. B. Simpson Aug.	Aug. 25	113	76	\$ cts.	⊕ 10	Aug. 25	\$ cts.	Screw, freight, Ottawa, Montreal.
M. P. Davis Lachine	Lachine	ор	Sept. 25	11	1~	0 44	2	June 19	5 44	do tug, Lachine Canal improvements
Mattawan Deux Rivière	Deux Rivière	Z. Wilson	9 op	22	15	88 0	10	do 2	2 88	do passenger, Deux Rivière, Mattawa
Boston Montrea	Montreal	W. B. SimpsonOct.	Oct. 12	150	78	00 9	35	Oct. 12	11 00	Side-wheel, tug, Montreal, Ottawa Riv.
Walter B Pembroke Z. Wilson	Pembroke	Z. Wilson	do 27	33	22	1 32	20	Nov. 12	6 32	Screw, passenger, Pembroke, Joachims.
STEAM V	ESSELS not I	nspected in t	he Mont	real I)ivisi	on, for	the	Year e	nded 3	STEAM VESSELS not Inspected in the Montreal Division, for the Year ended 31st December, 1880.
Rhoda May				17	12					
Manxman				74	46		•		_	
Ripple				16	01		į		<u> </u>	
Jane				110	54				' :	
Edie May				6	70				:	
Mayflower			*	23	15	:	•			
National				121	92				•	
Dagmar				405	245	:				
				2	г		•	:		
James Worthington	•••••••••••••••••••••••••••••••••••••••			31	21					

26 19 12 88 83 35 A. O. Thayer...... Philip Becker..... John Hickler.....

JOHN BUNGESS,
Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1880. THREE RIVERS DIVISION.

	Remarks.		Screw, tug, dredge tender	op op	Side-wheel, passenger, Sorel and St. Francis.	Screw, tug, dredge tender.	do do	op op	op op	Screw, freight and passenger, Chicago	Screw, tug, dredge tender.	Side-wheel, passenger, and tug, bueys and lights.	Side-wheel, tug, Ottawa and Chambly.	do passenger, Chambly and Montreal.	do passenger, Three Rivers and Montreal.	Screw, tug, dredge tender.
	Total.	S cts.	7 20	7 20	14 32	9 80	7 80	9 80	6 72	32 48	8 64	14 52	11 80	20 28	35 76	98 9
	Date of Payment.		April 12	do 12	do 9	do 15	do 15	do 15	01 op	do 20	do 19	do 19	do 18	do 20	do 20	do 19
	Inspection Fees.	€	2 Y	م		- <u>-</u>	. <u></u>	5	- 20		20	- -	<u>و</u> م	- 7 8	 -	- Q
	Топпаке Dues.	\$ cts.	2 20	2 20	6 32	1 80	2 80	1 80	1 72	24 48	3 64	6 62	08 9	12 28	27 76	1 36
	Registered Ton- nage.		37	37	68	17	21	27	29	389	21	103	66	177	437	23
	Стова Топпаке.		22	55	158	45	70	45	43	613	91	163	170	307	694	8
	Date of Inspection		April 9	6 op	do 10	do 14	0 14	0 14	0 15	0 15	0 16	0 16	91 0	61 0	61 0	61 0
Ì	<u>I</u>		<u> </u>				do	о р 	do	1.— do	- do	do	- do	용 :	-g 	ф —
	Name of Collector.		G. Peltier			•	:		•		G. Peltier.				:	:
	င်		G. Pel	qo	- do	do	ор —	qo	op -	J. Cox	G. Pel	op —	do	qo	qo	op
	Port of Inspection.				ор				ор		ф ор					ф
	=		Sore	စု		g -	do	g g	စု	op		qo	do	ф	op	do
	Name of Vessel.		St. John Sorel	St. Francis	Sorel	Delisle	SJohn Pratt	St. Paul	St. Peter	Mattawan	St. James	John Young	British America	Hero	Cultivateur	St. Louis

44	V icto	oria.			pess	iona	P	aper	s (110.	11.)				h		1001
.; Montreal and	Montreal and Chambly.	Montreal and Terrebonne	Montreal and Berthier.	RIV. du Loup	Montreal and Three Rivers	tug and passenger, Montreal and Quebec.	nder.	r and freight,	Screw, tug, Three Rivers and Chambly.	Side-wheel, passenger and tug, Cham- bly and Montreal.	passenger, Montreal and	passenger, Chicago	treal and Father Point.	tug, Sorel and Chambly.	Chambly & Montreal.	nder.	er and freight,
passengei	qo	qo	op	qo	qo	ng and passe and Quebec.	dredgečte	wheel, passenger Sorel and Berthier.	Three Rive	-wheel, passenger bly and Montreal.	passenge	ht and pa bec.	ă,	tug, Sore	do Cha	dredge tender.	-wheel, passenger and Maskinongé and Sorel.
Side-wheel, passenger,	op	qo	qo	qo	op	do t	Screw, tug, dredge tender.	Side-wheel, Sorel an	Screw, tug,	Side-wheel, bly and	Side-wheel, Quebec.	Screw, freight and and and and	Side-wheel,	9	qo	Screw, tug,	Side-wheel, Maskino
96 44	33 88	32 04	52 04	14 92	76 40	20 44	08 9	16 56	6 20	22 64	130 24	32 16	31 60	1 08	13 12	8 48	7 04
20	20	20	30	98	20	15	15	24	-	78	8	20	8	26	82	29	က
op	qo	do	qo	do	đo	May	April	qo	May	June	April	Ģ	qo	May	June	April	May
8	∞	∞	80	00	00	•	20	∞	20	®	<u></u>	8	®	10	10	10	10
88 44	25 88	24 04	44 04	6 92	68 40	12 44	1 80	8 26	1 20	14 64	122 24	24 16	23 60	2 08	8 12	3 48	2 04
1,279	394	361	671	16	1,047	143	23	129	21	300	1,794	384	329	88	6	69	78
20 2,211 1,279	647	601	1,101	173	1,710	311	46	214	30	366	3,056	604	590	23	203	87	150
20	20	20	20	21	22	22	23	23	23	24	24	36	26	27	27	23	m
op	qo	do	do	ф	do	qo	do	qo	qo	qo	qo	qo	qo	qo	do	qo	May
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op /	qo	qo	qo	qo	op O	qo	qo	ф	đo	op	qo	C. Cox	ф	G. Peltier	9	ච	đo
						:								5			
op	qo	go	g _o	do.	qo	đo	do	qo	ę	op	op	qo	qo	do	qo	ę	မှာ
Montreal	Chambly	Terrebonne	Berthier	Rivière du Loup	Trois Rivières	New York	Minnie F. Parsons	Fire Fly	Marie	Star	Orebec	Nipigon	Rocket	Oity	John	John Brown	Maskinongé,
	1	1 a-	7														

STEAM VESSELS Inspected for the Year ending 31st December, 1880—Three Rivers Division.—Concluded.	Remarks.	Centre-wheel, tug, St. Francis & Sorel.	do passenger, L'Assomption and Montreal.	do passenger, L'Assomption and Bout de L'11e.	do tug, Charlemagne & Sorel.	do do Charlemagne an d L'Assomptien.	do. passenger, Boucherville and Long Point.	Screw, tug, Montreal and Quebec.	Centre-wheel, passenger and tug, Batiscan and St. Grégoire.	Side-wheel, tug, Three Rivers.	Centre-wheel, tug, Three Rivers and Quebec.	Side-wheel, passenger, Three Rivers and St. Angele.	do passenger, Three Rivers and St. Grégoire,	do passenger, Hatley and Ap- flats.
Rive	Totals.	\$ cts.	2 76	2 22	2 60	2 80	6 44	89 9	6 20	6 32	2 00	14 84	8 80	8 00
-Three	Date of Payment.	May 5	Aug. 4	June 24	do 16	Aug. 11	d o 10	June 24	July 6	do 8	do 29	8 op	8 00	do 13
-088	Inspection Fees.	29	20	, p	10	29	10	20	<u> </u>	10	10			20
nber, 1	Топпаке Dues.	2 80	2 76	0 52	09 0	080	1 44	1 68	1 20	1 32	8 00	6 84	8	3 00
Decen	Registered Ton- nage,	77	88	6	=======================================	13	24	15	19	22	31	80	99	
31st	Gross Tonnage.	145	69	13	15	20	36	42	30	33	20	171	06	22
nding	Date of Inspection	May 7	June 22	do 24	do 24	do 25	do 26	do 26	July 5	g op	9 op	d o 7	do 7	do 12
for the Year	Name of Collector. In	G. Peltier	do	р ор	ф ор	do	ф ор	ф ор	do	A. A. S. Michel	Peltier	ф ор	р ор	S. Chennel
irs Inspected	Port of Inspection.	:	ор	Charlemagne	ф ор	do	Boucherville	Charlemagne	Batiscan	St. Maurice	doG.	Three Rivers	op	North Hatley
STEAM VESSE	Name of Vessel.	Abenakis Sorel	L' Assomption.	L'OutardOutard	Charlemagne	Mouche à Feu	Boucherville Boucherville	Victory Charlema	Oircy Batiscan	Arthur St. Maurice	L. Tugue	BourgeoisThree Riv	Laval	The Valley North Hatley C.

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al violotiu.	Desironal Papers (110. 12.)	22. 10
5 38 Screw, passenger, Newport & Magog. 5 48 do do do do. 5 2 8 Side-wheel, passenger, Lake Magog. 2 74 do passenger, Newport and Magog. 6 52 Gentre-wheel, ferry, Georgeville and Bolton. 6 00 do passenger, Rivière du Loup and Sorel.	Side-wheel, Screw, passe do do do A AVIER	
32 28 32 28 12 74 6 52	5 20	
10 10 10 10	Aug. 7 Sept. 9 do 9	
op op op	Aug. 7 Sept. 9 do 9	
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0 38 0 48 24 28 4 74 1 52 1 00	0	
62 62 17 17	20 19 19 726 10	
9 12 607 118 38 25	28 28 5 1,•64 1,•64	
13 14 14 6	7 6 6 W	
do do do do	do 7 Sept. 5 9 do 9 STRAME	
do do do	do do	
Gracie Newport do	St. Mauri	
Gracie Newport Lady of the Lake Mountain Maid	St. Maurice	

STEAM VESSELS Inspected for the Year ended 31st December, 1880.

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Gross Tonnage. Registered Ton- nage. Tonnage Dnes. Inspection Fees. Inspection Fees.	\$ cts. \$ cts. 7 10 64 Screw, tug, Montreal and Gulf.	218 135 8 72 8 April 24 16 72 do passenger and freight, Montreal and Natasquan.	116 99 5 84 8 do 24 13 84 do passenger and freight, Quebec and Campbelltown, N.B.	185 90 7 40 5 May 3 12 40 do tug, Montreal and Gulf.	323 81 12 92 5 do 3 17 92 Side-wheel tug, Montreal and Gulf.	807 524 32 28 8 do 5 40 28 Screw, freight, and 30 passenger, Mon- treal and Gulf Port.	37 24 1 48 5 do 6 6 48 do Quebee Harbour tug.	1077 652 43 08 8 do 10 51 08 Side-wheel, passenger, Quebec and Chicoutimi.	727 491 29 08 8 do 10 37 08 Side-wheel, passenger, Montreal and Picton, N.S.	8 { 5 0 32 5 June 22 5 32 } Screw, Quebec Harbour tug.	255 161 10 20 8 May 10 18 20 Side-wheel ferry, Quebec and Lévis.	162 112 6 48 8 do 10 14 48 Screw, ferry do do	
Name Date of Collector. Inspection	J. W. Dunscomb, April Quebec.	ор	ego	do May	ор ор	ор ор	ор ор	ор ор	do A pril	do May	do April	do May	
Port of Inspection.		Cove,	op op	Lévis	ор	Dinning's boom, Quebec.	Quebec	ор	Pallais Harbour.	Lampson's boom Quebec	Hall's boom, Q	Lévis	-
Name of Vessel.	Admiral D. D. Porter Lévis	Margaretha Stevenson Indian Lévis.	Веатег	Ochampion, No. 1 Lévis	Champion, No. 2 do	Polino Guebec.	C. W. Jonces Quebec	Saguenay	Miramichi Pallais Harbour.	St. Catherine Lampson	South Rall's boom, Q	Prince Edouard Lévia	

=					ı St.		nd of				ž Z	žź		and Dus	d St.	8nd	pec.			
Side-wheel, ferry do do.	Screw, Quebec Harbour tug.	do do	ರೆಂ ರೆಂ	Side-wheel tug, Saguenay River.	de passeager, Quebec and Romuald.	do tug, Montreal and Brandy Pots.	do ferry, Quebee and Island	Screw, Quebec Harbour tug.	Side-wheel, tug, Montreal and Bic.	Screw, Quebec Harbour tug.	Side-wheel, passenger, Quebec and Jean Deschaillon.	Side-wheel, passenger, Quebec and St. Antoine.	Side-wheel, tug, Montreal and Quebec.	Side-wheel, passenger, Quebec a	Side-wheel, passenger, Quebec and St. Ann.	Side-wheel, passenger, Quebec s Berthier.	Side-wheel, tug, Montreal and Quebec.	Screw, tug, Montreal and Gulf,	op op	Screw, Quebec Harbour tug.
23 16	5 88 3	1 36	5 93	23 44	13 08	10 00	12 76	00 4	12 28	2 29	33 93	14 36	11 84	30 40	19 68	15 96	12 08	35 60	10 80	1 40
10	200	14	14	14	14	11	8	22	22	36	27	25	56	20	31	29	56	4	G	36
	do July		P	원 	ę P	육 _	ę P	용	- 무	-	op	op	op	op	ор 	စု	qo	June	g G	May
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15 16	88 0	2 36	0 92	13 44	2 08	9	4 76	2 00	7 28	2 56	25 92	98 9	₹ 8 9	22 40	11 68	1 26	7 08	27 60	2 80	2 40
239	9	70	<u></u>	108	31	 	92	28	. 2 2	29	373	9	101	317	165	112	33	267	8	8
379	22	23	23	168	127	125	119	26	182	79	648	159	171	260	292	199	177	069	145	8
98	80	æ	h 15	11	4	13	10	.00	œ	27	53	11	31	=	15	11	80	<u></u>	O.	15
April	May	qo	March	May	월	ę	g.	do	용 	မှ	ф	9	ę	ę ę	op _	op .	June	op	op	9
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ф	đo	qo	do	qo	9	.	đo	qo	g g	op	qo	ор	đo	qo	qo	qo	do	ф	đo	đo
Quebec	Lévis	ښو م	ор	•р	Quebec	Hall's boom, Q	do do	Lévis	ор	Quebec	do	ор	Lévis	Quebec	ор	Ind'n Cove,Lévis	Quebec	ор	ф ор	ф оф
North	St. Joseph Lévis	Rambler do	Kate do	Sampson	JamesQuebec	Rival Hall's boom,	Maid of Orleans	Flora Lévis	Rhods do	Shannon Quebec	OBjenvenu	St. Antoine	Albion Lévie	Etoile Quebec	Laurentides	Montmagny Ind'n Cove,Lévis	Boston Quebec	Progress	Lake	Mersey

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Division—Co
1 31st December, 1880-Quebec
December,
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Year
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STEAM VESSELS Inspecte
STEAM

Name of Vessel.	Port of Inspection,	Name of Collector.	Date of Inspection	д Стова Топпаде	Registered Ton-	Топпаке Dues.	Inspection Fees.	Date of Payment.		Total	9 Remarks.
				_	<u> </u>	cta.	69		69	čts.	
Contest Quebec		J. W. Dunscomb, June Quebec.	June 14	231	8	• 24	10	Мау 2	26 14	4 24,	14 24, Side-wheel, tug, Montreal and Father Point.
Stormy Pitrel Lévis	Lévis	op	 May 19	=	∞	0 44	10	June 1	12 6	5 44	Screw, Quebec Harbour tug.
St. Croix	do	op	do 22	318	200	12 72	<u></u>	do 1	12 20	72	Side-wheel, passenger, Quebec and St. Croix.
T. H. Nashmith Quebec	Quebec	op	do 10	49	36	1 96	ю.	do 1	71	96 9	Screw, Quebec Harbour tug.
Challenger	do	ф ор	do 12	67	33	2 68	10	do 1	16 -	89 4	op op
Royal	ф ф	do	do 20	260	164	10 40	10	do 1	15 15	40	Side-wheel, tug, Montreal and L'Islet.
Helen	qo	op	June 12	135	76	2 40	ص	do 1	16 10	40	Side-wheel, tug, Montreal and Quebec.
Gatineau	do	op	do 12	175	18	4 00	۵.	do 1	16 15	12 00	op op op
Clyde Campson's Boom	Lampson's Boom Quebec.	op	do 16	3 237	149	• 48	∞	do 1	16 17	48	Side-wheel, passenger, Quebec and St. Jean Pargotis.
Activity	Quebec	qo	May 7	1 15	9	09 0	10	do 1	17 -	09 2	Screw, Quebec Harbour tug.
Aurelia	ф ор	ор	June 10	32	13	1 28	10	do 1	17 (6 28	do do
Azilda	ор	op	April 21	24	14	96 0	10	do 1	17 (96 9	do de
Merrimae	ф ор	do do	May 12	98	56	3 44	20	do 1	. 8	8 44	op op
Rapert Quebec.	Oinning's Boom, Quebec.	op	do 7	250	76	10 00	10	do 2	21 15	8	Side-wheel, tug, Montreal and Bic.
Reindeer	ор	т ор	do 18	127	40	2 08	10	do 2	21 10	10 08	Screw, tug do
Resolute	op	qo	July 22	139	40	5 56	20	do 2	21 10	10 56	do do

=							==													
Screw, Quebec Harbour tug.	do do	do do	do do	do do	Side-wheel, tug, Montreal and Gulf.	Screw, tug do	Side-wheel, Montreal and Bic.	op op [Screw, Quebec Harbour tug.	do do	Side-wheel, passenger, Quebec and St. Nicholas.	Side-wheel, passenger, Quebec and Chicoutini.	Screw, Quebec Harbour tug.	op op	Side-wheel, tug, Montreal and Brandy Pots.	Screw, Quebec Harbour tug.	Side-wheel, tug, Montreal and Quebec.	op op	Serew, tug, Quebec Harbour.	do do
89 9	2 44	5 52	8	7 68	14 32	15 76	11 12	13 00	8 60	20 97	18 48	42 76	7 76	6 40	14 64	5 68	7 16	12 96	5 24	6 44
21	21	22	22	22	23	22	36	36	97	78	87	2		88	c 4	63	က	73	20	~
do	Ģ	qo	qo	đo	do	do	qo	qo	ф	đo	op	July	June	đ	July	do	ф	ф	ф	đo
2	20	10	ю	ю	10	10	10	10	10	10	<u> </u>	00	ю	*0	20	20	10	ю	14	ю
1 68	0 44	0 52	3 40	2 68	9 32	10 76	6 12	8 00	080	0 64	10 48	34 76	2 76	1 40	9 64	0	2 16	1 96	0 24	1 44
92	20	က	*8	98	28	40	96	125	£-	=	165	469	33	18	162	4	\$	120	4	25
43	=======================================	13	82	19	233	369	153	300	15	16	262	808	69	35	241	11	25	199	9	38
23	14	81	Ξ	91	75	27	18	23	13	17	6	11	-	34	91	13	17	33	8	31
	May	ę	ф	June	May	April	Мау	qo	đo	qo	June	qo		April	June	May	မှ	ф	July	qo
T	:	:	·	:	:	:	:	:	:	:	:	-:-	:	-	:	•	:	:	=	:
op l	qo	qo	qo	do	qo	qo	qo	qo	qo	op	qo	đo	do	qo	do	qo	do	့	đo	qo
Quebec	Lampsou's Boom Quebec	Quebec	Hall's Boom, Quebec.	op	т ор	т ор	Lévis	ор	Quebec	Lampson's Boom Quebec	Lévis	Wolf Cove, Que- bec.	Lampson'sboom, Quebec.	Quebec	ор	ф ор	ф ор	ф ор	ф ор	ор
Rover (Quebec	J. R. Souter	Humber	Dauntless Gall's Boom, Quebec.	Margaret	Conqueror, No. 2	Margaret M	Angleses	Hercules	Hope Quebec	RandolphQuebec.	Brothers	St. Lawrence Wolf Cov	L. A. Senecal Lampson'sboom, Quebec.	Victor Quebec	Ranger	Gertie	Maud	Powerful	Lady Forest	H. C. Curtis

Side-wheel, passenger, Quebec and St. Jean Deschaillon. do Montreal and Brandy Side-wheel, tug, Quebec and Montreal. 5 56 |Screw, Quebec Harbour tug. Screw, Quebec Harbour tug. STEAM VESSELS Inspected for the Year ended 31st December, 1880—Quebec Division—Continued. Remarks. ф ф မှ ą ф g ခု မွ do ę ф ģ ဝှ g ę ę ę, ф 6 12 26 12 **64** 20 2 8 22 4 ಜ 36 # 62 မ္မ 6 13 10 10 Date of Payment. 28 ន 13 22 2 ខ្ល 8 12 1 7 21 53 22 33 23 July ф မှ July g, မှ ခု ę ಕಿ ę 유 ဥ ခု ф 20 Inspection Fees 0 26 17 13 22 7 14 64 8 S 8 ន ଛ Tonnage Dues. 0 ъв**в**п က က 88 7 83 137 Registered Ton-೭ 13 218 428 7 Ξ 13 12 2 Gross Tonnage. Inspection 18 14 Ξ 2 2 5 7 7 ... Aug. ... Sept. Aug. ...July ... | A ug. ... May ... May ... |May ... Aug. ... May Lampson's boom J. W. Dunscomb, May Quebec. ф Collector. Name of မှ မှ ф ą မှ ę ę ę ą ခ့ မှ ခု ę Lampson's boom Quebec. Lampson's boom Quebec. PLady Dufferin | Lampson's boom Quebec Lampson's boom Quebec. St. Louis..... Quebec..... Quebec Almanda...... | Levis..... Commodore Holiwell...... Quebec..... Port of Inspection. ф ф ф မှ ф • Swallow Robert Stoker.... Fairy..... Sensation. Kelip38 Honkey Dore..... Patrick Murphy St. Andrew Name of Vessel. May Flower

Norwegian Lévis	Lévis	op /	July	28	131	40	5 24	8	0	28	13 24	Serew, ferry, Gut of Canso, Nova	_
Batiscan Quebec	Quebec	op	May	==	9	17	1 60	10	do	82	00 9	Side-wheel, tug, Batiscan to Quehec.	• •
Conkou Chicoutimi	Chicoutimi	op	July	13	9	4	0 24	ю	qo		5 24	Screw, tug, Chicoutimi River.	
Pioneer	Matebatchouen, Lake St. John.	op	စ္	€0	176	110	7 04	4	e e	88	12 04	Side-wheel, towing on Lake St. John	
WilliamQuebec	Quebec	ф	May	12	276	82	11 04	<u></u>	qo	29	19 04	Side-wheel, tug, Montreal and Brandy	
Ruby Lévis	Lévis	dø	go	11	10	4	0 20	20	qo	- 67	5 20	Screw, Quebec Harbour tug.	
Charlotte	Quebec	op	Sept.	G	14	6	0 58	20	Aug.	27	5 56	op op	~
BeeSt. Nicholas	St. Nicholas	op	ą	•	61	32	2 44	20	Sept.	-	7 44	Side-wheel, towing on Batiscan River.	, , ,
Acadian Quebec	Quebec	ę	Aug.	0	626	596	37 56	20	qo	-	42 56	Screw, freight, Montreal & Pictou, N.S.	
Express	ф	ф	Sept.	 08	100	62	4 00	90	do	21	12 00	Side-wheel, ferry, Quebec and Lévis.	
Kagenie	Island of Orleans	đo	Aug.	10	138	87	5 52	00	July	16	13 52	do Island of Orleans.	
Canada	Notinsp'd. Been			-	144	19		:				Side-wheel, tug, Montreal and Quebec.	PC.
laid up all su St. Charles do	laid up all sum'er do			Ī	111	74				<u> </u>		do do	
Scotchman	op				68	26	:	•	:		``	op op	(
Hero	op	•		:	209	131		į	:	-:		op op	
Conqueror, No. 1	op	•			199	15				i		do Montreal and Gulf.	
Union	т ор			•	189	432				<u>-</u>		Side-wheel, passenger, Quebec and Chicoutimi.	,
Secret	ор				466	293				<u> </u>		Side-wheel, passenger and freight, Montreal and Picton, N S.	
Lucinda	qo				43	21						Centre-wheel, tug, Montreal & Quebec.	
May	ф ор	*******			09	22		•		- <u>-</u> -	:	Side-wheel, tug, Montreal and Quebec.	
St. George	т ор			:	203	128	•			Ì		do Quebec and Lévis ferry.	
	•			-								TOS A MSON	

JOS. SAMSON, Steamboat Inspector.

STEAM VESSELS inspected for the Year ended 31st December, 1880.

Name Date of Of Collector. Inspection
N.B J. R. Ruel Jan. 8
do Feb. 10
do March 15
.S D. McDonald do 4
Dominion Tarmouth, N S., H. A. Hood do 16
Glendon Halifax, N.S William Ross do 18
do do 19
el ob ob
N.B J. R. Ruel April 2
9 op op
9 op op
ор ор
4 op op
do do 16
91 op op
do do 16
11 op op

												•		•			•					
ll op gnt op	op op op	op op op	do passenger do	do tug do	Paddle, ferry, Milledgeville, N.B.	Screw, tug, St. John Harbour.	Paddle do River.	do passenger, Bay of Fundy.	do tug, St. John River.	Screw, tug, St. John Harbour.	Paddle, passenger, Bay Chaleur, N.B.	Screw, tug, Pictou Harbour.	op op	op op	do and ferry, Pictou Harbour.	Paddle, passenger, Sea-going.	do ferry, Georgetown, P.E I.	do passenger, between New Brunswick, Prince Edward Island and Nova Scotia.	Paddle, tug and ferry, Summerside, P.E.I.	Paddle do do	Screw, tug, St. John Harbour.	do do do
11 32	80 6	8 48	20 72	11 36	7 88	7 80	9 20	45 16	13 36	7 08	36 36	7 40	2 68	6 44	5 40	27 24	13 16	45 40	2 80	8 84	9 8 7	1 68
20	20	20		1 10	21	23	22	30	9	9	18	13	12	13	56	19	27	22	-	22	21	29
op /	qo	do	•	April	ę	qo	g	go	May	qo	June	May	do	qo	do	op P	op g	June	Мау	ę G	qo	go
2	20	20	∞	10		10	10	· · ·		70	∞	20	مد	20	10	∞ 	∞	6 0		10	10	22
6 32	4 08	3 48	12 72	6 36	2 88	2 80	4 20	37 16	8 36	2 08	28 36	2 40	89 0	1 44	0 40	19 24	5 16	37 40	0 80	3 84	1 84	2 68
66	31	32	200	23	28	47	19	099	131	13	518	88	Ξ	25	-4	286	37	685	=	97	12	13
158	102	87	318	159	72	20	105	929	209	52	402	09	11	36	10	481	129	935	20	96	97	49
20	20	20	21	21	22	23	28	30	m	20	11	13	14	14	14	18	19	20	21	21	25	29
op /	do	ф	ф	do	ф	do	ф	မှ	Мау	မွ	op	မွ	qo	ę	ф	စု	g ₀	g g	g g	op	do	ę G
	:	:	:	:								nald				:	Currie		rong	į	el	
op /	do	đo	qo	qo	đo	do	qo	qo	qo	qo	qo	D. McDonald	do	do .	đo	qo	D. Curri	do	C. W. Strong	qo	J. R. Ruel	ę
Ī	:	·	ī	j		į	į	:	-	i	82	•			:			towa,		:	N.B J.	:
op !	op	ф	op	do	qo	op	qo	ор	qo	qo	Pictou, N	qo	оp	qo	qo	ф	Georgetov P.E.L	Charlotte P.E.I.	Summerside, P.E.I.	ďλ	St. John,	do
Admiral	Ada G	Lincoln	Soulanges	General	Enterprise	R Doane	Tiger	Empress	Lillie Glasier	St. Patrick	City of St. John Pictou, N	107	Gipsy	Alpha	Daisy	Scud	Montague Georgetown, P.E.I.	Princess of Wales Charlottetown, P.E.I.	Jenuie B	Frank	Norman St. John,	G. D. Hunter

Paddle, passenger, between Prince Edward Island, Nova Scotia and New Brunswick. Paddle, ferry, Charlottetown Harbour, P. E.I. Stern wheel, do Upper St. John River. passenger, Halifax to St. Pierre. Paddle, passenger, Coastwise, P.E.I. STEAM VESSELS Inspected for the Year ended 31st December, 1880-Maritime Provinces Division-Continued. |Screw, lights and fog alarm service. 84 Screw, passenger, Coastwise, N.S. Paddle, passenger, St. John River. qo ф yacht, Halifax Harbour. Paddle, ferry, St. John River. tug, Halifax Harbour. Remarks. g ဍ ဝှ Screw, tug ф ф ф မှ မှ qo ф cts. 40 **9** 5 48 46 40 99 9 8 2 8 Totals. 88 24 မွ 84 ⊕ 11 15 22 10 12 77 4 17 2 8 æ 4 ю Payment. 88 2 × • œ 10 10 = 12 8 18 Date of Dominion Steamer. June June June June June May ф g ę May ф May ф 00 10 Inspection Fees. œ œ ထ œ 10 10 cta, 984 9 1 84 8 ද 8 46 49 8 4 දී 24 Tonnage Dues. 33 14 0 **e** лақе. 675 186 183 8 911 23 3 231 552 2 83 24 3 Registered Ton-246 43 845 185 240 122 22 765 88 115 ŝ 9 2 8 361 Gross Топ**яя**gе. Inspection a œ 14 2 23 17 38 28 Date of Halifax, N.S Wm. Ross June ę qo ф ф ф φ ф ę g ф ф do ф ф ф D. Currie..... | Fredericton...... | A. F. Street..... Halifax, N.S..... | Wm. Ross : : : Wm. Ross St. John, N.B J. R. Ruel : Collector. Name ф ဓှ qo đ ф ф ф ф qo do : : Halifax, N.S..... Charlottetown, P.E.I. Ромва].... : Inspection. Port of ф ę ф ф g do Edgar Stuart Heather Belle..... David Weston Xiphias.... Newfield Henry Hoover Forest Queen Name of Vessel. Florenceville St. Lawrence...... Southport..... Geo. Shattuck New Dominion Sarah H

7.1	· ·	166	J1 18	u. 			, K		101	laı	ra	per) B.	TAG) . .		,				Α.	13	991
do ballast boat, Halifax.	Paddle, ferry, St. John Harbour.	Screw, tug, Miramichi River.	Paddle, ferry, do	do tug, do	Screw, do do	do do do	Stern wheel, passenger do	Paddle, ferry. do	op op	Screw, tug, Richibucto River.	do yacht, Miramichi River.	do do do	Paddle, yacht do	do tug, Restigouche River.	Screw, tug, Bathurst Harbour.	do Miramichi River and Bay.	Paddle, tug, Pictou Harbour.	Screw, ferry do	do passenger, Minas Basin.	do ferry, Avon and Walton River.	do tug, Minas Basin.	do passenger, Coastwise, N.S.	do tug, Windsor River, N.S.
99	24 96	8 04	9	5 72	89 9	5 16	15 40	7 16	88 9	5 56	5 24	5 12	5 44	8 40	5 68	1 80	10 44	5 12	14 80	† 0 9	5 76	17 76	6 12
 85	18	*0	9	6	9	10	a	3	F -	13	0	6	o,	œ	රා	30	13	31	20	31	23	64	စ္က
dung,	8 Aug.	July	qo	qo	qo	qo	qo	မှ	ф	qo	do	ф	do	qo	do	qo	May	qo	July	do	do	Aug.	July
10	•••	10	70	'n	10	10	09	20	10	70	20	20	20	20	40	20	10	20	∞	10	20	œ	20
3 56	16 96	3 04	1 68	0 72	1 68	0 16	₹ 40	2 16	1 88	0 56	0 24	0 12	0 44	3 40	89 0	2 80	5 44	0 12	6 80	1 04	94 0	94 6	1 12
18	196	16	77	10	78	က	139	43	78	o o	4	· · ·	œ	45	11	98	88	~	93	14	10	166	16
80	424	76	42	18	42	4	185	54	47	14	v	3	11	85	17	0.	136	က	170	26	19	241	28
23	င္တ	63	63	m	m	က	10	70	9	9	9	1-	-	00	6	10	11	11	20	22	22	31	ო
op /	do	July	ф	ф	do.	ф	do	qo	qo	ф	đo	do	qo	g o	qo	qo	ор	op	qo	op	qo	qo	Aug.
ор	R. Ruel	D. Ferguson	do	qo	ф ор	ф ор	B. Haddow	op	op	N.B. John Rusk	R. B. Haddow	do	ф оф	W. Montgomery.		D. Ferguson	McDonald	ор	A. Townsend	N.S., Edward O'Brien.	-:- op	illiam Ross	.S Edward O'Brien. Aug.
op -	St. John, N. B	Chatham	ф ор	ф ор	ор	тор	Newcastle	op	ор		do R	ор	ор	Dalhousie		Chatham D	Pictou, N.S	ор	Parrsborough, A.N.S.	Hantsport, N.S. E	ор	Halifax, N.S	Windsor, N.S E.
Robt. Burns	Western Extension St. John, N.B J. R. Ruel	Relief Ghatham	Teaser	Zulu	Laddie	St. Louis	Andover Newcastle R.	New Era	Lady Dufferin	Maggie Noble Newcastle,	Lorne	109 Grip	Derby		Utopia Bathurst	Gladiator	Dragon Pictou, N.S D. McDonald	Winnie.	Earl Dufferin	Pinafore	Eva Johnson	M. A. Starr Halifax, N.S William Ross	R. H. Lowe Windsor, N

STEAM VESSELS Inspected for the	Inspected#for	r the Year ended	1d e d 31	31st De	cemp	er, 188	-0	Maritiı	ne Pro	December, 1880—Maritime Provinces Division—Continued.
Name of Vessel.	Port of Inspection.	Name of Collector.	Date of Inspection	Gross Tonnage.	Registered Ton-	Топпаке Dues.	Inspection Fees.	Date of Payment.	Totals.	Remarks.
						S cts.	€		\$ cts.	
Neptune St. John, N.B J. R. Ruel Aug.	St. John, N.B	J. R. Rael	Aug. 4	22	19	2 08	10	Aug.	3 7 08	Screw, tug, St. John Harbour.
Fred. Clineh Musquash, N.B	Musquash, N.B	do	do 6	13	3	0 52	10	ဝှာ	6 52	do do Musquash River.
William Stroud St. Ster	St. Stephen, N.B.	H. Webber	do 10	229	156	9 16	œ	June 11	1 17 16	do passenger, St. Stephen to Grand Manan.
Alida	Tarmouth, N.S H.	Н. А. Ноод	do 13	64	20	2 56	70	Aug.	7 7 56	do tug, Yarmouth Harbour.
Neptune Sydney,	C.B	E. Leonard	do 26	138	99	5 52	∞	Sept.	6 13 52	Paddle, passenger, Lake Bras d'Or, C.B.
OLady of the Lake North S C.B.	North Sydney, C.B.	A. G. Hamilton	do 27	 	32	2 44	10	Aug. 28	3 7 44	do ferry, Sydney, C.B.
Annie,	do	op	d o 27	13	6	0 52	ĸ	do 27	7 5 52	Screw, yacht, Sydney Harbour, C.B.
Unicorn	т ор	ор	do 28	46	20	1 84	ю	do 28	18 9 8	do tug do
D. P. Ingraham Cow Bay, C.B Wm. Boun	Cow Bay, C.B	Wm. Boun	do 30	140	84	5 60	ď	do 31	1 10 60	Screw, tug, Cow Bay and adj. waters.
C. M. Cates, Glace Bay, C.B. C. H. Rigby	Glace Bay, C.B	C. H. Rigby	do 31	28	46	3 48	70	do 31	8 48	do Glace Bay, C.B.
L. Boyer Caledonia, C.B., D. McKeen.	Caledonia, C.B	D. McKeen	do 31	26	49	2 24	70	Sept.	1 7 24	do Caledonia Bay, C.B.
Dolphia Lingan,		C.B R. Laffin	Sept. 1	12	45	2 88	2	qo	1 7 88	Paddle, tug, Lingan Bay, C.B.
Effort Hawkesbury, C.B M. Boarinot.	Hawkesbury, C.B	M. Bourinot	do 3	24	15	96 0	10	qo	4 5 96	Screw, ferry, Straits of Canso.
Richmond Grandique, C.B. J.	Grandique, C.B	J. Flynn	do 4	4	33	1 78	5	ę ę	4 6 78	Paddle, ferry, Lenox Passage.
Annie Stuart St. Peter's C.B	St. Peter's C.B		do 4	36	23	1 44	ж	qo	4 6 44	Screw, tug, Straits of Canso.
A. C. Whitney Halifax,		N.S Wm. Ross	do 9	63	41	2 48	10	op	8 7 48	do Halifax Harbour.
Lady of the Lake	ор	ф ор	g op	<u>ه</u>	8	0 30	20	qo	8 520	Screw, ferry do

		, N.B.	N.B.	at, P.E.I.	P.B.1.	ide, P.E.I.	N.S.		=-	zi	<u></u>							
op	· op	Paddle, tug, St. John River, N.B.	ferry, Florenceville, N.B.	Serew, passenger, winter boat, P.E.I.	tug, Charlottetown, P.E.1.	Notinspected Paddle, passenger, Sammerside, P.E.I.	Halifax, N.S.	ф	qo	Bridgewater, N.S.	Paddle, tug, Miramichi River.	qo	Serew, ferry, Pictou, N.S.	yacht, Halifax, N.S.	tug, Wallace, N.S.	do St. John, N.B.	qo	
qo	yacht	le, tug, St.		7, passenge	tug, Cha	le, passeng	qo	qo	do	', tug, Brid	e, tug, Mi	qo	', ferry, P			do St.	e, ferry	, passenge
op	qo		op —	Serew	ор —	Padd	op —	op	op	Screw	Paddl	op —	Serew	op	ф	do	Paddl	Screw
5 20	5 56	96 9	:		6 62	:	14 00	12 32	13 04	Screw, tug,	10 32	12 60				:	Paddle, ferry	
8	8	4	ē.	:			. 26	36	26	:	20	. 17			:		:	
5 do	ę P	5 Oct.	emne		5 Nov.	<u>:</u>	Oet.	go	do		July	May	<u>. i</u>					
_	10		eond			-secte	∞	o o	∞	- ecte	×0 ——	70				<u>:</u>		
0 20	0 56	1 96	i; hull	amer.	1 52	Noting	9 00	4 32	5 04	Notinspected	5 32	1 60	Laid up; not in use.	qo	qo	qo	qo	repairing
es	3	49	spected	on Ste	26	21	102	65	76	32	83	121	p; not					
20	14	49	Not in	1 Dominion Steamer.	**	75	150	108	126	84	133	180	Laid uj	qo	đo	qo	qo	qo
6	10	4	:		1	:	23	23	24					, , , , , , , , , , , , , , , , , , , ,			į	•
op /	ę	Oet.		Nov	စု	_	Nov.	do	qo	i		•	_ •					
op /	•	F. Street Oct.	rritt		:	C. W, Strong	.S Wm. Ross Nov.	:		ırlêy	N.B D. Ferguson	:	nald	.S Wm. Ross	Nab	Ruel	eet	Ross
do ,	do		D. F. Me	D. Curri	qo	0. W, St	Wm. Ro	do	do	H. A. He	D. Fergu	do). McDo	Wm. Ro	Vm. Me	r. R. Ru	A. F. Str	Wm. Ro
·	i	N.B	N.B.	wn,	:		-	i	•	N.S.		:	_			m	N.B.	
op /	op	Fredericton	Woodstock,	Charlotteto P.E.I.	đo	Summerside P.E.I.	Halifax, N.E	do	qo	Bridgewater	Chatham, N	đo	Pictou, N.S	Halifax, N.S	Wallace, N.	St. John, N.	Fredericton	Halifax, N.S
Seina	Berths	Bismarck Fredericton, N.B A.	Perseverance Woodstock, IN.B. D. F. Merritt Not inspected; hull condemned.	Northern Light Charlottetown, D. Currie, Nov. P.E.I.	Henry Aitkin	Wellington Summerside,	Mic-Mac Halifax, N	Chebucto	Sir C. Ogle	La Have Harier Bridgewater, N.S. H. A. Harier	USt. George., Chatham,	Champion	Ins D. McDonald	Carrie Halifax, N	Mary Ann Wallace, N.S Wm. McNab	Speck St. John, N.B J. R.	Marysville Fredericton, N.B A. F. Street	Albert Halifax, N.S Wm.

WM. M. SMITH, Deputy Chairman, Board Steamboat Inspection.

STEAM VESSELS Inspected for the Year ended 31st December, 1880. MANITOBA AND WESTERN ONTARIO DIVISION,

			- ap				,				23,	10	-
Remarks.	Sorew, freight and tug, Red River and Lake Winnipeg.	Side-wheel, passenger and freight, Red River and tributaries.	Stern-wheel, passenger and freight, Red River and tributaries.	Side-wheel, Winnipegand St. Boniface.	op op op	Screw, freight and tug, Red River and Lake Winnipeg.	Stern-wheel, passenger and tug, Red River and tributaries.	Screw, tug, Red River and Winnipeg River.	Stern-wheel, passenger, Red River and tributaries.	Screw, passenger, Lake Winnipeg.	do Thunder Bay.	Serew, coasting do	op op
Totals.	\$ cts.	13 44	20 36	8 36	19 52	2 92	22 16	12 40	15 24	14 56	15 00	13 12	8 91
Date of Payment.	Мау 18	do 1	do 1	do 21	do 1	do 25	April 30	May 29	do 3	do 3	June 7	do 4	do 4
Inspection Fees.	<u>×</u>	&	~	بم		10	€	<u>¥</u> 8		۰	<u></u>	••	
Топпаge Dues.	\$ cts.	5 44	12 36	3 36	11 52	0 92	14 16	4 40	7 24	6 56		5 12	3 91
Registered Ton- nage.	13	85	194	92	181	15	366	*	113	145	asured.	74	65
Стова Топпаде.	18	135	308	84*	281	22	384	110	180	164	Not measured	129	97
Date of spection	81	21		22	22	22	36	2	RI	67		7	7
Date of Inspection	 May 	qo	ор 	op —	op	qo	ор	ep	June	qo	ф	do	qo
Name of Collector.	Geo. B. Spence May	op	op	op	ор	т ор	op	op	op	op	Peter Nicholson.	do	op
Port of Inspection.	•	op	ор	ф ор	ф ор	op	Red River	Assiniboine	Lower Ft. Garry	т ор	Prince Arthur's Landing.	т ор	Fort William
Name of Vessel	Lady Ellen Winnipeg	Cheyenne	Manitoba	Adelaide	Minuesota	Victoria	Marguerite Red River	Wm. Robinson Assiniboine	Alpha Lower Ft.	Colville	Watchman Prince Arthur's Peter Nicholson.	A. Neff	Three Friends Fort William

=		Φ	. 100	į.		———	1
5 20 8 do 5 13 20 Screw, Silver Islet Co., steam tender.	op op	7 16 Screw, passenger, St. Marie and Isle St. Joseph.	5 72 Screw, fishing tug, Killarney.	5 Screw, freight coasting, Lake Superior.	Stern-wheel, Hudson Bay Co.	do do	
13 20	7 20	7 16				:	
do 5	do 5	6 op	0 72 5 do 14	•	****		
00	20	ĸ	, ro	<u>:</u>	:	<u> </u>	1
	2 20 5 do	2 16 5 do		•			
66	45	43	12	10	130	290	
do 10 130	20	24	18	15	207	461	
10	10	do 15	14			:	
op /	do 10		qo				
do	ор	Marie Wilson,	C. D. Lamoran- dier.				
Silver Islet	ор		The Landing	qo	op	Not inspected	
Silver Spray Silver Islet	Hattie Venton	Kate Marks Sault Ste.	Magdelena The Landing C. D. Lamoran- do 14 18	M. J. Mills	Lily Broke	Northcote	

F. X. BEFORT, Steamboat Inspector.

STEAM VESSELS Inspected for the Year ended 31st December, 1880.

	Remarks.		Passenger and freight, Victoria to Nanaimo.	Passenger and freight, Victoria to Wrangle.	Tug boat.	Ballast boat,	Passenger and freight, Victoria to New Westminster.	Freight boat.	Passenger and freight, New Westmin- ster to Yale.	Passenger and freight, Stickeen River.	Ferry boat, Victoria Harbour.	Tug boat.	Passenger and freight, Victoria to Nanaimo.	Ballast boat,	Ferry boat, Nanaimo Harbour.	Tug boat.
	Totals.	S cts.	16 56	16 72	8 92	98 9	23 24	6 48	37 52	20 08	5 10	6 40	20 08	98 9	5 24	88 4
	Date of Payment.		Jan. 26	March 25	April 21	March 27	April 22	May 8	do 14	Sept. 20	May 18	June 1	d o 1	do 7	do 7	do 11
ż.	Inspection Fees.	€9	80	60	10	10	00	10	o o	6 0	10	×	60	5	20	10
BRITISH COLUMBIA DIVISION.	Топлаgе Dues.	S ets.	8 56	8 72	3 92	1 36	18 24	1 48	29 62	12 08	0 10	1 40	12 08	1 36	0 24	2 88
/WBIA	-goT bereteiyəA .eggan		156	160	83	27	302	36	591	178	-	25	231	31	4	49
I COLL	Gross Tonnagge.		213	218	97	33	380	37	737	301	64	38	301	33	10	114
BRITISE	Date ; of Inspection		in. 24	March 19	do 22	do 24	pril 5	ау 13	do 10	do 15	do 18	do 27	do 31	ine 5	do 5	do 9
	I		ey Je	:	<u>:</u>	-:	April	May	.	.		:		5	:	
	Name of Collector.		WymondHam	op	ච	do	op	ор	qo	. Op	op	do	ф	Thomas Peck	op	John S. Clute
	Port of Inspection.		Victoria, B.C	op	ф ор	ф	ор	ф ор	ор	Op	ор	ф ор	ф	Nanaimo	ф ор	New Westminst'r
	Name of Vessel.		Maude Victoria, B.C Wymond Hamley Jan.	Grappler	Etta White	rillie 114	Enterprise	Skidegate.	William Irving	Gertrude	Victoria	Emma	Cariboo Fly	Hyack June	Nellie Taylor	Maggie New Westminst'r John S. Clute

44	Vı	ctc	ria	•			Sess	ion	al.	Pap	era	3 (No.	. 1	1.)				A	18	81
Passenger and freight, New Westmin-ster to Yale.	Ferry boat, Burrard Inlet.	Tug boat do	Freight boat.	Fish tug.	Ballast boat.	Passenger and freight, Victoria to Puget Sound.	Passenger and freight, New Westmin- ster to Yale.	Ferry boat, Dea's Lake-Cassiar.	Fish tug.	do	Passenger and freight, Kamloops Lake.	do do	do Seda Creek to	Freight boat, Fraser River.	Passenger and freight, New Westmin- ster to Yale.	Tug boat.	do	op	Passenger and freight, Victoria to Nanaimo.	Passenger and freight, Victoria to Wrangle.	Freight boat.
41 28	6 12	6 32	99 9	5 12	5 96	25 84	20 56	5 84	5 12	5 80	7 20	7 40	22 60	25 56	22 80	101	15 32	14 40	26 72	46 84	7 85
13	11	11	11	11	21	က	10	30	6	24	H	-	-	27	53	*	ŭ	10	4	4	91
op	op -	QQ	-	op —	op	July	qo	op	Aug.	qo	Oct.	qo	op	Sept.	op	Oct.	Nov.	-	ව ,	ф 	go-
×	10		1 0	20			∞	ن		20	143		∞	∞	œ 	70	6 0	∞	σο 	σο ————————————————————————————————————	20
33 28	1 12	1 32	99 0	0 12	96 0	17 84	12 56	0 84	0 12	0 80	2 20	2 40	14 60	17 56	14 80	2 04	7 32	6 40	18 72	38 84	2 85
725	21	138	13	-	28	338	215	12	н	13	020	52	282	322	290	32	101	109	350	624	26
831	27	33	16	က	23	445	313	20	67	19	54	69	364	438	369	20	183	159	467	970	F
6	10	10	11	11	138	19	∞	20	o,	23	6	=	18	25	28	-	25	25	4	14	16
op	qo	qo	qo	qo	qo	ep P	July	qo	Aug.	do.	Sept.	qo	do	qo	qo	Oct.	d•	qo	Nov.	go	đ
ор	et Isaac Johns	•••• ор	John S. Clute	ор	Thomas Peck	C Wymond Hamley	 Op	Richard Hunter	John S. Clute	C WymondHamley	op	ф	т ор	John S. Clute	WymondHamley	op	т ор	do	op	op	John S. Clute
qo	Burrard Inlet	ор	New Westminst'r	ор	Nanaimo	Victoria, B.C	do	Dea's Lake	New Westminst'r		Kamloops	ф	Soda Creek	New Westminst'r	Victoria, B.C	op	op	ор	ਰੇ•	ф	New Westminst'r
Western Slope	Senator Burrard Inl	Leonora	Princess Louise New Westminst'r John S. Clute	Brunette	Elevator Nanaimo	Isabel Victoria, B.	Reliance	Lady of the Lake Des's Lake Richard Hunter	Nellie New Westminst'r John S. Clute Aug.	Lis Victoria, B.	Spallumcheem Kamloops	Lady Dufferin	Victoria Soda Creek.	Royal City New Westminst'r John S. Clute	Cassiar	Woodside	Pilot	Beaver	Wilson G. Hunt	Princess Louise	Ads New Westminst'r John S. Clute

Steam Vessels Inspected for the Year ended 31st December, 1880—British Columbia Division—Concluded. Repairing in Victoria Harbour. 7 44 Freight boat, on Fraser River. ф Laid up at Nanaimo. ф Totals, Date of Payment. Nov. Inspection Fee. 2 44 Топряке Dues. nage. 22 191 Registered Ton-287 မ္ 331 Стоев Топпавее. Date of Inspection Nellie | Nanaimo | Thomas Peck | Gem Not. New Westminst'r John S. Clute Nov. Victoria, B.C.... Wymond Hamley Name of Collector. qo Port of Inspection. ф Alexander..... Name of Vessel.

THOS. WESTGARTH,
Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1889; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

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	Where and w Employed.	480.00 Owen Sound, 1880 Freight and passenger, Georgian Bay.	Tug, Toronto Harbour,	431.81 Collingwood, 1889 Freight and passenger, Collingwood and Chicago.	Passenger and ferry, Toronto and Island.	Tug, Welland Canal.	do do	do Wallaceburg and Detroit.	do hunting, Sydenham River.	do Sydenham River.	do and passenger, Muskoka Lakes.	do do Lake of Bays.	do do Toronto Harbour.	1880 Passenger, Toronto and Island.	Tug, Sable River and Shore.	do and passenger, Muskoka Mills and Penetanguishene.
WEST ONTARIO, HUROM AND SUPERIOR DIVISIONS.	Where Built.	Owen Sound, 1880	1.68 Toronto, 1878	Collingwood, 1886	10.21 Port Dalhousie, 1879	17 85 Thorold, 1880 Tug, Welland Canal.	12-15 Port Robinson, 1880	Wallaceburg, 1880	Detroit, 1876	do 1875	35.71 Gravenhurst, 1880	Baysville, 1878	Torento, 1889	do 1880	Saugeen, 1880.	20.74 Muskoka Mills, 1889
AND St	Registered Ton-	480.00	1-68	431.81	10.31	17 85	12.16	31.00	3.42	6.19	36.71	90 6	11.58	25 22	14 55	20.74
HURON	Gross Tennage.	705.89	2.47	635.00	16.43	43.38	33 85	45.73	20.9	9.10	52.51	13.33	17.03	37 83	21 40	30.20
TARIO,	Wood or Iron.	Wood	щ ор	op	do	op	op	op	 စု	 ep	op	 မှာ	- ့	op	op	op
WEST ON	Class.	27.62 Screw	ор	ор	ор	ф	d 0	ор	ф ор	ф	ф	ф	ф	ор	ф ф	ор
	Horse-	27.62	.73	37.18	3.66	17.97	18.69	16.83	1.11	3.24	5 76	2.19	3.60	9.62	6.36	1.20
	Name of Vessel.	Manitoulin	Ada	Sincoe 1	Ada Alice	George Douglas	Maggie A. Bennett	Wm. F. McRae	R. F. Childs	Myrtle	Rosseau	Helena	Toronto Belle	Luella	Sable Queen	Tender

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1880— Sutton, 1880......Tug and passenger, Sutton and Lake Shore. 540 94 | Hamilton, 1880. | Freight, Port Dalhousie and Kingston. Where and how Employed. Sarnia and Port Huron. 7.16 Barrie, 1880 Passenger, Puslinch Lake. Paisley, 1879...... | Passenger, Saugeen River, 7.65 Petersville, 1880 Passenger, Thames River. Meaford, 1880 Fishing tug, Meaford. 2.83 [Toronto, 1880 Tug, Lake Muskoka. ф 120 76 Mill Point, 1880 do Georgian Bay. ф qo ф 22.30 | Fort Franks, 1879.... 1.61 | Port Carling, 1876 27 52 London, 1880...... Wallaceburg, 1877..... West Ontario, &c., Divisions-Continued. Where built. 1.48 3.95 5.13 3.95 Registered Ton-nage. 2.36 9.40 43 68 2.18 32.80 852.85 179.33 11.36 6.81 5.81 7.54 |Serew | Wood. ... : : : : : : : : Wood or lron. ф ф qo ф ф qo qo qo ф ф ф ф ор Paddle, Screw ор ф ор 38.91 |Screw.... 1-44 Paddle Class. do ф 8.64 9.74 58 56 96.0 1.59 Horse-14.0 0 92 1.83 Dodger Salfred Wilson Admira1 St. Magaus..... City of Guelph..... Pinafore Victoria Cherokee Water Witch..... Sutton Belle Name of Vessel. Hockroak

W. J. MENEILLEY, Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross or Registered Tonnage; where Built, and where and how Employed.

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Name of Vessel.	Horse- power.	Class.	Wood or Iron.	Стоѕа Топпаде.	-goT bereisted Ton-	Where Built.	Where a	Where and how Employed.	
Varuna	14	Screw Wood 134.04	Wood	134.04	85.20	85.26 Wolfe Island, Passenger steamer on Bay of Quinté.	Passenger steam	er on Bay of Quinté.	
James Buckley	ī.	qo •••••	т ор	9.16	6.23	6.23 Prescott	op op	River St. Lawrence.	
Silver Spray	67	ф ор	do	98.6	6.71	6.71 Milford	do do	Bay of Quinté,	
Hiram Easton	4	ор	ф	34.11	23.10	23.10 Merrickville	Tug do	Rideau Canal.	
Ida	г	ф ор	do	3.00	2.00	2.00 Brockville Passenger	Passenger do	River St. Lawrence.	
Water Witch.	C.F	ор	т ор	9.30	3.40	3.40 Lindsay	op op	Lindsay waters.	
Stranger	L	op	do	28.00	17.60	do Tug	Tug do	qo	
Minden	-	ор	op	4.24	2.89	2.89 Minden Passenger		do Gulf lake and river.	
				-		-			ſ

JOSEPH TAYLOR, Steamboat Inspector.

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

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Name of Vessel.	Horse-	Class,	Weod or Iron.	Gross Tonnage. Gross tend Ton-	Where Built.	Where and how Employed.
Owens	20	Side-wheel Wood	Wood	1991	Montebello	90 Montebello Montreal and Ottawa River, towing.
Cherry	45	ф ор	т ор	140	88 Montreal	op op
Walter B.	30	Screw	op	33	Pembroke	22 Pembroke Pembroke and Joachim, passengers.
20						THE BUBGESS

JOHN BURGESS, Steamboat Inspecto

STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how

DIVISION.	
RIVERS	
THREE	

		Where and how Employed.
Wood or Iron. Wood 28 19 St. J. or or or do or or or or or or or or or or or or or	Where Built.	St. Johns, P.Q Passenger, Richelieu River.
	-noT beretsigeA	19
Ulass. Screw	· .	
Horse-power.		Зсге ж
	Name of Vessel.	Ripple

X. BEFORT,
Steamboat Inspector.

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STATEMENT of the Number of Steam Vessels added to the Dominion, during the Year ended 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

QUEBEC DIVISION.

Horse- power.	Class.	Wood or Iron.	Эзвипот геоть	Registered Ton- nage.	Where Built.	Where and how Employed.
43.77	77 Side-wheel Wood	Wood	262	165	St. Nicholas, 1880	St. Nicholas, 1880 Passenger, Quebec and St. Nicholas.
95	ф ор	т ор	38	11	Quebec, 1880	17 Quebec, 1880 Tug, Quebec and Bastican River.
80.	Screw	ф	14	6	do 1880 do Quebec Harbour.	do Quebec Harbour.
2 .28	ф оф	op	11	80	do 1878	do do
73	20.73 Side-wheel	do	428	269	Lotbinière, 1879	Lotbinière, 1879 Passenger, Quebec, St. Jean Deschaillon.
30 .27	ф ор	ф	317	199	St. Nicholas, 1880	do do Ste. Croix.
14.00	00 Screw	op	23	-1	7 Lévis Tug, Quebec Harbour.	Tug, Quebec Harbour.

JOS. SAMSON,
Steamboat Inspeci

Statement of the Number of Steam Vessels added to the Dominion, during the Year ended the 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

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	Where and how Employed.	Halifar, N.S Screw, water boat, Halifax, N.S.	121 St. John, N.B Paddle, tug, Miramichi River.	Screw do Minas Basin.	131 St. John, N.B Paddle do St. John River.	Screw do Wallace, N.S.	Paddle do Chatham, N.B.	Screw do do	op op op	. do passenger, Walton and Avon Rivers.	do yacht, Halifax Harbeur.	do ferry, do	
	Where Built.	Halifax, N.S	St. John, N.B	10 Tarmouth, N.S	St. John, N.B	4 Wallace, N.S Screw do Wallace, N.S.	Chatham, N.B Paddle do Chatham, N.B.	do Screw	Trenton, Ont	14 Hantsport, N.S do	3 Halifax, N.S	ор	
ייי די הודי	-noT bereistered Ton-	13	121	10	131	4	83	m	∞	14	က	ന	
1 141 17 17	. Өтоза Топпаge.	22	190	19	209	10	133	4	13	25	10	70	
	Wood or Iron.	Wood	op	ч ор	ော့	do	do	do	do	do	op	qo	
	Class.	Freight Wood	Passenger	Tug	ор	о р	ф	фор	ф ор	Passenger	ор	op	
	Horse-	မ	75	4	9	25	75	ıc	€00	15	4	9	
	Name of Vessel.	Bessie and Harry	Champion	Eva Johnson	Lillie Glasier	Mary Ann	St. George	St. Louis	Maggie Noble	Pinafore	Tiens	Lady of the Lake	

IM. M. SMITH, Steamboat Inspector

		DCSSIO
STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended the 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed. MANITOBA DIVISION.	Where and how Employed.	Passenger, Thunder Bay.
ominion during the ron ;their Gross and Fision.	Where Built.	Screw Wood Not measured Winnipeg Passenger, Thunder Bay.
ded to the Domin of Wood or Iron;t	Registered Ton-	ured
led to of Woo MANITO	.э <u>р</u> яппоТ якотĐ	Not mean
els add	Wood or Iron.	W 00d
r of Steam Vess Horse-power; w mployed.	Class.	Scre₩
Numbe ss and how E	Horse- power.	
Statement of the Number of Stean 1880; their Class and Horse-pow and where and how Employed.	Name of Vessel.	Watchman

F. X. BEFORT, Steamboat Inspecto

STATEMENT of the Number of Steam Vessels added to the Dominion during the Year ended the 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

Name of Yessel.	Horse- power.	Class.	Wood or Iron.	Gross Tonnage.	Registered Ton- nage.	Where Built.	Where and how Employed.
					<u> </u>		Leaf Wisherin House
Victoria	0.21	0.51 Screw Wood	Woed	2:32		New Brunswick	1.60 New Brunswick Ferry Doat, Victoria marbour.
Lillie		4 08 Paddle	т ор	33.57	27.74	27.74 Victoria, B.C Ballast boat.	Ballast boat.
William Irving		74.40 Stern-wheel	op	737-86	591.04	Burrard Inlet.	591.04 Burrard Inlet Passenger and freight, Fraser River.
Cassiar	58 80	ор	op	369.72	290.28	290.28 Seattle, U.S	op op
125	0.21	Screw	op	2.29	1.75	1.75 Astoria, U.S Fish tug.	Fish tug.
Senator	2.20	ор	щ ор	27.63		21.42 Burrard lalet Ferry boat, Burrard Inlet.	Ferry boat, Burrard Inlet.

THOS. WESTGARTH,
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, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed

	Where and how Employed.		377.59 St. Catharines, 1863 Freight and passenger, Georgian Bay.	do do Montreal & Chicago.	16.00 Buffalo, 1875 Tug, Welland Canal. Dredging.	73.00 Windsor, 1866 do and passenger, Hamilton Bay.	do Georgian Bay shores.	do Toronto Harbour.	19 00 Chippewa, 1864 do Port Robinson and Niagara River.	do Sydenham and St. Clair Rivers.	402.69 Hamilton, 1875 Freight, Montreal and Chicago.	do and passenger, Collingwood and Chicago.	Tug, Muskoka Lakes.
WEST ONTARIO, HURON AND SUPERIOR DIVISION.	Where Built.	,	St. Catharines, 1863	516.00 Port Robinson, 1874	Buffalo, 1875	Windsor, 1866	12.52 Collingwood, 1870 do Georgian Bay shores.	8.78 Buffalo, 1868	Chippewa, 1864	14.62 Buffalo, 1869	Hamilton, 1875	431 80 Collingwood, 1880	15 00 Buffalo, 1866 Tug, Muskoka Lakes.
N AND	Registered Ton- nage.		377.59	516.00	16.00	73.00	12.52	8.78	19 00	14.62	402.69	431 80	15 00
, HURO	Стояя Топпаде.		552.26	do 606 67	22 00	108.00	18.41	10.89	27.00	24.56	651.40	635.00	26.00
NTARIC	Wood or Iron.		Wood	op	ф	do	op	т ор	op	do	т ор	ор	ф
WEST	Class.	•	Screw Wood	ор	ор	ор	ф ор	ф ор	ор	ор	ор	ф	ор
	Horse-		27 62	37.42	11.61	37.23	7.20	3.60	22.17	16.83	00.99	37.18	12.60
	Name of Vessel.		America	City of St. Catherines	D. E. McFarland	Florence	Fred. Hotchkiss	Hittie Toyt	Minerva	Minnie Battle	Zealand	Simcoe	Simcoe

W. J. MENEILLEY, Steamboat Inspector.

TEMENT 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, 1880; 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.	Where and how Employed.	Toronto
it, broken up, or laid up as unfit for r Class and Horse-power; whether d where and how Employed. EAST ONTARIO DIVISION.	Where Built.	68.61 Toronto
up, or id Hor and ho	Registered Ton- nage.	68·61 \$7·50 55·00
broken llass ar where a	Стовв Топпяке.	108 9 0 57.50 87.00
ls lost, their C ;, and v EA	Wood or Iron.	W ood
of Steam Vessel ecember, 1880; ge; where Built	Olass.	30 Paddle
umber 31st Do Tonnag	Horse-	50 30
STATEMENT of the Number of Steam Vessels lost, broken up, or laid up as unthe Year ended 31st December, 1880; their Class and Horse-power; whand Registered Tonnage; where Built, and where and how Employed. EAST ONTARIO DIVISION.	Name of Yessel.	Transit Col. Strickland Queen

Montreal...... towing.

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Valleyfield.....

7 Bryson...... Allumette Lake, towing. S Not known...... Ottawa River, freight.

43 92 14 163

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No. 128

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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, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed. Where and how Employed. ф Kingston....... Ottawa, Lake Champlain, towing. Roche Capitaine Joachim, Roche Captain Where Built. MONTREAL DIVISION. nage. Registered Ton-123 110 20 Отова Топпаде. Screw..... Wood ... Wood or Iron. ф ၃. Side-wheel..... Class. ф Horse-power. 40 16 20 Frances Deux Rivière Кірре**wa.....** Name of Vessel.

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, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

			3	QUEBEC DIVISION.	DIVISIO	JN.	
Name of Vessel.	Horse-	Class.	Wood or Iron.	Gross Tennage.	Registered Ton- nage.	Where Built.	Where and how Employed.
Berthier		43.77 Side-wheel Wood	W 00d	170	7.00	Sorel, 1866	78 Sorel, 1866 Passenger, Quebec and Sillery.
St. George	61.73	ор	ор	203	128	Lévis, 1864 Ferry, Quebec and Lévis.	Ferry, Quebec and Lévis.
Reindeer		39.77 Screw	op	127	64	64 Detroit, U.S., 1857 Tug, Quebec and Bic.	Tug, Quebec and Bic.
Thire-fly	25	.95 Side-wheel	op	87	**	18 Quebec, 1866 do Quebec and Montreal.	do Quebec and Montreal.
	-						

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 the 31st December, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.

MARITIME PROVINCES DIVISION.

Name of Vessel.	Horse- power.	Class.	Wood or Iron.	Стоза Топпаде.	Registered Ton-	Where Built.	Where and how Employed.	
John William	က	Раззепдег	Wood	9	က	St, John, N.B	3 St, John, N. B Screw, yacht, River St. Jchn.	<u>-</u>
Perseverance	4	ор	op	20	20	20 Woodstock, N.B Paddle, ferry,	Paddle, ferry, do	
Sanbury	20	Tug.	ор	184	108	108 St. John, N.B	do tug, do	
LJ. C. Vail	01	Passenger	op	78	14		do ferry, Gondola Point, N.B.	
Water Boat	1.00	Freight	op	9	9	Halifax, N.S	Halifax, N.S	
Lion	25	Tug	op	10	4	Wallace, N.S	do tug, Wallace, N.S.	
			-					

W. M. SMITH,
Steamboat Inspecto

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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, 1880; their Class and Horse-power; whether of Wood or Iron; their Gross and Registered Tonnage; where Built, and where and how Employed.		Where and how Employed.	United States
o, or laid up, as unf ad Horse-power; wk ad how Employed.	1041	Where Built.	United States Freight Winnipeg Freight
lass an here ar	2117	Registered Ton-	33.7
ost, broken up, or their Class and t, and where and t	TO TIVE	Gross Tonnage.	38
els los: 1880; t Built, a		Wood or Iron.	poo M
r of Steam Vess 31st December, I onnage; where		Class.	Side-wheel do
fumber ended ered T		Horse-	
Statement of the N during the Year Gross and Regist		Name of Vessel.	Swallow Prince Rupert

Steamboat Inspector.

the Year ended and Registered 7	umber the 31: Fonnag	EMENT of the Number of Steam Vessels lost, broken up, or laid up, as us the Year ended the 31st December, 1880; their Class and Horse-power; and Registered Tonnage; where Built, and where and how Employed. BRITISH COLUMBIA DIVISION.	is lost, leo; the and w	broken ir Clas rhere a	up, or s and I nd hov	lost, broken up, or laid up, as unfit for; their Class and Horse-power; wheth and where and how Employed. BRITISH COLUMBIA DIVISION.	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, 1880; 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-	. Class.	Wood or Iron.	Gross Tonnage.	Registered. Ton- nage.	Where Built.	Where and how Employed,	
		,						
Marten	41	.4 Stern-wheel Wood	Wood	375.59		Kamloops	282.51 Kamloops Passenger and freight, Kamloops Lake.	
Glenora	41.4	ор	op	do 193 40		149.32 Victoria, B.C Freight-boat, Fraser River.	Freight-boat, Fraser River.	
3. Sily.	2.3	Screw	т ор	00.6	4.15	4.15 Burrard Inlet Ferry-boat, Burrard Inlet.	Ferry-boat, Burrard Inlet.	
•	_	•			-			_

THOMAS WESTGARTH, Steamboat Inspe

APPENDIX No. 3.

								 ,				
	Sea-going 0, to 31st	Amount.	€9-	009	2,500	200	9,000 cargo 15,000	Not known. Ballast.	8,000 c'go unkn'n.	10,000 cargo 7,000	5,000 cargo 330	1,200
	eign 8:y, 188	Total or Partial Loss.		Partial.	op	do	Total	Partial.	Total	т ор	ор	ор
	Fol nual	Lives Lost.		:	•	i		i				•
	nadian and from 1st Ja	Cause of Casualty.		Stress of wea-	Essex;	Stress of weather.		Not known Partial., Not known. Ballast.	Sprung a leak.	Stress of wea-	Stranded Sprung a leak.	ther.
	ritish, Car r waters,	Nature of Casaulty.		Loss of spars	Collision	Loss of sails,	Cellision	Collision with pier.	Stranded	Abandoned at sea.	Stranded	do
No. 3.	occurred to British, Canadian and Foreign Sea-going Vessels in other waters, from 1st January, 1880, to 31st	Place where Casualty happened		30 miles E. of Cape Sable.	to Ant-Flushing Road Collision Bssex;	Coast of G.B.; place not stated,	25 miles from Mal- aga.	to Liverpool Collision with pi	Los Palmas, Can- ary Islands.	Lat. 41° N., Lon. Abandoned 31° W. at sea.	Foul ground, St.	Western Flats, Rustico Harbor.
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, 1880, to 31st December, 1880.	Port sailed from Port bound to.		Windsor, N.S Brigantine 178 Ponce, P. R. to Bos-30 miles E. of Cape Loss of spars Stress of wes Partial Sable.	1017 Baltimore to Ant-	854 Plymouth, G.B., to Coast of G.B.; Loss of sails, Stress of wea Baltimore, U.S place not stated, &c. ther.	200 Gibraltar to Alicante 25 miles from Mal-Cellision	210 Liverpool, G.B., to Runcoon.	190 Leghorn to Baltimore Los Palmas, Can-Stranded Sprung a leak.	265 London to New Haven.	214 Windsor, N.S., to Philadelphia.	48 Sydney, C.B., to Rustico, P.E.I.
	por	Register Tonnage.		178	101	854					214	
	nalties re and to Ca	Rig		Brigantine		op	ec Brigantine	op	op	··· op	Brig	Schooner
	ss and Casian waters,	Port of Registry.		Windsor, N.S.	Yarmouth, N.S Barque	7 Windsor, N.S.	Quebec	Charlottetown P.E.L	Liverpool, N.S.	Shelburne, N.B	American Brig	8 Charlottetown Schooner
	recl nad 80.	Age.		**	φ	~	10	~	•	9	13	
	EMENT of Wrecks of Vessels in Canadian December, 1880.	Name F of Vessel.		3 Arabel	6 A.F.Stoneman	8 Alice Cooper	6 Alexina	14 Arthur.	30 Adelaide	Mar. 23 Annie Whar-	April 30 Annie Gard-	June 22 Ancilla
	STATE V D	Date of Casualty.			. 181 181 33		g op	do 14	Jan. 30	Mar. 23	April 30	June 22

8,000 3,000 2,500 3,000 250 Not known. No cargo. 3,500 15,00) 000 000 Amount. ... Trilling. cargo cargo cargo Total.... : : Partial.. Partial. Con'd.. ross. Lightning, | Total Total ф qo ဝှ ф Total or Partial : : ::: Lives Lost. Mouth of Parrsboro Stranded | Squall Fog..... Current 770 Quebec to Liverpool, Near Pillars Light, Strained Stress of weawea-199 New York to Canary Lat. 39° N., Lon. Dismasted.... Cyclone 61° 35′ W. Canted from Unknown..... Cause of Casualty. STATEMENT of Wrecks and Casualties to Sea-going Vessels.—Continued. 307 Pictou, N.S. to New-Cape Jack Ledges. Stranded. ... Stress of ф ф wharf and strained. 41 Cardigan, P.E.I., to 70 miles S.W. from Dismasted & St. Pierre Miquelon Cape Ray. Wraton's Harbor, Struck by N.S. lightning. at anchor. Casualty. Nature of q ф ခ့ Pictou, N.S., to Mon-Richibucto, N.S to Great Bear Rock, Western Channel where Casualty Barclay Sound. Zouaves Reef, Hayti. happened. At St. John. Barclay Sound to Uelulet Arm, Bar-clay Sound. Lying at St. John, 45 Yarmouth to Shel-Port sailed from. Port bound to. 344 Ganderfoird to Parrsboro, N.S. 122 Port an Prince to Boston. 573 ဓွ 231 Register Tonnage. Yarmouth, N.S. Schooner. ... 1 Charlottetown Brigantine ... Halifax, N.S... Brigantine... Barque.. Seconer Schooner St. John, N.B. Schooner. ... Balifax, N.S... Brig...... : Rig. Barque ဝှ Picteu, N.S.... Victoria, B.C. North Shields. Ganderfolrd, Lunenburg, N.S. Port of Registry. Norway, 14 Age. 15 14 23 22 22 26 Alonzo.... 19 Aspotogan..... 14 Agincourt Notkn'n Active..... Alert 16'Arthur..... A. McLeod.... 27 Aldytha Amanda..... 23 Amiel Name of Vessel. Date of Casualty. Aug. May July May Oct. မှ g 134

77	V ICI	Oria,	•		Ses	sion	ai P	apers	3 (1)	0, 1	1.)			Α.	1881
200 c'go. no loss.	2,500 cargo 250	Partial. Triffing.	100	8,500 cargo 6,800	800 c'go. no loss.	200	150	7,000 no cargo.	No damage.	15,060	30,000 c'go 100,000	300	1,000 cargo triffing	Triffing.	450 no ca: go.
Partial	Total	Partial .	т ор	Total	Partial	do	op	Total		Total	ор	op	Partial	op	đo
<u>!</u>			į	-		•				į	į		_ ; _		
op	Unknown	Smokey wea-	Ice	N., Foundered Stress of wea-	··· op	Wheel - chains broke.	Squall	Fog	Error of judg- ment.	Dense fog-	Stranded Loss of spars	Wharf, Grushed by Fall of tide N.B. two other vessels.	Low water on the bar.	S. "Lake Champlain."	der & other Icedamage.
[Dismasted	Took fire	Stranded	Cut by ice	Foundered	Sprung a leak.	Rudder un-	of Loss of spars	Stranded	op	Collision	Stranded	Grushed by two other vessels.	Stranded Low water the bar.	Collision	St. Law- Loss of rud- der & other damage.
55 miles S. S. W. of Mount Desert.	River to St. 12 miles off Liver- Took fire Unknown	4 miles E. of Mani-Stranded	Latitude 46° 31' N., Cut by ice Ice Lon 58° 4' W.	Latit, 32° 25' N., Lon. 62° 5' W.	to Off Yarmouth, N.S.	Off St. Mary's River, N.S.	Hali-16 miles south of Cape Sable.	Split Rock Cove,	Montreal Harbour.	Lat. 41° 40' N., Collision	Beaver Island Ledge, N.S.	to Rankin's Wharf, St. John, N.B.	to Cheticamp Bar	Montreal Collision S.	
94 New York to St. John 55 miles S. S. W. of Dismasted.	55 Jordan River to St. Pierre Miquelon.	611 Pictou, M. S., to Montreal.	1523 Genoa to Quebec	167 Lunenburg to Ponce, Latit, 32° 25' N Porto Rico.	St. John, N.B., Galway, Ireland	87 Pictou to Halifax Off. Ri	86 Porto Rico to Hali- fax, N.S.	295 Boston to St. John, N.B.	Steamer 1217 Montreal to London. Montreal Harbeur.	453 New York to Dijon, Lat. 41° Lon. 51°	737 New Orleans to Trieste.	62 Sheffeld, N.B., to St John, N.B.	65 Cheticamp, C.B., to St. John's, Nfid.	1228 At Montreal	26 Liverpool, G.B Barque 1325 Liverpool to Quebec. Gulf of rence.
-			. 152		243		· ·		-		. 13			122	132
op /	de	N.S Barque	Ship	Brigantine	Erig	N.S. Steamer	Brigantine.	Nor-Barque	Steamer	Barquentine.	Ship	Schooner	d o	Steamer	Barque
St. John, N.B.	Shelburne, N.S	14 Halifax, N.S	Liverpool, G.B Ship	Lunenburg, N.S.	Liverpool, G.B Erig	Halifax, N.S.	Barrington, N.S	Arendal, Norway.	Dundee	Windsor, N.S.	New York Ship	St. John, N.B.	Halifax, N.S	Newcastle, G.B.	Liverpool, G.B
8	က	14	16	ო	**	∞	91	33	61	10	23	12	14	69	56
6'Arcilla	19 Abdiel	Sept. 17 Alice Roy	6 Albertine	Ang. 29 Anna	Nov. 21 Ann	9 Albert	1 Bertha	10 Bellons	8 Bareelona	5 Birdstow	24 Borneo	21 Billow	Sept. 24 Busy William	30 Bothal	May 15 Belgravia
Nov.	do	Sept. 1	Мау	Aug. 29	Nov. 21	в	Jan. 1	135 135	June 8	do 5	Apr. 24	July 21	Sept. 24	Oct. 30	May 16

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

												==
Amount.	4	e'go not k'n.	17.000 c'go not k'n.	19,000 cargo 1,000	20	5,000 cargo 750	13,000 cargo unk'n	750	10,000	1,200 cargo 120	100	c'go no loss
lairra To lato' Lozes.	.	Total	op	Partial.	т ор	Total	т ор	Partial	щ ор	Total	Partial.	go go
ives Lost.	Ι	•	20			:	13				•	<u> </u>
Cause of Casualty.		Sable Stranded Vessel unman Total ageable.	Stress of wea- ther.	т ор	Bad steering of barge Mohawk	Stranded Error of judg-	Not known	do	Bank off the wharf.	Stress of wea-	Whirlwind	Calm and currents.
Nature of Casualty.		Stranded	Loss of sails and vessel iced up.	Channel, Stranded	Collision	Stranded	Missing	Collision	Stranded	qo	Capsized	Stranded
Place where Casualty happened.		Bar, ıd.	Bescai River, Anti- costi.	щ	Montreal Harbour, Collision	Columbine shoals of Magdalen Isl'ds	to Not known Missing Not known	to Off Musquash L'gt, Collision Bay of Fundy.	Harbour of Quebec	to Mira Bay, C.B	to Miramichi River Capsized Whirlwind	to Meeganes Island, Stranded Calm and cur-
Port sailed from.		21 Pictou, N.S., to Tra-N. E. Islan	870 Quebec to Glasgow Boscai River, Anti-Loss of sails Stress of wea- costi. and vessel ther.	678 Portland, Oregon, to North Victoria, B.C.	At Montreal	396 Maryport to Quebec. Columbine of Magdale	755 New Orleans to Rouez, France.	1026 St. John, N.B., to Sharpmess Point.	1045 Greeneck to Quebec. Harbour of Quebec Stranded	46 Sydney, C.B., to	14 Tracadie, N B., to Newcastle, N.B.	551 St. John, N.B., to Honflewr, France.
gister Tonnage.	ਬ			678	27	988		1026	1085		14	
Eig.		Schooner	Barque	Steamer	ф ор	port, G.B. Brig	outh, N.S Barque	ф ор	owShip	Medway, Schooner	ob	Barque
Port of Registry.		Miramichi Schooner	Liverpool, G B Barque	American Steamer	Montreal	Mary	Yarmouth, N.S	St. John, N.B.	Glasgow	Port N.S	Chatham, N.B.	St. John, N.B. Barque
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Name of Vessel.		8 Bride	Nov. 22 Bristolian	11 California	29 C. W. Jones	4 Congress	2 C. F. Elwell	19 Carrier Dove	28 City of Dunidin 17 Glass	July 15 Clara Jane	Aug. 16 Caughnawaga	May 24 C. E. Robinson
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6 Glasgow		:		:		Partial.		:	:		: -			: -	:
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Aug. 15 G do 18 G May 1 G Not k'n G Not k'n G Nov. 23 G Nov. 22 G Nov. 22 G Nov. 22 G Nov. 22 G Nov. 22 G Nov. 22 G Nov. 22 G Nov. 22 G	6 Glasgow Steamer	10 Shelburne, N.S Brigantine 99 Lo	24 London Barque	18 Greenock do 1320 Glasgow	2 Charlottetown Barquentine 560 Swanses P.E.L.	22 do Schooner 49 Pi		5 Maitland, N.S. do 896 Drobeck	5 Lunenburg, Barque 411 N	7 Halifax, N.S Schooner 33		St. John, N.B. Scheoner 114 St. John,	Port Medway, do	St. John, N.B. do 109 Harvey, Boston.	Malcom- 18 Liverpool, G. B. Barque 1213 Liverpool, St. Jehn,
Aug. May Not k Not k Not. Not. Not.	6 Glasgow Steamer	10 Shelburne, N.S Brigantine 99 Lo	24 London Barque	18 Greenock do 1320 Glasgow	2 Charlottetown Barquentine 560 Swanses P.E.L.	22 do Schooner 49 Pi		5 Maitland, N.S. do 896 Drobeck	5 Lunenburg, Barque 411 N	7 Halifax, N.S Schooner 33		St. John, N.B. Scheoner 114 St. John,	Port Medway, do	St. John, N.B. do 109 Harvey, Boston.	avid Malcom- 18 Liverpool, G. B Barque 1213 Liverpool, son.
TISTER SECTION OF FIRST	6 Glasgow Steamer	10 Shelburne, N.S Brigantine 99 Lo	24 London Barque	18 Greenock do 1320 Glasgow	2 Charlottetown Barquentine 560 Swanses P.E.L.	22 do Schooner 49 Pi		5 Maitland, N.S. do 896 Drobeck	5 Lunenburg, Barque 411 N	7 Halifax, N.S Schooner 33		St. John, N.B. Scheoner 114 St. John,	Port Medway, do	St. John, N.B. do 109 Harvey, Boston.	6 David Malcom- 18 Liverpool, G. B Barque 1213 Liverpool, 80a.
	6 Glasgow Steamer	18 Caroni 10 Shelburne, N.S Brigantine 99 Lo	24 London Barque	1 Cavour 18 Greenock do 1320 Glasgow	2 Charlottetown Barquentine 560 Swanses P.E.L.	22 do Schooner 49 Pi		5 Maitland, N.S. do 896 Drobeck	5 Lunenburg, Barque 411 N	7 Halifax, N.S Schooner 33	4 Coringa 1	7 Champion St. John, N.B. Scheoner 114 St. John, N.B. Scheoner	15 C. A. Meniac. Port Medway, do	25 Delta 109 Harvey, B.C. do 109 Harvey, Boston.	6 David Malcom- 18 Liverpool, G. B Barque 1213 Liverpool, son.

STATEMENT of Wrecks and Casualties to Sea-going Vessels-Continued.

Amount.	2,6⊕0 cargo 300	400	c'go no loss	5,000 cargo 8,000	585	900 cargo 300	09	18,000	 18,000 cargo 15,000	9,000 cargo 650	40,000 cargo 88,000
Total or Partial	Partial.	ор	do	Total	Partial.	- op	do	Total	•••• ор	ф	ф
Lives Lost.			7			•	;	1	71		22
Cause of Casualty.	Strong gale;	Cyclone	Not known	Hurricane	Fishing vessel.	Compass out of order.	Stress of wea-	Error of judg- ment.	Not known	Fog.	Not known
Nature of Casualty.	of Abandoned, Dismasted	Dismasted	Broke shaft	Abandoned	Collision	Stranded	Loss of masts and sails.	Stranded	Foundered	Stranded	Missing
Place where Casualty happened.		St. Lat. 42° N., Lon. Dismasted Cyclone	Var. 5 miles SE, from Broke shaft. Not known	to Lat. 262 38' N., Abandoned Hurricane	to Near Calais, France Collision Fishing vessel.	Black Rock, 3 miles east of Partridge Island.	Near Kingstown, Ireland.	to Negro Head, near Stranded	to Not known Foundered Not known	to Cape Negro, N.S Stranded	Not known
Port sailed from. Port bound to.	109 St. John to Boston 20 miles NW. Briar Island.	288 New York to St. John's, Nfid.	510 Westport to Yar- mouth, N.S.	Halifar, N.S., to Kiagston, Jam.	661 Dunkirk, France, to Baltimore, U.S.	79 Upper Salmon River, Black Rock, 3 miles Stranded Compass out of N.B., to St. John. east of Partridge order.	290 Troon to Havana Near Kingstown, Loss of maste Stress of weg.	651 Newport, Waler, to	413 Portland, Me., to Falmouth, G.B.	295 Sydney, C.B., to Annapolis.	St. John, N.B. Ship 1233 New Orleans to Calais, Not known Missing Not known
Register Tonnage.	103	288	210	128	199	79	230	651	413	295	
Big	Schooner	Barquentine	Steamer	N.S Brigantine	apolis, N.S Barque	ohn, N.B. Schooner	Brigantine	Barque	ф	y, N.S Brigantine	Ship
Port of Registry.	St. John, N.B.	Arichat, C.B Barquentine	14 Yarmouth, N.S Steamer	Halifax, N.S	Annapolis, N.S	St. John, N.B.	qo	op	Quebec	Digby, N.S	St. John, N.B.
, δge.	00	4	4	14	4	4	60	=	10	-1	∞
Name of Vessel.	Notkn'n Delta	9 Dominique	18 Dominion	Dalta	27 E. D. Bigelow.	6 Ettawanda	9 Emily Ray- mond.	8 Eblana	Not k'n Emma V	Sept. 28 Ellen C	Not k'n Edith Troop
Date of Casualty.	Notkn'n	Sept. 9		88 	Jan. 27	g op	Feb. 9	Mar. 8	Not k'n	Sept. 28	Not k'n

Partial Unknown, cargo do	10,000 no cargo.	13,000 cargo 4,200	343 c'rgo,no loss	350	1,000	18,000 No cargo.	100	1,300 cargo 260	Not known.	175 c'go,noloss,	5,250 go,noloss.	2,500 cargo 500	1,000 cargo 250	8,000 Ballast.	120
	=_	•			:	<u>z</u>	- <u>;</u>		<u> </u>	_; <u>~</u> -		<u>-</u> -		<u>m</u>	- <u>-</u> -
artis	do	Total.	artia	qo	otal.	op	Partial	ф	фo	ф	qo	Total	ф	ф	artia
-	•	<u>-</u>	Partial	<u>-</u> -	Total		<u>a</u> ;		:	<u> </u>	:	<u>-</u> -			Partial
<u>:</u>	i.		<u> </u>	<u>:</u>					-	<u>;</u>					-
•	f jud	f We		Alhambra S.S.	f Wea-	Error of judg- ment.	Not known	Strong current		ii ▼	f wea-		f wer-		
фo	ror of ment.	ress o	qo	amb	Stress of ther.	ror of ment.	kno	ng c		now l.	er.		ress of ther.	ф	do d
<u> </u>	Error of judg- ment.	N.; Abandoned. Stress of wea-					Not		Fog	33 Glace Bay to Halifax, Off Touchee, G.B., Collision Unknown ves-	Ham-Off Owers' Light Loss of spars Stress of Vessel, English and sails. ther. Channel.	Frog	$\tilde{\mathbf{x}}$		
to Justes Kay, Baha-Stranded		ned	n	į	In-Stranded	i	154 Montreal, ferry boat. Montreal Harbour. Collision	off Stranded	•	j.	spars tils.	Bay, Stranded	•		487 Liverpool to Halifax, Halifax Harbour Collision
ande	ор	nndo	lisio	ф	ande	g o	lisio	ınde	do	lisio	s of s nd se	ande	ф	qo	lisio
Str		¥ p _i	Halifax Harbour Collision		Str		C ₀	gtr		[0 ₀]	F 8 1	Stra			5
Salia	g of		ur	ur		rd Rock, one of the Magdalen Is- lands.	our.		Har-	C.B.	jght glish	Bay,	Anti-	west of Harbour,	our
ау,	t en land	0 I0' W	arbo	arbo	ntrance to Ingonish Harbour.	k, or gdale	Harl	outh	s.	, 96	. E	r's	ау,	west Harbot	larb
.¥4 21. oj	hwes ar Is	22° n. 59	ax H	ах Н	ance nish	rd Roci the Mag lands.	real	r's I rtsm	hitehaven bour, N.S.	onc	f Owers Vessel, Channel	t. Peter's C.B.	ish B iti.	miles Savage P.E.I.	ax E
Justes mas.	Soutl Bri	to Lat. 22° 10' Lon. 59° W.	Halif	Halifax Harbour	Entrance to gonish Harb	Bird Rock, the Magd lands.	Mont	to Bager's Point, H. Portsmouth.	to Whitehaven bour, N.S.	L HO	Off Ve Ch	ت. ت	English Bay, costi.	San P. J	Halif
	London to St. John, Southwest end N.B. Briar Island.			-	ż	ay,	ost.	H. Co	\$	fax,	 g	152 Louisburg to Halifax; St.	ti-	Jue.	fax,
ortland, U.S., Sagua, W.I.	t. Jo	N.S.,	Halifax,		Aspey Bay to Bay St. Lawrence, C.B	Norway,	ry b	ngan, C.B., to Portsmouth, N.H.	P.E.I., N.S.	Halii	to H	Hali	W. Point Anti- costi to Mingan.	lpec	Hali
, W.	to S	(/2	to	3X	ay to nce,	၁	, fer	G. noutl	o's.	y to		g to	Poin o Mi	to Ma	5
lland gua,	don B.	Lockeport, Barbadoes.	don S.	At Halifax	ey Ba	ndfjord, } to Quebec.	treal	gan; ortsn	and	S. Ba	elaware burg.	sbur S.	W. osti t	eira E.I.	r Sign
310 Portland,	Lon N.	ತ	136 London N.S.	At E	Asp	Sanc	Mon	213 Lingan; Portsn	Crapaud, Halifax, I	Glaci N.	808 Delaware burg.	Logi N.	48 S.	187 Madeira to Malpecque P.E.I.	Live N.
310	1247	98		40	41	1014 Sandfjord, to Quebe	154	213		33	808	152	48	187	
Andrews, Brigantine		ne	Schooner	i				. 90			•		•	90	
gan ti	••••d	an ti	0000	_	•	Barque	Steamer	Brigantine	Schooner	đo		ооре	do	anti	ine
Bri	obn, N.B. Ship	burne, N.S Brigantine.	Sch	유 	ခွ		Stea	Brig	Sch		Yarmouth, N.S Barque	N.S Schooner		Swansea, G.B. Brigantine	Bar
rews	N.B.	S.N.	G.B	N.S.	5 û	egian		lsor, N.S.	N.S.	:	X.S.	82	 G	G.B.	G.B
And 3.	obn,	urne	Đ Ši	N,	ıbur.	egia.		sor,	X,	qo	outh		ď.	sea,	pood
St.	St. J	Shelb	Тоже	8 Halifax,	uner N.S	Norw	Montreal	Wind	Halifax,	Ģ	ara m	Halifax,) as p	жап	iver
16	91	<u></u>	- 2		<u>-1</u>	25 N	-	P	<u> </u>	19		12 H	19 Gaspé, P.Q		19 Liverpool, G.B Barque
E. A. Barnard. 16 St.		<u></u>	<u>.</u>	•	Feb Frank Newton 13 Lunenburg, N.S.						25 Freeman Den- 15 nis.			- <u></u> -	
3arn		line.	J. 6	į	Vewt	Ler	į	• Ma	0 0	u	n De		Fish.		
A . E	rydio	ange	meline king.	88 A	nk Ì	ten s	gate.	renc	гепс	nkli	reema. nis.	edon	ning	odore	zel
	Sept. 13 Eurydice	30 Evangeline	21 Emeline Jen- kins.	23 Eliza A	Fra	31 Festen a Lente	Filgate	EJuly 17 Florence May	Oct. 17 Florence C	Sept Franklin		Freedom.	Plying Fish	22 Feodore	Oct. 23 Finzel
ф	pt. 1				:			, T	1.	ţ.					.; ;;
	Sej	do	Oct.	g	Feb	Мау	June	120	Oct	Sep	Oct.	Dec.	Nov.	ф	Oct
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VesselsContinued.
o Sea-going
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Casualties 4
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f Wrecks an
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STATEMENT C

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A mount.	\$ 40	8,000	4,000	2,000	250	40,000 cargo30,000	10,000 cargo 750	50,000 cargo21, 0 00	800 300	8,000 cargo no loss	4,000 cargo 2,500
						Gar			cargo	Gari	car
Total or Partial Loss.	Partial	Total	т ор	Partial.	do	tal	do	do	Partial.	do .	6 Total
Lives Lost.		음	<u></u>			Total		10			6 To
420 1 022;1	<u> </u>						<u> </u>		- <u>;</u>		
Cause of asualty.	k-out		Stress of wea- ther.				f we		£ we	•	₩ Æ
Cause of Casualty	d loo	ģa.	tress (ф		ද්ග	ess cher.	50	ress c	ф	t kno
	Ba	-F	<u>x</u>	<u></u>		F	<u>x</u>	Fo.			»
Nature of Casualty.	ion	ded	ded,	f sail	ged b	led.	loned	led	sted .	ಜ ೬ ೩ .	ed
Na Cast	Collis	Stranded Fog	Stran	Loss o	Dama ice.	Stranc	A band	Stran	Disma	Sprung Jeak	Japsiz
alty	n	ਚ	Port,	Gulf of Mexico Loss of sails,	. of	Hol-		Sable Stranded Fog	N.S., Gulf Stream Dismasted Stress of wea-	Lon.	at. 41° 24' N., Capsized Not known
Place where Casualty happened.	(a.rbo	Co	rth il'd S	exic	N. A.	in g ,	Севл		am.	ž.	24,
P) lere hapi	fax H	oner	No.	of M	miles N. Cape Ray.	s h• 11i id.	atic (ast end Island.	Stre	56° W.	41° a. 63
. ▲p	Hali	to Schooner Cove, Vancouver Isl'	Near Lo	Gulf	12 E	Tersche land.	Atlan	East Isl	Gulf	Lat.	to Lat. 41° Lon. 63°
.o.	Vest-		Ne W		treal	Bre-	otte-	New East Isla	S.	-del-	\$
Port sailed from.	loucester to West	icisco B.C.	on to	ans	Mon	a to	harl		တ္လုံ	Phile	N.S.,
t bou	ster	an Francisco Seabeck, B.C.	Ď.	Orle	os ₩	lphi	te C	as .	wate	\$	
Port Por	88 Gloucester to West-Halifax Harbour Collision Bad look-out	San Francisco Seabsck, B.C.	New Leadon to New Near North Port, Stranded, York.	693 New Orleans to Rouen.	lasgo	hilade men.	233 Cadiz to Charlotte-Atlantic Ocean Abandoned Stress of weatown, P.E.I.	otterds York,	ridgewater, to Barbadoes.	remen phia.	armouth, Autigua.
Register Tonnage.		648	152	- 8	pool, G B Steamer 1319 Glasgow to Montreal 12 miles N. W. of Damaged by Ice Cape Ray.	sor, N.S., Barque 1179 Philadelphia to Bre-Torscholling, Hol-Stranded Fog	333	1049 Rotterdam to York,	162 Bridgewater, to Barbado	1137 Bremen to Philadel- Lat. 56° N., Lon. Sprung phia.	Schooner 115 Yarmouth,
.•	Sebooner						:				:
Rig	100ne	· enb.	ganti	dae	amer.	que	qo	d	çanti	ċ	oone
		, Bar	Bri	Bar	Ster.	Bar		Ship.	Bris	Shij	Zeb
r i	псвп	Francisco, Barque	Windsor, N.S., Brigantine	outh, N.S Barque	Ð.'1	N .S.	town	•	S. K.	N.Y.	:
Port of legistry.	Tical	Fran al.	dsor,	nout	rpoo]	dsor,	lotte E.I.	ф	erst,	outh	do
ğ 	<u>А</u>	26 San F	Win	Yarm	Liver	Wind	Charlottetown P.E.I.		Amberst, IN.S. Brigantine	6 Yarmouth, N.S Ship	
Αge.	10		=	13	64	64	4	m	24	9	15
9 ;	6 Grace L. Fears	14 General Cobb	3 Guisborough 11	7 Geo. Peabody.			Apr. 12 G. W. Wake-	:	isier	•	i
Name of Vessel.	• L.]	ral C	50 ro t	Peak	01	ts	¥ :	olier	Pell	Bell.	ator
	Grac	Gene	Guis}	G ●0.	Govino	19 Goletta	G. W	3 Gondolier	Geal, Pellisier	30 Geo. Bell	Gladiator
· Aliminano to ore-		14					12 (- :	8	<u> </u>
Date of Casualty.	Jan.	do	Feb.	qo	Мау	Feb.	Apr.	June		Mar.	
	•		14 0		•	• •	7	•	•	~	-

600 cargo 163	Triffing.	qo	Not known.	2,500 cargo 250	Seriously damaged. Amount not known.	2,149 cargo 3,000	1,500 cargo 3,000	Partial. Not known,	250 c'go. no loss.	1,000 cargo none.	300	40,000 cargo 60,000	100	20,000 cargo unk'n
op	Partial., Triffing.	do	do	op	op	ор	Total	Partial.	т ор	ор	т ор	Total	Partial	Total
				į	-	_ :								
Tide	Stress of wea-	op	Ice	Sprung a l'k Stress of wea-	Ice	Fog	Dragged an- chors.	Error of judg	Unknown schooner.	Stress of weather.	Fouled by Emiline Jenkins.	Stress of wea-	Fog	N., Lon. Waterlogg'd Sprung a leak.
Stranded	т ор	N., Loss of sails.	St. Law- Cut by ice	Sprung a l'k	Collision with ice.	Stranded	op	qo	Collision	Stranded	Collision	Abandoned	Collision	Waterlogg'd & abandoned
to Blind Island Falls, Stranded Tide	Near St. Ann's, Riv.St.Lawrence			to Off Balinac Island	to Off Belle Isle Collision	mile north of Stranded False Cape, U.S.	Cape St. George, N'fid.	San Albert Head, B.C	Near Bic, River St. Lawrence.	English Bay, Anti-Stranded	to Halifax Harbour Collision.	Ant-Lat. 42° N., Lon. Abandoned. Stress of wea	Near St. Paul's Island, Gulf of St Lawrence.	Lat. 50° N., Lon. 21° W.
42 St. John, N.B., to Salmon River.	654 Glasgow to Quebec	London to Annapo- Lat. 45° 10' lis. Lon. 34° W.	1331 Bristol to Montreal Gulf of rence.	185 Departure Bay to Fort Simpson.	1265 Barrow, G. B., to Montreal.	1061 Bremen to Baltimore	47 Halifax to Bay St. George, NH'd.	795 Nanaimo to San Francisco.	1061 Quebec to Liverpool. Near Bic, River St. Collision	46 Point St. Peter, P.Q. to Anticosti.	122 Descouse, C.B., to Halifax, N.S.	5	Hamburg to Quebec. Near St. Paul's Is- land, Gulf of St Lawrence.	1163 Quebec to Liverpool. Lat. 50° 21° W.
_	654	450	1331	185	1265	1001	47	795	1001	46		1153	894	1163
Woodboat	Barque	olis, N.S Barquentine	wSteamer	ф	op	Ship	N.S Schooner	Steamer	uth, N.S Ship	Schooner	ор	Ship	Barque	Ship
St. John, N.B. Woodboat	Quebcc	Annapolis, N.S	Glasgo	Victoria, B.C	Newcastle, G.B.	12 Windsor, N.S	Halifax,	9 North Shields	Yarmo	Jersey	Halifax, N.S	Annapolis, N.S. Ship 1153 New York werp.	gian	St. John, N.B.
6	16	20	10		87		12		Ξ	18	16	9	Not k'n.	18
9 Gold Hunter	18 Guiona	Feb. 13 Geo. E. Corbett	Galatea	Nov. 30 Grappler	29 Hurworth	April 16 Hannah Morris	ESept. 20 Highland Lass	20 Hylton Castle.	Sept Herbert Beech	1 Hasty	23 Horton	22 Isabell Mott	16 [ona Not Norwe	30 India
Nov	Oct. 18	Feb. 15		Nov. 30	Aug. 29	April 16	141 141	Oct. 20	Sept	Nov. 1	Oct. 23	Mar. 22	May 16	Oct. 36

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=	n t.	400 loss.	10,000	5,000 loss.	350	wn.	4c,000	25,000	26,000 \kn'n.	6,000	4,000	15,000 t.
	Amount.	\$ 400 c'go. no loss	cargo	c'go ne loss.		Not known.			26,000 e'go unkn'n.	rargo	cargo	lt ballast.
•	Total or Partial Loss.	Partial.	Total	Partial .	т ор	op	Total	ф	ор	op	op	Partial .
ļ	Lives Lost.						-	•	•			
Continued.	Cause of Casualty.	Fog	Stress of wea- ther.	Stranded Want of pilot	Collision Not known	Stress of wea-	op	ор	Sprung a leak	Mirstays	Stress of wea	Fog
Vessels.—Continued	Nature of Casualty.	Stranded	Dismasted	Stranded	Collision	Loss of spars	Abandoned	Foundered .	Abandoned .	Stranded	ор	Collision
to Sea-going	Place where Casualty bappened.	Bar-Rifleman's Keef,	During the voyage Dismasted Stress of wea-	Cape Henlopen, U.S.	to Off N. W. end Middle Island, Miramichi.	Atlantic Ocean Loss of spars Stress of wea-	Lat. 30° N., Lon. Abandoned 38° 30' W.	60 miles E. of Peter Head, G.B.	to Phila-Lat. 55° N., Lon. Abandoned. Sprung a leak 14° 34' W.	Batrance to Locke-Stranded port, N.S.	North Coast, P.E.I.	Off Dungeness, G.B Collision Fog Partial
Casualties	Port sailed from.	65 Perce R. to Bar- badoes.	266 Port Caledonia, N.S., to St. John, N.B.	136 Guadaloup to Phila- Cape Henlopen, delphia.	523 Newcastle, N.B., to Liverpool, G.B.	576 Tralee to Baltimore.	1274 Glasgow to New York.	490 Koningsburg to New 60 miles E. of Peter Foundered Head, G.B.	649 Greenock to Phila- delphia.	Boston to P.E.L	Canso to North Bay. North Coast, P.E.I.	to New
ks	Register Tonnage.				523	576	1274		679	08	8	1546
r of Wrecks and	Rig	P.Q Schooner	hn, N.B. Brigantine	Schooner	Barque	ор	Ship	Brigantine	Barque	Schooner	ор	Ship
STATEMENT of	Port of Registry.	Gaspė, P.Q	St. John, N.B.	op	Miramichi, N.B Barque	Charlottetown P.E.I.	Yarmouth, N.S Ship	5 Dorchester, N.B.	Charlottetown Barque P.E.I.	Yarmouth, N.S Schooner	Shelburne, N.S	3 Maitland, N.S. Ship 1546 Hamburg
	A gre.	70	20	∞	10	יס	∞	rO.	9	-	10	8
	Name of Versel.	23 Ideal	JohnD.Tupper	7 J. L. Cotter	June 11 Jardine Bros	Notkn'n Josephine	17 J. S. Wright	24 Johany Smith.	15 James Peake	30 John C.Newell	23 J. J. Bill	Sept. 15 Joseph
	Date of Casualty.	June 28	Jan. 1	April 7	June 1]	Notkn'r	Мау 17	June 24	Mar. 15	Oct. 30	do 23	Sept. 1

						_		•	.,					
200	25,000 20,000	1,000	6, 000 800	10 W в	4C0 240	town; tow- Jrook-	6,000	5,000 no loss	6,500	800	1,600	2,500	3,500	30,000
	c'go		cargo	Not kr	cargo	Not known vessel tow ed in Crook haver, Ireland.	cargo	c'go. n	cargo					cargó
do	Total	Partial.	Total	Partial Not known	op	op	Total	Partial.	Total	Partial.	e op	Total	Partial	otal
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wea-	dg-	obe	judg-	-	₩ea		- -		:	sel.	ore.	-Sp	₩ea	 -
	of ju t.	ntbr	of ju t.			s a le	of ₩	_		g ves	π Jo	of ju		s s le
Stress of ther.	Error of judg	Str.Wi	Error of ment.	F0g	Stress of ther	Sprung a leak.	Stress of wea-	qo	do	Fishing vessel.	Want of more sail.	Error of judg- ment.	Stress of ther.	Sprung
	<u>:</u>				ಹ		:	on nds.					· 63	.per
ор	Barque 1035 New York to Dublin, 11 miles from Wex-Stranded ford, 1reland.	Bor-Chesapeak Bay Collision Str. Winthrope	op	Stoney Beach, en-Stranded trance to Halifax Harbour,	N., Sprung leak.	N., Abandoned	op	951 Hull to New York Atlantic Ocean Thrown on beam ends.	Fisherman's Island Stranded. near Jonesport, Me.	to Off Quelboeuf, Collision	Stranded	Henry, Collision	Demerara. Off Lisbon, Portu-Sprung	N, Lon. Abandoned. Sprung a leak Total
	Vex-	Ī	Lon.	en-		Ä,×	×,×	:	land	- , n e	.;.	nry,	rtu-	Lon.
to Cape Canso.	miles from W ford, 1reland.	к Вау	N., Lon.	oney Beach, en- trance to Halifax Harbour,	rt, 26° 30' Lon. 59., W.	tt. 48° 43' Lon. 21., 45'	t. 39°, 59' Lon. 60°, 30'	Осеві	an's Island Jonesport,	1 b o 6	oul ground, S John Harbour.		a, Po	, z
Сап	les fr d, lre	apeal	42° W.	oney Ber trance to Harbour,	26° n. 59	48° n. 21.,	39°,	atic (rmar rr J	f Que	gro in Hg	Cape 3.	isboı	52° ₩.
¢a pe	II mi fore	Ches	Lat. 4	Stone tra Ha	Lat, 26° Lon. 59	Lat. Lo	Lat. Log	Atlaı	Fisherm near Me.	Off (Foul Job	Off. O	Off Li gal.	Lat. 25°
, to	lin	30r-				372 Barrow, G.B., to New Lat.	196 Bridgewater, N.S., to Lat. Barbadoes.	 	 -	3.B.	984 Delaware Breakw'ter Foul to St. John, N.B. Joh	Demerara to N. York Off Cape U.S.	ara	899 Troon to Montreal Lat. 52° 25° W.
N.S.	Dub	to _	d to	iverp	Geor	, to]	N	Yor		France, sboro', (eakw n, N.	Ä.	mer	ntre
ax, N	rk to		[slan sport	to L	ick, o Jan	g. B	rater idoes	New	n, N York	Frs esbo	re Br Job	ra to	to D	o Mo
y V. Halif	w Y	ltimor desux.	Turk's Island Lockeport, N	assau N.S.	unswick, Georgia, to Rio Janeiro	rrow, York.	idgewater, Barbadoes.	11 to	. John, N. New York.	nen, France, to Middlesboro', G.B.	laware Breakw'te to St. John, N.B.	mera	rdiff	oon t
33/Bay Verte, N.B., Halifax, N.S.	- Ne	710 Baltimore deaux.	90 Tu	196 Nassau to Liverpool, N.S.	299 Brunswick, Georgia, to Rio Janeiro	72 Ba	96 Bri	-11En	299 St. John, N.B., New York.	742 Rouen, Midd	⁴⁴ -	08 D	278 Cardiff to	- Tree
	103					16							_:-	
ner.		:	ıer	tine.		•			tine			er	tine	
2 Charlottetown Schooner	arque	ф	Shelburne, N.S Schooner	N.S Brigantine	qo	do	qo	Barque	ın, N.B Brigantine	N.B. Barque	qo	Parrsboro', N.S Schooner	7 Charlottetown Brigantine P.E.L.	N.B. Barque
S nwa	N.S.	N.B.	<u>8</u>		B.			-S-P	- B	-8. -8.	<u> </u>	83.	B	.в.
otteto I.	or, N	a,	rne, 1	7. N.	11, N.B.	N.S	. N.S.	uth, N.S	N, u	N, ac	uth, N.S	oro',1	tteto [.	ដ
harle PE	Windsor,	Chatha	nelbu	Halifax	St. Joh	4 Pictou,	Halifax,	Yarmo	St. Joh	St. Job	Yarmo	nrrsb	harlo P.E.	Job.
2	_₩_	_ <u>C</u> _	4 <u>S</u>	Н		4	- E	-X-	<u>x</u>	<u>~</u>	<u>X</u> 6	1 P	_ <u>c</u>	_ <u>x</u>
J. W. Allen	419							- :				:	<u>.</u>	
Ailer	.Har	vine.	i.	fcD0	o nan o	 g	ИсДо	נטטי.	meq:	ite w	į	forri	West	: :
A	hn A	te Ir	ewat	te J gall.	te U	ldone	te l	it Č	te U	ttie S	nnie.	zie 1	. ₹ 8 ₹.	bano
	23 70	13 Kate Irvine	29 Keewatin	5 Ka	28 Kate Upham	24 Kildonan	18 Ka	17 Ka	23 Ka	- 18. - Lo	4 Lennie	7 Lizzie Morris	_글ੂ_	_ <u></u>
Dec.	Nov. 23 John A. Harvie	Jan. 1	Mar. 2	April 5 Kate McDou-gall.	Feb. 2	May 2	CJuly 28 Kate McDou-	April 17 Kate Cann	Oct. 23 Kate Upham 16	Jan. 26 Lottie Stewart	Feb.	Jan.	Feb. 16 L. J. Westa-	Ap'l 17'Lebanon 10 St. Joh
4	Z	ŗ	×	4	Ř	Ä	143	4	Ō	Ja	Ä	3	Ħ	4

STATEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.

==	unt.	10,000	600 10 loss	1,000	ing.	3,000	.g a	2,200	800 450	own. unk'n	1,800
	Amount.		600 cargo no loss		Triffing.	cargo	Triffing.	cargo	cargo	Unknown. cargo unk'n	cargo
	Total or Partial Loss,	Total	Partial	. op	op	. op	op	rotal	ор	Partial.	Fotal
İ	Lives Lost.			i		i	•				
-Continued.	Casualty.	Uaknown	Cove, Collision Thick weather Partial	Fog	Current	Hurricane	Error of judg- ment.	Sprung a leak.	Stress of wea- ther.	Schr. Farewell	Capsized
v essels–	Nature of Casualty.	Stranded	Collision	Reef, Stranded Fog	Collision	Damaged at Sea.	Stranded	Foundered	Loss of sp'rs, sails and rudder.	Collision	Foundered
to Sea-going	Place where Casualty happened.	Cape Diable, S.W. 2 miles, River St. Lawrence.	to Gulliver's Cove,	t o Patterson's Reef, Big Island, Meri- gonish.	Montreal Harbour	to Atlantic Damaged at Hurricane	Near Crane Island, Stranded Error of judg Riv. St. Lawr'ce	4 miles S.S.W. of Green Isl'd, Cape Breton.	28 miles S. of Cape Pine.	Lake St. Petcr, Riv. St. Lawrence.	N.B., to Off West Quoddy Foundered Capsized Total
Wiecks and Casualties to Dea-going Vessels—Continued.	Port sailed from. Port bound to.	Liverpool Barque 1031 Liverpool to Quebec Cape Diable, S.W. Stranded Unknown Lawrence.	91 St. John, N.B., to Boston.	149 Charlottetown to Pictou, N.S.	treal Steamer 1437 Liverpool to Montr'l Montreal Harbour Collision Current	148 Halifax, N.S., to Kingston, Jam.	Yarmouth, N.S Barque 1122 Quebec to Dublin	36 Louisburg to Halifax 4 miles S.S.W. of Foundered Sprung a leak Total Green Isl'd, Cape Breton.	98 Pugwash to St. Pierre 28 miles S. of Cape Loss of sp'rs, Stress of wea Miduelon. rudder.		John, Iew York
CKS	Register Tonnage.	1031			1437		1122	36	- 86	1132	115 St.
NT OF M LC	Rig.	Barque	ohn, N.B Schooner	rlottetown Brigantine B.I.	Steamer	fax, N.S Brigantine	Barque	ax, N.S Schooner	ор	Steamer	Schooner
STATEMENT OF	Port of Registry.		St. J	Charlottetown P.E.I.	Mon	Halifax, N.S		Hali	Digby, N.S	London	St. John, N.B., Schooner
	Age.			-	ب <u>ہ</u>	m 	ю -	16	25	es	16
	Name of Vessel.	27 Latona	8 Little Annie	25 Louise	30 Lake Cham- plain.	Lorne	23 Lizzie Perry	Nov. 26 Lucretia	l Lively	Nov. 17 Lombard	9 Madeira
	Date of Casualty.	Мау 27	July 8	74 Aug. 25	Oct. 30	Aug	July 23	Nov. 26	Dec. 1	Nov. 17	Jan. 9

								,	. (-						
400	200	20,000 cargo unk'n	ng.	Not known.	25,000 cargo10,500	2,000	200	No loss. cargo 1,750	1,200	1,000	600 270	2,500	5,600	500	1,000
.		cargo	Triffing.	Not k	cargo			No loss.	cargo	cargo	cargo			cargo	
tial.	do	a.	Partial	ор	Total	Partial	ф	do ob	Total	Partial	do	т ор	op	ор	op
Partial.	₹ 	Total.						- - -						₽ 	·
				<u>.</u>	by				- !		-	<u> </u>			
n,	hang d.	Sprung a leak.	Bad steering	f wea-		Error of judg- ment.	мп	:	Error of judg- ment.	F0g.		wea-	•	Cargo shifted, and stress of weather.	Spark from Gregory's mill
киом	idden cha of wind.	gun	stee	Stress of ther.	nage e.	rror of ment.	Not known	:	ror of ment.		•	Stress of ther.	qo	rrgo shif and stres weather.	rk gory
Unl	S Sud				Dan ic	<u> </u>		F0g			원 	Stre		చ	
on	spar	oned.	on	ed	ered	ed	on	ed	•	•		ted	ed	pa	ire
New New York Bay Collision Unknown,	N., Lon. Loss of spars Sudden change	Abandoned	Montreal Harbour. Collision	to Margaree Beach Stranded	1285 Liverpool to Quebec Cape Ray, N.E. by Foundered Damaged N., 20 miles.	Stranded	N.S. 25 miles east of St. Collision Paul's Island.	602 London to Quebec Miramichi Bar Stranded	qo	qo	qo	Lon. Dismasted	Stranded	U.S., Atlantic Ocean Capsized	outh Rodney Took fire Wharf, St. John, N.B.
<u>-</u>	on.	from A	ur.	_ <u>x</u>	by	Point, S	St.	<u>-02</u>	nd,	nd,	nt,		. S . S	<u></u>	bn,
Bay	ľ., Ľ	fr wn.	arbo	seach	N.E. iles.	Poi Ch C	N.S. miles east of Paul's Island.	Bar	Island,	to St. John's Island,	Point,	ĭ	to Harrgan Cove, N.S.	севп.	Rodi it. Jo
York	85° N W.	0 miles f. Queenstown.	eal H	ree I	Ray, 20 m	ubnico Yarmouth	les ea ll's Is	ichi	nain	. John's Reef, Me.	en bo	. N . N . M	ап С	tic O	th arf, S
Vew]	to Lat. 35° 60° W.	410 Que	fontr	sarg9	Jape N.,	Pubnico Yarmo	N.S. 25 mile Paul	Иігап	fourii N.B	st. Jo	Shebo N.S.	at. 4	Iarrg	Atlan	N.B
Vew !	to	to 4	:	_g	pec		Quebec'	 S	53 Shediac, N. B., to Mur- Jourimain ray Harbour, P. E. I		Boston to Halifax Cheboque N.S.	621 Cork to New York Lat. 45° N.,			1071 At St. John, N.B
to 1	Spain, ork.	η g ι		™.⊠.	on Care	Halifax,	Que	nepe	., to) ur, P	N.B.,	alifax	7 Yor	G.B.,	- •	N.B.
	Sp.	boro nore.	al	ž	ol to	to	ool to	to Q	N.B		to He	New	ol, ax, N	'illia rbade	ſobn,
verpo York.	343 Bilboa, Sp New York	Middlesborough Baltimore.	397 Montreal	45 Halifax, N Margaree.	verpo	100 Boston N.S.	580 Liverpool to	nopu	ediac ray H	St. John, Boston.	ston	ork to	527 Liverpool, G. Halifax, N.S.	Port William, to Barbadoes	St.
83 Li	43 Bi	693 Mi	97 MG	45 Hs	85 [[.	_0B	80 <u>Li</u>	02 Lc	23 Sh	106 St	89 Bo	_; <u>;</u> _	27_Li	47 Pc	-11 <u>A</u> -
,113								<u>-</u> -							_ <u>- </u>
	ntine	e.	•	oner.		ntine		:	ner.	op	do		:	ner,	
Ship.	Brigantine	Barque	Barge	Schooner	ool, G.B Ship	Brigantine	Barque	qo	Schooner	ą	p	Yarmouth, N.S Barque	do	Schooner	Barque
N.S.	N.B.	:		N.S.	G, B	N.S.	ool, G.B			S.S.	C.B	N.	gian	:	
lsor,		qo			pool,	J.	pool,	port.		sor, l	эу, С	outh,	egian	r, N.S	onder and.
Winc	St John,		Montre	7 Pictou,	26 Liverp	Halifa	29 Liverp	26 Maryport	10 Quebec.	Windsor, N.S.	Sydney,	Yarm	Norw	Digby,	20 Londonderry, Ireland.
91	က	-4		1-	26	4	53	56	91	12	20	12	:	67	8
Feb. 28 Marlborough 16 Windsor, N.S. Ship 1383 Liverpool York.	Ker-	Mar-	-	Mary	tar	•		•			27 Matilda Hope-		July Martha Norwe	9 MaggieBlanche	
boro	Р.	I.A.	wk	aret l	ing S		 A	rd	Aln	1ta	дв. П.	ourne	18	ie Bla	sh a bs
Mari	17 Mary A. Kersten.	Mary sba	29 Mohawk	7 Margaret Mary	7 Morning Star	21 Maida	17 Mersey	22 Mallard	11 Maria Alma	5 Malanta	Matilda well.	25 Melbourne	Marth	Маgg	Minn(
. 28		Mar. 19 Mary A. Mar- shall.		7-	-=	21			==				- =		July 14 Minnehaba
Feb	do	Mar.	May	do	qo	qo	qo	့	do	July	qo	May	July	Sept.	July
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essels-Continued.
\triangleright
o Sea-going
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d Casualties
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STATEMENT OF

	Amount.	600 cargo 100	3,000 c'rgo,no loss	3,000 cargo 3,000	e'go, no loss	400 no cargo	1,800 c'go, no loss	006	7,000 cargo 5,362	2,000 cargo unk'n	c'go, no loss
	Total or Partial	Partial	op	- op	· op	Total	Partial	op	Total	Partial.	Total
	Lives Lost.	•	67	:			•				
ntinued.	Gause of Casualty.	Darkness	Sudden squall.	Stress of wea-	op	op	Sudden shift of Partial wind.	Error of judg- ment.	Carried away anchor.	Fog and heavy Partial.	Darkness Total
$_{ m ssels}-C_{o}$	Nature of Gasualty.	Stranded	Loss of spars	do sails, etc.	Grand Loss of sails.	Stranded	op	ф	qo	ф	op
o Sea-going Ve	Place where Casualty happened.	Reef off Ellenwood, Island, N.S.	Lat. 42° 30' N.; Lon. 57° 25' W.	Lat. 37° N.; Lon. 62° 10' W.	to South end Grand Manan, Bay of Fundy.	14 miles west of North Cape, P.E.I	Little River Harbour.	N.W. Point Ellen- wood Island, one of Tusket Islands	to Little River, Me	White Shoal, Sheet Harbour, N.S.	Jerseyman's Island
ITEMENT of Wrecks and Casualties to Sea-going Vessels—Continued.	Port sailed from. Port bound to.	88 Pictou, N.S., to Yar-Reef off Ellenwood Stranded Darkness	527 Dantzig to Philadel-Lat. 42° 30' N.; Loss of spars Sudden squall. phis. Lon. 57° 25' W.	314 New York to Monte Lat. 37° N.; Lon. Video.	343 St. John, N.B., to Marseilles.	33 West Cape, P.E.I., 12 miles west of Stranded to Shediac, N.B. North Cape, P.E.I	343 Little River, Me., to Little River Har- Margeilles.	Protou, N.S., to Yar- N.W. Point Ellen- mouth, N.S. wood Island, one of Tusket Islands	689 St. John, N.B., to London.	244 Canso to Balifax, N.S. White Shoal, Sheet Harbour, N.S.	24 Arichat, C.B Jerseyman's Island
ks 8	Register Tonnage.	88	527	314	343	33	343	28	689	244	45
tr of Wreck	Эй	Schooner	German Barque	Brigantine	Brig	Schooner	Brig	Schooner	stians, Barque	Steamer	Schooner
STATEMEN	Port of Registry.	Miramichi, N.B Schooner		Liverpool, N.S Brigantine	St. John, N.B. Brig	15 Charlottetowa Schooner	St. John, N.B. Brig	Miramichi, N.B Schooner	Christiana, Norway.	Halifax, N.S Steamer	ор
	Age.	80	14	9	က	15	က	00	- 13	=	24
	Name of Vessel.	Sept. 23 Maria Catha-	29 Margarethal 14 North Blanca.	Sept. 2 M. P. Harring-	23 Mary A. Kers- ten.	7 Mystery	30 Mary A. Kers- ten.	Maria Calha- rine.	12 Miramichi	Sept. 15 M. A. Starr	7 Mary McKenzie
	Date of Casualty.	Sept. 23	July 29	Sept. 2	Oct. 23	Aug. 7	Oct. 30	do 1	Nov. 12	Sept. 15	0ct. 7

	bessional Lapers (110. 11.)									n	, 1001				
1,000 argo 150	1,378 cargo 1,589	800 cargo 4,000	Partial., Triffing	94	1,706	40 cargo 340	210	25,000	15,000 cargo unk'n	150	350 c'go no loss.	225	12,000 cargo unk'n.	4,300 No cargo.	11,000
Partial.	မွ	Total	Partial	 ор	op 	. op	Partial	Total	Partial.	op	ор	op	Total	Partial.	Total
<u> </u>			_			_			of			_ •			•
N. ; Dismasted Stress of wea- Partial	op	of D is masted Jib stay broke.	Stress of wea-	Barque Finzel.	••••••	Stress of wea-	ор	ор	ند	Point, Collision Unknown	Stress of wea-	Error of judg- ment.	Stress of wea-	Fault of steam-	Unknown
Dismasted	Loss of spars	Dismasted and aban- doned.	Stranded	Collision		of Stranded Stress of ther.	of Loss of spars	Abandoned.	York Har-Burnt Explosion	Collision	Loss of sails	Collision	Abandoned	of Collision	Stranded
41° 30' n. 65° W.	Gulf Stream	miles West st. Pierre diquelon.	Crapand Harbour, P.E.I.	to Halifax Harbour Collision	••••••	miles north Rockport, Me.	12 miles east Portland.	Lat. 39° N.; Lon. 50° 10' W.	New bour.	80	New Near Briar Island, Loss of sails Stress of N.S.	to Halifax Harbour Collision	Atlautic Ocean Abandoned Stress of ther.	14 miles north longship's ligk	to Mon. West and of Green Stranded Unknown Island River St. Lawrence.
270 Bridgewater to Dem- Lat.	314 Buenos Ayres to New Gulf Stream Loss of spars York.	37 Liscomb, N.S., to St. 25 Pierre et Miquelon.	31 Charlottetown to Crapaud Harbour, Stranded	96.Sydney, C.B., to Halifar, N.S.		65 Monoton, N.B., to 4 Salem, Mass.	60 Portland, Me., to St. John, N.B.	846 Baltimore to London- Lat. 39° N.; Lon. Abandoned. derry.	547 At New York	1177 Rangoon to Queens. Elephant town.	Windsor to New York.	235 Sydney, C.B., to Halifax, N.S.	531 Philadelphia to Newry, Ireland.	729 Rouen to Working-	365 Barbadoes to Mon- treal.
	314	37.	31	-8i96 	409	65.1	9 09 H	346 <mark>B</mark>	547 A		168 -	235 S	531 P	. 29 H	365 - B
pool, N.S. Brigantine	ор	Schooner	ор	ф ор	Barque		Schooner			do1	N.S. Schooner		chi Barque	op	op
6 Liverpool, N.S	Halifax, N.S	Guysboro, N.S	Chatham, N.B	Arichat, C.B	S.	St. John, N.B.	N.B.	Yarmouth, N.S Barque	Windsor, N.S	Quebec	Windsor, N.S	Parrsboro', N.S. Brigantine	Miramichi	Pictou, N.S	Fleetwood
	10	•	•	∞	13	12	13	6 0	01	123	6	-	-		9
23 Maggie	16 Mary Agnes	7 Margaret Guysboro, N.S Schooner	21 Miramichi	23 Mary Matilda	Not k'n. Mary A. Nelson 12 Maitland,	Sept. 6 Mary A 12	April 30 New England. 18 St. John,	Mar. 28 Nenuphar	10 Nixtaux	Napier	23 Newport	6 Orloff	21 Ophir	Feb. 11 Orquel	24 Our Annie
	91 .		21	23	K'n.	-5-		28	10					=	
do	Mar.	Nov.	qo	0et.	Not 1	Sept.	A pṛil	Mar;	May	July	Oct.	J.	Mar.	Feb.	May
,	. 11	a—10	1/2	-			•	147	. •	-	_	-			· e

 Vessels—Continued.
Sea-going
and Casualties to
W recks and
STATEMENT OF

	Amount.	\$ 21,000	5,000 3,968	6,000 2,000	15,000 cargo unk'n.	325,000 c'go 160,000	5,000	3,000	85,000 60,000	300	Not known;
	Ame		cargo	cargo		c'go 16			cargo		Not known;
	Total or Partial section.	Total	op	Partial	Total	op	op	do	do	Partial	щ о р
	Lives Lost.	:	•			•	;	•			-
	Cauec of Casualty.	Heavy field ice setting on sh're	Thick fog	Brror of judg	Waterlog'ed Sprung a leak. & abandon'd	Roche, Stranded Buoys carried	Stress of wea-	Error of judg-	op	Stress of wea-	Fleating ice
	Nature of Casualty.	Stranded	ão	••• op		Stranded	ор	ор	Stranded on a ledge off Cape Sable, and found-ered.	Sprung a l'k	Collision with ice.
)	Place where Casualty happened.	to Isle aux Maitres, 16 Stranded miles east of Cape Ray.	to Near Custer, Me., U.S.	to Between Narrow & Pole Island, B. C.	Off Anticosti	St. Ls	Grand Eddy Point, N.S.	Nancy Shoal, N.S.	West Cape Sable, N.S	to Gulf Stream Sprung a l'k Stress of ther.	to Mouth of Gulf of Collision Fleating ice St. Lawrence. with ice.
	Port sailed from. Port bound to.	gemouth. Barque 1056 Grangemouth to Quebec.	466 St John, N.B., to Hull, G.B.	289 Victoria, B C., to Essington.	860 Quebec to Greenock, Off Anticosti	Montreal to Liver-Cape pool. Riv.	139 Boston, U.S., to Yar-Grand Eddy Point, mouth.	77 Georgetown, P.E.I., to Halifax.	704 Boston to West Hartlepool.	556 Coosan, U.S., to Dublin,	860 Sydney, C.B., to Montreal.
	Register Tonnage.	1056	466	289	.008	2431		7.2	407	556	098
	Rig.	Barque	ор	G.B. Steamer	Barque,	Steamer	Brigantine	Schooner	G.B.	Barque	Steamer
	Port of Registry.	Grangemouth	Russian	London,	Glasgow	Liverpool, G.B Steamer 2431 Montreal pool.	Yarmouth, N.S Brigantine	Chatham, N.B Schooner	West pool,	Windsor, N.S.	German Steamer
	V ge.	61	16	88	12	-	- ∞		10	œ	
The second secon	Name of Vessel.	13 Ontario	July 10 Orion	Aug. 21 Otter	Nov. 22 Oriana	21 Ottawa	3 Pronto	Providence	26 Para	18 Pactolus	14 Prince Wil- helm.
	Date of Gasualty.	May 13	July 10	17 · Sn V 148	Nov. 22	do 21	Feb. 3	Jan.	Feb. 26	do 18	Мяу 14

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2,000	cargo,unk'n	1,500	50,000 cargo70,000	30,000 cargounk'n.	7,000 cargo10,000	3,000 cargo 3,551	1,200	25,000 cargo unk'n	Not known.	1,200 cargo 400	5,000 no cargo.	Partial Not known.	300 ballast.	3,500 cargo 300	5,567 cargo unk'n
ор	Total	Partial.	Total	ор	ор	op	ф	ф	Partial	Total	т ор	Partıal	т ор	Total	Partial.
		<u> </u>	•	٠,	:			•	-		;	•	•	•	
Sprung a leak.	Stress of weather.	lce	Sands, Stranded Error of judg-	Stress of wea- ther.	Snow storm	Error of com-	Foundered Not known	Fog	Current	Misstayed	Strong current	fress of wea-	op op		Stress of wearther.
Sprunk a l'k	Stranded	Rudder bro- ken.	Stranded	Foundered	Stranded	ор	Foundered	Stranded	op	op	op	Collision	op	Stranded Fog	qo
!Platon Reef, River Sprunk a l'k Sprung a leak. St. Lawrence. & grounded	Morgan Cape, near Georgetown, P.E.I.	to 50 miles off Flint Rudder bro- Ice ken.	Ham-Goodwin Sands, G.B.	Lat 38° 15' N., Foundered Lon. 64° 7' W.	to Dela-Ice-breaker, Lewis, Stranded akwater. Del.	to Salvage Rock,	to Off Lingan, C.B.	Phila-Harbour Island,	Shag ledge, off Cape Island, N.S.	fishing La Have ledge, N.S	Charlot-Shoal Point, N.S	Harbour of Quebec	Ballast ground, Quebec.	Locke-Jumping Jack ledge, N.S.	Bar at Natal Harbour.
ор ор	19 Margaree to George- town, P.E.I.	193 Channel, Nfld., to Louisburg, C.B.	Baltimore to Ham- burg.	856 Mobile Bay to Belfast Lat 38° Lon. 64	190 Demerara to Dela- ware Breakwater.	97 St. John, N.B., to Port Amboy, N.J	60 Cow Bay, C.B., to St. Johl, N.B.	991 Antwerp to Philadelphia.	29 Yarmouth to Canso	49 Halifax on a fishing voyage.	183 Madeira to Charlot- tetown.	Glasgow to Quebec. Harbour of Quebec Collision	Newcastle, G.B. Ship 2006 London to Quebec	67 Halifax to Locke- port, N.S.	367 New York to Natal Bar at Natal Har-
524	19 W	193 C	1097 B	856 M	190 D	-16 S-	09	∀ 166	29 Y	49 H	183 M	1156	7 <u>900</u>	67.B	367 N
ор	Schooner	n's, Nfid Steamer		Barque	Brigantine	Schooner	ор	Barque	Schooner	ф ор	Brig	Barque	Ship	rne, N.S Schooner	Barquentine
Sunderland	Charlottetown Schooner	St. John's, Nfid	Yarmouth, N.S Ship	Glasgow	Charlottetown Brigantine P. E. I.	St. John, N.3.	Sydney, C.B	Yarmouth, N.S.	ep	Barrington, N.S.	Aberystwith, G.B.	Glasgow	Newcastle, G.B.	Shelburne, N.S	Windsor, N.S. Barquentine
01	6	61	10	=	10	4	13	4	9	21	15	31	27	9	
July 21:Polino 10 Sunderland	14 Plover	Plover	Sept. 20 Paul Boyton	March 20 Queen of Hearts.	2 Quango	5 Riverside	6 Repeal	6 Reviewer	Sept Ripple	Aug. 17 Rose Standish.	12 Retriever	Sept. 27 Ronochan	27 Red Jacket	25 Royal Arch	21 Richard Pearse 11
July	do	Мау	Sept. 2	March 2	Feb.	qo		.8n ∀ .49	Sept	Aug. 1	Oct. 1	Sept. 2	do 2	Nov. 2	Mar. 2

Vessels—Continued.
Sea-going
to
Casualties
s and
of Wrecks
Jo
STATEMENT

Amount.	922	cargo total not known.	1,700 cargo 175	18,000 cargo 4,525	25,000 cargo unk'n.	30	6,000 cargo unk'n.	5,000 cargo unk'n.	3,500 cargo unk'n.	2,000 cargo 1,000
Total or Partial Loss.	Partial.	Total	do	op	ф	Partial.	Total	ор	op	op
Lives Lost.	<u>_</u>					:			<u> </u>	
Casuse of Casualty.	Lightning Partial.	Stress of wea-	do	op	Unknown	Barge Mo- bawk.	Sprung a leak.	Unseaworthy.	Thick rain	Fog.
Nature of Casualty.	Struck by	Loss of sails, etc., etc.	Stranded	Dismasted & abandoned	Stranded	Collision	Condemned.	Condemned as unsea-worthy.	Stranded	qo
Place where Casualty happened.	Lat. 43° 38' N., Struck by	Lon. 59° 45' W. Lat. 46° 42' N., Lon. 7° 53' W.	West Black Ledge, entrance to Can- so Harbour.	to Lat. 45° 11' N., Dismasted & Lon. 42° 8' W. abandoned	Zandvoot, Holland	Montreal Harbour.	Lat. 24° 41' N., Lon. 80° 28' W.	At Key West	7 miles east from West Point, An- ticosti.	St. Schooner Reef
Port sailed from. Port bound to.	n to New	647 New York to Roche- Lat. 46° 42' N., Loss of sails, Stress of wea Total fort, France. Lon. 7° 53' W. etc., etc.	Louisburg to Halifax West Black Ledge, Stranded so Harbour.	489 St. John, N.B., to Penarth, G.B.	783 New York to Rotter-Zandvoot, Holland Stranded Unknown	366 At Montreal Montreal Harbour. Collision Barge haw	325 Sagua la Grande to Lat. 24º 41' N., Condemned. Sprung a leak Total New York.	245 Cienfuegos to Boston At Key West Condemned Unseaworthy as unsea-	Ges Quebec to Bristol 7 miles east from Stranded Thick rain West Point, Anticosti.	New York to
Register Tonnage.			54	489	783	998	325	245	569	283
E ë	sor, N.S. Brigantine	Barque	Schooner	ohn, N.B. Barque	ф ор	eal Steamer	urne, N.S Brigantine	т ор	Barque	do 283
Port of Registry.	Wind	Picto	Guysboro', N.S. Schooner	St. John, N.B	ор	Monti	Shelburne, N.S	Sydney, C.B	Gottenburg	Turk's Island
Aze.	1	G	•	6	9	ന	12	Ħ		
Name of Vessel.	Sept. 15 Rosella Smith.	Nov. 14 Rio de la Plata	9 Samuel	20 Silver Cloud	1 St. Nicholas	29 Star	11 Speed	30 Seaside.	June 22 Selina	5 Sam Shepherd 22
Date of Casualty.	Sept. 15	Nov. 14		do 20	Jan. 1	May 29	Feb. 11	Jan. 30	June 22	July 5

						1							
2 6 ,000	ballast.	1,000	10	2,500	200	300	1,600	1,500 go no loss.	8,000 cargo total unknown.	1,500	6,000	2,500	1,200 cargo total 1,800
cargo	ball							ું છ	carg		cargo		
op	Partial	de	ون ن	Total	Partial	go .	Total	Partial	Total	op	 op	Partial	Total
	:												
ор	Ice	amp room Unknown	Anchors did not bring vessel up.	Schr. David	Explosion on board barque Nixtaux.	Want of lights on other yes-	Stranded Misstayed	Squall	Beach, Stranded Fog	Stress of wea-	op	do & ice.	Error of judg- ment.
ор	Out by ice	<u> </u>	Collision	ф	Damaged by Explosion fire. board bar	Collision	Stranded	Dismasted	Stranded	op	N., Dismasted & W. abandoned.	Rudder broken.	Stranded
False Cape Cove, St. Mary's Bay, Nfid.	Norway, Mouth of Gulf St. Cut by ice Ice Lawrence.	to Commissioners' Wharf, Montreal	Montreal,	to Near Handkerchief Lightvessel, Vin-	Hunter's Point, New York.	10 miles N.W. from Cape Jack.	a fishing Strawberry Point, Ketch Harbour,	Ha. 45 miles N. N. E. Digmasted from St. Paul's Isl.		Halifax, Main-à-Dieu Beach, C.B.	Lat. 27° 25' N., Lon. 69° 54' W.	Newfoundland Banks.	Harbour to Black Prince Rock, Stranded Error of judg-
571'St. Mary's Harbour, False (N. 180's to Cow Bay, St. 180's C.B.	597 Drammen, Norway, to Quebec.	1149 Barrow, G.B., to Montreal.	240 Pernambuco to Mon-Montreal, Collision	126 Windsor, N.S., to New York.	200 At New York Hunter's Point, New York.	286 Port Hawkesbury to 10 miles N.W. from Collision Cape Jack.	Halifax, on a fishing voyage.	104 Henley, N'fid, to Halifax, N.S.	NewYork toSt.Johns Langlade N'fid.	61 Cow Bay to Halifax, N.S.	209 Bridgewater, N.S., to Lat. 27° 25' Havana.	750 Cardiff to New York Newfoundland Banks.	31 Coddles Harbour to Halifax.
571	597	1149			200		211		173	61	209	750	31
ор	ор	G.B Steamer	Brigantine	Schooner	ф	Steamer	N.S Schooner	op .	ф	ф	ool, N.S Brigantine	ermany Schooner	op
8 St. John, N.B	Norwegian	Shields, G.B	Quebec	Parrsboro', N.S.	Windsor, N.S	St. John, N.B., Steamer	Halifax, N.S	ор	7 Parrsboro, N.S	Sydney, C.B	Liverp	Kiel, Germany	Guysboro, N.S.
-		20	က	∞	<u>-</u>	19	31	12	-	12	0.	ю	4
20 Saguenay	Saga	21 Stetvio	9 S. Fortin	July 18 Sea Lion	Aug. 16 Southern Home.	1 Scuda	June 10 Sarah E. Snow	Oct Star of the Sea	3 Souvenir	31 Sylvan	Aug. 26 S. A. Spow	Nov. 11 Schleswig	Oct, 17 Stranger
do 2	April 19 to May 20	July 21	Aug. 9	July 18	A ug. 16	7 0 151	June 10	0ct	do 3	do 31	Aug. 26	Nov. 11	Oct. 17

STATEMENT of Wrecks and Casualties to Sea-going Vessels-Continued.

	Amount.	\$ 8,000 cargo total 6,000	55,000 ballast.	3,000	50,000 cargo 7,000	c'go no loss.	c'go no loss.	Not known c'go no loss.	2,200	Not Not known known ballast.	35,000 cargo total 8,610
	Total or Partial Loss.	7 Total	op	ф	do	Partial .	т ор	т ор	т ор	Not known.	4 Total
	Lives Lost.						Ą.				
Continued.	Cause of Casualty.	Not known	Thick fog	ор	Fault of the tugs.	Stress of wea-	Misstays	Stress of wea- ther.	Error of judg- ment.	Mistook the lights.	Stress of wea-
Vessels—(Nature of Casualty.	Foundered	Stranded	т ор	··· op	Loss of spars and sails.	Stranded	Dismasted	Stranded	op	Abandoned
to Sea-going	Place where Gasualty happened.	Unknown	Borne Reefs, Holland.	Eastern Head, entrance to Liver-	to Gabrioli Reef, B.C.	During the voyage	Arichat Harbour	Trini- Atlantic Ocean Dismasted Stress of wea-	New Liv'pool Cove Riv.St. Lawrence,	to Chat-Near North Cape,	to Lat. 45° N., Lon. Abandoned Stress of wea- 30° W.
Statement of Wiecks and Casualties to Sea-going Vessels—Continued.	Port sailed from.	126 Halifax to St. Tho-Unknown Foundered Not known mas, W.I.	Yarmouth, N.S. Ship 1070 Bremer Haven to De. Borne Reefs, Hol-Stranded Thick fog land.	46 Lunenburg to Liver- Eastern Head, en- france to Liver- pool, N.S. pool Harbour.	B. C.,	476 Hull, G.B., to New During the voyage Loss of spars Stress of wea York.	96 Barbadoes to Arichat Arichat Harbour Stranded Misstay3	143 Shelburne to Trini- dad, W.I.	886 Bristol to Quebec New Liv'pool Cove Stranded	886 Liverpool to Chatham, N.B.	N.B.,
ks	Register Tonnage.		1070		1512		96	143	886	988	1057
r of Wre	Rig.	x, N.S Brigantine	Ship	Schooner	Me Ship 1512 Nanaimo,	Brigantine	op	op	Ship	фор	Barque
STATEMEN	Port of Registry.	Halifax, N.S	Yarmouth, N.S.	Shelburne, N. S. Schooner	Bath, Me	St. John, N.B. Brigantine	Not Jersey, G.B	new Shelburne, N.S	Bristol	Bristol	St. John, N.B. Barque 1057 St. John, London.
	Age.	new	67	8	4	61	Not k'n.	new	33	======================================	
	Name of Vessel.	Not k'n, Stag new Halifa	25 Tollington	L July 14 Tropic Bird	14 Thrasher	10 Tempest	21 Tickler	1 Twilight	4 Transit	24 Transit	22 Ulster
The state of the s	Date of Casualty.	Not k'n.	Jan. 25	⁵ 152	do 14	Jan. 10	Oct. 21	Sept. 1	June 4	Oct. 24	Feb. 22

							1	. (,				
45,000	Partial Triffing.	1,000	6'go. no loss.	10,000 cargo 1,500	5,000 ballast.	930 c'go. no loss.	12,000 cargo 2,735	200 no cargo.	Not known.	Triffing.	10,000 cargo unk'n	600 cargo unk'n.	Not known.	750 cargo unk'n.
ор	Partial	ф	т ор	Total	op	Partial	Total	Partial.	т ор	op	qo	Total	Partial.	т ор
7		•		7						;	•			
op	Taking the ground at the wharf.	Stress of wea-	ор	Sprung a leak.	Force of tide	No lights on other vessel.	Stress of wea-	Error of judg- ment.	Buoy out of place.	F0g	Ice	. Unknown	lce	Error of judg-
Stranded	with	Dismasted	Stranded	ор	qo	Collision No lights other vess	Waterlogg'd Stress of & dismasted ther,	Collision	Stranded	Stranded	Law-Loss of rud-Ice der and cut by ice.		Law- Cut by ice Ice	Stranded
New Near Cleggan, Ire-Stranded	Quebec Harbour	Not known, Atlan- tic.	Skinners Reef,near Stranded Pictou, N.S.	Whale Point, Ba- hamas.	Wey-Gull Rock, S.W. of Briar Island, N.S	Musquash light, bearing N.W.6 or 7 miles.	During the voyage.	Glou- Middle Island, Mi-Collision	Roaring Bull Rock, Stranded	Near Pointe-aux- Trembles, River St. Lawrence.	St.	Port Medway Har-Burnt	st.	Entrance to Cape Negro Harbour.
1022 Waterford to New York.	18 Quebec tug Quebec Harbour Filled	182 Bridgewater, N.S., to Not known, Atlan-Dismasted.	9. Chatham, N.B., to Boston.	208 Inagua, W.I., to Boston.	282 Barbadoes to Wey- mouth, N.S.	535 St. John, N.B to Brietol.	404 St. John, N.B., to Barcelona.	Miramichi to Glou- cester, G.B.	Canso	19 Montreal Steamer 1407 Montreal to Glasgow Near Street St. 1	943 Liverpool to Mon-Gulf of treal.	At Port Medway	1435 Bristol to Quebec Gulf of rence.	266 Clyde River, N.S., to Entrance to Cape Stranded Error of judg Lockport, N.S. Negro Harbour.
1022	81	182	16	208	282	535	404	651	81	1407	943	10	1435	266
qo	Steamer	Brigantine	Schooner	Brigantine	Brig	burgBarque	Brigantine	Barque	Schooner	Steamer	Barque	Schooner	Ship	Brigantine.
2 Yarmouth, N.S	Quebec Steamer	Amherst, N.S. Brigantine	Miramichi, N.B Schooner	Lunenburg, N.S.	Yarmouth, N.S Brig	Gottenburg	St. John, N.B. Brigantine	Sweden	American Schooner.	Montreal	London	4 Port Medway, Schooner.	13 Quebec	7 Shelburne, N.S Brigantine .
	20	14	ţ.	9		23	10	17	13	62	4	4	13	-1
Jan. 6 Verity	April 29 Victor	Unkn'n, Victoria Amelia.	Aug. 26 Vigilance	Oct. 26 Victor	Mar. 22 Willie '10	19 William and Anna.	Feb. 19 Wanderer	June 11 Werdenhislen. 17	31 Wm. R. Page	Aug. 11 Waldensian	April 17 Winimera 1 to May 19.	Oct. 22 W. H. Smith	May 6-18 Westminster	Aug. 26 Wapite
Jan.	April 29	Unkn'n.	Aug. 26	Oct. 26	Mar. 22	do 19	15 Feb. 19	S June 11	May 31	Aug. 11	April 17 to May 19.	Oct. 22	May 6-18	Aug. 26

STATEMENT of Wrecks and Casualties to Sea-going Vessels-Continued.

в.				70	
Amount.	€	450 cargo 80	3,000 no cargo.	953 c'go, no loss	l,500 cargo unk'n.
Isitas to IstoT .seo.I		Partial	щ ор	op	Total
Lives Lost.					
Cause of Casualty.		Error of judg- ment.	Ice	Stress of wea-	op
Nature of Casualty.		Collision	Cut by ice	Dismasted	Stranded
Place where Gasualty happened.		St. Grand Passage Collision Error of judg Partial ment.	Off Sydney, C.B	16 miles south of Whitehead, N.S.	Sheet Harbour Pas- sage, N.S.
Port sailed from. Port bound to.		75 Yarmouth to St. John, N.B.	Pictou, N.S Brigantine 390 Liverpool to Sydney, Off Sydney, C.B Cut by ice Ice	48 Halifax to Main-à-16 miles south of Dismasted Stress of wea Dieu. Whitehead, N.S.	48 Main-à-Dieu to Hali-Sheet Harbour Pas-Stranded
Register Tonnage.	_	75	390	48	48
Rig.		rmouth, N.S Schooner	Brigantine	lney, C.B Schooner	ор
Port of Registry.		Yarmouth, N.S.	Pictou, N.S	Sydney, C.B	т ор
Α ge.		64	4	10	10
Name of Vessel.		10 Yarmouth Packet.	Zeno	Oct. 13 Zyphyr 10	Nov. 11 Zyphyr
Date of Casualty.		Apl. 10		0 ct. 13	Nov. 11

APPENDIX No. 4.

from the	Amount.	\$ Trifling	1,800 cargo 5,190	200	4,000	4,000 cargo 9,000	c'go, noloss.	Not known	6,000 cargo,unk'n	6,000
nada,	Taitra to faioT .esod	Partial	:	Partial	Total	т ор	Partial	op	Total	ф
Cal	Lives Lost.		•	į	9					•
Waters of	Cause of Casualty.	Stress of wea-	S.S. "Sardin- ian."	Lock gates broke.	Stress of wea-	ор	qo	Error of judg- ment.	Compass out of order.	Not known
te Inland , 1880.	Nature of Casualty.	Stranded	Foundered	Damaged	Beach, Stranded	ор	op	Collision	Stranded	Burnt
ccurred on th	Place where Casualty happened.	to 300 yds. east of Stranded Stress of wea Partial., Trifling	Lachine Canal	Lachine Canal		Port Granby, Ont	Coburg Harbour	No. 2 Lock, La- chine Canal.	15 miles north of Cape Robert, Manitoulin Isl'nd	Lakefield
Casualties reported as having occurred on the Inland Waters of Canada, 1st January, 1880, to the 31st December, 1880.	Port sailed from. Port bound to.	31 Port Stanley to Ruthven.	97 Ottawa to Montreal Lachine Canal Foundered S.S. "Sardin Total	192 Kingston to Montreal Lachine Canal Damaged Lock gates Partial broke.	202 Oswego to Toronto Weller's	115 Oshawa to Oswego Port Granby, Ont	92 Cobourg to Oswego Coburg Harbour	691 Montreal to Corn-No. 2 Lock, La-Collision Error of judg wall chine Canal.	260 Mudge Bay to Cha-15 miles north of Stranded Compass out Total Cham, Ont. Rantoulin Isl'nd	Hope Steamer Wharf at Lakefield Lakefield Burnt Not known
port	Register Tonnage.	<u> </u>	26	192	202	115	- 83	691	260	
sualties re 1st Janu	Rig.	Dover, Schooner	Barge	Steamer	Schooner	op	do	Steamer	Schooner	Steamer
and	Port of Registry,	15 Port Dover, Ont.	Montreal Barge	ор	Toronto Schooner	Whitby, Ont	Napanee	Montreal	Oakville, Ont Schooner	
reci	-92 φ	15	6	•	န္ပ	12	9	1-	81	9 Port
STATEMENT of Wrecks	Name of Vessel.	UMBy 23 Active	Nov. 17 Aive	June 29 Arthur	6 Belle Sheridan	6 Bermuda	7 Blanche	June 29 Bohemian	6 Canadian	June 13 Col Strickland
STATE	Date of Casualty.	23 175	Nov. 17	June 29	Nov. 6	9 op	do 7	June 29	Nov. 6	June 13

c'go, no loss 25,000 1,000 **4,**00**0** 7,000 009 1,500 2,000 1,000 150 200 Amount. STATEMENT of Wrecks and Casualties reported as having occurred on the Inland Waters of Canada—Continued. € cargo cargo 516 Port Huron to Chi-40 miles from Port Collision Error of judge Total : ፧ Total : ፧ : Total Losa, đo Partial ф ф 10 ф ф ф qo Brockville, Stranded Stress of wea- Breaking of : : 367 Toledo to Kingston. 18 miles west of Loss of sails Stress of wea-...... Port Colbourne. | and rudder | ther. : : Lives Lost. 16 Port Maitland to Port Off Morgan Point, Foundered ... Unseaworthy... op | Burnt Fire.... Casualty. Cause of ф qo qo : : Gibralter Dismasted & Nature of Casualty. stranded. ф ф ф ę : Toronto..... where Casualty Break-Canal 27 Collingwo'd to Owen Off Thornbury, | Sound. happened. Place Lake Erie. Gratiot. ą 133 Brighton to Oswego Oswego 351 Kingston to Montreal Lachine Basin. 232, Oswego to Toronto .. | Near Ont. 262, Toronto to Ogdens- Near : 25 At Toronto..... Port sailed from. Port bound to. ф Colbourne. burg. ф 350 <u>.</u>8 Register Tonnage. 7 St. Catharines Steamer Schooner St. Catharines Schooner : Barge ****** Sandusky, U.S Schooner : Sarnia, Ont Steamer : Rig. ф ф qo ф ф 7 |Toronto..... : :::: Registry. Port of 9 Montreal ф ф ф ф qo . მუგ.ბ. : 20 10 9 -~ : 18 Daniel Elliott McFarland ... July 12 City of St. Catharines. 31 F. R. Tranche-26 Geo. Maytham 7 Dundee. 9, Fanny Dowell Sept. ... Golden City... 6'Gleniffer 29'Detroit..... 21 Guelph..... 29 Dalbousie..... montagne. Name of Vessel. 9 gg Date of Casualty. Aug. Nov. Aug. Nov. Oct. July ф

	1100	0110.		2000			PCIB	(•,				
, 2,000 cargo 6,000	2,000 cargo 990	1.000 cargo totul Unknown.	002	No damage to vessel.	100	Triffing.	100 cargo 100	5,000 cargo 1,500	200	500 cargo 200	150	009	200	4,000
` <u>:</u>	:	<u>:</u>	<u> </u>		.	-[-:-	<u>;</u>	- :	:	:	:		<u>:</u>
de	qo	qo	qo	qo	op	qo	do	do	qo	qo	qo	Total	Partial	Total
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do		sted.	of I ner, azell	of v	ss of		8	Jo .	of ju t.	eak'g of t lock gates.	storu	0.1	ror of judg- ment of Bc- hemian.	, jo .
p	go	isma	Fault of U.S. steamer, R. B. Hazell.	Stress of wea- ther.	owness water.	Stress of ther.	Struck a etone	ther.	Error of judg- ment.	Break'g of the lock gates.	Snow storm	Vessel on fire	Error of judg- ment of Bc- hemian.	tress ther
-	<u> </u>			<u>x</u>	Lowness of the water.	<u>·</u>		<u></u>	Ξ	<u></u>	<u></u>	<u> </u>	:	<u>:</u>
ded.	ion.	ded	sion .	ded .			dere	ded.			•		sion.	ıded
126 Cobourg to Oswego. Cobourg Harbour. Stranded	290 Milwaukee to Kings-Point Betsey, Lake Collision Fog ron.	Soders 300 yards west of Stranded Dismasted Genesee Piers.	117 Detroit to Kingston., Limekiln Grossing Collision Detroit River.	to Kingston Harbour. Stranded	qo	op	Foundered	Lake Stranded Stress of ther.	op qo	op	op _	op	Corn- Canal Basin, Mon- Collision.	82 Michaels Bay to God-32 miles north of Stranded Stress of wea serich.
our	ake	st of	ssing r.	our.	ажа	our.		Lake	gbt-		and.		Mon-	l) of
Harb	iey, I n.	0 yards west Genesee Piers	Cros Rive	Hart	, Ot	Hark	iver.	nd,]	e L	ana	ıt İsl	oint	sin,	nor(
urg	oint Betse. Michigan	ards nesee	kiln roit	ston	. Anns River.	ston	γa R	uck Islan Ontario.	t Lachir vessel.	ine C	Burr	n's F	1 Ba al.	iles Igeei
Cobo	Point Mic	300 y Ge	Lime	King	St. A	Kingston Harbour.	Otta	to Duck Island,	At L ves	Lach	Near	Вгоw	Canal treal	32 Sau
og	-88a-	lers ?		\$	llon	<u> </u>	real		real	tre'l	gg	ape	orn-	-po
Овже	. Kir	Š	ingst	usie	Cari	, On	Mont	a <u>į</u>	Mont	Mon	0 Ki	1 to C		, to G
z to (tee te	to	to Ki	alho ton.	l to	no)s:	to	ton.	50	n to	dne t	sland nt.	.1 to	s Bay
pour	ilwauk ton.	Whitby Point.	roit	rt Dalh Kingston	ıtrea	King	illon	ledo, U. Kingston.	cago	gsto	anano ton.	olfe Isla Vincent.	ontrea wall.	ichael erich.
, Co	OMIII	- գ <mark>м</mark>	7 Det	321 Port Dalhousie Kingston.	199 Montreal to Carillon St. Anns, Ottawa River.	102 At Kingston, Ont	92 Carillon to Montreal Ottawa River	332 Toledo, Kings	412 Chicago to Montreal At Lachine Light-	360 Kingston to Montre'l Lachine Canal	152 Ganancque to Kings- Near Burnt Island ton.	12 Wolfe Island to Cape Brown's Point Vincent.	472 Montreal wall.	- Ric
12		20			:-				. 41					
	:	:	:		r		:	er	Г		:			
do	qo	op	qo	rque	Steamer	Barge.	· op	hoon	Steamer	rge .	eame	op	do	poon
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urg, Out.	ո, Օո	ee, Ont.	Ont	rwel	•		i	ı, Ç	harines,		•	·		Ооте
bour	Kingston, Ont.	апее	_	_ :	pec.	ıtreal	qo	gstor	Cath nt.	gstor	qo	qo	Montreal	
Co		Napan	Picton,	<u> </u>	Quebec	Montre		Kingsto	St. Catl Ont.	Kingston				Port Ont.
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3utle	d		er	ilton				•			t		es	រន្ធជំខ្ម
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6 Hannah Butler 24 Cobou	6 Hyderabad	Sept. 10 Isabella	J. N. Carter	6 Lilly Hamilton	Sept. 25 Manitoba	7 Minnie	GS.pt. 29 Neva	7 Norway	30 Ocean	June 29 Onondaga	April 10 Pierrepont	2 Rover	29 St. Frances	7 Sam'l Amsden
		-01 .			25		29		30	53			29	
qo	June	Sept	Dec.	Nov.	Sept.	Nov.	Sept.	Nov.	Aug.	June	A pril	Dec.	June	Nov.
				. •		•	157	•		-	•		-	

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Amount.	# P. P. P. P.	# D W	24,000 cargo unk'n.	3,000	8,000	5,000	200 cargo 300	500 cargo 3,000	8,000	Partial Unknown	200	700 cargo 200
₩	£									<u></u> _		
Total or Partial	Doutiel	-	Total	op	op	щ ор	Partial	ф	Total	Partial.	т ор	т ор
Lives Lost.			12						•	•	-	;
			:	-:	•		Scot-	rea-	:	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	:	-
Cause of Casualty		ther.	qo	qo	Cleveland to Detroit North end of Pelée Cut by ice Ice	Burnt Unknown	Collision Steamer S.	to Ogdens- Near Duck Islands, Loss of spars Stress of wea-	qo	Lachine Lachine Canal Foundered Breaking Lockgate	ф	Fog
		7		:			<u> </u>	-8	 -			<u> </u>
Nature of Casually.		comery damaged.	dere	ded.	y ice		ion	ss of spars and sails	ded.	dere	ded.	
Na Casi		de	onno	tran	ut b	urnt	ollis	988 (8nd	of Stranded	onno	tran	ф
	<u> </u>	** ***********************************	of Foundered	<u>S</u>		<u>~</u>	_ <u></u> _	ls, L	-S-	<u> </u>	Strunded	- Ke
Place where Casualty happened.		Buci	miles S.W. of Providence Bay, Manitoulin Isl'ds		. Pel		•	slanc ario.	west gton.	al	•	, Lake
Place nere Casua) happened.		4	s S denc	•	nd of	ۏ	<u>.</u> :	ck I	₩ ngto	Car	_	icks.
P here hap		e Z	miles rovided	ego.	orth en Island.	evill	tres	sar Duck Island Lake Untario.	miles west Wellington.	bine	do	ain Ducl
[≱	<u> </u>	 	15 P.	Osw	Nor	Bell	Mon	Nea	_a _≈	Lac		Maii
<u> </u>	$\overline{\Box}$.	Mon-Lake St. Francis macninery damage	431 Chicago to Colling-15 wood.	82 Toronto to OswegoOswegoStranded	roit	686 Toronto to Belleville Belleville	L'As-Montreal	ens-	319 Toronto to Kingeton 3	hine	real	ton.
Port sailed from.	•	4 2	Coll)swe	Det	elle		Ogđ	ing	Lac	font	ings
oun jiled	1		\$	5	d to	to B	to on.	\$	to F	á	to 1	to K
rt 88 ort 1	;	amiltor treal.	hi cag o ₩00d.	nto	elan	nto	ontreal t somption.	pronto	nto	Basin, Canal.	ston	. og a
Po P	,	678 Hamilton treal.	Chie ▼(Toro	Clev	Toro	361 Montreal somptie	190 Toronto	Tord	75	155 Kingston to Montreal	08W
Register Tonnage.		819	431	83		989	361	180	319	88 - -	155	Schooner Oswego to Kingston: Main Ducks,
		•			-						_	
Si Si	Ì	Ber		one	mer		9 .	one		و		one
-		Steamer	do	onto Schooner	Cleveland, U.S Steamer	qo	Barge.	onto Schooner	qo	Barge .	ф	Scbo
					S			i	Jes,	į	<u>i</u>	1
Pert of Registry	İ		lingwood		'pu	on to	al		Catharines, ont.	York	a	
P.O. Regi	İ	Montreal	lling	ront	vela	ront	ntre	ront	t. Catl Ont.	W Y	ntre	2
	 	<u>\$</u>	[S]	Tor		Tor	9 Montreal	5 Tor	ĬQ.	New	Montreal.	
		<u></u>	00	- -	- 21				7 Thos. C. Street 11	_ 🗓		
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Name of Vessels		ďn	 	Bir	gon.	it	poni	gbt	S.S	Mat	rloo.	F.
N A		7 Spartan	24 Simcoe	L Dec Snow Bird	15 Sampson	7 Transit	18 Terrebonne	7 rwilight	hos.	29 W.H. Mathews	Waterloo	27 W. B. Folger
	 	<u> </u>	<u> </u>	<u> </u>	<u>- 8</u> -	-1-	- 12	7 7	7_T	- 59 <u>.</u> - 7	<u>!</u>	- 7 2
Date of Casualty.	.]	Nov.	op Op	ن	Nov.	May	ор	Nov.	do	June	ф	Oct.
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100	27,000 c'go 15,800	Unknown.	
:	<u>:</u>	lal.	
9	Tota	Parti	
	11		
Shallow water	Stress of wea-	do Breaking of Partial Unknown.	
op	Foundered	op	
Freuchman's Bay.	Near Long Point, Lake Ontario.	Montreal	
do 182/Oswego to Toronto Frenchman's Bay do Shallow water do	do 7 Zealand 6 Hamilton Steamer 402 Toronto to Montreal Near Long Point, Foundered Stress of wea- 17 Total	In Lachine Canal Montreal	
182	402/1	<u>-=</u>	
Ī		:	
	Steamer	Barge	
. Kingston	Hamilton	American	
Ļ	100	•	
Nov. 19 Wave Crest Kingston	7 Zesland	June 29 Zeb. Raymond American Barge I.	
Nov.	Q	June 29	-

APPENDIX No. 5.

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lian and	Amount.	400 cargo 1,222	1,800	16,000	20	35,000 cargo72,000	5,000	700 cargo 10	16,000	7,500
, Canac	Total or Partial Loss.	Partial	ор	Total	tide Partial		Partial	Total	op	Partial
tish	Lives Lost.		_ !		_			<u> </u>	_;_	
rred to Bri 379.	Cause of Gasualty.	on Cargo shifted .	Vessel struck a rock.	Error of judg- ment.	Strong tide and wind.	Fault of pilot Total	Snow storm	ор	Fog	brown on Stress of wea Partial beam ends ther. and dis-masted.
Ving occu Year of 18	Nature of Casualty.	۾ ۾	enus. Stranded	ор	op	op	ор	op		Thrown on beam ends and dismasted.
eported as he he Calendar	Place where Casuaity happened.		Between Dart- mouth and Exeter	Key West	Cardigan Bridge	Near Flushing	Lake St. Peter	to Hart's Island, New York Harbour.	Entrance to Nieve Deep.	Atlantic Ocean
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 1879.	Port sailed from, Port bound to.	233 Gaspć, P.Q., to Rot- Near St. terdam.	293 New York to Exeter, Between Dart. Stranded Vessel struck G.B.	433 Laguna to Havre	41 At Cardigan Bridge, Cardigan Bridge	ohn, N.B. Ship 1000 New York to Ant. Near Flushing	pool, G.B Steamer 1226 Montreal to Liver-Lake St. Peter	73 Newport, U.S., to New York.	804 New Orleans to Am. Entrance to Nieve sterdam.	Yarmouth, N.S. Ship 1142 New York to Dun-Atlantic Ocean Thrown beam e and and masted
ing a	Register Tonnage.			433	41	1000	1226	73	804	1142
of Wrec gn Sea-go	Rig.	Brigantine	ор	Barque	Schooner	Ship	Steamer	Schooner,	Barque	Ship
Statement Forei	Port of Registry.	Quebec Brigantine	Windsor, N.S	Yarmouth, N.S. Barque	Lunenburg, N.S.	St. John, N.B	Live	St. John, N.B. Schooner	ор	Yarmouth, N.S
the	.92 Å	13	4	12	16	4	17	8	16	m
EMENT to	Name of Vessel.	America	Alice Brad-	Aug. 17 Austin	29 Amiel	27 Alexander Mc- Kenzie.	25 Bellona	Brookville	24 Black Prince	Oct. 29 Bertie Bigelow
Suppl	Date of Casualty.		Dec. 23 Alice	Aug. 17	Oct. 29	Dec. 27	Nov. 25	Dec	do 24	Oct. 22

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2,000	2,500	4,000	400 II	200	6,137	8,000	2,000	1,130	800 200	ing.	40	400	1,500	200
			cargo				cargo		cargo	Triffing.				
т ор	ор	Total	Partial	Total	Partial.	Total	do	Partial.	op	do	op Op	op	ota]	ор
Ī		:	•	•	:		9	<u> </u>		•		•	<u> </u>	1
80-		-:	<u> </u>	- 		er	 -	nd i	wea-		1 75		<u>:</u>	
Sast of Cape Stranded Loss of George, N.S.	Sprung main Stress of weamast and ther. loss of sails.	op	Stranded Snow storm	Gapsized Not known	Ship Kalgra- rica.	Shallow water	115 Port Caledonia, C.B., Unknown Foundered Unknown to Boston.	Strong tide and no wind	Stress of ther.	Error of judg- ment.	Stress of weather and strong tide.	44 Canso, N.S., to Hali-Little Canso Har-Loss of spars Collision	Battery Isl'd ledge, Stranded Snow storm Total Louisburg Hat- bour.	Misstayed
ran d ed	prung main mast and loss of	Dismasted & abandoned	anded	sized	France Collision Ship	150 Georgetown, S.C., to North Breaker, Stranded St. John, N.B. Georgetown Bar.	ındered	78 New York to Porto Romer Shoal, New Stranded Rico.	•••• ор	ор	ор	ss of spars	ınded	ор
e'St		Ω	Str		_C ₀ _	st	Fo	Stre				Los	Stra	
Cap	Lon	orth,	ear Rabbit Is-	į	a	ker, Bar		New ur.	Canso	iver-	ge	Har-	ledge, Har-	Dili-
of e, N.S	× ×.	80, N	abbit .S.	9	ranc	reatown		mer Shoal, Ne York Harbour.		ak, L	Brid	080	l'd le irg l	ills Bluff, gent River,
t eorg	51° 5	ppe Can 8 miles.	d, R	fevill		h B	10 W E	er SE	outh of Harbour.	orse Bank pool Bay.	igan	ttle Ca	attery Isl'd l Louisburg bour.	nt Ri
Eas	Lat.	Cape 8 1	Near	Wol	Нау	Nort Ge	Unkı	Rom	to Mouth Harbo	Hors Po	Card	Littl	Batte Lo bor	Balls geı
t. Pierre Miquelon East to Chatham, N.B. Ge	563 New York to Liver-Lat. 51° 5' N., Lon. pool.	Miquelon Cape Canso, North, 8 miles.	60 Charlottetown to St. Near John's, Nfd. lane	18 At Wolfeville Wolfeville	10 to	J., to	J.B.,	orto		Summerside P.E.I., to Horse Bank, Liver- Liverpool, G.B. pool Bay.	35 Cardigan Bridge, Cardigan Bridge P.E.L. to Halifax.	Iali-		74 Spencer Island, N.S., Balls to Canning, N.S. gent
	o Li	Migu	wn te	 	phi	N.B.	nia, C	to P	rave	P.E. G.B	rid Hali	to I	Hali	nd, N 3, N.
erre ba th	ork 1		teto s, Ni	fevil	del e	town ohn,	ledo	ork	Mulg	rside pool,	н Э	X.S.	y to	Isla
to C	ew Y.	75 St. Pierre to Canso.	sarlottetown John's, Nffd.	Wol	hilad Havre.	orge st. J	ort Caledoi to Boston.	ew Y Rico.	100 Port Mulgrave Barbadoes.	mmerside P.E.I Liverpool, G.B.	rofigs FE.	anso, fax.	87 Cow Bay to Halifax	o Ca
54.S	Ne	5 St.	<u></u>	8 A t	-6 	<u> </u>	5 ^{[Po}	-8- 8-	-6 <u>-</u>			-Ga	<u> </u>	- R
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ıtine		er	•	:	į	ег		•		ine	ег	i		
Nov. 20 Bertha et Lucy 12 Marseilles Brigantine 154 St. Pierre	N.S. Barque	Schooner	g -	qo	N.S. Ship 1379 Philadelphia to Havre,	Schooner	op	စု	op 	1 Charlottetown Brigantine	Lunenburg, Schooner	qo	qo	đo
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Mars	Windsor,	Lunenburg, N.S.	Charlottet'wn, P.E.I.	St. An	Windsor,	St. Joh	Arichat,	St. Joh	Shelburne, N.S	harl P.E	u n N.S	Guysbore, N.S.	ydne	t. Jo
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erth	29 Blomidon	29 Crescent.	17 Catharine	ara J	shier	ocus,	ath. Roya	16 Carrie ders.	29 Cepola	16 Dot	29 Day Spring	29 Dusky Lake	19 Excelsior	4 Eleanor Jane 13 St. John, N.B.
20/18	6;	_Cr	7. Ca	5	. C	9 G			-్డ్రీ	е <u>D</u> o	9 Da	1Ω 1α	- 8	4 Ele
704.	Dec. 2	Nov. 2	Dec. 1'	Clara Jane	Sept. 29 Cashier	Nov. 19 Crocus	<u></u>	Dec. 1		Nov. 10			Nov. 19	
K			De	•	ž	No	Aug. 16 Catherine Royal.	Ď	Oct.	N _o	0et.	do	No	Dec.
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Vessels—Continued.
Sea-going
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l Casualties
and
Wrecks 8
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Statement
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to
SUPPLEMENT

Amount.	\$200	Triffing.	200	2,000	400	4,000	920 cargo unk'n.	Not known.	200	400	1,200
Total or Partial Loss.	Partial	op -	op	op	do	Total	op	op	op	Partial.	ор
Lives Lost.	•			•							-
Cause of Casualty.	жев	ф	G. W.	Pilot's Bride drifted'foul of the Elbe.	Stress of wea-	Misstayed	Sping a leak Stress of wea-	т ор	ор	Unknown	Stress of wea-
Nature of Casualty.	Stranded	ор	Collision	ф ор	Harbour Stranded	qo	Sp'ng a leak and other	Stranded	ор	Collision	Loss of sails,
Place where Gasualty happened.	Bayfield, N.S	Hogan's Cove, P.E.I.	Victoria Harbour.	chmond, N.S., to Rio Grand Light- Rio Grande de Sul, house, N.N.W. 4 Brazil.	-	Entrance to Cape Boyle, Nfd.	Atlantic Ocean	New London Har- bour, P.E.I.	Jackson's Head, N.S.	The Downs, British Columbia.	Atlantic Ocean
Port sailed from.	164 Harbour au Bouche, Bayfield, N.S Stranded Stress of C.B., to Pictou, N.S.	65 Boston to Charlotte- Hogan's town. P.E.I.	302 Victoria, B.C., to New Victoria Harbour. Collision Ship Westminster, B.C.	Richmond, N.S., to Ric Grande de Sul, Brazil.	Fisherman's Harbour Island; to Whitehead, N.S Beach	96 St. John's, Nfld, to Entrance to Cape Antigonish. Boyle, Nfld.	545 New York to Oporto Atlantic Ocean	26;Halifax to New Lon-New London Har-Stranded	11 Crapaud, P.F.I., to Jackson's Pugwash, N.S. N.S.	lsor, N.S., Ship 1607 Philadelphia to Cal-The Downs, British Collision Unknown Columbia.	100 Harb'r Grace, NHd., Atlantic Ocean Loss of sails, Stress of weato Plymouth, G.B.
Register Tonnage.		65	302	152	-96	96	545	36	7	1607	
Rig.	Schooner	ор	Steamer	Brigantine	Schooner	ф	Barque	Schooner	op	Ship	Schooner
Port of Registry.	Halifax	Charlottetown P.E.I.	Victoria, B.C. Steamer	Halifax	Halifax	Shelburne, N.S.	St. John, N.B., Barque	Lunenb'rg, N.S Schooner	Emma B new Charlottetown P.E.I.	Windsor, N.S	Montreal Schooner
Age.	=	<u>ب</u>			- <u>.</u>	-	4	-	new		
Name of Vessel.	29 E. W. B	29 Emelienne	5 Enterprise	9 Elbe	29 Eastern Clip- per.	20 Ed. Albro	E. Sutton	6 Eldon C	Emma B	8 Forest King	Frances
Date of Casualty.	Oct. 29	do 29		6 Paris 62	Oct. 29	do 20		Aug. 6	ф 9	Dec. 8	edisk ediskis

l,000 cargo not damaged.	900 cargo 4,500	10,000 cargo12,000	7,000 cargo 3,000	Partial., Triffing.	5,000	7,000	riffing.	do	6,000	80	1,000	200	30	200
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op	do	do	Total	Parti	do	đo	do	qo	do	do	do	do	qo	do
							•			-				
Error of judg. ment.	Fog	Shallow water	Thick weather	Error of judg- ment.	at Stress of wea-	Ро g	Stress of wea- ther & strong tide.	op	I ce	Not known	Cut by ice Ice	Parted chains.	Stress of wea- ther & strong current.	of Collision Error of judg-
Stranded	op	op	op —	Collision	Damaged at sea.	Stranded	ф •	op	Cut by ice	Collision with Cyprus		Stranded	op	Collision
123 Barbadoes to Quebec Green Island, Sis. Stranded Error of judg-	St. St. Antoine, River St. Lawrence.	to Calais	Charlottet'n, P.E.I., Bermuda Reefs to Hamilton, Ber- muda.	Steamer 1319 Bristol to Montreal Traverse, River St. Collision Error of judg- Lavrence.		1498 West Bay to Liver Between Cheque & Ross Islands, Bay of Fundy.	35 At Cardigan Bridge, Cardigan Brilge P.E.L.	ор	Yarmouth, N.S. Ship 1137 Philadelphia to Bre. Bremerhaven River Cut by ice	At New York New York Harbeur Collision with Cyp	586 Rouen to New York, Seine River	N.S.	Bridge, Cardigan Bridge	to New 15 miles N.E. of Mount Desert.
oes to Quebec	t o Nfid.	G.B.,	harlottet'n, P.E.I., to Hamilton, Ber- muda.	o Montreal	Lobos to Queenst'wn	y to Liver-	igan Bridge,	ор	phia to Breven.	York	New York.	of Canso to Bayfield, d.		
Barbade	123 Montreal John's,	1602 Portland, Calais.	Charlott to Har muda.	3ristol t	opos to	West Ba	At Card P.E.I.	qo	biladelphia merbaven.	At New	Rouen to	139 Straits of Bayfield.	35 Cardigan P.E I.	85 Cornwallis York.
123		1602	181	1319	1049 I	1498	35	33	1137	878	- 286	139	32	82
			tine	3r			ner	:	•		1	ler		•
op /	do	Ship.	Brigan	Steame	Ship	op	Schooner	qo	ship	3 ar que	p	Schooner	elo.	qo
)nepec	ф ор	Windsor, N.S	Charlottetown Brigantine	Sunderland	Charlottetown S P.E.I.	itland, N.S.	Arichat, C.B	Liverpool, N.S	rmouth, N.S.	Annapolis, N.S Barque	Digby, N.S	Halifax, N.S	N.S.	10 Windsor, N.S
13/5	13	2 8	9		2 C1	————		_ <u>Ė</u> _	5 Y	3 A1	10 Di	5 HE	2 Port N.S.	<u>*</u>
ca	-			- ;		_ <u>#</u>	13	- 2					_	
Aug. 28 Feodoris Arca 13 Quebec	op	17 Forest King	Nov. 4 Fleetwood	11 Govino	Gondolier	Aug. 22 Gloaming new Maitland, N.S.	29 G. H. B	29 Galaxy.	7 Geo. Bell	13 Hazelburst	Hattie M	29 Heather	29 Happy go Lucky.	April 24 Hope
ક્ષ કંત	18	17	4]	22				=======================================			53	24
Υnγ	Oct	Dec.	Nov.	op		Aug.	ខ្មី 163	Oct.	Dec.	op		Oct.	ф	April
	11 a	ı—11	1 2				105							

c'go. no loss. 4,800 cargo 10,000 7,000 cargo 70,000 1,800 cargo 1,000 1,500 5,500 7,000 cargo 5,000 1,200 8 A mount. ... Heavygale and Partial. Trifling. 2 |Total.... Total Partial. : Partial Total or Partial Loss. Gov- Partial Total. Total q ф SUPPLEMENT to the Statement of Wrecks and Casualties to Scargoing Vessels-Continued. : wea-: Lives Lost. 85 Demorara to St. Tho-Port Real, Porto Dismasted ... Stress of weato Bar-Gulf Stream Dismasted & Cyclone Stress of wea-Liver-Lat. 55° N., Lon. Collis'nwith Want of lights 20° 14' W. E. J. Harland on other ship 97 Demerara to Halifax, Emulous Rock, near Stranded..... Stress of wea-712 Philadely hia to Bor-181e Verte, France Stranded | Ice New York to Bristol. Off Bay of Fundy... Broke main Not known Fog and gale.. Casualty. Cause 77/Cape Glasgow, N.S., Sand Beach, Louis-Stranded..... Stress of to N'th Sydney, C.B. burg, C.B. ther. St. Roche's Tra-Collision..... Steamer verse, River St. ino. Lawrence. abandoned. of Casualty. Nature ф ę မှ Sydney, Louisburg Harbour 194 Laid up at George-Georgetown....... town, P.E.I. where Casualty to Halifax, |Mud Island, one happened. Place 63 Quebec to Gaspé...... Port sailed from. Port bound to. to 230, Hawkesbury 2 1437 Montreal badoes. 97 Halifax C.B. 136 Jamaica deaux mas. 887 Begister Tonnage. Brigantine... London..... Steamer..... : ...|Schooner.... Shelburne, N.S Schooner : : Liverpool, N.S Brigantine .. | ::: : Halifax, N.S...|Barque...... Rig. ф qo ф ф ф 4 Charlotte-town, P.E.L. Liverpool, N.S. Charlottetown P.E.J. Montreal..... Gaspé, P.Q.... Arichat, C.B ... Port of ę 4 A ge. 7 ខ 33 29 Harry Davis ... 23 Kate Fawcett.. 11 Lawrence..... 15|Impero. 29'J. P. Milledge. Lake Cham-17 Libbie Mc-Gowan ... Lord Mayo Name of Vessel. 28 Louisa.... plair. 29 Liberty 29 Lena Date of Casualty. Oct. Nov. Oct. Feb. Dec. Oct. Dec. ូ 164 ф

44	Vict	toria	•	8	Sessi	onal	Pape	rs (]	No. 1	1.)		1	A. 1	881
1,500	,Triffing.	1,200	600 cargo 600	Partial Not known.	1,200	2,400	820	Unknown.	100	1,200	1,000	2,500	13,000 cargo20,000	2,000
ор	do do	ta.1	op	rtial.	op	op	op	op		Total	Partial	op	Total	т ор
		Total	_:					-;		<u> </u>	<u>- </u>		-Ĕ <u>-</u>	
÷ .	<u>.</u>		- i be		-	<u>:</u>	-	<u>:</u>	<u>:</u>		-:		- -	<u>-</u> -
Cut away to save yessel.	Want of wind	F0g	Stress of wea- ther&sprung a leak.	Frost and ice	Stranded Stress of weather.	op	op	Point, Stranded Error of judg-	op	Stress of wea-	on Cyclone nds lis-	Stranded Ice	Fog	Stress of wea-
Loss of main mast.	Stranded	ф ор	Foundered	Cut by ice	stranded	Lost and split sails.	Loss of spars	Stranded	op	qo	N., Thrown on W. beam ends and dismasted.		op	qo
to Cape Porcupine, Loss of main Cut away	Entrance to Bridge- town Harbour.	Arch Rock, Nfid	to Atlantic Ocean Foundered Stress of wes- ther&sprung a leak.	Miramichi River	Вау,	Hali-During the voyage Lost split	Unknhwn	I'g	Two miles south of Franklin Light, U.S.	to Black Rock, West Arichat.	38° 30' ng. 62° 47'		Petite Vallee, Gulf of St. Lawrence.	Abbot'sPoint, Cape Negro, N.S.
299 Plymouth, G.B., to	167 Brazil to Barbadoes. Entrance to Bridge-Stranded		69 Cardigan, P.E.I., to St. Pierre Miq.	Miramichi to Sharp-Miramichi River Cut by ice Frost and ice	148 Grand River to She-Broughton diac.	94 Cienfuegos to Hali- fax, N.S.	313 New York to Port Unkniwn Loss of spars Eliz ibeth, Cape of Good Hope.	197 Queenstown to Pro-Russell's vidence, R I.	63 Fox Island to Boston Two miles south of Franklin Light, U.S.	58 Cocaigne, NB, to Arichat.	27 Halifax, N.S., to Port Lat. au Prince.	532 Philadelphia to Ham. Cuxhaven	434 Montreal to Cork	60 Halifax to New York Abbot'sPoint, Cape Negro, N.S.
		62	69	į		94			68	28		532	434	
op	op	Schooner	ор	Barque	town Brigantine	··· op	op	ор	Schooner	ф	ор	Вагдпе	•••• ор	Schooner
op	Quebec	15 Parrsboro', N.S Schooner	Charlottetown P.E.I.	Norwegian	Charlottetown P.E.I.	Halifax, N.S	Windsor, N.S	Portland, Me	Digby, N.S	Arichat	Halifax	Yarmouth, N.S Barque	Austrian	St. Andrews, N.B.
4	∞	15		20	new	-	27	27	21	13	пеж	- œ	15	19
28 Lauretta	Sept. 29 Lady Mary	9 Levant	21 Lodi	1 Miramichi	29 Magic mew Charlotte	Nov Montrose	July 6 M. A. Doran	Nov. 27 Mechanic	29 Moses Black	20 Mary	Nov. 20 Mora new Halifax	2 Maggie Horton	30 Nereo O	Dec N. Noyes 19 St. Andrews, Schooner
qo	Sept.	Nov.	Dec. 2	op	0ct. 2	Nov.	r 165	Nov.	Dec. 2	Oct. 2	Nov. ?	Feb.	0ct. 3	Dec

	n t.		009	000	750	7,000	7,500	900	20		300	300
	Amount.	97		7,500 cargo 4,000		1	4	900 cargo 1,250		Triffing.		cargo
rued.	Isitas or Partial Loss.	Partial	Total	Partial.	· op	Total	Partial	op	op	·· op	op	Total
nti	Lives Lost.				:	•		•		:		<u>;</u>
Vessels $-C_{c}$	Cause of Casualty.	Stress of wea-		Not known,	Stress of wea-	Snow storm	Ice	Error of judg- ment.	Stress of wea-	ор	Dragged an-	Parted chains Total
ea-going	Nature of Gasualty.	Har-Collision of St. with the	Stranded	Collision	Loss of spars and sails	Stranded	Cut by ice	Stranded	Collision	Stranded	op 1	op
fasualties to S	Place where Casualty happened.	, ,	Arichat, Oreighton's Beach, Stranded Ice	Ant-Off the Lizard, G.B. Collision Not known	During the voyage	to Lingan, Indian Point, C.B. Stranded Snow storm Total	Bremen Harbour	Off Sheet Harbour	Georgetown	to Albion Bay, P.E.I Stranded	fish- West side of Port Hood Harbour.	to Port Hastings, N.S
to the Statement of Wrecks and Casualties to Sea-going Vessels-Continued.	Port sailed from.	Georgetown Georgetown Pishing voyage Bour, Gulf Lawrence.	101 At West Arichat, C.B.	547 New York to Ant- werp.	Avonmouth, G.B., to During the voyage Loss of spars Stress of wea- Boston.	Halifax to Lingan, C.B.	1095 Philadelphia to Bre-Bremen Harbour Cut by ice Ice	77 Georgetown, P.E.I., Off Sheet Harbour Stranded Error of judg- to Halifax, N.S.	44 AtGeorgetown, P.E.I Georgetown Collision	E. Island touen, France.	14 Gloucester, on fish- ing voyage.	22 Port Richmond to Port Hastings.
t of	Register Tonnage.	~		2+2	1110	159	1095	11	44	198 P.	41	22
Statemen	Rig.	Schooner	do	Barque	do ob	ifax, N.S Brigantine	Ship	Schooner	op	Brigantine	Schooner	т ор
ENT to the	Port of Registry.	1 Charlottetown Schooner	30 [Arichat, N.S	Windsor, N.S., Barque	op	Halifax, N.S	Yarmouth, N.S. Ship	Chatham, N.B. Schooner	Charlottetown P.E.I.		Gloucester, Mass.	21 Arichat, C.B
CEN	Age.	<u> </u>		6	es	9	9	18	53	- 2	14	21
SUPPLENENT	Name of Vessel.	29 Nettie May	20 Native Lass	20 Nictaux	 30 Nova Scotia	20 0. K	21 Otago	29 Providence	29 Pocahontas	29 Plymouth	Aug. 19 Phaselus	Nov. 20 Plover
	Oate of Gasualty.	0ct. 29	Feb. 20	91 Dec. 20		do 20	do 21	do 29	Oct. 29	do 29	Aug. 19	Nov. 20

		,					1								
39,000 cargo unk'n.	2,200 cargo partial	Not known.	200	Triffing.	20	7,000	1,200	750	2,000 cargo 100	300 cargo 200	1,500	18,000 cargo 600	9,000	16,000	Triffing cargo 150
ф	Partial.	op	ф	op	ф	чо ор	Total	ф	op	op	Partial.	Total	Partial.	Total	Partial .
		•	•	-				:	i	•		<u> </u>			i
wea-	:	i	wea-	an-		:	8.0-						rea-	*	ıdg-
Stress of ther.	qo	Not known	Stress of v ther.	Dragged chors.	Stress of w	op	Dragged chors.	Sprung a leak.	Error of judg- ment.	Chains parted.	Ice	Freshet	Stress of v	Heavy N. gale.	Error of jument.
N., Lon. Abandoned-'Stress of wea-'	to Collision	Basin, Stranded Not known	Collision	Harbour, Stranded	Collision	On beam ends petro- leum cargo shifted.	Stranded	•••• ор	ор	op	Out by ice	Stranded Freshet	Loss of sails, etc.	Loss of spars	Stranded
Ant- Lat. 45° N., Lon.	to North Sydney to Harbour.		to Whitehead, N.S Collision Stress of ther.		Georgetown Collision Stress of wea-	days from w York.	to West Point, P.E.I. Stranded	Mouth of Canso Harbour.	S.W. Point Dog Island, N'ffd.	Cape Canso	to Horse Shoe Bar, Miramichi.	New Villericos, Spain	Lat. 41° 45 N., Lon. 59° 45' W.	Atlantic Ocean Loss of spars Heavy gale.	to Devil's Back, Bos-Stranded Error of judg Partial . Triffing ton Bay.
1304 New York to Ant-	North Sydney to Halifax.	129 Turner's Cove, N.S., Annapolis to Boston, U.S.	75 Louisburg, C.B., to Halifax.	55 Canso on a trading Philips voyage, N.S.	At Georgetown, P.E.L.	New York to Lon-Four don.	68 Pictou, N. S., to Quebec.	71 Cow Bay, C.B., to Mouth Summerside, P.E.I Harb	37 Burges, N'fld, to St. Pierre Miquelon.	20 River Bourgeois, C.B. to Halifax.	787 Chatham, N.B., to Bristol.	418 Barcelona to New York.	755 Liverpool to St. John Lat. 41° 45 N., Lon. Loss of sails, Stress of wea-	Havre to Antwerp	55 French Cross to Boston.
1304	09	129	75	22	122 A t	1691	- 89	12	37	20 1	787	418	755	795	22
	N.S Schooner	ф ор	ор	op	Brigantine	Ship	N.S Schooner	ор	ор	ор	Barque	do	ор	Ship	N.S Schooner
6 Yarmouth, N.S Ship	Halifax,	Leo- 15 St. John, N.B.	Baddeck, C.B	Guysboro, N.S	Charlotte- town, P.E.I.	Liverpool, G.B	Halifax, N.S	St. John, N.B.	Port Medway,	Arichat, C.B	Norwegian	Liverpool, N.S	St. John, N.B.	Yarmouth, N.S	
	12	15			4	8	91	 		20	96	0	133	91	2
Oct30 Royal Charter	Nov. 20 Repeal	April 22 Robert Leo- nard.	29 Roderich Mc- 10 Rae.	29 Reliance Guysbe	29 Sirius	29 Star of India 18 : Liverpool, G.B Ship 1697 New York don.	Nov Star of the Sea 16 Halifax,	Dec. 16 Speculator 13 St. Joh	Nov. 29 Samuel Dolliver.	7 Sophia	Nov. 29 Thule	Oct. 14 T. C. Jones	29 Twilight	29 Tyro	Aug. 15 Talisman 12 Digby,
ct3(v. 20	ril 22 [†]	t. 29			53		. 16	v. 29		. 29	14.			g. 15
Ŏ	No	A	0ct.	qo	qo	op	2 167	, De	No	0ct.	Nov	Oct	do	qo	Αu

	Amount.	₩	100	Unkoown.	400	Trifling.	2,000	16,000 cargo 11,733	1,500		2,600
ned.	Total or Partial Loss.		Partial.	op	do	op	ф .:-	Total	Partial.		Total
ntir	Lives Lost.					•		6			
Vessels—Continued	Cause of Casualty.		ther.	Stress of wea-	т ор	Ship Enter- prise.	out of	Not known	Snow storm		Freshet in the river which divor vessel from her moorings.
	Nature of Casualty.		Collision	Lost & split sails.	Damaged at sea.	Collision	Stranded	Missing	Stranded		Foundered
asualties to S	Place where Casualty happened.		Port Mulgrave, N.S	Off Cape Sable, N.S	to Port Lat. 37° N., I.on. Damaged at 66° 50' W.	New Victoria Harbour Collision Ship pris	New York Harbor.	Not known Missing Not known	Gull Island Ledge, N.S.	W <i>e</i> ters.	Off Oakville
SUPPLEMENT to the Statement of Wrecks and Casualties to Sea-going	Port sailed from,		420 Liverpool to Char-Port Mulgrave, N.S Collision Schooner lottetown, P.E.I.	648 London to New York Off Cape Sable, N.S Lost & split Stress of wea sails.	55 Barbadoes to Port Medway.	Victoria, B.C Steamer Not Victoria to New Krn. Westminster.	John, N.B., Brigantine 428, New York to Queens. New York Harbor. Stranded Buoy town.	438 Charlottetown to Queenstown.	55 Halifax to Yarmouth Gull Island Ledge, Stranded Snow storm	ON THE INLAND WATERS.	ont. Ont. Off Oakville Foundered Freshet in the river which ont. Ont. Cont.
t of	Segister Tonnage.				_	Not k'n.	428				
Statemen	Rig.		Barque	ф	Schooner	Steamer	Brigantine	Barquentine	Schooner		Steamer
ENT to the	Port of Registry.		Chatham, N.B. Barque	Quebec	Brook-new Port Medway, Schooner		<u>s</u> .	Charlotte- town, P.E.I.	Yarmouth, N.S Schooner		Toronto Steamer
EM	Y Ker		es	6.	new	26	œ	eo	15		20
SUPPI	Name of Vessel.		Nov. 19 Unity	25 Verona	Nov. 20 W. H. Brook-	5 W. G. Hunt	6 W. N. H. Cle- ments.	W. D. Stewart	18 Zaidće		Sept. 13 Flora L. Baines
	Date of Casnalty.		Nov. 1	Oct. 2	Nov. 2	68 68	Oct.		Dec. 1		Sept. 1

APPENDIX No. 6.

REPORT OF THE CHAIRMAN OF THE BOARD OF EXAMINERS OF MASTERS AND MATES, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

HALIFAX, N.S., 1st January, 1881.

Halifax, N.S., 1st January, 1881.
SIR,—I have the honour to submit the following Report of the proceedings of the Board of Examiners of Masters and Mates, for the calendar year ending 31st December, 1880.
The Board met for the examination of candidates at the Ports of St. John, N.B., Yarmouth, N.S., Halifax, N.S., Quebec, and Charlottetown, P.E.I., as follows:—
At St. John, N.B., on the 8th and 9th January.
Master who obtained certificate
At Yarmouth, N.S., on the 12th and 13th January.
Masters who obtained certificates
At Halifax, N.S., on the 20th and 21st January.
Masters who obtained certificates
At Yarmouth, N.S., on the 9th and 10th February.
Masters who obtained certificates
At St. John, N.B., on the 12th and 13th February.
Mates who obtained certificates
At Halifax, N.S., on the 17th and 18th February.
Master who obtained certificate

At Quebec, on the 8th and 9th March.	
Masters who obtained certificates	2
At St. John, N.B., on the 11th and 12th March. Masters who obtained certificates	2 3
At Yarmouth, N.S., on the 13th and 15th March. Masters who obtained certificates Mates do do Four candidates for the grade of Master having failed in Navigation.	3 3
At Halifax, N.S., on the 19th and 20th March.	
Master who obtained a certificat :	1
At Quebec, on the 12th and 13th April.	
One candidate passed for a Fore and Aft rigged Masters' Certificate for the Ordinary Masters' Certificate failed in Navigation.	e: and one
At St. John, N.B., on the 15th and 16th April.	
Masters who obtained certificates	4 2 ng failed in
At Yarmouth, N.S., on the 17th and 19th April.	
Masters who obtained certificates	5
At Halifax, N.S., on the 22nd and 23rd April.	
Masters who obtained certificates	2 6
At Halifax, N.S., on the 26th April.	
Masters who obtained certificates	3
Master who obtained certificate	1 3
At Quebec, on the 14th and 15th May.	
Masters who obtained certificates	3 1
At St. John, N.B., on the 19th and 20th May.	
Master who obtained certificate	1 3
At Halifax, N.S., on the 25th and 26th May.	
Master who obtained certificate	1 2

At St. John, N.B., on the 17th and 18th June.	
Masters who obtained certificates	aile
At Quebec, on the 28th and 29th June.	
Master who obtained certificate	
At Halifax, N.S., on the 2nd and 3rd July.	
Master who obtained certificate	aile
At Halifax, N.S., on the 8th July.	
Masters who obtained certificates 3	
At St. John, N.B., on the 15th and 16th July.	
Mate who obtained a certificate	aile
At Yarmouth, N.S., on the 26th and 27th July.	
Masters who obtained certificates	aile
At Halifax, N.S., on the 2nd and 3rd August.	
Master who obtained certificate	vin
At Charlottetown, P.E.I., on the 9th and 10th August.	
Master who obtained a certificate	
At St. John, N.B., on the 12th and 13th August.	
Master who obtained a certificate	
At Yarmouth, N.S., on the 25th and 26th August.	
Master who obtained a certificate	
At Halifax, N.S., on the 1st and 2nd September.	
Masters who obtained a certificate	
At Halifax, N.S., on the 6th September.	
Master who obtained a certificate	

At St. John, N.B., on the 9th and 10th September.		
Master who obtained a certificate	1 1 2 2 ooth 1	failed in
Navigation.		
At Halifax, N.S., on the 7th and 8th October.	_	
Mate who obtained a certificate	and	one for
At Yarmouth, N.S., on the 11th and 12th October.		
Masters who obtained certificates	2 3	
At St. John, N.B., on the 13th and 14th October.		
Mate who obtained a certificate One candidate for the grade of Mate having failed in Navigation.	1	
At Quebec on the 16th and 18th October.	•	
Masters who obtained certificates One candidate for a Mate Certificate having failed in Navigation.	2	
At Halifax, N.S., on the 2nd and 3rd November.	3	
Masters who obtained certificates	1	
Capt. P. A. Scott, Chairman of the Board, having been directed to England on duty connected with the public service: on the 8th No Excellency the Governor General in Council, acting on the recommen Hon. Minister of Marine, was pleased to appoint me an Examiner of Mates, and acting Chairman of the Board during Capt. Scott's absence, Act respecting Certificates to Masters and Mates having been previous with.	datio Mas Sec.	ber, Hi on of the ters and 1 of the
The Board met at Charlottetown on the 12th November.		
Masters who obtained certificates	$\frac{2}{1}$	
At. St. John, N.B., on the 18th and 19th November.	•	
Masters who obtained certificates	$\begin{array}{c} 2 \\ 2 \end{array}$	
At Yarmouth, N.S., on the 20th and 22nd November.		
Masters who obtained certificates	2	
Mates do do	4 and	one for
At Halifax, N.S., on the 6th and 7th December.		
Masters who obtained certificates	2 2	

At St. John, N.B., on the 9th and 10th December. Masters who obtained certificates	2 1 1
At Yarmouth, N.S., on the 30th and 31st December.	
Masters who obtained certificates	2

From the foregoing it will be seen that during the year, at the Port of St. John N.B., 16 passed for the grade of Master, 21 as Mate and 4 as Second Mate; at Halifax, N.S., 24 passed as Master and 29 as Mate; at Yarmouth, N.S., 24 passed as Master and 22 as Mate; at Charlottetown, P.E.I., 4 passed as Master and 4 as Mate; at Quebec 8 passed for Master, 1 for a Master's Certificate for fore and alt rigged vessels only, 1 passed as Mate and 2 as Second Mate.

Twenty-nine Master's Certificates of service and eight Mate's Certificates have

also been issued during the year.

I have the honor to be, Sir,

Your most obedient servant,

D. M. BROWNE,

Acting Chairman.

The Deputy Minister of Marine and Fisheries, Ottawa.

LIST OF CENTIFICATES 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, 1880.

	Fce.	S cts.	2 00	2 00	10 00	5 00	2 00	10 00	10 00	10 00	10 00	10 00	5 00	2 00	10 00	5 00	10 00
	Where Examination was Passed.	-	St. John	ф ор	ор	ор	Yarmouth	op	ф	ор	ор	Halifax	ф	ор	ор	ор	Yarmouth
NCY.	Address.		Mate Peticodiac, N.B St. John	do St. John, N B	ор	ор	Pembroke, N.S	Master Yarmouth, N.S	ор	ор	Bear River, N.S.	Horton Landing, N.S	Mate Halifaz, N S	Maitland, N.S	Master Wolfeville, N.S	Mate Isantsport, N.S	Yarmouth, N.S
COMPETENCY	Grade.	-	Mate	ф ор	Master	Mate	do	Master	ф ор	ор	do	ф	Mate	ор	Master	Mate	Master
)	Name.		January 13 Bugene C. Ritchie	Ernest O. Harris	13 Thomas W. Hankinson	13 John J. Veal Mate	Jacob H. Foote	19 James C. Doty	19 Chas. W. Crosby	Jas. E. Crosby	Geo. F. Corning	Jas. E. Rathbun	Chas. M. McDonald	Richard Sterling	Jeptha L. Elderkin	Edward A. Smith	1400 Febru'ry 17 George H. Perry Varmouth, N.S Yarmouth, N.S Yarmouth
	Date of Certificate.	1880.	January 13	do 13	do 13	do 13	do 19	do 19	do 19	do 19	61 op	do 27	do 27	do 27	de 27	do 27	Febru'ry 17
	Number of Cer sincare.		1386	1387	88E 17-	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400

	•	-00	011					~	000	- 1/22		,		- (•								
10 00	2 00	2 00	2 00	2 00	10 00	2	3	200	2 00	2 00	2 00	22 00	10 00	10 00	2 00	2 00	10 00	10 00	2		6 6 2	10 00	2 00	10 00	10 00	2 00
													:	:			:			-		h				
qo	ф	do	qo	qo	do		On !	St. John	qo	do.	Halifax	qo	do g	Quebec.	do	St. John	qo	qo			q ₀	Yarmouth	op	qo	qo	op
ор	Arcadia, N.S	Salem, N.S	Cape Sable Island, N.S	Brooklyn, N.S.				Bear River, N.S	Quaco, N.B	Springfield, N.B	do Avondale, N.S	Maitland, N.S	Master Halifax, N.S	L'Islet. Quebec	Cap St. Ignace, Quebec	St. John, N.B	Quaco, N.B.	Richibucto N B		St. John, N.B	Partsboro, N.S	Master Salem, N.S	Maitland, N.S	Yarmouth, N.S	Pembroke, N S	Mate Hebron, N.S
ф	Mate	do	do		į		Mate	2nd Mate	Mate	ф	do	тор	Master	op	Mate	ф	Master			Mate	ф ор	Master	Mate	Master	do	Mate
17 I.Ichn E. Gondev			17 John H Ross			17 Arthur H. Parker	17 Albert N. Clements	17 Isaiah M. Rice		W. F. Kierstead	Geo. Brison	Augustus Whidden	John Crasso		Alfred Bernier	W G Bush		Geo. Mark	Wm. Connaughton	Benjamin A. Stamers	17 Daniel Wm. Mahoney	Olas. W. Perry	F. W. Thomas	Frank Gardner		Jno, D. Patton
77																			do 17	do 17	do 17		do 22			
1 1011						1406 do	1407 do	1408 do	1409 do	1410 do									1418 d	1419 d	1420 d					
-	-	- ;	¥ :	2	14	14	14	14	14	14	. 7	14	. 2	-		-	4	7	7	14	14	14	7	7	-	. ~

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	FF 6.0	2	10 00	5 00	10 00	10 00	2 00	10 00	10 00	5 00	10 00	5 00	10 00	10 00	2 00	10 00	10 00	10 00
ntinued.	Where Examination was Fasted.	Yarmouth	Halifax	ор	Quebec	St. John	ор	ор	ор	ор	ор	Quebec	Yarmouth	ор	ор	ор	ор	Halifax
Certificates of Competency granted to Masters and Mates.—Continued	Address.	Note Woods Harbor N 3	Master Pictou, N.S	Wolfeville, N.S	Master, fore Cap St. Ignace, Quebec	Partsboro, N.S	Tracadie, N.B	(Carleton, N.B	St. George, N.B	Advocate, N.B	Dorchester, N.B	St. Jean, Quebec	Beaver River, N.S	North East Harbour, N.S	Mate Milton. N.S	ф	Lake Darling, N.S	Wolfeville, N.S
icy grante	Grade.	Mato	Master	Matc.	Master, fore and aft.	Master	Mate	Master	ф	Mate	Master	Mate	Master	ор	Mate	Master	ф ор	ф ор
List of Certificates of Competer	Name.				0, C, Bernier	L. Hatfield	James Davidson	Wm. A. Bay	Henry McDougall	C. Mcl. Motris	C. Cook	Jno. Delisle	F. H. Corning	Е. Р. Greenwood	Jas. G. Swith	28 Jas. H. Hopkirk	S. C. Bent	E, Harris.
	Date of Certificate.				April 15	do 20	do 20	do 20	do 20	do 20	do 20	do 23	do 28	do 28	do 28	do 28	do 28	do 30
<u>, </u>	Number of Ger- tificate.	1496 March	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442

\$ cts. 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 91 2 2 S Fee. 2 2 2 2 10 2 2 St. John St. John..... Yarmouth Examination was passed. Quebec..... List of Certificates of Competency granted to Masters and Mates.—Continued. ф ф မှ ф ဓှ ф ф ф ф ф ф | Pictou, N.S Master...... Albert, N.B Cheverie, N.S..... Hantsport, N.S | Point Prim, P.E. L..... St. John, N.B..... Second Mate Berthier, Quebec Halifax, N.S Mate..... Bay De Verte, N.B.....[Canning, N.S...... Port Medway, N.S.....|St Irenée, Quebec Mount Denson, N.S..... Yarmouth, N.S..... Mate..... Sackville, N.B..... Address. Port Medway, N.S .. ф Master..... do Mate..... : Master Grade. ဓ ģ ф ф qo ဓှ ф ф ę op | G. O. Sanderson Geo. M. Layton..... 9 | A. T. Cohoon G. A. Hoar.... E. S. Morine..... Н. Н Сразе J. N. Harvey A. Murchison X. Gauthier Robt. Hibbard 9 |C. Fraser..... R. T. Anderson Alfred G. Parker..... F. E. Eaton Alfred Talbot W. J. Farrell...... Name. W. J. Smith J. E. Toye Date of Certificate. 13 13 23 2 8 8 Augus ę ç ф ခု ф ġ. ಕ June July ф å. ę မှ qo ę, ф ф 178 1472 1476 1478 1485 1474 1475 1484 1470 1479 tificate. 1471 1477 1480 1482 1483 1481 Number of Ger-

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Sessional Papers (No. 11.)

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ор	ор	St. John	ор	ф ор	Charlottetown	Yarmouth	ор	Halifax	ор	ор	ор	op	ор	ор	ор	St. John	ор	ор	ор	Halifax	Yarmouth	do	ор	ф ор
	Halifax, N.S	Dorchester, N.B S	St John, N.B St. John, N.B	ор	Summerside, P.E.L	Plymouth, N.S	Pubnico, N.S	Cascumpec, P.E.I	Mate Newport Landing, N.S	Halifax, N.S	Hantsport, N.S	Onslow, N.S.	Lunenburg, N.S	Hantsport, N.S	Master Obeverie, N.S	St. John, N.B	ф	ор	ф	Mate	do Yarmouth, N.S	do	Cheboque, N.S.	Yarmouth, N.S :
		ф	ф ор	Master	ф	Ma te	Master	ф	Mate	Master	ф ор	Mate	ф	ф	Master	Mate	Master	2nd Mate	ф	Mate	ф	ф	Master	ор
9 J. Nelson do	9 А. Вгожа	16 R. J. Buck	16 J. Thomas	16 J. Mackenzie	20 T, W. Read	30 A. R. Johnson	30 W. H. Larkin	6 A. Rankin	***************************************	6 P. Anderson	6 D. Mitchaer	00	6 A. Liebko	6 M. H. Martin		***************************************			14 W. R. Kennedy	•••••••••••••••••••••••••••••••••••••••	16 C. Morrell	16 Geo, B. Stoneman	16 M. Herneon Cheboque, N.S	16 W. Goudey
۵	G,	16	16	16	20	30	30	မ	9	9	9	9	9	9	2	14	14	14	14	12	16	16	16	16
op 1	do	ę —	go.	qo	ę	ę	go.	Sept.	qo	qo	ę	đo	qo	go	ф	op -	do	qo	do	Oct.	ф	qo	ф	ę P
1486	1487	1488	1489	1490	1491	1492	1493	1494 Sept.	1495	1496	1497	179	1499	1500	1991	1502	1503	1504	1505	1506 Oct.	1507	1508	1509	1510
		11	_	10								179)											

LIST of Certificates of Competency granted to Masters and Mates—Continued.

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Fee.	# cts.	5 00	10 00	10 00	10 00	10 00	5 00	10 00	6 00	10 00	10 00	5 00	10 00	10 00	2 00	5 00	5 00	5 00
Where Examination was passed.	Yarmouth	St. John	Quebec	ор	Halifax	ор	ор	ф	Charlottetown	op	ф ор	St. John	ф ор	ф	ор	Yarmouth	ф	ф ф
Address.	Woods Islands, P.E.I	doSt. John, N.B	Master Cap St. Ignace, Quebec	Quebec	Londonderry, N.S	Pictou, N.S	Mate Londonderry, N.S	South Sydney, C.B	Charlottetown, P.E.I	qo	op	Boston, U.S.	Master Liverpool, N.S	Stettin, Germany	Windsor, N.S	Yarmouth, N.S	do Brooklyn, N.S	do Woods Harbour, N.S
Grade.	Kate	do	Master	- op	ф ор	ор	Mate	Master	Mate	Master	ор	Mate	Master	ф ор	Mate	do	ф	do
Name,	16 J. McLeod	18 F. Rouse	19 C. Bossé	19 J. B. Emond	S. G. McCully	J. S. Paige	6 H. N. McCully	6 I. W. C. Townsend	N. Murchison	18 M. MacPherson	18 P. Griffin	23 E. G. Riley	23 Robt. R. Parsons	23 E. C. Siediaann	23 W. Buchannan	29 J. A. Davis	29 David Morrill	29 A. N. Smith
Date of Certificate.		do 18	do 19	do 19	9	g op	g op	g op	do 18	do 18	do 18	do 23	do 23	do 23	do 23	do 29	do 29	do 29
Number of Ver- tificate.	1511 Oct.	1512 d	1513 d	1514 d	1515 Nov.	9151 180		1518 6	1519 G	1520	1521 c	1522 d	1528 d	1524 d	1525 d	1526 d	1527 d	1528

1529	qo	29	29 J. K. Mulball	Master		ф ор	10 00 11	-
1830	op	23	29 E. J. Larkin		do Pubnico, N.S	ф ор	10 00	
1531	op	53	29 W. A. Wyman Yarmouth, N.S	Mate.	Yarmouth, N.S	ор	2 00	
532	1532 Dec. 1	14	14 A. Mackenzie	Master		Halifax	10 00	
1533	op	14	14 Jonathan Douglas	Mate	Mate Maitland, N.S	ф ор	2 00	
1534	do 1	14	14 J. W. Harvey	ф	do Avondsle, N.S	ு	2 00	
1535	do 1	14	14 Leander Swain	Master	Master Halifar, N.S	ор	10 00	
1536	do 1	15	15 Wm. Harris	ф ор	do Annapolis, N.S	St. John	10 00	
1537	do 1	15	15 G. M. Lewis	Mate	Mate Harvey, N.B	ор	2 00	
1538	do 1	15	15 J. E. Robertson	Master	Master Sherbrook, N.S	ор	10 00	
1539	do 1	15	15 G. Y. Seely	2nd Mate	St. John, N.B	ор	2 00	
1540	do 2	'.	21 John Killam	Mate	Mate. Yarmouth, N.S. Tarmouth.	Tarmouth	00 2	
	1881					-		_
1541 Jan.		<u>-</u>	7 George Seely do	ф ор	ор	ф ор	2 00	
1542	op	~	E. J. Fritz	Master	Master St. John, N.B	do	10 00	•
1543	do		7 D. C. Spicer	Mate	MateSpencer's Island, N.S	ор	5 00 c	
1544	qo	<u>-</u>	7 H. V. Porter	Master	Master Tusket Wedge, N.S	ор	10 00	
1545	qo	<u>~</u>	7 F. L. Perry	Mate	Mate Ysrmouth, N.S	do	2 00	-
1546	do	-1	7 Jno. G. Allen	do	do Kelly's Cove, N.S	ор	2 00	
					Fees received from Candidates who failed to obtain their Certificates		1,180 00	
							1,320 00	

cts. 8 8 5 00 1,385 00 8 8 8 8 8 8 8 8 8 20 20 Fee. 10 10 Where Examination was ? Passed. St. John Halifax..... Master..... | Carnarvon Wales, G.B.............. | Halifax...... Halifax, N.S..... Quebec St. John List of Certificates of Competency granted to Masters and Mates—Continued. ф ф qo ф ф qo ф THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF COMPETENCY. Harborville, N.S...... Total received in comnection with Certificates of Competency for the year ended the 31st December, 1880 | Yarmouth, N.S...... do Digby, N.S..... St. John, N.B..... Halifax, N.S..... : Milton, N.S..... St. Rochs, Quebec Dorchester, N.B...... Address.River John, N.S..... ф ф do • :::: ::::: Grade. Mate. ę ф qo qo ф qo ф g, ф ф ф W. H. Smith. J. O. Reaume..... J. B. Morris C. J. McLean G. W. Baker J. F. Zachary G T. Thompson Thos. E. Cann P. Bishop C. Lerberg R. S. Sulia..... C. Raymond..... R. W. Barratt..... Name. B. McLeod Date of Certificate. 22 26 12 56 March 1254 April Sept. Dec. Feb. 1347 July 673 Aug. Dec. ф 553 May ф ф ф ф 936 Number of Cer-tificate. 213 1004 297 922 198 182

SER VICE.

1131	1131 Jan. 9	9 David J. Kitchin	Master	Master Picton, N.S	Halifax	2 00
1132	do	17 Thomas Boudreau	do	Arichat, N.S.	do	2 00
1133	ф	31 Henry Richard	do	do do	ф ор	2 00
1134 Feb.		20 William Barris	ф	St. John, N.B	St. John	2 00
1135	do 26	26 Simon Bondreau	ව	Arichat, N.S	Halifax	2 00
1136	1136 March 5	5 Auriel A. Terrio	go	West Arichat, N.S	ор	2 00
1137	do 5	5 Lawrence Ferrest	do	do do	ор	2 00
1138	6 op	9 N. K. Clements	do	Yarmouth, N.S	ф ор	2 00
1139	do 10	10 Samuel W. Theall	• do	St. John, N.B St.	St. John	2 00
1140	do 11	11 M. G. Hamm	• qo	do	ор	9 00
18	op	23 E. Cloutier	ф ор	Cap St. Ignace, Quebec	Quebec	2 00
S 1142 April	April	7 William Mouser	• do	Brooklyn, N.S	Halifax	2 00
1143	сp	13 Ariste Bélanger	op *	Cap St. Ignace, Quebec	Quebec	\$ 00
1144	do 16	16 Edward Leblanc	ę P	West Arichat, N.S	Halifax	2 60
1145	qo	20 William Boudreau	ф ор	D'Escousse, N.S	ф ор	2 00
1146	qo	20 Abraham Terrio	op *	West Arichat, N.S	ор	2 60
1147	do 23		Mate	Mate St. Catharines, Ont	Quebec	3 00
1148	do 27	27 Onésime Bernier	*Master	"	ор	2 00
1149	op _	27 Octave Bossé	op *	ор	ор	2 00
1160	do 30	30 M. Leblanc	* do	Port Royal, N.S Halifax	Halifax	2 00
1151	May	11 Murdock Leblanc	Mate	D'Escousse, N.S	ф ф	3 00
1152	do 17	17 F. Descroiselle	*Master	-Master St. Roch, Quebec Quebec	Quebec	٠ 5 د٥
*	ore and Aft	* Fore and Aft rigged Vessels.				

		Lism of Certificates of Servic	e granted	LIST of Certificates of Service granted to Masters and Mates-Conlinued.	ued.	
Number of Oer- tificate.	Date of Gertificate.	Name.	Grade,	Address.	Where Bramination was Passed.	Fee.
						& cts.
1153 June		10 Rodman Pratt	Master	Somerville, N S	Halifax	2 00
1154	do 10	10 Wm. Nickerson	ф ор	Halifar, N.S	ор	00 9
1155	do 16	16 Lawrence LaVache	op *	West Arichat, N.S	ф	2 00
1156	do 18	Edward Boudreau	Mate	Arichat, N.S	ф ор	3 00
1157	do 28	28 Robt. D. Barker	do	Hantsport, N.S	ор	3 00
	July 2	***************************************	Master	Master Yarmouth, N.S	Yarmouth	2 00
		13 Peter Petipaw	ор	D'Escousse, N.S	Halifax	2 00
		***************************************	op •	Granville, N.S	St. John	2 00
1911		18 Thomas Boudreau	ф	Poulamond, N.S	Halifar	2 00
1162	 Sept. 18		Ma te	Pictou, N.S	ор	3 00
1163		20420, 400000000 patri lead 1000000000000000000000000000000000000	Master	Master D'Escousse, N.S	ор	2 00
		Wm. English	ф	Halifax, N.S	фор	00
1165	Nov. 16	16 Daniel Forbes	ф	Clifton, N.S	ф ор	2 00
		***************************************	Mate	Mate Arichat, N.S	do	3 00
		16 William Fraser	ф	Grandique Ferry, N.S	ор	3 00
1168			Master	Master Harbour au Bouche, N.S	ор	2 00
	1881	000000000000000000000000000000000000000	• Mate	"Mate Arichat, N.S	ф	3 00
			Fore and Aft Rigged Vessels.	Versels.		179 00

2 50 20 20 20 64 981 St. John Port Medway, N.S | Halifax Norm.—The sum of \$1,556.50 has been deposited to the credit of the Receiver-General on account of fees received.

The difference, \$15.00, between this amount and that shown by the statement is owing to the fact that three Candidates had paid their fees in December, 1879, but the certificates did not issue till January, 1880. S cts. Service...... 186 50 Total amount of fees received during the Year ended 31st December, 1380 1,571 50 qo THE FOLLOWING PERSONS RECEIVED RENEWAL CERTIFICATES OF SERVICE. Total fees received in connection with Certificates of Service for the Year Master. St. John, N.B..... | Pictou, N.S...... ending 31st December, 1830, 2 -4 NWDS đ Geo. H. Chisholm...... John Leary Alex. Fleet ф 13 308 NOV. 100 May

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List of Canadian Certificates of Competency and Service which have been cancelled during the year ended 31st December, 1880.

	tion.	1, 1880	21, 1880	13, 1880	13, 1880	2, 1880	2, 1880	21, 1880	18, 1880	9, 1880	12, 1880	15, 1880	12, 1880	15, 1880	15, 1880	13, 1880
	Date of Gaucellation.	i		do 13	do 13		do ,		February 18		do 13	do 10	do 15	do 18	do 1/	
	llation,	ica te	January			February February		January	4				***************************************	***************************************		minimo mes en minimo April
)Y.	Gause of Cancellation,	Mate Passed for a higher grade Certificate January	op op	op op	op op	op op	do do	op op	do do	do do	do do	do do	do do	op op	op op	do do
COMPETENCY.	Grade.	fate Pa	ф	do	do	ф	ор	do an	do	ф ор	do	do	op	do	ф ор	ф
	Name.	W, Hankinson	E. Rathbun	C. Doty		H. Parker	E. Goudey	L. Blderkin	J. Crasso	Z. Caron	Mair	N. Bell	6, 1876 W. Conaughton	Gardner	W. Perty	O. Bernier
	Date of Certificate.	June 13, 1879 T.	July 9, 1877 J.	July 28, 1877 J.		1052 August 28, 1877 A.	950 December 21, 1876 J.	June 18, 1877 J.	1093 December 13, 1877 J.	June 11, 1877 Z.	826 March 17, 1876 G.	1245 February 25, 1879 J. 1		May 26, 1877 Fr.	March 21, 1879 C.	1087 November 28, 1877 O.
Ì	Numberjof Ger- tificate.	1300 June	1029 July	1035 July	1037	1052	950	1021 June	1093	1018 June	826	1245	855 May	1007 May	1255 March	1087

20	700 (May	3, 1875.	3, 1875 [F. Ouellet	do	ор	op			15, 1880
1083	November 3	24, 1877.	1083 November 24, 1877 J. A. Smith	ф	ф	do		do 2	26, 1880
983	992 April	26, 1877 G. M.	G. M. May	ор	do	qo		do 1	15, 1880
1006		17, 1877	17. 1877 C. Fortin	do	do	qo		do 1	15, 1880
946	mber	1, 1876	945 December 11, 1876 M. J. McKeon	qo op	qo	qo	April		24, 1880
1046	1046 August 2	38, 1877	28, 1877 J. McKenzie	••••• ор	do	o p	Angust		13, 1880
901		13, 1876	901 August 13, 1876 R. Hibbard ,	ор	do	qo	July		27, 1880
951	951 December 21, 1876 W. J.	11, 1876	W. J. Sraith	ор	do	qo	June		18, 1880
1132	1132 April 3	36, 1878 W. J.	W. J. Farrell	do	qo	op	July		8, 1880
1122	_	8, 1878	28, 1878 G. N. Layton	ор	qo	qo		August	3, 1880
1075	October 2	9, 1877	1076 October 29, 1877 D. Mitchner	ор	qo	qo	September		2, 1880
903	903 September 5, 1876 T. W.	5, 1876	Т. W. С. Тоwnsend	ф	qo	qo		November	3, 1880
1172 July		25, 1878	25, 1878 S. G. McCully	ф ор	op	qo		qo	3, 1880
1289		11, 1879	11, 1879 М. Нешеоп	ор	qo	qo)	October 1	12, 1880
1145		8, 1878	18, 1878 W. Goudey	ор	qo	qo		do 1	12, 1880
1088	 November 2	8, 1877	1088 November 28, 1877 C. Bossé	ор	đo	qo		do 1	12, 1880
991	991 April 2	16, 1877	26, 1877 J. B. Emond	фор	qo	qo		do 1	18, 188
923	er	20, 1876 J. T. I	J. T. Florian	ор	qo	qo	January		7, 1881
993		13, 1877 E. J.	E. J. Larkin	ф ор	qo	qo	November 22, 1880	November 2	12, 1880
1082	2ber	34, 1877	J. R. Mulhall	ф ор	qo	qo		do 2	22, 1880
1141	1141 May 1	13, 1878 P. Gri	P. Griffin	ф ор	фo	do		do 1	12, 1880
1072	October 2	39, 1877	1072 October 29, 1877 E. J. Fritz	dod	qo	do	December December		31, 1880
864	864 May 3	31, 1876	31, 1876 N. Churchill	ор	qo	do		August 1	14, 1830
1097	December 2	.9. 1877	1097 December 29, 1877 J. McDonald	do ob	qo	do	September 1, 1880	September	1, 1880
1196	1196 October	8, 1878	8, 1878 A. J. Morrison.,, do	ф	φ	qo			30, 1880

								==		===	==
Date of Cancellation.	17, 1880 31, 1880 8, 1880 12, 1880 12, 1880		13, 1880	20, 1880	26, 1880	19, 1880	16, 1880	3, 1880	29, 1880	8, 1880	r 2, 1880
Cance	January March May September Junc May		January	March	April	op	op	July	June	July	Sentember
lation.	Master Made a false statement of service January 17, 1880 Mate, renewal. do renewal. renewal. and renewal. and renewal. do May by Department without any explanation September 21, 1880 Master Died in Demarara. May 1880			March	A pril	***************************************		***************************************	June		Santember 2 1888
Cause of Cancellation.	e statement of service a higher grade Certifi t sea		a higher grade Certifi	qo	op	đo	op	op	op	qo	, n
	Made a fals Passed for s Drowned at do do Died in Der)B.	Passed for a	op	qo	qo	op	op	op	op	-
Grade.	Master Mate, renewal. do renewal. Master do	SERVICE.	Mate	ф	Master	op	Mate	do	Master	ф ор	
. Маше.	19, 1879 F. J. Kearney Master Made a false statement of service January 13, 1873 J. W. Penery Mayer Mayer Mayer Mayer Mayer Mayer Mayer September and sea Mayer Mayer June 27, 1873 I. F. Miller Miller Mo Died in Demarara		J. E. Crosby	25, 1876 J. Reid	J. F. Wolfe Master	E. Greenwood	G. Cook	E. S. Morine	38uthier	11, 1874 J. N. Harvey	-
Date of Certificate.			21, 1873 J. E.	25, 1876	29, 1872 J. F.	868 December 5, 1874 E. G	16, 1879 C	836 October 17, 1874 E. S.	17, 1876 X. (11, 1874	
I Oeri	1330 August 391 August 18 October 866 June 696 May 188 October		493 May	1032 May	72 July	December	1126 July	October	1042 July	770 July	
Number of Ger- tificate.	330 391 18 866 696 418	- {	493	032	7.5	898	126	836	042	770	

==										_
3, 1880	7, 1881	10, 1880	7, 1881	7, 1880	31, 1880	22, 1880	31, 1880	27, 1880	10, 1880	
November	January	December	January	December	December	November	March	April	Мау	
November 3, 1880	January	December 10, 1880	January	December 7, 1880	December 31, 1880	rorzel Mate Mate Dead Dead	Cord Master Died of Yellow Fever March	do Dead April		
op c	op do	op	op	op qo	qo		Yellow Fever		368	
op	ф	op	do do	op	op	Dead	Died of	Dead	Died at	
ф ф	Master	ф ор	Mate	Master	ф ор	Mate	Master	ф	Mate	
Paige do			****							
Jas. Paige	J. Dodd	W. Haris	W. F. Gilchrist Mate	A. Mackenzie	H. V. Porter	E Frorzel	N. Secord	H. A. Hansen	E. Rutledge	
23, 1878 Jas. Paige	15, 1874 J. Dodd	10, 1886 W. Harris	_	6, 1876 A. Mackenzie		1, 1872 E. Frorzel	9, 1874 N. Secord		3, 1872 E. Rutledge	
629 October 23, 1878 Jas. Paige	720 May 15, 1874 J. Dodd Master	1134 February 20, 1886 W. Harris	_	1028 May 6, 1876 A. Mackenzie	319 December 13, 1872 H. V. Porter	175 October 1, 1872 E. Frorzel	691 February 9, 1874 N. Secord	434 April 4, 1873 H. A. Hansen	317 December 13, 1872 E. Rutledge Mate Mate Mate Died at sea	

APPENDIX No. 7.

REPORT OF THE HARBOUR COMMISSIONERS OF MONTREAL FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

SECRETARY'S OFFICE,
MONTREAL, 2nd February, 1881.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Sir,—I have the honour, by direction of the Harbour Commissioners of Montreal, to forward 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, 1880.

THE RECEIPTS from all sources were as follows, viz.:-

	\$	cts.	\$	cts.
FROM COLLECTOR OF CUSTOMS, MONTREAL. Wharfage on goods, inwards	82,303 55,043	20 21 87 85	273,911	13
Local Traffic. Wharfage on goods, inwards	843 16,695 6,402 16,983 606 2,748 1,653	58 61 36 24 33 60 00 96 00 30 55	52,513	56
Net Revenue	Ì		326,424	69
FROM DOMINION GOVERNMENT. Received on account of new channel operations			140,000	69

THE RECEIPTS from all sources-Concluded.

	\$	cts.	\$	cts
Brought forward			466,424	69
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF NEW CHANNEL OPERATIONS.			·	
H. & A. Allan, timber rent, &c D. & J. McCarthy, timber, &c J. R. Booth, damage to dredge No. 3 R. Reford & Co., damage to wharf at Sorel Sincennes & McNaughton Line, timber, &c Suadries	49 62 50 90	25 52 00 51 00 58	077	
Rent of offices in old building do new do	1,020 2,187	00 50	375	86
Fines collected Debentures sold, Series A Received for cancelled insurance stamps do from S. Filgate for str. "Richelieu"	 		3,207 10 100,000 223 1,000	50 00 00 35 00
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF HARBOUR DREDGING.	İ			
Capt. D. White, damage to dredge No. 5	180 152	90 00	332	00
SUNDRY AMOUNTS RECEIVED FOR CREDIT OF HARBOUR REPAIRS.				
Montreal Fire Department, plank	. 2	73 50		
Interest on bank account			97 2, 6 90	23 10
Total Receipts	l.		573,760	73

THE EXPENDITURE was as follows, viz.:—

	\$	cts.	\$	cte.
				1
		i		
TT 1		i }	405	09
Harbour survey	•••••		405 149,898	39
Buoys and beacons			4,258	11
Harbour dredging			36,679	51
do repairs			17,427	82
do expenses			25,437	45
Printing, advertising and stationery			1,833	46
Interest on harbour debt			112,721	38
Travelling and incidental expenses		!	535	46
	1	1 1	}	1
O A A		!	1	l
CONSTRUCTION ACCOUNT AS UNDER.	ĺ	1 1		1
Board of Engineers, harbour plans	2,500	00	!	i
Sections 13 and 14	6,185	75	i	1
Section 17	7,600	55		
Victoria Pier, Section 20	3,246	05		1
Windmill Point Wharf.	2.006	93	j	ļ
Hochelaga Wharf, Sections 38 and 39	6,374	86		1
Section 29	1,478	85	1	l
	<u> </u>	j!	29,392	99
Legal expenses			698	55
Lighting wharves—electric light	8,626	54		1
do coal oil	677	49		i
		l	9,304	03
Wharfages returned			209	11
Expenses collecting wharfages at Longue Point			3	50
do moving barge "Pierreville"			1	50
Brissette & Normandin, refund of rent paid for timber lot		!	225	00
Cattle sheds			6,014	60
Dominion Government interest			58,902	74
Latrine.			460	36
Now dead sing plant the (C. I. Brydges)	E 000		972	46
New dredging plant, tug "C. J. Brydges" do new scows	1 1 610	76	1	1
	I		6,619	76
Sundry accounts written off	{	<u> </u>	1 298	86
•	!	t i	250	.
Total Expenditure		1	462,300	13
•		1	1	

The receipts from wharfage are largely in excess of any previous year, being \$61,075 more than 1879, and \$45,292 over 1874, which was the year of our greatest revenue prior to this.

The local traffic continues to fall off, being \$2,567 less than last year, which is caused, as has already been stated in former reports, by the increased railway

facilities.

The Chief Engineer's report, which is forwarded you, contains a full account of the works within the harbour. You will notice that mention is made therein to the

lighting of a large portion of the harbour by the Brush Electric Light.

The following annual reports are also transmitted:—1st. The Harbour Master's, with comparative statements of the trade of the port. 2nd. The Superintendent of Pilots, with reference to the maintenance of the buoys in the harbour and river. 3rd. That for the Pilotage District of Montreal.

It will be seen from the Harbour Master's statements that the total amount of tonnage, inland and sea-going, is 1,672,651 tons—the largest on record, and an increase over last year of 348,259 tons. The sea-going steam tonnage shows an increase of 205,863 tons over 1878, and of 97,388 tons over 1879. The average size of the vessels—

is also larger; and the opening of the new channel at Cap la Roche has enabled them to load down two feet more than formerly, thus making a large saving in

lighterage, &c.

The deepening of the Ship Channel between Montreal and Quebec is progressing most satisfactorily. The Chief Engineer's annual report on this matter for the year ended the 30th June last, has been forwarded to the Department of Public Works as

I have the honor to be, Sir,

Your most obedient servant,

H. D. WHITNEY,

Secretary.

HARBOUR COMMISSIONERS OF MONTREAL. HARBOUR MASTER'S OFFICE, MONTREAL, 4th January, 1881.

H. D. WHITNEY, Esq., Secretary, Harbour Commissioners of Montreal.

Sir,—I beg to submit, for the information of the Board of Harbour Commissioners, the following, as my annual report for the year 1880, with accompanying comparative statements, showing the numbers, tonnage classification, &c., of vessels that arrived in port the past ten years.

On the 1st January the weather was fair and pleasant, the thermometer at eight a.m. registering 4° above zero; in the afternoon it was very much milder. Wind south-west; sleighing good; the river opposite the city was full of floating ice, passing slowly downwards, and the water six feet over the wharves, and still rising; teams were crossing the river about two miles below Longueuil, and landing two miles above Long Point. On the 2nd January, the water reached its highest point, seventeen feet four inches above the summer level; the ice then became stationary, a road was made over it from Longueuil to Hochelaga, and teams crossed the same day; several people on foot also crossed from St. Lambert's to the city. On the 3rd January a road was made to St. Lambert's and teams crossed; people crossed on foot from Laprairie the same day. On the 5th January, a road was made to Laprairie, and teams crossed the same afternoon. On the 13th January, the managers of the Quebec, Montreal, Ottawa and Occidental Railroad, and the managers of the South Eastern Railroad, commenced laying a track on the ice from Hochelaga to Longueuil, connecting the two roads, and completed it on the 30th. The following day the road was opened and ready for business, and trains commenced running regularly. The average height of the water in the harbour in January was 13 feet 5 inches above the summer level, and the average temperature of the month, at 8 a.m., was 19° Fahrenheit. The coldest day of the month was the 30th, the thermometer at 8 a.m. registering 2° below zero.

February commenced with a heavy snow storm; the weather during the month was changeable, but not as cold as the previous February. The average height of water in the harbour during the month was 11 feet above the summer level, (gradually falling) and the average temperature, at 8 a.m., 16°. The coldest day

was the 2nd, the thermometer at 8 a.m. registering 10° below zero.

March commenced with clear, bright weather; there was a scarcity of snow for good sleighing, and many wheeled vehicles were to be seen in the streets. On the 5th, 6th and 7th, several inches of snow fell, and on the 8th sleighing was very good and wheeled vehicles disappeared. The sleighing continued fair up to the 18th, when the weather grew mild; snow and ice began to thaw rapidly, wheels again appeared in the streets. The appeared in the streets and increased daily, until they came into general use. The average height of water in the harbour in March was 10 feet 3 inches above the summer level, and the average temperature, at 8 a.m., 18°. The coldest day of the month was the 11th, the thermometer registering, at 8 a.m., 5° below zero. On the 30th, the water reached its lowest point, 5 feet 3 inches above the summer level, and on the 31st began to rise again.

April commenced with fine, mild weather. On the afternoon of the first, the ice in the river began to show symptoms of weakness and decay. In the evening of the same day, a commencement was made to remove the ice bridge railroad connecting Hochelaga with Longueuil, from the river, and its removal was completed on the night of the 4th. All parties interested in the enterprise were well pleased, as it

proved to be a complete success.

The first shove of the ice, opposite the city, took place in the morning of the 5th April, and again in the atternoon, when a large body of ice passed downwards. The water in the harbour that day was 10 feet 8 inches above the summer level and still rising. On the 6th the ice shoved again, and early in the morning of the 7th a very heavy shove took place, piling it in several places very high, particularly on Mouton Island, where it was piled up to the height of forty-four feet; the water in the harbour at that time was seventeen feet above the summer level, and immediately began to recede. An open channel was then to be seen from St. Helen's Islan'l to as far as could be seen above the Victoria Bridge. There was no crossing on the ice from the south shore this day. On the 9th teams crossed from the south shore to Longue Pointe. On the 13th a large quantity of ice left the harbour, the water falling rapidly, a large quantity of ice deposited upon the wharves from one end of the harbour to the other. On the 14th the tops of the wharves were visible, on the 15th the channel was open some distance below the Cotton Factory, and a large number of labourers were engaged in removing the ice from the principal wharves; the ice daily kept moving downwards, and the water continued to recede. On the 17th two schooners (river craft) arrived in port from Boucherville, where they wintered. On the 20th of April a large number of labourers were still engaged in removing ice and snow from wharves. On the 21st the ferry steamer "Longueuil" arrived in port, and immediately commenced running her regular trips; the steamer "Berthier' also arrived in port from Sorel, the first boat of the season from that place. The steamship companies commenced erecting their sheds on the wharves, and all necessary arrangements were being made for the reception of the spring fleet. On the 22nd market steamers "Chambly" and "Hero" arrived in port from Sorel, and the market steamer "Berthier" left on her first trip. The tug steamers "St. Paul" and "St. John" arrived in port from Sorel with dredges, derricks, scows, &c., property belonging to the Harbour Trust. On the 26th April there were a considerable number of small vessels in the harbour; the dredges commenced work in deepening the channel, and the harbour in front of the city began to have quite a lively appearance. On the 29th April the ice bridge at Cap Rouge, near Quebec, gave way, and the following day the channel was open from this port to the sea. The average height of water in the harbour in April was 8 ft. 10 in. above the summer level, and the average temperature at 8 a.m., 38°. The coldest day of the month was the 12th, the thermometer at 8 a.m. registering 17°.

On the 1st May the steamer "Montreal" arrived in port from Sorel, and left the same evening for Quebec on her first trip. On the 2nd May the steamship "Prussian" arrived in port from Glasgow, the first vessel from sea; and on the 4th the ship "Abeona" arrived in port from Glasgow, the first sailing vessel from sea. From that date vessels arrived daily, and by the middle of the month there were a

considerable number in port, and business fairly commenced.

The improvements made in the harbour were of great advantage to the trade of the port, the wharves being all in good condition, and although the tonnage has never been as large as it has been this year, there was ample accommodation for all vessels that arrived, and not one of them was at any time detained for want of a suitable berth to transact their business in.

There were 7,966,263 feet of lumber shipped for South America this season, in 20 vessels of the aggregate tonnage of 10,124 tons. This business is carried on at the

lower end of the harbour, and, no doubt, will yearly increase when the wharves now in course of construction at that point are completed. They will afford extensive

accommodation for that branch of industry.

Seven hundred and ten (710) sea-going vessels arrived in port this season, of the aggregate tonnage of 628,271 tons, 395 of which were built of iron, of the aggregate tonnage of 523,638 tons, and 315 were built of wood, of the aggregate tonnage of 104,633 tons. These vessels were navigated by 18,046 seamen and composed of the following nationalities, numbers and tonnage :-

Nationality.	Number.	Tonnage.
British	643	595,151
Norwegian	24	11,517
Austrian	17	8,977
American	8	3,832
Spanish	õ	1,907
German	3	2,285
Hungarian	3	1,484
Swedish	. 3	1,331
Italian	2	927
BelgianFrench	1	500
French	1	360
	$\frac{710}{}$	$628,\!271$

On the 21st November, the weather turned cold and ice began to form rapidly. On the 22nd, the last of the sea-going vessels left port for sea. On the 25th, all inland vessels left the port, excepting the Longueuil and Laprairie ferry steamers. The Lachine Canal was closed the same day. On the 27th, the Laprairie ferry was sent to winter quarters (Boucherville). On the 29th, the steamer "Star" arrived in port from Sorel, and left the following morning for the same place. On the 1st December we were visited with a heavy snow storm; after that date the ice in the river increased daily, and the water continued to rise. On the 3rd December, the river being full of ice and so closely packed, it was impossible to navigate the Longueuil ferry steamer any longer; she was consequently sent to winter quarters at December, the river being full of ice and so closely packed, it was impossible to navigate the Longueuil ferry steamer any longer; she was consequently sent to winter quarters at Boucherville.

At the time of opening of navigation the water in the harbour was seven feet above the summer level, or 29 feet in ship channel; it kept up well until the 23rd of May, when it gradually began to recede, and on the 2nd October it reached its lower resident. lowest point (nine inches below the summer level), or 21 ft. 3 in. in ship channel; after that date it began to rise again, and on the 29th December reached its highest Point, 14 ft. 5 in. above the summer level; on the 30th it began to recede again, and on the last day of the year it was 13 ft. 2 in. above the summer level and gradually falling. A road was commenced on the ice to connect St. Lambert with the city, and the road below St. Helen's Island connecting Longueuil with the city was in

general use.

Yours respectfully,

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.

	Number of Vessels.	Tonnage.	Greatest number in Port at one time.
1871	6,875	824,787	281, 6th October.
1872	7,150	936,782	309, 8th June.
1873	6,751	958 ,462	296, 8th June.
1874	6,855	956,837	301, 14th June.
1875	6,178	811,410	256, 4th August.
1876	6,083	786,083	262, 9th November
1877	6,333	847,978	258, 3rd October.
1878	5,502	764,243	261, 15th October.
1879	5,698	817,243	227, 6th November
1880	6,489	1,044,380	253, 7th July.

A. M. RUDOLF,

Harbour Master.

HARBOUR OFFICE,

MONTREAL, 4th January, 1881.

PORT OF MONTREAL.

Comparative Statement showing the Dates of the Opening and Closing of Navigation, first arrival from Sea and the last departure for Sea, the past ten years.

	•	pening of igation.	Close of Navigat			arrival m Sea.	Last deps for Se	
1871	April	8	December	1	April	22	November	29
1872	May	1	do	8	May	5	do	28
1873	April	25	November	26	do	4	do	21
1874	do	25	 De cem ber	13	do	11	do	21
1875	May	3	November	29	do	9	do	2 2
1876	A pril	27	December	10	do	8	do	23
1877	do	17	January 2	, 1 8 78	April	29	do	24
1878	March	30	December	2 3	do	20	do	24
1879	April	24	do	19	May	1	do	24
1880	i	17	i	3	do	2	do	22
					<u> </u>			

A. M. RUDOLF,

Harbour Master.

HARBOUR OFFICE,

Montreal, 4th January, 1881.

PORT OF MONTREAL.

COMPARATIVE STATEMENT showing the Number, Tonnage and Classification of Sca-going Vessels that have arrived in Port from the Maritime Provinces the past ten years.

Total Tonnage.	45,262 14,450 16,745 18,3741 18,852 17,934 15,575 13,450 113,450
Total Number of Vessels.	233 231 246 286 214 214 2165 220 220
Tonnage.	9, 213 11, 672 8, 056 10, 493 8, 526 7, 322 3, 924 6, 683 6, 683 6, 662
Schooners.	133 147 198 108 92 67 67 63 68
Tonnage.	3,929 7,515 4,844 6,036 5,397 4,220 2,714 4,196 3,660
Brig-	24 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Топпаде.	1,714 533 1,422 622 331 993 758 954 457
Brigs.	∞ m ∞ m ⋈ 4 m m ⊢ ⊓
Tonnage.	8,449 16,007 18,085 18,681 18,180 15,451 13,566 13,749 33,271 36,294
Barques.	20 20 20 20 20 30 20 20 20 20 20 20 20 20 20 20 20 20 20
Топпаде,	3468 2,364 4,364 1,874 739 4,306 1,73 1,73 1,73 2,402
Ships.	40000-10000
Топпаде.	18,469 39,378 39,378 59,061 53,903 69,541 47,199 39,277 21,812 40,686 62,688
Steam- ships.	68 68 101 120, 124, 87, 88,
ı	1871 1873 1873 1874 1875 1876 1876 1877 1878 1878

A. M. RUDOLF, Harbour Master.

HARBOUR OFFICE,
MONTREAL, 4th January, 1881.

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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 in each year.

Greatest Number in Port at one time.	89, Oct. 27. 84, do 30. 84, Aug. 28. 76, July 6. 60, Aug. 18. 60, July 24. 60, Oct. 19. 45, June 3. 49, Aug. 13. 67 do 4.
Total Tonnage.	351,721 398 8.0 412,478 423,423 3-6,112 391,103 376,889 397,265 506,969
Total Number of Vessels.	664 727 702 731 731 643 603 603 613 613 710
Топпаде.	15,551 14,358 12,683 19,096 13,996 13,981 11,955 11,955 12,606
Schoon- ers.	180 145 147 169 128 123 109 1197
Tonnage.	7,839 11,501 8,581 10,688 9,801 5,801 6,537 8,560 9,715
Brig- antines.	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Tonnage.	6,539 6,539 7,221 8,928 7,530 2,560 1,444 3,252
Brigs.	26 20 20 115 117 10 10 110
onnage. Barques Tounage.	83,263 87,149 75,591 80,577 65,167 66,009 58,711 66,223 711 65,223
Barques	170 182 164 164 138 116 108 113 121
Топпаде.	92.502 63,715 65,823 65,823 36,895 37,303 41,904 47,517 38,412 56,141
Ships.	000 000 000 000 000 000 000 000 000 00
Tonnage.	116,927 217,713 245,237 263,096 255,446 261,764 261,764 269,878 378,353 475,741
Steam ships.	142 242 240 240 247 247 289 354
ı	1872 1872 1872 1874 1875 1876 1876 1878 1878

A. M. RUDOLF, Harbour Master.

HARBOUR OFFICE, 4th January, 1881.

HARBOUR COMMISSIONERS OF MONTREAL, CHIEF ENGINEER'S OFFICE, MONTREAL, 20th January, 1881.

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 1880.

The principal works of the past year are the enlargement and deepening of the Windmill Point Basin, the renewal from water line upward of the old wharf in Sections 12 and 13, and raising it up to standard level; the completion of the new wha fin Sections 13 and 14, and the consequent removal of the outer end of Wellington Pier, and filling of part of Metcalfe Basin; the widening out of the wharf in Section 17 to the line of that in Section 16; the renewal of the lower end and inner side of Victoria Pier, Section 20, from the water line upward and raising it to the standard level; the dredging away of a great part of the shoal between the front of the wharves and the main channel opposite Sections 22 to 25; the construction to medium water level of 4.7 feet of wharf in sections 38 and 39, between the Hochelaga and Hudon wharves; the further deepening and improvement of the main ship channel through the harbor from opposite Section 21 up to Section 13; the installation of electric lighting on the wharves of the central part of the harbour; and the construction of cattle sheds.

The following are the chief details: Sections 5 to 10 (Windmill Point, Basin and Wharf). There was no extension in length of timber work of the wharf this year, but the upper end which was left unplanked in 1879, was entirely finished in 1880, and the back-filling in rear was also carried up to the finished height and to the full breadth of the harbour property.

The rondway ceded to the Harbour Commissioners from their property to Mill Street at the boundary line between hydraulic lots 11 and 12, has been graded so as to effort were constant direct access to the planting for

to afford more easy and direct access to the wharf in Section 6.

Dredging to the extent of 43,000 cubic yards has been done in deepening and widening the basin, and the work has so far progressed that at low water vessels drawing 20 feet are now berthed up to a distance of 1930 feet from the lower end of the wharf, and vessels of 15 feet or under are berthed to 500 feet further up.

Expenditure in 1880 on wharf back-filling and roadway, \$2,186; on dredging,

\$16,430.

Section 11.—Some shallow places in front of the wharf between the new entrance of the Lachine Canal and the outer corner of the Windmill Point wharf

were dredged out to a depth of 24 feet, at a cost of \$1,750.

Sections 13 and 14.—At the close of work in 1879, the new wharf under construction across the basin and in line of the wharf in sections 12 and 13 had been carried up to six feet above low water mark, about one-third of the basin had been filled up and the greater part of the projecting end of Wellington Pier had been removed. Work was vigorously resumed at the opening of navigation in 1880, and by 2nd June the timber work of the new wharf was finished, and by 7th July the basin was filled in, and the whole work completed for use. The length of broken wharf frontage abolished by the improvement is 817 lineal feet, and the length substituted in line of sections 12 and 13, is 328 lineal feet, together with an increased wharf area of 29,400 square feet.

Expenditure in 1880.—Timber work [\$1,533; backfilling and macadamizing,

\$4,167; dredging, \$4,388; total, \$10,088.

Section 17.—In order to increase the effective accommodation of the wharves in Sections 16 and 17, which were divided into two portions each, of which was longer than necessary to berth one ordinary ship, but not enough for two, the wharf in section 17 was extended forward into the basin to the line of that in Section 16, thus making a continuous wharf line of 892 feet and gaining 18,488 square feet in area.

The new piece of wharf is of pile work, 425 feet in length of front, 62 feet in breadth at one end and 25 feet at the other, and has 25 feet and over in depth at low water. ('ost, \$7,654.

Sections 22 to 25.—The clearing away of the shoal extending from Victoria Pier, Section 20 to Section 28, has been continued throughout the summer, two dredges having been engaged upon it the greater part of the time. The upper and wider half of the shoal has now been deepened to 25 feet at low water, but the dredging remains to be proved and any overlooked lumps removed. Quantity dredged this summer 69,800 cubic yards, at a cost of \$12,277.

Sections 38 and 39.—Plans and estimates for the construction of a wharf to fill the space between the Hochelaga and Hudon Wharves, 1,102 feet in length, were made in the early part of the summer, and on 1st September the Board ordered the work to be carried out. Construction was commenced forthwith at the up stream end, and by the close of navigation 427 lineal feet of crib-work had been built up about two feet above low water level, and the backfilling also made. A considerable quantity of backfilling has also been deposited from the derricks, but it is not yet levelled down on the remaining part of the beach. Expenditure, \$7,040.

Sections 40 and 41.—A considerable quantity of surplus dredging have been deposited along the beach both above and below water line from the Hudon wharf downward so as to be utilized in the construction of any wharves which may hereafter be required.

Ship Channel in the Harbour.—Though not a part of the harbour work proper, the deepening of the Ship Channel through the harbour is usually noted in the Harbour Report. This year one to three dredges have been employed in deepening to 25 feet at low water, and widening the part of the Channel from opposite Section 21 to near the mouth of the Lachine Canal. Total quantity dredged 47,500 cubic yards at a cost of \$10,500.

Electric Lighting of Wharves.—For over two years past, the various systems of electric lighting which appeared to have been successfully brought into use on an extensive scale have been carefully watched, with a view to ascertaining if any of them might be applied with advantage to lighting the Montreal wharves so as to allow of cargo being handled with facility during night. After extended correspondence with prominent makers of apparatus on this continent and abroad, and with users of the light on a considerable scale, and on comparing the estimated cost with that of other systems of lighting, the Board arranged last spring with the Brush Electric Light Company of New York to furnish apparatus for lighting the central part of the harbour on certain conditions, the chief of which was that the Board might purchase the apparatus or not as might seem fit after sufficient trial.

Lighting was commenced on 11th June, with one machine and sixteen lamps, and after seven weeks use, the apparatus was purchased, together with an increased number of lamps, so as to reach additional wharves, and the lighting was continued with satisfactory results till the close of navigation. Power was, through the kindness of the Dominion Government, furnished temporarily from an engine in the Custom House.

The lighting equipment as it stood till taken down at the close of navigation consisted of one Brush Dynamo-Electric Machine, working a single circuit of 14,600 feet, or 23 miles, in length, on which are arranged 21 lamps, any 16 or lesser number of which may be used at once on such wharves as vessels desire to handle cargoes during the night, the remaining lamps being simply switched out as a gas lamp may be turned off. The length of the district covered by the lamps is $1\frac{1}{12}$ mile, and and the wharf frontage, including piers, is 9,100 lineal feet, or nearly $1\frac{3}{4}$ mile, over which the light of the 16 lamps may be distributed as desired.

The system is worthy of note as being the first known example of lighting an

extensive line of wharves by electricity.

The capital cost of the apparatus, including all but the engine, was \$6,981. The gross outlay for working from 11th June to November 22nd, equal to 22,694 hours

lighting of one lamp, was \$1,569, or 7½ cents per lamp per hour. This does not include interest or depreciation, but, on the other hand, it includes many expenses incident to the installation of a new system and to the working of an engine which is not adapted to the purpose, and which, from its construction and position, is by no means economical in fuel or attendance.

Cattle Sheds.—In order to provide suitable shelter for cattle and other live stock kept waiting for export shipment, a series of partly covered pens was built in the early part of the summer on the wide space in the rear of the wharves on Section 22. They cover an area of 66,000 square feet, giving an aggregate capacity for about 1,100 cattle, and are divided into 13 pens of different sizes holding 45 to 125 head.

Each pen is provided with a light roof covering nearly half its area, and with feeding and watering troughs, platforms for receiving animals from railway trains or discharging for shipment, &c., and the whole are built so as to allow of being erected in spring and taken down in autumn to avoid damage by ice. Cost, \$5,258.

Harbour Repairs.

The total expenditure for maintenance and repairs was this year \$17,320, and compares as follows with previous five years:—

1875	\$ 16 ,44 9
1876	35.711
1877	26,077
1878	18,974
1879	
1880	17,330

The repairs have largely consisted of the many light, works necessary to the proper maintenance of the wharves, roadways and other part of the harbour property, only the following being worthy of special note.

Sections 12 and 13.—The oldest portion of the wharf, 835 feet in length, had become sunken and decayed, was taken down to near low water level in the latter part of the summer and rebuilt to the standard level, and the roadway in rear was also

made up to corresponding height. Cost \$3,766.

Section 20, Victoria River.—The lower end and portion of the inshore side of the pier not previously repaired, was this year taken down to low water and renewed and raised to the standard level. The part thus repaired is 827 feet in length, and with the other parts treated in the same way in the last three years, completes the renewal of the whole pier above water and raising it to the height of the newer wharves. Expenditure in 1880, \$3,499.

Dredging.

The harbour dredges and two tugs were quartered at Sorel, and the remainder of the fleet at Chenail du Moine and Boucherville during the winter of 1879-80, and the whole received the usual winter repairs and outfit at the Commissioners' works. Immediately on the clearing away of the St. Lawrence ice, the dredges were brought up to Montreal and were got to work on the 26th April, and kept working without serious casualty till the 20th and 22nd November, when they were driven off by the sudden closing in of continued revere frost. The fleet consisted as usual of five spoon dredges, two clam-shell derricks for unloading scows, three tugs, thirteen flat scows and seven hopper-bottomed scows, and one floating shop for machinery repairs, details of which will be found in the appended tables.

The number of working days on duty from commencing in spring to closing in the fall, was 179 each for two of the dredges, and 180 each for the other three, equal to an aggregate of 898 days of one dredge, and an average of 179\(^2\) days for each, without deductions for stoppages. The nominal working hours are ten per day, giving an aggregate of 8,980 hours, but there were lost by stoppages and detentions of all kinds 1,351\(^1\) hours, leaving 7,628\(^1\) hours actual dredging, or 85 per cent of the

nominal time.

Dredges 2, 4 and 5 were put in dry dock during the summer for caulking and light repairs below water line, causing a loss of time of 3, 3\frac{1}{2} and 5 days respectively. Derricks 2 and 3 were hauled out on the ways at Section 40, also for caulking

and light repairs, causing a loss of time of 2 and 5 days respectively.

The tug "St. Peter" was put in dry dock and received a new propeller wheel,

and caulking and light repairs below water.

The total quantity dredged during the working season was 186,430 cubic yards, and the total cost of working the fleet-including repairs, outfit, fuel, wages, salaries, insurance, and all other outlays, except interest on capital and depreciation of plantwas \$46,914.10, giving, therefore, a general average cost of $25\frac{1}{6}$ cents per cubic yard for dredging, towing, and unloading or dumping.

About 111,217 cubic yards were unloaded ashore by clam-shell derricks for wharf building and other purposes, and the remaining 75,213 cubic yards were dumped in

the river from hopper-bottomed scows.

Compared with the five previous years, the results are as follows:—

Year.	Cost.	Cubic Yards Dredged.	Cost per Cubic Yard.
1875	\$68,979 55,462 45,103 48,748 41,006 46,914	151,719 156,082 173,449 211,731 189,609 186,430	45 cents. $35\frac{1}{2}$ " 26 " 23 " $21\frac{63}{100}$ " $25\frac{16}{100}$ "

The following are the details of the character and cost of the dredging done at different parts of the harbour:-

Sections 5 to 10.—(Windmill Point Basin)—Enlarging and deepening the basin, and cleaning bottom made in former dredging-hard pan with boulders and occasionally shale; twelve to thirty feet depth of water ahead at date of dredging; 43,266

cubic yards, costing \$16,430, or $37\frac{98}{100}$ cents per cubic yard.

Section 11.—(Windmill Point)—Clearing up bottom and removing small shoals, gravel, clay and hard pan; twenty to twenty-eight feet depth of water; 4,668 cubic

Yards, costing \$1,750, or $37\frac{49}{100}$ cents per cubic yard.

Sections 12 to 14.—(Queen's Basin)—Removing old pier, removing small shoals and cleaning up bottom clay, gravel, stones and hard pan; twenty to thirty feet depth of water; 12,735 cubic yards, costing \$4,388, or $34\frac{46}{100}$ cents per cubic yard.

Section 14.—(Elgin Basin)—Cleaning out sewerage and other deposit; twenty to twenty-eight feet of water; 2,317 cubic yards, costing \$366, or 15,78 cents per

cubic yard.

Sections 22 to 25.—Removing shoal and cleaning bottom sand, gravel and clay; twenty-two to thirty feet depth of water; 69,817 cubic yards, costing \$12,277, or 17_{100}^{59} cents per cubic yard.

Sections 38 and 39.—(Hochelaga)—Making foundation for crib-work of new wharf; clay, sand and gravel; twenty to twenty-oight feet of water; 6,153 cubic

yards, costing \$1,202, or 19,53 cents per cubic yard.

Ship Channel.—(Opposite Sections 13 to 21)—Widening and cleaning up bottom made in former years. Twenty-two to twenty-eight feet depth of water; 47,474 cubic yards, costing \$10,501, or $22\frac{12}{100}$ cents per cubic yard.

Yours respectfully,

JOHN KENNEDY, Chief Engineer. ABSTRACT of Dredging done in the Harbour of Montreal in 1880.

Places where Dredges worked.	Dredg 	es.	Quantities dredged at each place.	Dredged Total.	Remarks.
			c. yds.	c. yds.	
Sections 5 to 10, Windmill Point Basin.	Dredge N	5 6	16,998 4,252 21,431		
		7	585	43,266	Hard pan, boulders and some
Section 11, Windmill Point	Dredge N	5 6	135 1,530	:	
	1	7		4,668	Gravel, clay and hard pan.
Sections 12 to 14	Dredge N	4 5 6	1,305 9,720 270		
		7		12,735	Clay, gravel, stones and hard pan.
Section 14, Elgin Basin	Dredge N	Io. 2	2,317	2,317	Sewage and other deposit.
Section 22 to 25	Dredge N	7	. 585	·	
			<u> </u>	69,817	Sand, gravel and clay.
Sections 38 and 39	Dredge 1	lo. 4	6,153	6,153	Clay, sand and gravel.
Sections 13 to 21	Dredge 2	No. 2 4 5 7	1,080 2,835		
		•••••	1	47,474	Sand, gravel and boulders.
	Gra	nd tota	1	186,430	

ABSTRACT of Dredging done by each Dredge in the Harbour of Montreal in 1880.

Remarks.	Gravel, clay and hardpan. Clay, gravel, stones and hardpan. Sewage and other deposit. Sand, gravel and boulders Hardpan, boulders and some shale. Clay, gravel stones and hardpan. Sand, gravel and boulders. Hardpan, boulders and some shale. Gravel, clay and hardpan. Clay, gravel stones and hardpan. Sand, gravel and clay. Sand, gravel and clay. Hardpan, boulders and some shale. Gravel, clay and hardpan. Clay, gravel and clay. Hardpan, boulders and some shale. Gravel, clay and hardpan. Clay, gravel and clay Hardpan, boulders and some shale. Gravel, clay and hardpan. Sand, gravel and clay Hardpan, boulders and some shale. Gravel, clay and hardpan. Sand, gravel, stones and hardpan.	Sand, gravel and boulders.
Total Dredged.	C. yards. 44,942 25,536 26,067 23,816	56,069
Quantities dredged st each place.	C. yards. 2,418 2,418 2,317 39,667 11,305 6,153 1,080 4,252 1,35 9,730 19,125 2,835 2,835 2,835 1,530 1,530 1,530 2,835 5,835	3,892
Places at which Work was done.	Section 11, Windmill Point Sections 12 to 14 Sections 13 to 21, Ship Channel. Sections 13 to 21, Ship Channel. Sections 12 to 14 Sections 12 to 14 Sections 13 to 21, Ship Channel. Sections 13 to 21, Ship Channel. Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 22 to 25 Sections 12 to 14 Sections 13 to 21, Ship Channel. Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 12 to 14 Sections 12 to 15 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25 Sections 12 to 25	Sections 13 to 21, Ship Channel
Time of Service.	Days. 180 180 173 180 180 180 180 180 180 180 180 180 180	180
Stopped Working.	Nov. Nov. Nov. Nov. Nov. Nov. Nov. Nov.	
Commenced Work-	April 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26 do 26	
Dredges.	Dredge No. 2	

HARBOUR COMMISSIONERS' Dredging Plant employed in the Harbour of Montreal, 1880.

			: . :			:::
Depth	Dredge can work.	Feet. 32 32 32 32 32 32 32 32 32 32 32 32 32			-	
Capacity	of Bucket.	Cubic ft. 40 40 40 40 70				
	Pressure of Steam.	Lbs. 40 to 70 40 to 70 40 to 70 40 to 70 40 to 70 40 to 70	60 to 90 60 to 90 60 to 90	85 to 95 80 to 90 80 to 100		
	Length of Stroke.	Inches. 16 16 16 16 16	12	20 22 18		
Engines.	Diameter of Cylinder.	Inches. 12 14 14 14	8 7 10	16 20 16		
ā	Number of Cylinders.					
	Kind of Eagine.	Horizontal non-	Horizontal non-	$\left.\begin{array}{c} \text{Vertical} \\ \text{non-} \\ \text{condensing.} \end{array}\right $		
	When Built.	1872 1873 1874 1874	1872 1875	1875 1875 1875	1860	1875 1876 1878
: i	Depth of Hold.	Ft. in. 6 3 6 6 7 6	က က က တ ထ ထ	888	9 1	7. 6.0 0.0 0.0
Hull.	Breadth of Beam.	Ft. in. 26 6 27 0 27 0 27 0 27 0 27 0	23 24 0	15 0 16 6 15 0	21 5	16 0 18 0 20 0 20 0
	Length over all.	Ft. in. 77 0 77 3 77 6 77 0 77 3	56 8 57 0 61 9	67 0 71 6 65 6	103 4	80 0 70 0 75 0 75 0
	Description of Vessel.	Dredges. Spoon Dredge No. 2. One do	Derricks. Clam-shell Derrick No. 1	St. LouisSt. PeterSt. Paul.	Large, Staghound (floating shop)	Scere. 7 dumping scows

HARBOUR COMMISSIONERS OF MONTREAL,
SUPERINTENDENT OF PILOTS' OFFICE,
MONTREAL, 4th January, 1881.

H. D. Whitney, Esq., Secretary Harbor Commissioners, Montreal.

SIR,—I beg to submit, for the information of the Harbour Commissioners, a report of what has been done for the maintenance of buoys during the season of navigation of 1880.

The tug "John Pratt" was employed in this work seventy-four days, reckoning from the 16th April, the date she left Montreal in the spring. After having spent several days in Sorel in preparing the buoys, I commenced to place them on the 24th. From then to the 1st of May, three trips had to be made to Sorel to procure buoys. On the first trip thirteen were taken, on the second, fifty, and on the third, thirty-five; making a total of ninety-eight buoys that were put down. Besides these, several extra buoys were taken to replace those which were too old or had been damaged by the ice, and a'so some that were lost. As has already been mentioned in my first report, dated 19th May, thirty-three buoys were left in place for the winter, only eleven were found to be carried away in the spring, and they were subsequently recovered during the summer, and also six iron buoys with their chains and anchors. As it constantly happens that the buoys are displaced or lose their vertical position. which it is impossible to prevent, close attention is required to keep them in good order so that they may be as conspicuous as possible; it would be well, also, if the pilots were more particular in reporting any derangment of the buoys to prevent accidents. As the water lowers and the bad weather of autumn approaches frequent Inspections are required in order to put down buoys at different places for the greater safety of navigation.

It is with pleasure that I state that the "John Pratt" has been at my entire disposal this year, and that I have had all the liberty desirable for these visits, and I was, therefore, able to keep the buoys in much better order than heretofore, and to avoid the complaints which were made during the previous year. Unhappily, in spite of the utmost vigilance, it was impossible to keep them always in good order, but still a great improvement has been made. Tugs and rafts should be compelled to take at certain places different channels from those of the deep draft vessels, and which have been marked out for them by special buoys; as it is, they do the most damage, carrying away this season no less than fifteen buoys and five barrels.

The extremely cold weather of this year, which has been so disastrous to navigation, has also caused much loss in my Department, and I regret to have to report that it was impossible to save a single buoy, except those of the harbour, seven in number. The most of them were lost with their chains and anchors.

The following is a table showing the number of buoys that were used and where they were placed:—

	Wooden Buoys.	Iron Buoys.	Barrels.	
Montreal to Sorel	43		18	
Isle Plattes	48	17 3		
Champlain	5	1		
Cap Levrard to Richelieu Rapids Cap la Roche	i 20	1	,	
In all	132	22	18	172

Notwithstanding this loss, I think there will be enough buoys for next season, what with those in the shippard and those that may be found; there are also six iron buoys on hand.

The Chief Engineer has been furnished with a statement of the quantity of chain and number of anchors and weights that will be required for the work in the coming

spring.

The following is a list of the beacons on the river and the channels which they indicate:—

Places where Beacons are placed.	No.	Channel indicated.
Grondine Point	2 1 2 6 2 2	Cap la Roche new Channel. Levrard. Champlain. Bécancour Bend. Bécancour Traverse. Contrecœur Channel. Pointe Marie. Opposite Varennes Village. Opposite Cap St. Michel.

I have the honor to be, Sir,

Your most obedient Servant,

JOS. LEVEILLE,

Superintendent of Pilots.

APPENDIX No. 8.

REPORT OF THE QUEBEC HARBOUR COMMISSIONERS FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Quebec, 12th January, 1881.

To the Honorable J. C. Pope, Minister of Marine and Fisheries, Ottawa.

Sir,—In accordance with the provisions of section 14 of the 38th Victoria, chap. 55, I have the honor to report as follows on the doings of the Quebec Harbour Commissioners for the year 1880:—

The enclosed report from the Resident Engineer, Mr. Woodford Pilkington, M.I.C.E., will convey to you all the information having reference to the progress of the works, both of the harbour improvements and the graving dock, during the year just ended.

The contractors for the harbour improvements have not been able to fulfil their

engagement to complete their contract for the 2nd October.

They have applied for an extension of time, in order to avoid paying the fine stipulated.

Their application is still under consideration. Meanwhile, they have been duly

protested.

Mr. Morris, of the firm Kinipple & Morris, chief engineers to the harbour and graving dock works, has made his visit of inspection in the month of August.

He has reported that he found that the first-class character of the works had been maintained, although in both cases he has drawn the attention of the contractors to the slow progress that was being made with their works.

You are aware that the present contract for the harbour improvements, when completed, will not be the completion of the scheme of the wet dock and tidal basin,

as originally contemplated.

The completion of the scheme will necessitate, according to the Engineer's estimate, a further expenditure of forty-three thousand pounds sterling or two hundred and fifty thousand dollars (\$250,000). The expenditure represents the construction of a cross wall to connect Dalhousie Street with the main works.

Last year the Commissioners applied by petition to be allowed to borrow from the Government the said sum of two hundred and fifty thousand dollars (\$250,000), to enable them to complete their scheme of improvements. Amongst the many reasons set forth to induce the Government to comply with their request, the strongest, in their opinion, is that, if the Cross Wall is not constructed, the largest portion of the present improvements, that is to say, all the quay extending west to the tidal basin, comprising a length of over two thousand feet, will be useless for Vessels drawing more than eight or nine feet.

Lifting Barge.

The barge left her winter quarters on the 10th May, but, on account of some important repairs and changes made to her machinery, she was unable to resume her work before the 21st of the same month.

The services of the former master, Captain Claude Giguère, having been secured, the barge was immediately placed under his command, the crew being composed as 209

follows: the master, two mates, a chief engineer with an assistant, a diver, a cook, and nine sailors. Two more sailors were subsequently required and added to the crew.

The work of clearing the obstructions caused by the boulders inside the fly-bank, already commenced the two previous years, has been continued with great success during the whole season, with the exception of four instances, when the services of the Barge were specially required. Three hundred and seventy-five boulders have been secured of the following average weights:—

1	weighing	about	50	tons,	
1	"	"	30	"	
1	"	"	20	"	
1	"	44	15	"	
1	"	"	12		
1	"	"	10	"	
5	"	"	5	"	
91	"	"	4	"	
150	"	"	3	"	and
123	"	44	2	44	

The owner of Wolfe's Cove, Mr. John Roche, has been kind enough to allow the largest boulders to be landed and blasted at his cove. The debris of same, as well as the other boulders, have been dumped in the deep water channel opposite St. Joseph de Lévis.

By adding the 139 boulders previously raised it gives a total of 514 boulders raised inside the fly-bank since the work of clearing the obstructions of this portion

of the harbour has been commenced.

Fifty pieces of copper belonging to the outsides of ships' bottoms, and a certain quantity of lead, have also been found scattered around the boulders. After a careful examination of their size by competent judges, it was clearly established that each of them represented a very serious damage to the ship that had touched.

In my report for the year 1878, I state that a vessel belonging to the Allan line, which had touched one of the boulders raised that year, had sustained damages to the amount of eight thousand dollars. It is, in presence of such an evidence, very easily to infer that a very large amount of damage to shipping is represented by the

above mentioned copper.

In the month of August, obstructions having been reported in existence round the Pointe-à-Carcy Wharf, the Commissioners taking advantage of the presence of the barge at that end of the harbour, for dumping boulders and taking coals, caused a survey to be made of all the surroundings of the wharf. The result of the survey was that, at the end one of the lower fenders was found started with 30 fathoms of chain entangled in it. At the two sides, north and south, one block of Ohio stone, one flat-iron knee, 30 fathoms of chain and one piece of oak 40 feet long have also been found. The whole was safely raised and landed.

The block of stone was subsequently surrendered to the Hon. Thomas McGreevy,

M.P., upon proof that he was owner of the same.

It has always been the custom to allow the lifting barge to go to the assistance of ships whose anchors were lost or entangled, it being understood that the expenses be borne by the owner of the vessel applying for assistance.

During the season the services of the barge have been required three times.

The first, by the Agent of the steamship "Texas," for a lost anchor which was

The second, by the master of the barque "Ronochan," for the purpose of raising and disentangling the anchors of his vessel, which, during a gale on the lower ballast ground, had become entangled with those of the ship "Red Jacket." The nest that had been formed, consisting of 3 anchors and 135 fathoms chain, was, after two days work, safely secured and disentangled.

The third and last, by the master of the ship "Zambesi," for two lost anchors. Owing to the fact that not a single length of chain was attached to either of them,

they could not be found.

When last year the Commissioners applied for an allowance of ten thousand dollars (\$10,000) they stated that it was to enable them to complete the work of clearing the harbour. They were under the impression that the work could really be com-Pleted during last season; but, owing to the large quantity of boulders found, far more larger than anticipated, it has been impossible to complete the work. Now that this so important and so much needed improvement has been undertaken at the special request of all those interested in the shipping trade, it is considered as a necessity to complete it, and the Commissioners do, therefore, most respectfully request the Government will allow them a further sum of ten thousand dollars (\$10,000) to enable them, this time, to complete the work of clearing the harbour.

As you are aware, all the anchors and chains raised by the lifting barge, remaining on hand in 1879, have been sold in conformity with the instructions received from your Department. One anchor has been reserved for the purpose of keeping it as a souvenir of the so successful operations of the barge. It is the intention of the Commissioners to place that anchor in the centre of the piece of ground in rear of the Custom House, which is now being converted into an Open Exchange.

The anchor so reserved is the largest raised and is described in my report for the

Year 1878.

The annexed comparative statement contains the usual particulars furnished to your Department, 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.

In conclusion, I am most happy to state that the Master of the barge, Captain Giguère, has, in the execution of his duties, continued to give the same satisfaction

as formerly.

Ballast.

It is gratifying to be able to state that the By-Law of 1877, regulating the discharging of ballast, has continued to work as satisfactorily as during the previous years it has been in force.

Under the authority of this By-Law, forty-two ballast ships have been sent during the season to the breakwater, where they have discharged their ballast amount-

ing to 16,850 tons.

Since the By-Law is in operation, 62,483 tons of ballast, representing the ballast

of 163 vessels, have been dumped into the breakwater.

It is expected that the ballasting of this wharf will be completed about August

The filling up of Pointe-à-Carcy Wharf has made a fair progress during the year, though less in proportion to the previous year, only 1,834 tons of filling material

having been secured. This is entirely due to the difficulty of obtaining the material. The traffic on this wharf has increased to such an extent since the running on it of the Q.M.O. & O. Railway, that the Commissioners are more than ever satisfied that its filling up should be pushed forward as fast as the material could be obtained The expenditure connected with the ballast of the breakwater and of the Pointe.

à-Carcy Wharf has been as follows:-

366 80 Pointe-à-Carey....

Repairs to Property.

This branch of the service has not been neglected, and a sum of four thousand five hundred and fifty-six dollars and twenty-eight cents (\$4,556.28) has been affected to the various repairs that were considered the most urgent.

The estimate given in the last report for completing Reynar's wharf has been far exceeded in consequence of the enlargement of its planking and of the addition of a boom for the protection of vessels using it. Instead of two hundred dollars an amount of eleven hundred and fifty-five dollars and fifty-five cents (\$1,155.55) has been required to complete this wharf. It is now in a perfect condition, and is considered as one of the best wharves that exist here for storing coals.

Nothing in the shape of repairs has been done to Marmette's wharf. Its face is fast decaying and it will be necessary to renew it before long; it is now even the intention of the Commissioners to have it repaired, if possible, during next summer.

The south face of Atkinson's wharf has been renewed at a cost of fourteen hundred and fifty six dollars and six-five cents (\$1,456.65). The end of the wharf will have to be repaired early next spring. The timber to perform this work is already on hand.

Only a small amount, \$136.69, has been spent on Wellington Wharf, a part of which was to meet the expenditure connected with the filling up of the lot that was left vacant on account of the demolition of the store known as "Zinc Store," which in the month of April gave way when a gang of men were in the act of raising it with jackscrews, for the purpose of renewing its foundations.

The high tides of May having flooded the main portion of the new wharf occupied by the Grand Trunk Railway Company, it has been necessary to raise that part of this property in order to protect the goods that are constantly stored in the large shed thereon erected. A sum of three hundred and seventy-six dollars and seven cents has been expended to perform this work.

Seventeen hundred and sixty-three (1,763) tops of filling material have moreover been required to complete the filling up of the rear of this large property. This last mentioned portion of the premises, which is used by the carters carrying the freight coming from and going to the railway, will have to be macadamized.

A sum of three hundred and forty-six dollars and forty-nine cents (\$346.49) has been spent on East India wharf for repairs. Out of this amount, two hundred and three dollars (\$203) have been applied to the Store No. 6, known as Salt Store, which has been newly shingled.

In the portion of this report under the heading of "Lifting Barge," I mention obstructions that had been reported in existence around Pointe-à-Carcy wharf, and I state what the barge has done in connection with same.

The work was afterwards continued with a large scow hired for that purpose. The whole surroundings of the wharf together with the entrance in the new Harbor works have been carefully surveyed with the aid of a diver, and all the obstructions discovered have been removed. The expenditure connected with this work has reached the sum of one thousand and twenty dollars (\$1,020).

No repair, worth mentioning has been done to the breakwater during the year, the expenditure under that heading having only attained sixty-five dollars (\$65). As soon as the ballasting of this important portion of the property of the Commission will have been completed, it is the intention of the Commissioners to have the whole thoroughly levelled and repaired. They have not been able to put into execution their project of repairing the northern end of the breakwater called L, as stated in the last report.

Dredging of the Channel inside the Fly Bank.

The dredging of the channel inside the Fly Bank has not made the desired progress although it has fairly advanced. It was expected that the work would be completed in July or August, which has not been the case. At the rate this work has been progressing it is not probable that the channel will be utilized before the end of August next. The quantity of material dredged during the year is represented by 6,580 cubic yards, which, added to the 2,593 cubic yards dredged the previous year, gives a total of 9,173 cubic yards.

Open Exchange.

The filling up of the piece of ground in rear of the Custom House, which is to be converted into an open exchange, is fast approaching to completion in consequence of

an agreement entered into with the contractor for the dredging of the channel inside Fly Bank. He has undertaken to dump into that spot, at the rate of fifteen cents per ton of 2,000 lbs., all the material dredged by him. Six thousand tons have already · been delivered under the arrangement.

Coasting and Foreign Trade.

The following is a statement of the Coasting Trade for the season of navigation:

Cargoes by	schooners	1,166
ä	batteaux	
"	barges.	
"	steamboats	

Forming an aggregate tonnage of 311,601 tons, being an increase of 25,247 tons

the previous year.

Thirty-nine thousand three hundred and fifty-two passengers have been landed. during the season by the vessels engaged in the coasting trade, being a decrease of 6,272 passengers on the arrivals of 1879. The decrease is certainly due to the facilities of travelling by railways.

The annexed comparative statement No. 1, (A & B) prepared by Mr. Belleau, one of the Custom's officers, will convey to you the usual information having reference to the Foreign Trade of this port for this year as compared with the previous years therein mentioned.

Annex No. 2, prepared by the Chief Clerk, contains a statement of the various inward entries made by the coasting vessels for the season of 1880.

Annex No. 3, 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 4, 5, 6, 7, 8 and 9, contain the information of the same nature that has been previously conveyed to Your Department.

Revenue.

The following is a comparative statement of the Commission's Revenue for the two last years.

	187 9		1880		Dif	ferei	nce in 1880.
	 \$	cts.	\$	cts.	\$	cts.	
Tonnage Dues	25,631	33	33,424	36	7,793	03	Increase.
	2,549	37	3,953	79	1,404	42	do
Abort do	5,969	84	10,642	00	4,672	16	do
18thour do	3,397	42	4,243	61	846	19	do
Toperty Revenue	21,867	19	19,535	85	2,332	14	Decrease.
	2,654	37	1,626	99	1,027	38	do
	2,175	37	2,175				
dudiled	136	17		10	517	93	Increase.
Anchors and Chains	339	59	449	00	109	41	do
Total	64,721	45	76,705	07	11,983	62	do

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

> A. H. VERRET, Secretary-Treasurer.

Quebec, 12th January, 1881.

To A. H. Vernet, Esq., Secretary-Treasurer, Harbour Commission, Quebec.

Sir,—In compliance with your request, I have the honour to report as follows on the progress of the works under my charge for the year 1880.

Harbour Improvements, River St. Charles.

A continuation of the harbour improvement work was only resumed on the 15th of May of this year, notwithstanding that the contractors' entire plant had been wintered under the protection of the works in progress, an advantage not available in 1878.

Nearly the whole of the temporary protection thrown up had been carried away by the high flood tides at the close of the severe winter season then past, doing some

slight damage at the end of the unfinished masonry.

During this time the permanent works maintained their form throughout, proved by the fact that the levels recorded last year on the coping then laid, and also on the thirteenth course at the end of the masonry showed no appreciable change by instrumental observation.

The progress made with the masonry was, during this season, more rapid and satisfactory—the Tidal Harbour Quay wall having been completed to coping level

by the 1st of July, for a length of 1,200 feet.

A space having been reserved in the centre of this length for the "Tablet Stone," which was duly laid by Her Royal Highness the Princess Louise, in commemoration of her gracious consent to the embankment and docks being styled "The Princess Louise Embankment and Docks."

From this date, the 29th of July, the masonry has been completed to coping level for a length of 1,200 feet on the quay wall of the proposed Wet Dock, and has

been backed up for an average width of 30 feet.

The piling and sinking of the caissons forming the sub-structure of this wall has been completed, including the concrete filling of the contract end of this work, not a single obstruction to the driving of the piles having occurred by boulders throughout

the entire length of 2,230 feet.

The dredging of the 10 foot channel of the upper reach or wet dock portion of the work, and the 24 foot channel of the tidal basin, preliminary works included in this contract, have been completed for final finishing up; and the dredging of the tidal basin, as included in the supplementary particulars of the second or supplementary tender included in this contract, in all 250,000 cubic yards, have been excavated less a balance of 75,000 cubic yards. This, with the material already carried into the works, will be sufficient to complete the banking in of the northern cribwork and quay walls for an average width of 30 feet in each instance.

Supplementing this brief summary of progress with a statement of what is yet to be done, it will be sufficient to state that this initial work and contract, will, in all probability, be brought to a successful conclusion by the end of the present fiscal

year,—that is, June 30th, 1881.

Profiting by the experience of the winter season of 1879-80, the raking end of the unfinished masonry has this season been left wholly unencumbered, and exposed to the full action of the frost and ice. With the known strength of the materials employed the result is looked forward to as a crucial one with the utmost confidence.

It may be well to mention that the adoption of masonry for the upper portion of the quay walls, was an alternative method, but an afterthought so far as the original designs were concerned. These shewed a front or casing of timber with concrete filling from foundation to coping, the lower crib-work, caissons of the main work, ending as now at a level of four feet above average low water mark spring tides.

This was obviously the best point for the "afterthought masonry" to commence.

Low water in the St. Lawrence during the spring of the year at Quebec, from sundry causes, freshets, wind and ice, being from two to three feet higher than it is in July and August, a masonry superstructure, therefore, at a lower level than that selected, could hardly have been attempted without the aid of a coffer-dam, or without time and cost, the objects primarily in view, being set aside.

Practically in fresh water, with the known fact that timber in such a position is almost imperishable, an improved appearance of the wall in elevation at dead low water, a time at which the work is only exceptionably seen, would have formed the

sum total of the benefit thus derived.

The final completion and equipment of these works is a consummation in the interest of the Port of Quebec devoutly to be wished; one of the necessary useful results, by their inception and progress, being now apparent in the protection already given to a large number of sailing craft and steamers of various tonnage, which were unable, owing to the sudden setting in of the present winter season, to obtain shelter as usual elsewhere.

During the last season protection was offered to only two schooners and some floating stages. This season more that twelve vessels and steamers, together with the floating pontoons and depot of the Grand Trunk Railway are safely wintered.

According to contract this section of the works, as originally initiated, was to have been completed by the 1st of October, 1882, but the contractors have asked for

extension of time, which is now under consideration.

The work so far executed has therefore fallen short of the complement expected by 1,100 feet of the superstructure of the wet dock quay wall, the 425 feet of pitched inside slope of the shore junctions at the Gas Works wharf, together with 75,000 Yards of the supplementary dredging in the Tidal Basin, and the complete banking in and finishing of the northern cribwork and wet dock quay wall.

If, however, the maximum result anticipated has not been attained, what has already been done, leaves no ground for apprehension but that the future returns on the completed works will be a great public benefit, recompensating all the trouble and anxiety that has been lavished upon them, and returning in their ultimate value,

as real estate, the cost of construction.

Graving Dock Works, St. Joseph de Lévis.

The Graving Dock has also been subject in its measure to retardation as to progress, owing to the tides in the spring and early summer not falling within some or 3 feet of low water mark ordinary spring tides.

The commencement of the masonry of the entrance works was thus delayed for a considerable time, and it was not until Monday, the 17th of June, when His Excellency the Governor General the Marquis of Lorne graciously laid the first stone of the Wing Wall, that the water became low enough to bed the masonry of the superstructure.

Since then, however, at times encountering considerable difficulty from the force of wind and water in such an exposed position in a tide way, the work has slowly

but steadily proceeded.

Both the Wing Walls east and west have now been brought to coping level and

the bollards fixed in position.

The retaining wall between the Government property and Mr. James Patton's mills on the east has also been brought to coping level and the cofferdam finished according to plans and specifications.

The excavations of the upper half sections of the dock pit, out of which 30,000 cubic yards have been removed, is the only other work at present proceeding on the

The whole of the stone comprised in the inner masonry of the dock proper has now been cut, and the greater part delivered on the site of the works from the quarries of St. Vincent de Paul.

The work still to be done includes the balance of the excavation, masonry and concreting of the dock proper, together with the engine-house, pump, wells and culverts of the builder's contract.

The travelling caiseon for closing the dock, with the hauling gear, has arrived from England, and has been placed under shedding for storage during the winter months. This will require to be put together in the finished portions of the dock

floor available for this purpose next year at the cost of the Commissioners.

The pumping machinery, the first sections of which, viz.: the auxilliary engine and drainage pumps are now provisionally complete, has been let by contract to Messrs. Carrier, Lainé & Co., of Point Lévis, comprising further the main engines, gearing and main pumps, sluices, &c., the whole of which, subject to test, has to be

completely furnished and fixed in works,

The character of this work is exceptional, it being the first of the kind in the Dominion of Canada—and the difficulties connected with, and, indeed, inseparable from it—particularly with the cut-walls and entrance must be met and overcome by that fearless struggle which must always ensue when the requirements of men are in conflict with the forces of nature.

I have the honour to be, Sir,

Your obedient servant,
WOODFORTH PILKINGTON, M.I.C.E.,

Resident Engineer.

COMPARATIVE STATEMENT entered Inwards and whence they came an they belonged.	EMENT Is and time at	r of the Outwards id for whi	of the Number dutwards, for the for which they	r and e Year r clear	and Tonnage Yoars ending cleared, wheth	of Sai on the her with	of the Number and Tonnage of Sailing Vessels and Steamers, with the Number of Men employed, Outwards, for the Years ending on the 31st December, 1879 and 1880; showing the Countries from d for which they cleared, whether with Cargo or in Ballast; also, distinguishing the Countries to which	amers 9 and also, o	, with the 1880; s listinguis	Numb howing hing th	er of l the (e Cou	Steamers, with the Number of Men employed, 1879 and 1880; showing the Countries from st; also, distinguishing the Countries to which	loyed, from which
	Ret	Return of Vessels Inwards for the Years ending 31st December, 1879 and 1880.	f Vessels Inwards for the Year 31st December, 1879 and 1880.	ds for t 1879 ar	he Years e. 1d 1880.	ading		Retu	n of Vesse 31st D	Vessels Outwards for the Yes 31st December, 1879 and 1880	rds for 1879 a	Return of Vessels Outwards for the Years ending 31st December, 1879 and 1880.	nding
		1879.			1880.				1879.			1880.	
	Vessels.	.suoT	Жев.	Vessels	.suoT	Men.		Vessels.	.enoT	Меп.	Vessels.	.enoT	Жеп.
Total Vessels arrived	628	816,119	15,843	849	861,501	21,101	Total Vessels cleared	640	589,493	15,003	842	808,683	19,085
Vessels with cargoes	314	372,519 239,399	10,916 4,926	424	505,105 356,396	14,048 7,053	Vessels with cargoes	640	589,493	15,003	841	807,418	19,061
Total	628	611,918	15,842	849	861,501	21,101	Total	640	589,493	15,003	842	808,683	19,085
Number of Steamers	130	221.158 390,760	7,747	151 698	239,872 621,629	9,469	Number of Steamers do Sailing Vessels	104 536	184,243 405,250	6,566	109 733	210 909 597,774	7,196 11,889
Total	628	611,918	15,842	618	861,501	21,101	Total	640	589,493	15,003	812	808,683	19.085
British VesselsForeign do	419	474,941 136,977	12,869 2,973	592 257	686,677 174,824	17,367 3,734	British VesselsForeign do	436 204	457,784 131,709	12,105 2,898	595 247	643,03 5 165,648	15,542 3,543
Total	628	611,918	15,842	849	861,501	21,101	Total	640	589,493	15,003	842	808,683	19,085
Under what Flag.							Under what Flag.					-	
British United States French German Empire.	419	474.941 3,006 424 2,786	12,869 47 15 60	592 5 8 16	686,677 7,027 2,811 7,130	17,367 107 92 190	British	436 1 1 5	457,784 2,055 404 2,672	12,105 33 15 63	£95 3 ∞ ± ±	643,035 3 333 3,290 6,134	15,542 53 93 160
Spanish Portuguese	198	128,764	2,868	2 220	1,028 1,028 152,443	13 25 3,2.8	Spanish 1 Portuguese 1 Belgian	7		. 12	7 7 7	1,028	25

3,083 16 66 14 14	19,085	18,122 2233 223 223 24 367 112 112 12 12 84 84	19,085
146,081 836 3,091 726 318	808,683	775,857 4,190 6,350 13,897 4,262 5,182 3,085 2,721 2,721 2,68	808,083
212 1 3 1	843	742 333 331 101 102 102 1031 1031 1031 103	843
2,709 11 18 37	15,003	14,180 244 67 67 113 98 136 120 9 9 41 30	15,003
122,969 470 927 1,808	589,493	562,000 4,441 973 181 5,181 460 1,601 2,607 2,207 2,207 2,308 1,935 1,935	.c.
191 1 1 2	640	248 256 44 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	640 erg, et
Norvegian and Swedish. Russian	Total	For what Country. United Kingdom Newfoundland St. Pierre et Miquelon. United States. British West Indies. France. France. Portugal Bolgium Hoiland Gibraltat South America. Africa. Australia. Pern. Alsie of Man.	m ire are included vessels of Prussia, Hamburg, Bremen, Mecklenberg, etc.
14 36 16 13	21,101	18,440 101 38 253 129 13 499 250 63 152 152 152 152 152 153 163 163 163 163 163 163 163 163 163 16	ussia, Ha
1,854 1,854 836 473	861,501	735,229 1,731 990 13,163 6,384 496 24,147 12,966 7,764 8,165 7,764 8,165 7,300 7,300 7,300 7,300 7,300 7,300 7,300 7,300 7,300 1,300	ssels of Pri
1 1 1 2 1	849	411 411 521 521 521 521 521 521 521 521 521 5	ded ver
18 25	15,842	13,557 - 19 - 19 132 430 165 112 112 102 102 103 103 103 103 103 103 103 103	15,842 are inclu
927 1,070	611,918	509,178 1,211 68 1,1187 3,472 3,472 5,297 63 63 63 8,103 8,405 5,566 3,876 3,876 3,876 1,143 3,133 3,876 3,666 2,277 1,143 3,260 2,006	611,918 n Em ire
2	628	20117 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Germa Germa
Italian	Total	Whence Arrived. United Kingdom. Newfoundland. St. Pierre et Miquelon United States British West Indies Spanish do France. Spanish do France. Spanish and Sweden Portugal Portugal Portugal Relgium Holland Germany and Sweden South America Gotherlite Gibraltar Greece Teneriffe	Total 628 6

DOMINION IMPORTS AT QUEBEC.

Report of Principle Entries Inwards, by Vessels from all parts of the Dominion, at this Port, for the Season ending 30th November, 1880.

Steamers					-			
Schooners		November.	Previously Reported.	Total.		November.	Previously Reported.	Total.
Schooners					Whomas G.			
Batteaux	Schooners		1 050					050
Sateges	Batteaux			1,166	Cod Oil galls.			43,050 4,898
Tonnage	Barges		531	576	do brls.		193	193
Passengers					Dry Fish cwt.	232,679		2,587,40± 1,298
Apples	Crews.	1,521	14,514	16,035	Eggs doz.	7,115	65,091	72,200
Apples	Passengers	2,172	37,180	39,353	Flour brls.	17,793		120,981
Apples brls brls de ambient de la lagrant de		1			Feathers			4,949
Ale and Porter '190 2,023 2,813 Fowls 6,661 6,742 13,404 do hads	IMPORTS.		·		Furniture pcs.		280	296
Ale and Porter	Apples brls.	3,404	18,705	22,109	do cases	132		3,560
Almonds & Nuts. bags 56	Ale and Porter "	190	2,623	2,813	Fowls		6,742	13,403
Agricultural laber plements	do taleds.				Gin brls.	911		45
Pelments		ا "ا	010	311		311		1.
Biscuits	plementspkgs.				Greenfish	3,806		
Brandy			6.685			617		12.322
do qt-casks 14 14 16 Glass	_ do brls.		6	6				222
Boots and Shees. cases		1 1	1,790	1,852	do cases.			447
Blacking						617		
Beef	Boots and Shees cases.		989	1,035	Hides pkgs.	2,900	48,995	51,895
Barley	DIMORINE		• 8,426 625	9,346	Horses halas			656
Brooms	Barley bush.	902						165
Butter								
December Cooks C			78,009				4,300 229 864	250 86 3
Baking Powder	_ do kegs.		1,057	1,057	Herrings brls.	2,215	3,195	5,410
Bricks					Iron pkgs.	8,830		79,126
Bark	Bricks M.				Lard kegs.	2,081		18.370
Beans bush 30 582 612 Maccaroni boxes 781 13,221 14,000 Blueberries boxes 20,620 20,620 20,620 Matches "16 875 89 Cigars cases 8 347 355 Mineral Water brls 6 143 144 Cheese boxes 110 3,536 3,646' Marble pkgs 32 571 60 Coals tons 774 5,790 6,564 Marble pkgs 32 571 60 Crockery brls 6 82 88 do brls 1 109 11 Cockery brls 6 82 88 do brls 18 8,879 9,17 do qr-casks 6 82 88 do brls 11,190 1,190 1,190 do cases 22 26 344 Oats bush </td <td></td> <td></td> <td></td> <td>666,046</td> <td>Linseed bush.</td> <td>1,265</td> <td>443</td> <td>1,700</td>				666,046	Linseed bush.	1,265	443	1,700
Cigars Cases S Cigars Cases S Cigars Cases S Cigars Cases S Cigars Cases S Cigars Cases S Cigars Cases Cigars Cases Cigars Cases Cigars Cases Cigars Cases Cigars			582	612	Molasses puns.			14.002
Cheese boxes 110 3,536 3,646 Marble pkgs 32 571 60 Coals tons 774 5,790 6,564 Marble pkgs 32 571 60 Crockery brls brls 6 82 88 Mackerel brls 1 109 110 do qr-casks 6 82 88 do brls 16 16 do hhds 130 130 130 do cases 1,190 1,190 Coffee brls 18 326 344 Oats bush 13,964 64,206 78,17 do bags 46 1,791 1,837 Old iron cwt 45 384 42 Cartle bush 12,063 100,498 12,158 Perch Perch Epickets 5,387 5,387 Candage bales 255 4,985 5,240 Potatoes	Blueberriesboxes.		20,620	20,620	Matches "		875	891
Coals tons. 774 5,790 6,564 Mackerel bris. 1 109 116 Crockery bris. 52 53 60 bris. 100 60								
Crockery brls. 52 52 52 Nails and Spikes. kegs. 193 8,879 9,17 do	Coals tons.		5,790	6,564	Mackerel brls.			110
do hhds. 130 130 do cases. 1,190 1,190 do cases. 26 26 26 Oakum bales. 221 5,564 5,78 Coffee brls. 18 326 344 Oats bush. 13,964 64,206 78,17 do bags. 46 1,791 1,837 Old iron cwt. 45 384 42 Cattle 356 2,250 2,606 Pork brls. 290 3,154 3,44 Corn bush. 21,063 100,498 121,561 Peas bush. 1,611 24,680 26,29 Cordage bales. 221 1,467 1,588 Perch & Pickets 5,387 5,387 5,387 5,387 5,387 5,387 6,040 30,228 36,27 Carpets bales. 23 416 433 Raisins boxes. 1307 16,341 16,64 Champagne	Crockery brls.		52	52	Nails and Spikes. kegs.		8,879	9,172
do cases. 26 26 Oakum bales. 221 5,564 5,78 Coffee brls. 18 326 344 Oats bush. 13,964 64,206 78,17 do bags. 46 1,791 1,837 Old iron. cwt. 45 384 422 Cattle 356 2,250 2,666 Pork. brls. 290 3,154 3,44 Corn. bush. 21,063 100,498 121,561 Peas. bush. 1,611 24,680 26,29 Cordage. bales. 221 1,467 1,588 Perch & Pickets. 5,387 5,387 5,38 Canda Plates. cases. 255 4,985 5,240 Potatoes. bush. 6,040 30,228 36,27 Carpets. bales. 23 416 433 Rasins. boxes. 1307 16,341 16,64 Champagne. " 19 970 989		1 1				•••••		
Coffee brls. 18 326 344 Oats bush. 13,964 64,206 78,17 do bags. 46 1,791 1,837 Old iron cwt 45 384 42 Cattle 356 2,250 2,606 Pork brls. 290 3,154 3,44 Corn bush. 21,063 100,498 121,561 Peas bush. 1,611 24,680 26,29 Candae Plates cases. 255 4,985 5,240 Portatoes bush. 6,040 30,228 36,27 Carpets bales. 23 416 433 Raisins boxes. 1,307 16,341 16,64 Champagne " 19 970 989 Rice bags. 217 2,459 2,67 Currants boxes. 18 585 603 Rosin brls. 265 1,018 1,27 Clocks " 13 332	do cases.		26				5,564	5,785
Cattle	Coffee brls.					13,964	64,206	78,170
Corn bush 21,063 100,498 121,561 Peas bush 1,611 24,680 26,29 Cordage bales 121 1,467 1,588 Perch & Pickets 5,387 5,387 5,387 5,387 5,387 5,387 5,387 5,387 5,387 6,040 30,228 36,27 6,041 30,228 36,27 36,27 6,041 16,341 16,644 16,644 6,040 30,228 36,27 16,341 16,644 16,644 6,040 30,228 36,27 16,341 16,644 16,644 16,341 16,644 16,644 16,644 16,644 12,459 2,67<	Cattle							3,444
Canada Plates cases. 255 4,985 5,240 Potatoes		21,063	100,498	121,561	Peas bush.		24,680	26.291
Carpets bales 23 416 433' Raisins boxes 1307 16,341 16,64 Champagne " 19 970 989 Rice bags 217 2,459 2,659 Currants boxes 14 192 206 Rakes pkgs 1,938 1,938 Candles boxes 18 585' 603 Rosin brls 265 1,018 Clocks " 13 332 315 Refrigerators 8 118 12 Confectionery boxes 195 2,568 2,763 Sugar brls 228 6,379 6,60						6 040	5,387	36,272
Champagne	Carpets bales.			433	Raisins boxes.	307	16,341	16.648
Candles	Currents below					217	2.459	2.676
Clocks " 13 332 345 Refrigerators 8 118 12 Confectionery 195 2,568 2,763 Sugar brls 228 6,379 6,60	Candlegboxes.			603	Rosin brls.		1,938	1,273
	Clocks "	13	332	345	Refrigerators	8	118	126
WO NAME DV DOI THE DUMBER COME (COME DISCO.) III DIE	Donfectioneryboxes.							
220	, DIID:	1 301	2011			, 11	, 551	,

DOMINION IMPORTS AT QUEBEC-Concluded.

Report of Principle Entries Inwards, by Vessels from all parts of the Dominion, at this Port, for the Season ending 30th November, 1880.

	November.	Previously Reported.	Total.		November.	Previously Reported,	Total.
IMPORTS-Con.				IMPORTS-Con.			
Shingles M. Sewing Machines.crates Starch boxes. Starch cases. Soap " do cases. Spices boxes. Steel pkgs. Seeds bags. Seal Oil galls. Shovels & Spades pkgs. Soda, Carbonate bris. Scales cases. Scythe handles pkgs. Stationery cses. Salmon bris.	431 934 483 481 2,286 33 20 30	2,117 1,007 12,025 18,501 29 6,429 9,499 9,302 60,487 1,432 415 301 913 478 587	1,124 12,456 19,435 29 6,862 9,980 11,588 60,487 1,565 435 435 431 913	do	1,062 526 145 453 8 117 133 30	8,067 324 1,554 1,193 1,269 330 41 353	5,235 2,043 12,915 2,102 620 16 8,520 332 1,673 1,402 360 41 369 43,669

JAMES WOODS, Chief Clerk.

HARBOUR COMMISSIONERS OFFICE, QUEBEC, 3rd December, 1880.

LIGHTERED CARGOES—INWARDS.

ALLAN LINE.

T	ate.	Name of Steamer.	Number of Tons.	Amount.
1	880.			\$ cts.
May	1	Prussian	31	3 10
дo	10	Polynesian	81	8 10
do		Sarmatian	47	4 70
$d\mathbf{o}$	13	Scandinavian	32	3 20
do	13	Moravian	37	3 70
do	19	Waldensian	36	3 60
do	19	Circassian	39	3 90
do	20	Grecian	51	5 10
do	25	Sardinian	69	6 90
do	26	Buenos Ayrian	23	2 30
June	$2 \dots$	Peruvian	46	4 60
do	4	Manitoban	19	1 20
do	7	Polynesian	58	5 80
ďο	12	Phœnician	23	2 30
ďο	14	Moravian	89	8 90
do	18	Canadian	31	3 10
do	21	Sarmatian	106	10 60
do	24	Waldensian	50	5 30
do	28	Circassian	186	18 60
July	,5	Sardinian.	264	26 40
do do	7 7	Buenos Ayrian.	31	3 10
do	7	Grecian	115	11 50
do	12	Nestorian	95	9 50
do		Polynesian	128	12 80
do	17	Phonician	310	31 00
do	21	Prussian	110	11 00
do	26	Moravian	68 298	6 80
do	27	Scandinavian	32	29 80
do	28	Canadian	228	3 20
do	31	Sarmatian	300	22 80
Aug.	3	Waldensian	60	30 00
dő	9	Circassian	281	6 00 28 10
do	10	Buenos Ayrian.	140	14 00
do	16	Sardinian	218	21 80
do	18	Grecian	106	10 60
do	21	Peruvian	174	17 40
do	23	Manitoban	74	7 40
do	30	Polynesian.	223	22 30
do	31	Phœnician	92	9 20
Sept.		Scandinavian	9	0 90
ďο	6		154	15 40
do	7	Canadian	60	6 00
do	13	Sarmatian	121	12 10
do d o	10	Buenos Ayrian	71	7 10
do	20	Circassian	112	11 20
do			41	4 10
do	23	Nestorian	12	1 20
do		Waldensian Sardinian	52	5 20
Oct.	4	Manitoban	82	8 20
do.	4	Peruvian		1 70
do	11	Polynesian.	70	7 00
do	16	Canadian	67	6 70
do	16	Moravian.	29	2 90
do	22	Prussian	112	11 20
do	· 23	Sarmatian	69	8 20
do	26	'Nestorian	, 82 I 8	0 80
do	27	Waldensian	1 17	1 70
∘do	29	Circassian	70	7 00
		0314		

LIGHTERED CARGOES—INWARDS—Concluded.

ALLAN LINE-Concluded.

Date.	Name of Steamer.	Number of Tons.	Amount.
do 8 do 11	Grecian	38 41 43 84 4,107	\$ cts. 3 80 4 10 4 30 8 40

DOMINION LINE.

_			1		
J_{une}	3	Dominion	20	2	00
do		Montreal		1	60
do	21	Brooklyn	7	ō	70
do		Ontario		3	20
July		Toronto			80
do		Dominion		-	70
do	17	Quebec		ĭ	70
do		Montreal		10	
Aug.		Brooklyn		,	40
ďā	9	Ontario		_	60
do	31	Quebec		_	40
Sent	13	Brocklyn	12	-	20
do	20	Ontario	4	_	40
do		Texas		-	50
do		Toronto		-	30
Oct.		Dominion		_	60
do		Quebec.		_	20
do		Brooklyn			70
do		Ontario			30
Nov.	20	Toronto		-	40
.01,	0	1 UIUIIU	* 1	· · · · · ·	40
		Total	797	79	70
_				•••	

BEAVER LINE.

May	15	Isake ChamplainLake ChamplainLake Nepigon	10	1	00
une	28	Lake Champlain	67		70
July	10	Lake Nepigon	30	3	00
ųυ	30	11.8Ka Manitoban	32 1	3	20
Aug.	11	Lake Champlain	36	3	60
ųο	I8	Lake Nepigon	8 (0	80
a o	2a	Lake Winning	400	40	00
Sept.	8	Lake Manitoban	13	1	30
				1	80
∪ct.	8	Lake Winnipeg.	2	0	20
40	44	Lake Manitodan	10 (1	00
ф	2 9	Lake Champlair	6	0	60
		Total	632	63	20
_			† !		

LIGHTERED CARGOES—OUTWARDS.

ALLAN LINE.

Date.		Name of Steamer.	Number of Tons.	Amount.
18	80.			\$ cts
July	15	Grecian	425	21 25
		Buenos Ayrian	511	25 55
do		Manitoban	92	4 60
do	28	Prussian	317	15 85
do	30	Polynesian	359	17 95
Aug.		Scandinavian	325	16 25
dŏ	13	Sarmatian	390	19 50
do	19	Waldensian	388	19 40
do	19	Nestorian	339	16 95
do	20	Circassian	364	18 20
do	21	Buenos Ayrian	511	25 55
do	27	Grecian	310	15 50
do	27	Sardinian	159	7 95
Sept.	2	Peruvian	371	18 58
do	3	Manitoban	763	38 18
do	11	Polynesian	338	16 90
do		Scandinavian	708	35 40
do	24	Sarmatian.	876	43 80
do	27	Nestorian'	471	23 5
Oct.	1	Circassian	514	25 70
do		Grecian	611	30 5
do	8	Sardinian.	944	47 2
do	14	Manitoban	965	48 2
do	15	Peruvian	390	19 50
do	23	Canadian	154	6 7
do		Polynesian	1,025	51 2
do		Prussian	1,232	61 6
do	29	Moravian	648	32 4
Nov.	4	Waldensian	229	11 4
do	5	Sarmatian	818	40 9
Sept.	24	Buenos Ayrian	69	3 4
		Nestorian	874	43 7
do		Circassian	960	48 0
do		Grecian	397	19 8
do	19	Sardinian	527	26 3
		Total	18,374	918 7

DOMINION LINE.

July	21 Teutonia	64	3 20
do	24Dominion	84	4 20
Aug.	13Brooklyn	400	20 00
do	20 ¹ Ontario	552	27 60
do .	27 Toronto	257	12 85
do	30 Viking	224	11 20
Sept.	23 Brooklyn	374	18 70
do	30Ontario	667	33 35
Oct.	8 Toronto	521	26 05
do	13 Dominion	524	26 2 0
do	22 Quebec	510	25 25
do	29'Brooklyn	815	40 75
Nov.	5Ontario	399	19 95
do	19 Toronto	345	17 25
	Cattle, Lard, etc., via G. T. Railway:-		
	TeutoniaValue $\$$ 1.536 at $\frac{1}{2}$ of 1 p.c.	101	1 53
	Brooklyn do 14,040 do	100	14 04
	Forward	5,8461	302 12

LIGHTERED CARGOES—OUTWARDS—Concluded.

DOMINION LINE-Concluded.

Date.	Name of Steamer.	Number of Tons.	Amount.	
1880.	Brought forward	5,8461	\$ cts 302 12	
	Cattle, Land, etc., viâ G. T. Railway:— Texas	20	0.07	
	1 (Interio de 6997 de 1	32 40	2 97 6 23	
	Toronto de 10 045	169	18 84	
	Dominion do 11 170	92	10 04	
	Ougher do 76,925 do	106	76 83	
	Montreal do 25 702 do	228	35 70	
	Mississippi do 1'450 do	15	1 45	
	l Brooklyn do 44.901 do	363	44 20	
	Toyes 40 11 221 40	124	11 28	
	Ontario do 73,957 do	415	73 9	
	Toronto do 51,248 do	493	51 2	
	Teutonia do 10,000 do	112	10 00	
	Dominion do 34,010 do	901	34 0	
	Quebec do 28,150 do	920	28 1	
	Montreal do 47,320 do	363	47 3	
	Brooklyn do 41,911 do	313	41 9	
	Texas do 14,282 do	130	14 2	
	Ontario do 24,090 do	196	24 0	
	Toronto do 55,636 do	449	55 6	
	Dominion do 30,996 do	229	31 0	
	Quebecdo 47,531 do	329	47 5	
	Brooklyn do 48,724 do	363	48 7	
	Ontario do 15,620 do		15 6	
	Toronto do 17,943 do	158	17 9	
	Total do \$765,685 do	$11,232\frac{1}{2}$	1,052 2	

Cattle vid G. T. Railway:-		1	ļ	
Lake Winnipeg	alue	\$ 3,330	36	3 33
Lake Winnipeg	do	24,280	194	24 28
Lake Manitoban	do	22,961	183	22 96
Lake Champlain.		12,600	100	12 60
Lake Nepigon	ďο	11,426	93	11 42
Lake Winnipeg	do	28,250	216	28 25
Lake Manitoban	do	22,828	185	22 82
Lake Champlain		2,834	25	2 83
Total	do	\$128,509	1,022	128 49

SUNDRY STEAMERS.

Aug.	_		1	
gag.	6	Scotland	206	10 30
юept.	4	Cynthia	329	16 45
	7	Dernyanire	216	10 80
$\mathbf{v}_{\mathbf{q}\mathbf{o}}$	23	Sections	800	40 00
OUL.		Compthia	120	6 00
			110	5 59
	~ ~	(DUULIMIU	500 1	25 00
do	20	Lombard	1,200	60 09
	.	Thames Value \$ 855 at 1 of 1 p.c.	126	0 85
		Scotland do 2,000 do	25	2 00
		Scotland do 299 do	8	0 29
		·		
		Total do \$3,154 do	3,640	177 19

LIGHTERED CARGOES-RECAPITULATION.

	Number of Tons.	Amount.	Total Amount.
		\$ cts,	\$ cts.
Allan Line-Inwards	4,107	410 70	
do Outwards	18,374	918 70	
Dominion Line—Inwards	797 11,232	79 70 1,052 20	1,329 40 1,131 90
Beaver Line—Inwards	632	63 20	1,101 0
do Outwards	1,022	128 49	191 69
Sundry Steamers-Outwards	3,640		177 19
Total	39,804		2,830 18

JAMES WOODS, Chief Clerk.

HARBOUR COMMISSIONERS' OFFICE, QUEBEC, 12th January, 1881.

QUEBEC HARBOUR COMMISSION.

STATEMENT showing the Particulars of the Contract awarded by the Quebec Harbour Commissioners, in connection with the Construction of the Harbour Improvements, up to the 31st December, 1880.

Nature of Contract.	Date of Contract.	To whom Awarded.	Date of Completion of Contract,	Net Amount of Contract.	Deductions from Contract.	Contract Additions.	Total Amount o	Total amount pai	d Total Engineering Expenses.	Sundries, includ- ing Saltries of	Interest on Amounts Expended.	Total Amon Expenditure Fed Gover	nt re- Designation of from Statutes Authorizing	ag	Expenditure	incurred in		Amount Available for Completion	REMARKS.
								Contractors	3.	Inspectors.		Gover		1877.	1878.	1879.	1880.	on 1st Jan. 1881.	
				\$ cts.	·	\$ cts	• \$ ct	s. \$ cts	s. \$ cts				cts.	\$ cts					
Harbour Improvements	May 2, 1877	Peters, Moore & Wright	October 2, 1880	529,296 31	All the reductions effected have been transferred to the additions.	ıl.	682,791 9	9 545,573 05	44,370 69	18,868 06	26,507 41	635,319 24 577,0	0 00 36 Vic., cap. 62, ar 43 Vic., cap. 17.	46,500 46	164,533 19	254,572 50	1 69, 713 09	150,000 00	In column under the heading of "Total engineering expenses," is included the sum of \$5,195.83 paid to the Chief Engineers' representing their commission of 2½ per cent. for preparing the plans and specifications of the Cross Wall, the construction of which being estimated by them at £43,000 sterling.

Statement showing the Particulars of the Contracts awarded by the Quebec Harbour Commissioners', in connection with the Construction of the Graving Dock at Lévis, up to the 31st December, 1880.

Nature of Contracts.	Dates of Contracts.	To whom Awarded.	Dates of Completion of Contracts.		Deductions from Contracts.	Additions to Contracts.		para to con	Total	Sundries, includ- ng Salaries	Total Expenditure.	Total Amount received from	Designation of Statute authorizing Expenditure.	Expe	enditure incurr		Amount available for completion	REMARKS.
								tractors.		Inspectors.		Government		1878.	1879.	1880.	of Contract	S L
				\$ cts.	\$ cts.	\$ ets	. \$ cts	. \$ cts	. \$ cts.	\$ ets.	\$ cts.	\$ cts.		\$ cts	. \$ cts.	\$ cts.	. \$ cts	
•	<u> </u>	Larkin, Connolly & Co	1	1	1	766 03	28,527 53	122,087 38 26,465 6 7	20,010 39	17.484 41	194.123 85	200,000 00	. 38 Vic., Cap. 56	05 501 00		98,861 09	300,000 00	Included under the heading of Sundries and Salaries of Inspectors an amount of \$7,154.25 for Duty and \$1,213.85 freight on Caisson.
	i	Carrier, Lainé, & Co	1	1				8,976 00	'				do					All the amounts paid previous to the letting of the main contract are included in the column under the heading of expenditure incurred in 1878.
										100000000000000000000000000000000000000		!						

Certified,

A. H. VERRET,
Secretary-Treasurer.

QUEBEC HARBOUR COMMIS

STATEMENT showing the cost of the Lifting Barge; her yearly working of, and what re

										J1, 1111		
Cost of the Lifting Barge built in 1874-75.	Working expenses in 1875.	Working expenses in 1876, including repairs.	Working expenses in 1877, including repairs.	Working expenses in 1878, including repairs.	Working expenses in 1879.	Working expenses in 1880, including repairs.		antit Bou		Anchor, &c. ra	1	. <u>—</u> —
\$ cts. 35,184 56	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	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'Orignal."	Three anchors, 101 fathoms of chain, 121 boulders and remainder of the wreck known as L'Orignal.	375 boulders, 4 anchors, 195 fathoms chain, 50 pieces copper weighing 280 lbs, 2.0 lbs. lcad, 1 block stone, 1 flat iron knee, and 1 piece oak 40 feet.

N.B.—The 4 anchors raised in 1880, together with 135 fathoms chain and

SIONERS' LIFTING BARGE.

expenses; also, yearly quantity of Chains, Anchors, &c., raised and disposed maining on hand.

Qua	intity & c	of of	Anch sp ose	ors, Cl	hains,	Quantity of Anchors, Chains, &c., on hand the 31st December, 1880.		Proceed	s of the S Chains,		nchors,	
1875.	1876	1877	1878	1879.	1880.	Quantit Chair the 3	1875.	1876.	1877.	1878.	1879.	1880.
None.	11 anchors and 3,231 lbs. of chain.	36 anchors and 99,074 lbs. chain and broken anchors sold as sorap.	14 anchors, 79,080 lbs. chain, seven shackles and one stock.	All the stock on hand of anchors, chains and scrap.	Three shackles, 60 fathoms of chain, and all the copper and lead on hand; also old rope belonging to the barge.	173 shackles—Also one anchor that has been reserved as a souvenir of the operations of the barge. See last annual report.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.

the block of stone, have been returned to their owners.

Certified.

A. H. VERRET, Secretary-Treasurer.

	DR		VENUE AL	ND EXI	REVENUE AND EXPENDITURE.	Cu.
1 2	1880.		& cts.	1880.		\$ cts.
් ඉදිරිදිම් ඉදිරිදිම් ඉදිරිදිම් දිරිදුම් දිරි		To Tonnage dues.	33,424 10,642 10,642 10,642 10,643 11,683 11,683 12,600 10,000 10	Dec. 3	By Officers' salaries, for year Schooner Reporters, for year Schooner Reporters, for year Schooner Reporters, for year Commissioners' attendance. Schooner Reporters' for year Commissioners' for year Schooler Commissioners' for year Commissioners Co	6,763 21 1,975 01 1,975 01 240 10 1,193 83 155 00 615 33 1,604 93 388 04 1,262 75 60 70 60 68 200 00 69 68 200 00 44,380 00 1,417 16 15,172 62
		•	76,705 07			76,705 07
					madani, it	

A. H. VERRET, Secretary-Treasurer.

QUEBEC HARDOR COMMISSIONERS' OFFICE, 12th January, 1881.

Dr. BALANCE	SHEET	of 3	1st	December, 1880.	Cr.	
Office furniture Amount at debit of grantees of beach and deep water lots	38,436 6,233 6648,331 50,946 15,402 269,999 545,573 26,466 8,076 37,494 122,087 26,593 10 409 61 211 133 446 133 1,241	38 38 38 30 35 37 36 36 37 37 37 37 37 37 37 37 37 37 37 37 37	Ву	Beach and deep water lots	43,897 1,300,000 67,618 200,000	65 90 00 66 22

A. H. VERRFT, Secretary-Treasurer.

James Woods,
Book-keeper.

HARBOUR COMMISSIONERS' OFFICE,
QUEBEC, 12th January, 1881.

/ ictoria.	Ses	sional .	Papers (.	No 11.)		A.	. 1851
\$ cts.	1,518,676 68	_174,266 29					
& cts.	1,300,000 00 200,000 00 1 18,015 00 1 50 00	43,831 50 67,618 58 62,750 21					
Liabilitibs.	Guebec Harbour Debentures	Beach and Deep Water Lots					
\$ cts.	696,889 13		39,677 62 635,319 24	194.123 85	64,003 58	36,379 66	6,233 16 664 30 211 67 394 87 445 50
& cts.	84,730 35 48,331 79 50,945 20 15,402 92 9,918 29 217,662 89 269,997 69	34,374 71 4,061 67 1,241 44	545,573 05 89,746 19	122,087 38 26,465 67 8,076 00 37,494 80		606 58 35,773 08	
A skets.	Real Estate:— Wellington Wharf. Bast India do Akinson's do Grand Trunk do Reynar's do Breakwater do Point-à-Carcy Whaif.	In re Beachland Deep Water Lots:—Capital at Debit of sundry parties.—Arrears of Interest to 24th June, 1880.	Vrig Sun(Graving Dock:— Larkin, Connolly & Co Wigham, Richardson & Co Uarrier, Laine & Co Engineering and sundries	Sinking Fund :-In hands of Receiver-General	Cash:— On hand	ce SheetrBalance Sheet

. [-				
1,692,942.97	EF, try-Treasurer.			
	A. H. VERRET, Secretary-Treasurer.		·	
7,885 84 6,885 84 6,885 84 61 31 10 64 130 00 1,247 50 2,124 35 2,124 35				
Open Exchange Dominion Government. Fradel Desvorber Fradel Desvorber Knipple & Morris. Alleyn & Alleyn Bills Received. Office Furniture.	Jas. Woods, Book-kecper.	Harbour Commissioners' Office, Quebec, 12th January, 1881.		
Open Exc. Dominion Fradet & J. Fly Bank Knipple & Alleyn & S. Hon. A. h Bills Recei	JA	Наввои		

APPENDIX No. 9.

REPORT ON THE OPERATIONS OF THE HARBOUR COMMISSIONERS' OF TORONTO, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

TORONTO HARBOUR.

Secretary of the Toronto Harbour Trust in account with the Harbour Commissioners for 1880.

	R.	GENE	RAL BA	LANCE SHEET.	Cr.
188	0.		\$ cts	. 1880.	\$ cts.
Dec.	31	Wharf property, lighthouses,	5 9.6 69 0	Dec. 31 Balance to the credit of	
do do		Office furniture	. 600 €		00,021 02
do do	31	Bank of Toronto on deposit Cash on hand	525 0	8	
			66,321 6		66,321 61

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 December 31st, 1880.

MORGAN BALDWIN,

Harbour Master,

E. G. HELLIWELL,

Deputy Harbour Master,

JAMES E. DAY, J. G. RIDOUT, Auditors.

D. WALKER, Chairman, JAS. G. WORTS, H. J. GRASETT, JOHN TAYLOR,

Harbour Commissioners.

STATEMENT of Receipts and Expenditure of Toronto Harbour Trust for the Year 1880.

1880		Dr.	\$	cts.	1880).	Cr.	\$	cts.
do Mar. Nov.	2 23 8	Balance on deposit in bank Cash in hand Steamer Chicora portion of repairs to Queen's Wharf Sale of old storehouses, Queen's Wharf Toronto, Grey and Bruce Railway, portion of repairs to Queen's Wharf	1 4 33	9 75	Dec. do do do do do	13 31 31 31 31 31	Profit and Loss, sundry disbursements	2,66 43	58 80 2 00 50 00 57 60 50 00 39 9
Dec.	31	Toronto, Grey and Bruce Rail- way, rent of Queen's Wharf		00 00	do	31	Newspapers and advertising Dredging		14 00 42 4'
		Interest allowed by Bank on deposits	,	29 00	do	31	Lights, buoys and beacons Coal, wood, water and gas	6	25 19 97 5
do	31	Harbour dues		51 37		31	Bank of Toronto on deposit Cash on hand		77 25 49 8
			14,98	9 04	1			14,9	89 O

Audited and found correct,

JAMES E. DAY, J. GRANT RIDOUT, Auditors.

STATEMENT IN DETAIL.

1880.	PROPERTY ACCOUNT.	S cts.	\$ cts.	\$ cts
an. 2	Balance as per ledger, page 199		68,000 00	
	Credit.	ł		
lay 5 Vov. 5	By Profit and Loss, for wear and tear By Sale of old storehouses	8,000 0 0 331 0 0	8,331 00	** ***
	Office Furniture.	:		59,669 0
an. 2 ec. 13	Balance as per ledger, page 207	833 03 2 00	835 03	
	. Credit.			
do 24	By Deduction to correspond with inventory		234 50	600 53
	Toronto Grey and Bruce Railway.		!	
an. 2 Dec. 31	Balance as per ledger, page 249 Year's rent of Queen's Wharf. ·	952 53 2,100 00	3,052 53	
	Credit.			
do 31 do 31	Payments made on behalf of rent Portion of repairs to wharf	2,100 00 427 53	2,527 53	
	CHARGES ACCOUNT.			525 00
an. 20	Auditors' fees for 1879	•••••		50 00
	Insurance,		ļ	
do 20 ec, 27	Premium on Queen's Wharf storehouses Premium on office furniture	***********	52 50 5 10	57 6
	SALARIES.			
40 3	John Carr, Harbour Master Morgan Baldwin, Harbour Master E. G. Helliwell, D. H. M. Captain Taylor, D. H. M.		1,000 00 200 00 800 00 600 00	2,600 0
	NEWSPAPER ADVERTISING.			•
an. 20 do 31	Mail subscription for 1880Globe subscription for 1880		7 00 7 00	14 0
	Office Expenses.			14 0
do 31	W. H. Sparrow's account	9 15 0 3 1 360 00 70 15	440 11	
. _	Credit.		[
Yor,	Refunded overcharge		0 20	439 9

STATEMENT IN DETAIL.—Continued.

	1		\$ cts.	\$ ets.	\$ cts.
	- [Brought forward			63,956 04
	1	PRINTING, STATIONERY, &c.			
Jan.	31	Copp, Clark & Co.'s account	3 75		
do do	31 (. 31 (Rowsell & Hutchison	1 00 1	1	
May	11	Copp, Clark & Co.'s account	26 25		
lune do	16	do do	17 60 19 20	,	
Aug.	2	Copp, Clark & Co.'s account	4 50	i	
Oct.	141	do d o	6 0 0 i		
Dec.	31	Sundry items as per petty cash		78 20	
		Credit.			
May	11	Copp, Clark & Co's account twice charged		3 75	74 45
		COAL, WOOD, &c.		1	
Feb.	28	P. Burns, account for coal, &c		8 25	
April do	14	Consumers' Gas Co., gas rent		18 73 5 30	
A 11 ~	21	P Rurns account for coal		5 90 1	
Oct. Dec.	14	Water rate		12 75 21 65	
do	i	W. Burns & Co., account for ice		6 50	
do	14	T. R. Bailey & Co., account for coal Sundry items as per petty cash		9 70 8 76	
do	311	LIGHTS, BUOYS AND BEACONS.			97 54
A:1	C	Mail and Globe, advertising notice to mariners		8 00 1	
at prii	14	J. Neil & Sons. making and repairing buovs		110 30	
do	20	J. Neil & Sons, making and repairing buoys		46 35	
do Mov	23	Placing out buoys for 1880	********	24 00 45 07	
do uny	11	H. Hudson, repairing boat		6 50	
June	16	Advertising notice to mariners		12 00	
do Aug.	24	Tug for inspection of harbour			
Sept.	20	James Adams, account for line	1.8000 40000 40000	5 32	
		W. H. Sparrow's account		5 75	
Dec. do	1	do do		34 04 192 21	
do	15	W. Ward, lifting buoys in East Gap		7 00	
do	24	N. L. Piper & Son, improvement to lights			
·do		Point	********	40 00	
	-	Dredging.			625 19
May	11	Hunter and Murray, dredging Yonge Street Slip	,	350 33	
do	28	do do Burns' Wharf		321 75	
do do	28 28	do do Taylor's Wharfdo Nairn's Wharf	••••••	93 50 192 72	
go	28	Engineer's fees, Kivas Tully		30 40	
_do	28	Check Clerk's fees, R. Y. Ellis		22 50	
June	$\frac{16}{12}$	Hunter and Murray, dredging Nipissing, 1st Certificate do do 2nd do	·····	966 83 1,501 58	
July do	12			323 58	
do	20	do do E. Rogers & Co.'s Dock		483 47	
Aug.	2 2			256 67 237 69	
do do	10			462 45	
				\i	5,242 47
			I	1 1	69,995

4.1	v ictoria,	Sessional
CR	\$ cts. 75,779 21 43 29 2,100 00 6,580 37	84,502 87
LOSS.	23.Steamer Chicora, portion of repairs to Queen's Wharf. 31.Toronto, Grey and Bruce Railway, rent of Queen's Wharf	
AND]	Jan. May Dec. do	
PROFIT AND LOSS.	8,000 8,000 254 254 31 60 60	486 80 234 50 9,201 16 66,321 61 84,502 87
Дв,	20 Petty cash disbursement	26 Life boat account transferred
D	1880. April 3 May June June do Oct, 2 do	1

MORGAN BALDWIN,

Harbour Maste
E. G. HELLIWELL,

Deputy Harbour Maste

Toronto, 31st December, 1880.

COMPARATIVE STATEMENT.—Arriving by Steamers and Vessels for 1879-80.

Description.	1879.	1880.
Merchandise and all enumerated articles	13,939 125,908 1,931 2,539 5,676 350 215,480 78 1,645,206 35,304 690,000 209 6,556 9,992 74,447 333 645 1,875 204 15 215 22,350 245	14,673 85,532 1,124 1,743/ 6,682 1,042 64,253 817,910 20,600 29,600 295 3,693 7,034 90,475 263 409 2,243 105

COMPARATIVE Statement of the different kinds of Coal in the Years 1878, 1879 and 1880.

Description.	1878,	1879.	1890.
Hard Coal Soft Coal	Tons. 85,571 72,726	Tons. 89, 8 27 36,091	Tons. 70,051 15,481
	158,297	125,908	85,532

THIRTIETH ANNUAL REPORT.

Gentlemen,—I beg to report, for the information of the Commission, the following items connected with the Trust for the year 1880.

Navigation.—The ice left the Bay on the nineteenth day of February. Navigation began on the third day of March, and closed on the fourth day of December. The Bay froze over on the twenty-second day of November, was clear of ice on the sixth of December, and froze again on the eighth of the same month.

240

Vessels, -- The number of vessels arrived at the Port during the season was two thousand two hundred and twenty-one.

Steamboats loaded	
Propellors loaded	226
do light	
Schooners loaded	846
do light	319
Total	2,321

The number of vessels wintering here is fifty-four, representing a tonnage of about 10.835 tons.

Receipts.—The receipts on harbour tolis amounted to \$6,451.37, showing a falling off as compared with last year of \$2,407.99.

The total revenue for the year amounted to \$9,482.19.

The total expenditures for the year was \$9,461.96.

There was at the credit of the Trust on the 1st of January, in the Bank of Toronto, \$5,487.10, and cash on hand \$19.79, which, added to the revenue for the year \$9,482.19, makes a grand total of \$14,989.04, and deducting the amount expended for all purposes, \$9,461.96, leaves a balance to the credit of the Trust of **\$5**,5≥7.08.

Coal.—The amount of coal imported was 85,532 tons, a deficiency as compared

with last year of 40,406 tons.

Note.—The amount of coal received by rail, as per information received at Custom House, was hard coal, 59,512; soft coal, 23,189; total, \$2,701 tons.

Grain.—There is also a deficiency in the receipt of grain of 151,227 bushels.

Both the above were owing in a great measure to the sudden setting in of winter. Other Importations. - All other importations show a falling off, more or less, with the exception of the following, which show an increase:—Merchandise, 734 tons; lime plaster, &c., 1.006 barrels; fish, tallow, oil, &c., 269 barrels; fruit, 16,027 baskets; unwrought building stone, 368 tons.

Water.—The highest water registered this year was 19 inches above zero on the

4th day of June, and the lowest was 7 below zero on the 30th of December.

Western Channel.—There was an average depth of water in mid-channel of twelve feet.

The sand bar continues to encroach on the western channel, there being at Present only a width of 220 feet from the Queen's wharf to the buoy in ten feet of

Cut.—Captain Murray has made a cut, under directions from the Dominion Government, through the sand bar through the south of the western channel, at a distance of about 700 feet from the Queen's wharf, for the purpose, I understand, of ascertaining whether a depth of water of 16 feet could be attained.

Dredging.—The amount expended by the Trust for dredging was as follows:—

Yonge Street Dock	\$ 350	33
Burns' Dock		
Nairns' Dock	466	53
Yorke's Dock	237	69
Taylor's Dock	10 8	50
Roger's Dock	483	47
Keith's Dock	322	5 8
Nipissing Dock	2,930	86

Buoys.—The buoys were taken up in the Eastern Gap on the 2nd day of Decem-Those at the Point and in the Western Channel by the 20th day of December.

Lights.—The old lights on the Queen's wharf have been replaced by six patent headlight burners and semaphore lenses at a cost of \$192.21, and now give great satisfaction.

A better light than that at present in use is much needed at the Point, and I would suggest the advisability of an application being made to the Dominion Gov-

ernment for its improvement.

Life-Boat.—The Solicitor for the Trust having reported that the Commissioners could not legally expend any Trust moneys on life-saving apparatus, the Commissioners have handed over the life-boat to the Corporation of the City of Toronto, in trust, who have erected a boat house at the Island, and have agreed to pay for the maintenance of the same.

Buildings.—Mr. Tully, the Engineer of the Trust, having reported to the Commissioners that the storehouses on the Queen's wharf were in a state of decay and totally unfit for the storage of grain, it was decided by the Board to advertise the same for sale by auction, which was done. The buildings were sold by F. W. Coate & Co.,

and the amount realized by the sale was \$331.

The Commissioners have effected a new lease of the Queen's wharf to the Toronto, Grey & Bruce Railway Company for a further term of twenty years at an advanced rate of \$900 per annum, and have agreed to replace the old storehouse at a cost of \$10,000 to the Trust. The railway company further engage to put machinery in the storehouse at their own expense, which will make it a most servicable addition to the harbour property, and attract a large quantity of grain from the upper lakes, and increase the trade of our harbour.

I have the honour to be, gentlemen,

Your obedient servant,

MORGAN BALDWIN,

Harbour Master.

TORONTO HARBOUR WORKS, TORONTO, 4th January, 1881.

SIR,—I have the honour to report that as the level of the water in Lake Ontario still continues lower than the average, the number of applications for dredging were increased during the past year.

increased during the past year.

Tenders were received in the spring from sundry parties, the tender of Messrs. Hunter & Murray, of St. Catharines, who have been engaged in dredging operations for the Dominion Government at the Western entrance of the harbour for some years past, being the lowest, was accepted.

The following dredging was done by them in a satisfactory manner during last

season :--

Yonge Street Slip 2,925	cubic yards.
Scott do 2,630	do
Church do	do
George's do	do
Taylor's Wharf	do
Keith & Co's. Wharf 2,728	do
Rogers & Co's. do	do
Channel to Nipissing Railroad Wharf20,930	\mathbf{do}
Entrance to Don Channel 3,900	do
Total	do

The heighth of the water on the gauge at the Queen's wharf is now only three inches above zero, about the same level as at this period last year.

As stated in previous reports, particularly in that for 1875, I would again point out the necessity of calling the attention of the City Council to the increasing annual expenditure for dredging, which might be avoided if the River Don was diverted into Ashbridge's Bay, and a "general system of drainage devised to prevent the contents of the sewers from being emptied into the Bay."

The late City Engineer recommended the construction of a Trunk Sewer on Front street, to intercept the drainage from the main sewers through which the sewage would be discharged into Ashbridge's Bay. As I consider the proposition to be practicable, I would recommend the Board to co-operate with the City Council for its

early construction.

I have the honour to remain,

Your obedient servant,

KIVAS TULLY,

Engineer.

ALDERMAN WALKER.

Chairman Toronto Harbour Commissioners.

APPENDIX No. 10

REPORT OF THE HARBOUR COMMISSIONERS OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

PICTOU, N.S., 17th January, 1881.

SIR,—The Commissioners of Pictou Harbour beg respectfully to submit the accompanying attested account of their receipts and expenditures for the year ending December 31, 1880.

The Commissioners contemplate expending a large part of the balance in hand

in building a ballast block.

As it was impossible to secure the services of either of the dredges during the past season, they would earnestly recommend that the "St. Lawrence" be detained to deepen the channel, &c., and dredge around the sides of the West, or South Market Street Wharf.

I have the honour to be, Sir,

Your obedient servant,

J. A. GORDON,

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

Chairman of Harbour Commissioners.

cts. 37 Account of Moneys received and expended by the Commissioners of Pictou Harbour, for the Year ending 31st December, 1880. 3,127 Cr. () ets. 50 43 60 8 4 3 3 83 200 107 37 100 Balance in Commissioners' hands...... River, and bushes Labour at East Wharf Tug "Daisy," setting buoys Labour at West Wharf, &c Tug "Dragon," lifting bucys...... "Daisy," account..... A. Gervin, labour account Wharfinger, year's salary Labour at East Wharf. : : - : 1880. do Sept. Oct. Oct. do do do do င့် ဝှင် do June ф 88 8 3,127 2,219 cts. 8 1,650 00 Collector of Customs for Hardo Collecter of Gustoms for Har-bour dues, &c. DR. 1880. 245

J. A. GORDON,
For Board of Commissioners.

Sworn to, at Pictou, before me, this A. J. Parrenson, J.P. 17th day of January, 1881.

APPENDIX No. 11.

REPORT OF THE HARBOUR MASTER FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

> HARBOUR MASTER'S OFFICE, HALIFAX, 3rd January, 1881.

Sir, -I have the honor to submit my first report as Harbour Master for the Port

of Halifax, for the year ending 31st December, 1880.

Having only assumed the duties of the office on the 22nd March last, I do not detail the office expenses, boats' crew and other charges previous to that date-they

having been paid by my predecessor or the administrator of his estate.

You will notice by the returns herewith enclosed that the trade of the port has materially increased during the past year, and with the operating of our sugar refinery now about completed, and the extended shipping facilities at the terminus of the Intercolonial Railway, I confidently look forward to a much further increase during the year now ensuing.

I have the honor to be, Sir,

Your obedient servant,

E. O'BRYAN,

Harbour Master.

WM. SMITH, Esq., Deputy Minister of Marine and Fisheries, Ottawa.

Cr.

RECEIPTS and EXPENDITURE of the Harbour Master, Halifax, N.S., from 1st January to 31st December, 1880.

Dr.

W7	
Amount.	\$ cts. 239 50 221 50 325 00 44 00 328 00 700 50
	By Paid the late E. Woods, Harbour Master, expenses and remuneration. Paid George McKerron, acting Harbour Master, expenses and remuneration Paid for office expenses from 22nd March to 31st December do printing, stationery, &c. do do boat's crew do and boat's crew do Amount reverting to E. O'Bryan, Harbour Master
Amount.	\$ cts. 578 50 20 00 276 50 24 00 24 00 26 50 672 50 \$1,858 50
Tonnage.	166,320 4,048 40,150 3,233 2,617 2,617 29,366 48,655
	To Fees collected from 123 steamers. do do 4 ships do do 16 barques

E. O DIVIAN,
Harbour M

APPENDIX No. 12.

REPORT OF THE HARBOUR COMMISSIONERS OF NORTH SYDNEY, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1879.

NORTH SYDNEY, 12th January, 1880.

SIR,—The Commissioners of North Sydney Harbour beg to submit the accompanying attested accounts and reports of their proceedings for the year ending 31st December, 1879.

They also enclose the Harbour Master's Report.

The Commissioners received their appointment 19th July, 1879; and on assuming charge of the affairs of the harbour, found it very nearly in the condition described by Mr. Perley, C.E., in the following Report to the Minister of Public Works in 1875:—

"REPORT RELATIVE TO THE CONDITION OF THE NORTH BAR, SYDNEY HARBOUR, C.B.

"The Harbour of Sydney, Cape Breton, is described by Admiral Bayfield as one of the finest ports in the world, being equally easy of access and egress, and capable of containing any number of the largest vessels in safety. It is three miles wide at the outer entrance, but the navigable channel contracts rapidly to the breadth of one-half mile between the two bars, which are of sand and shingle, and extend from the shore on either side at five (sca) miles within the light-house at that point.

Inside of these bars the harbour divides into the West and South Arms

"The town of Sydney, three and a half miles up the South Arm, is the shire town of the county. The town of North Sydney is situated within the North-West Bar, and is principally known as the loading ground of the General Mining Association in the shipment of coal raised at their mines. The North-West Bar, lying one-fourth of a mile to the seaward side of the new pier, lately erected by the General Mining Association, extends 1,100 feet into the harbour, and has a width of about 1,400 feet; over this area the depth at low water spring tide varies from six inches to two feet. This bar—extending as it does so far from the shore, and having an immense area of shore ground—breaks the force of the sea from the northward, and forms a shelter for the wharves and anchorage.

"Nearly all the vessels calling for coal at North Sydney, arrive in ballast, which is discharged at the ballast ground south of the wharves. This ground, from the accumulation of years, now extends 900 feet into the harbour to a depth of 22 feet,

at low water, and shelters the wharves during southerly gales.

"Bayfield's chart of 1849 shows the bar to be dry at low water. It has now, as before stated, a depth of from six inches to two feet over it at such time, thus proving a denudation of the surface has taken place, as stated by Messrs. Ruthford and Morrow.

"Shoaling has taken place about and around the wharves, and dredging has been

done to restore the original depth.

"This shoaling may be thus accounted for: Ballast of all kinds is deposited at the ballast ground, and all the finer material, such as earth, sand, &c., is, by the action of the sea, washed out, leaving only the coarser material. Again, the bottom all over the West and South Arms is of mud. The wharves lying opposite the junction of these arms are exposed to the full force of southerly gales, and any soft material,

whether brought down by the sea or washed out of the ballast ground, would be checked by the North-West Bar, and deposited at the wharves and anchorage.

"In regard to the proposal that vessels arriving in ballast should, in future, discharge at the bar instead of the present ballast ground, I am of opinion that such a course would be admirable, and for the following reasons:—

"1st. The present ballast ground has been carried out to deep water, and no fur-

ther extension is required for the purposes of shelter.

"2nd. The present ground is difficult of access, and the damage to the harbour

from the washing out of the softer material would be unchecked.

"3rd. By discharging ballast on the South-West Bar a breakwater would, in the course of time, be made, which would render the anchorage and wharf property still more secure, and would increase the sheltered area, at present rather small.

"Should it be deemed advisable to create a place for discharging ballast on the North-West Bar, it will be necessary to place a continuous line of close-faced wharf-

ing on its inside edge, in 16 feet of water.

"This wharfing would have to be built by degrees, commencing at the shore end, and constructing at first about 370 feet to reach deep water, so that vessels of all classes could discharge; and to this length extensions could be added when found necessary.

"I estimate the cost of the 370 feet alluded to placed, as per plan, at \$10,000.

"Looking at the construction of a new ballast wharf in the light of a necessity for the protection of private wharves and the accommodation of vessels, it is a question to what extent the Dominion is interested in its construction, and whether its cost should not be wholly or in part defrayed by a tonnage due levied on vessels using the harbour. At present, I believe there are not any dues collected for this purpose; and it might be advisable to consider this question.

"HENRY F. PERLEY.

"St. John, N.B.,
"31st December, 1875."

The Commissioners' approve of Mr. Perley's suggestions in the main and intend locating ballast ground on the North Bar as soon as circumstances will permit, and also of having another survey to ascertain the best means of preventing further shoaling of the harbour, but at present a breastwork on the face of the old ballast ground has been decided upon to prevent the wash from shoaling the harbour from that quarter, and to enable vessels to discharge ballast with safety, and avoid the unnecessary expenses of discharging at private wharves, which now require little or no more to fill up their ballast space.

M. J. PHORAN, GEORGE H. DOBSON, W. H. MOORE.

To the Hon. James C. Pope,
Minister of Marine and Fisheries,
Ottawa.

Account of Moneys Received and Expended by the Commissioners of North Sydney Harbour, for the Year ending 31st December, 1879.

Moneys Received.	\$ cts.	Moneys Expended.	\$	cts.
Harbour Dues and Moneys collected.	 28	Harbour Master's salary	137 213 105 57 34 235	28 3 00 3 01 7 06 4 45 6 82 28

Harbour Master's Report, North Sydney.

Gentlemen,—I have the honour to submit the following report of arrivals and tonnage for the year ending 31st December, 1879.

This statement embraces the vessels calling for orders and those loading within the harbour, as well as the vessels entering at the Port of North Sydney.

Particular	s of vessels:—	Tons.
41	Ocean steamers for Bunker coal	
105	Mail and freight steamers	45,752
8	Ships	7,541
137	Barques	68,244 25,358
145	Brigantines	25,358
717	Schooners	55,775
1,153.	Total	245,220

The buoys were taken up 30th December. Navigation open with vessels arriving and departing until 31st December.

I have the honor to be, gentlemen,

Your obedient servant,

GEORGE B. MOFFAT,

Harbour Master.

To Harbour Commissioners, Port of North Sydney.

APPENDIX No. 13.

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 Musters; 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, 1880, and the overplus, if any paid into the credit of the Receiver-General.

PROVINCE OF ONTARIO.

Name of Port.	Date of Proclama- tion.	Name of Harbour Master.	Date of Appoint- ment.	Amount from the fees of office salary not to exceed.	Amount collected in 1880.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
Collingwood	2 Mar 1977	Andrew Lockerbie	3 Mar., 1877	\$ cts.		\$ cts.	\$ cts.
O-1	3 Mai., 1011	Andrew Dockerble	5 Mai., 1011				10 00
		Thomas N. Dancey		300 CO	166 50		
Penetanguishene	2 Feb., 1877	Vacant		2 00 00			
Rondeau	4 May, 1878	Thomas Harrison		100 00	108 00		8 00
		David Cascaden	13 Sept., 1875	100 00	74 00		
	1	I		<u> </u>	<u> </u>	<u> </u>	

PROVINCE OF QUEBEC.

Amherst	200 00	23 80	
Gaspé 25 Sept.,1874 Joseph Eden	500 00	113 50	
Lachine (under Montreal Harbor Comm'rs). 24 Apl., 1880 Louis Paré			740 50
Matane 19 Oct., 1877 D. F. St. Aubin		22 50	
Metis 7 Feb., 1878 P. F. Leggat 7 Feb., 1878	20 0 00	48 00	
Oak Bay 27 Mar., 1880 Jas. D. Sowerby	200 00	15 50	
Paspebiac 12 May, 1877 Hugh Christie	150 00	50 00	
Rimouski 5 Mar., 1877 Jos. St. Laurent 30 May, 1878	20 0 00	10 50	*******
St. Johns Within [Jos. E, Pinsonneault 19 May, 1879	400 00	612 00	212 00
Sorel bour Pierre Bellefeuille 20 Apl., 1875		350 50	50 50
Three Rivers of Mont- Uldoric Frederick Langlois 14 June, 1875	300 00	229 50	
	!	<u> </u>	<u>'</u>

PROVINCE OF NEW BRUNSWICK.

Name of Port,	Date of Proclamation.	Name of Harbour Master.	Date of Appoint- ment.	Amount from the fees of office salary not to exceed.	Amount collected in 1880.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
Bathurst	30 May, 1873	Peter J. Hachey	12 Dec., 1874	\$ cts.	\$ cts.	\$ cts.	\$ cts.
	i	No appointment	1				
)	John Keswick	ì	100 00	20 50		
		William Mott	1	200 00	11 00		
	į.	John Benjamin Beatty	ı		8 50		
	i	Prospere Paulin	i l		43 00		
	1	Wm. Johnston	1		769 50	48 59	420 91
	1	John Brooks	1 '		9 50		
		Joseph W. Cullen	i		111 •0		
	i	Joshua King	1		40 50		
	i	No appointment	1	42 844			
		James A. Pettis	1	100 00	No retur	n.	
	1	John Avard	1		Nil.	· 	
	!	Joseph McAlmon	1		9 00		
	1	Nehemiah Bennett			51 80		
Ledge of		Charles Young			37 50		
	į.	No appointment			3. 00		
	1	Samuel Hayward	1	100 00	107 50		7 50
	1	John Niven	ł	1	424 00		124 00
		No appointment			121 00		
	1	Jacob Silliker	1	200 00	16 50		
	1	James Alexander Jardine	1	l	129 00		
	1	No appointment	1	1	120 00		
Sackville	ł						
	1	John Balson	7 July, 1873	100 00	125 50		ļ
	1	James Dick			73 00	ĺ	
	1	Joseph Carson	ŧ	1	13 00		
	1	Alexander McQueen	1	1	1		
	, 1100	- micantati megateti		, 500	. 110 00	1 ********	1

Balance used in repairs to Harbor.
 252

PROVINCE OF NEW BRUNSWICK-Concluded.

Name of Ports.	Date of Proclam- ation.	Name of Harbour Master.	Date of Appoint- ment.	mount from the fees of office sainry not to exceed.	mount collected in 1830.	Amount of expenses incurred in repairing & placing buoys, &c.	mount paid over to Receiver-General.
				\$ cts.	S ets.	\$ cts.	\$ cts.
Shippegan	 30[May, 1873	John De Grace	10 Aug.,1880	100 00	Nil,		
Tracadie	1	Vital Arceno	9 July, 1875	100 00	3 00		
West Isles	4 Feb., 1879	Thos. K. Parker	4 Feb., 1879	200 00	11 00		

PROVINCE OF NOVA SCOTIA.

Advocate15	May, 1880	Samuel	Morris	10 1	May,	1880	100	00	Ni	1.		
Annapolis 12	Mar., 1875	William	Cummings	16 I	May,	1879	209	00	52	00		
Arichat 22	Apl., 1879	Felix L	Marman4	22 <i>i</i>	Apl.,	1879	200	00	84	50		
Badleck 23	Sept.,1875	Stephen	Atwater	15 8	Sept.,	1875	100	00	31	50		•••••
Bayfield 11	July, 1879	John Me	Donald	11 3	July,	1879	200	00	2	0 0		
Bear River 25	Sept, 1874	William	Fenwick Hennigar	22 8	Sept.,	1874	100	00	40	00	•••••	
Beaver Harbour. 24	July, 1880	Leonard	l Jewers, sen	5.	July,	1880	100	00	4	00	ļ	······
Bridgewater 6	Мау, 1874	Joseph	Robins Wyman	6 :	May,	1874	100	60	115	00		15 00
Bras d'Or, in- cluding New Campbelltown 6	May, 1874	Francis	Dunlap	6 .	May,	1871	200	00	7	50		
Cape Canso	5 June, 1876	William	Walsh	6.	June	,1876	100	00	45	50	ļ	·*****
Cheticamp 20		ł		1		1			10	50	<u></u>	······
		1	Tracey	1					22	00		
			McDonald						223	00		
			A. Hughes					00	25	50		} [
			ardy						4	50		.
Glasgow and Cape Breton			McQuarrie						12	50		
1		1	Hatfield	1			1		!	50	i	
Halifax	o proclam- ation re- quired by		l O'Bryan						1858	50	106 90	151 60

PROVINCE OF NOVA SCOTIA-Continued.

Name of Port.	Date of Proclam- ation.	Name of Harbour Mast er.	Date of Appoint- ment.	Amount from the fees of office salary not to exceed.	Amount collected in 1880.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
				\$ cts.	\$ cts.	\$ cts.	\$ cts.
Indian Bay	25 Oct., 1876	Matthew Drips McKenzie	25 Oct., 1876	150 00	21 00	•••••	
International Harbour	30 Oct., 1880	Michael Neville	30 Oct., 1880	300 00	47 00		, .
Lahave	12 Mar., 1875	George Henry Zwicker	25 Feb., 1875	300 00	51 00		
Liverpool	19 Jan., 1877	Wm. A. Kenney	19 Jan., 1877	200 00	159 00		
Louisburg	17 Mar., 1879	Patrick O'Toole	17 Mar., 1879	200 00	37 00		
Lunenburg	3 Dec., 1875	Will am Henry Begg	3 Dec., 1875	150 0 0	8 1 00		
Mabou	17 July, 1880	Finlay Rankin	23 June, 1880	100 00	1 00		
McNair's Cove	12 Mar., 1875	Ronald McEachen	8 Mar., 1875	150 00	Nil.	 	
Margaretville	26 Mar., 1878	Robert Early	26 Mar., 1878	100 00	12 00		
Margaret's Bay	16 July, 1875	Peter Francis Boutillier	9 July, 1875	100 00	47 50		
Merigomish	26 Mar., 1878	W. C. Olding	26 Mar., 1878	100 00	6 50	ļ	
Neil's Harbor	28 Apl., 1876	Angus Buchanan	11 Apl., 1876	100 00	2 50		
Northwest Cove, Coleman's Cove and Aspotogan Harbour	29 Dec., 1876	William Murphy	1	,	Nil.		
	1	Edward Walter Beaty	22 Oct., 1873	100 00	77 00	*******	
Pictou	ation re-	John Gunn	14 Aug.,1875	40 0 0 0	1650 00		
Plaster Harbour.	6 May, 1874	Donald Fraser	6 May, 1874	200 00	Nil.		
Port George	1 May, 1877	Chas. B. Weaver	1 May, 1877	150 00	6 50		
Pt. Hawkesbury.	, 16 July, 1875	Daniel Henesey	9 July, 1875	200 00	88 00	•••••	1
Port Hood	16 July, 1875	John Murphy, jun	9 July, 1875	200 00	11 00		
Port Mulgrave	8 Mar., 1876	Otis G. White	16 May, 1879	200 00	71 00		
Port Medway	25 June, 1879	Jabez F. Parks	25 June, 1879	200 00	42 00		
Pugwash	22 Oct., 1873	A. A. Stevens	22 Oct., 1873	100 00	59 50		
River John	26 Mar , 1878	Henry Heighton	29 Oct., 1879	100 00	9 50		
Sambro	27 Dec., 1879	Joseph Martin	23 Dec., 1879	200 00	14 00		

PROVINCE OF NOVA SCOTIA-Concluded.

		The second secon					
Name of Fort.	Date of Proclama- tion.	Name of Harbour Master.	Date of Anpoint- ment.	Amount from the fres of office salary not to exceed.	Amount collected in 1830.	Amount of expenses incurred in repairing & placing bnoys, &c.	Amount paid over to Receiver-General.
Sheet Harbour	14 May, 1874	William Hall	14 May, 1874	\$ cts.	\$ cts.	\$ cts.	\$ cts.
		John A McGowan, jun		l .	52 00		
		James W. Weatherby			10 50		*****
		Forman Hatfield			14 50		
		William Macnab			7 00		
Whycocomah	29 Oct., 1875	Neil McKinnon	8 Oct., 1875	100 00	11 00		······
		Ebenezer Scott			224 00		•••••

PROVINCE OF PRINCE EDWARD ISLAND.

<u> </u>						
Bay Fortune 10 Apl., 18	75 John R. Coffin	. 29 Apl., 1878	200 00	Nil.		
Cardigan River, including Car-	: 78 Hercules McDonald			0 50	*******	********
Cardigan River, from head of river to north bank Mitchell						
Rivér 2 July, 18	78 Angus McDonald	. 16 May, 1879	200 00	Nil.		
Cascumpec 15 July, 18	74 George Wells	. 17 June, 1874	200 00	19 00	i 	
Charlottetown 15 July, 18	74 David Small	. 17 June, 1874	400 00	173 50		
Clapaud 15 July, 18	74 Wesley Myers	. 17 June, 1874	200 00	11 50		
Egmont Bay 15 July, 18	74 Alexander McArthur	17 June, 1874	209 00	Nil.		
Georgetown 15 July, 18	74 John Haggart	. 17 June, 1874	200 00	58 00		
Grand River 10 Apl., 18	75 Ronald S. McDonald	. 10 Apl., 1875	200 00	7 00		
Grand River down to and including Pop- lar Point and	75 John McMullen			Nil.		
Malpeque 10 July, 18	74 Vacant					••••
Miminegash 17 Apl , 18	80 Michael McElroy	12 Apl., 1880	100 00	Nil.		********
Montagu Bridge 15 July, 18	74 Daniel C. Campbell	. 17 June, 1874	200 00		*******	10000000

PROVINCE OF PRINCE EDWARD ISLAND-Concluded.

Name of Port.	Date of Proclama- tion.	Name of Harbour Master.	Date of Appoint- ment.	Amount from the fees of office salary not to exceed.	Amount collected in 1880.	Amount of expenses incurred in repairing & placing buoys, &c.	Amount paid over to Receiver-General.
Murray Harbour.	1 5 July, 1874	William Millar	17 June, 1874	\$ cts. 200 00	\$ ets. 7 00	\$ cts.	\$ cts.
Murray River	16 May, 1879	John Lowe	16 May, 1879	200 00	Nil.		
New London	15 July, 1874	George Mackenzie	17 June,1874	200 00	5 50		
North Pinette	15 July, 1874	Niel McLeod	17 June,1874	200 00	7 00		
Port Hill	15 July, 1874	James Ellis	17 June, 1874	200 00	11 00	 	
Pownal	10 July, 1879	A. A. Mcore	10 July, 1879	100 00	4 00		
Rollo Bay	10 Apl., 1875	Charles Deagle	10 Apl., 1875	200 00	Nil.		
Rustico	17 May, 1875	Vacant		·•••		 	
St. Peter's Bay	10 Apl , 1875	George Anderson	7 Dec., 1878	200 00	4 50		
Souris East and West		John McCormack	25 Apl., 1879	200 00	24 50		
Summerside	15 July, 1874	Ronald Campbell	17 June, 1874	200 00	47 50	, 	
Tracadie	17 May, 1875	Hugh Campbell	5 May, 1875	200 00	Nil.		
Tryon	12 Apl., 1877	Alexander Howatt	12 Apl., 1877	200 00	Mil.		
Vernon River Bridge	19 July, 1874	John Furness	17 June, 1874	200 00	9 50		
West River	17 May, 1875	No appointment					

PROVINCE OF BRITISH COLUMBIA.

4						
Burrard Inlet	4 Dec., 1876	Isaac Johns	4 Dec., 1876	400 00	163 00	 ,
Nanaimo	10 Apl., 1875	Thomas Eric Peck	25 Apl., 1876	500 00	469 00	
New Westminst'r	23 Jan., 1880	G. Pettendreigh, acting		400 00	84 50	 ,
Quadra	17 Apl., 1877	John Kenney	17 Apl., 1877	300 Õ o	Nil.	 ,
Victoria and Esquimalt	20 Mar., 1875	Jeremiah Nagle	8 Mar, 1875	600 C0	264 00	

W.M. SMITH, Deputy Minister of Marine, &c.

APPENDIX No. 14.

REPORT OF THE PILOTAGE DISTRICT OF MONTREAL FOR THE CAL-ENDAR YEAR ENDED 31st DECEMBER, 1880.

Montreal, 4th January, 1881.

WILLIAM SMITH, Esq., Deputy Minister of Marine and Fisheries, Ottawa.

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, 1880.

An examination of apprentice pilots was held by the Commissioners' on the 9th, 10th and 11th ultimo, and at which thirteen candidates presented themselves, but only the following five were successful, and they have received their licenses as Branch Pilots, viz.:—Louis Mayrand, George Dufresne, Norbert Arcand, Uldoric Toupen and Tancrède Bouillé.

Joseph Barnabé dit Lafrenière, aged 67, in accordance with the 36th Section of

the Act, 36 Vic., cap. 54, was granted a license to pilot for a year.

Pilot Onésime Naud, the elder, aged 76, was superannuated on 1st January, and Pilot P. M. Mathieu, aged 61, was, at his own request, superannuated on 1st September 1985. ber, on account of failing sight.

There were no deaths amongst the pilots the past year.

The following

The following is a list giving the name and age of each pilot for and above the Harbor of Quebec, acting under authority of this Commission, with the earnings of each during the season of navigation of 1880:—

No.	Name.	Age.	Earnings.	Remarks.
			\$ cts.	
1	P. M. Mathieu	61	622 26	 Superannuated 1st Sept'r.
2	F. A. Mayrand	61	740 89	
	Joseph Leveillé Hector Hamelin	63 63	902 04	Superintendent of Pilots.
5	Zépherin Bouillé	52	1,641 19	
6.	i'. Gaillardet	65	703 99	
	Jos Barnabé dit Lafrenière Cyrille Bélisle	68 53	565 76 819 65	
9	Adolphe Lisé	51	57 3 29	Suspended for three months.
10	George Raymond	51	1,504 75	
	Augustin Nand	54 50	1,411 13 614 74	
	Athanase Outresae	47	1,365 81	1
	J. B. Derval	49	634 00	
15 16	L. N. Bouillé	5 t	1,000 00	Pilot steamer Montreal.
17	Pierre Gagnon	38 53	675 16 1,250 04	
18	Jean George Bélisle	41	658 76	
19 20	O. Naud	40	1,448 15	i
21	J. O. Hamelin	47 40	677 91 2,039 76	
	Louis A. Bouillé	41	1,388 01	
23	Fru lent Boudet	39	2,022 43	·
$\frac{24}{25}$	Elzéar Belisle	46	620 04	
26	Célestin Brunet	43 38	1,134 29 1,594 31	
27	Louis Belish	35	2,114 06	
$\frac{28}{29}$	Damase Caien	40	453 87	·
	Ultic Groleau	33 41	723 80 878 91	
	Alfred St. Arnaud	37	852 12	:
32	Philippe Bélanger	42	944 17	
	Victor Gagnon	42 43	849 18 1.451 91	
35	Trefle Toupin		738 39	
36	Cléophas Auger	34	1,544 90	
37 38	François DesjordyFerdinand Labranche	36	948 91	
39	David Perrault	35 39	1,115 11 854 27	
40	Alexis Gauthier	34	1,356 14	
41	Louis Z. Bouillé	32	1,269 46	
42 43	Joseph ToupinLaurent Gauthier	31 31	948 88 830 48	<u> </u>
44	Jean Arcand	28	721 30	
45	Delovie Nault	29	846 69	
46 4 7	Wilbrod Gauthier		961 15	Dennish d out Den 1999
48	George Dufresne	33 32		Branched 9th Dec., 1880.
49	Norbert Arcand	28		do 10th do
50 51	Ulderic Toupin	26		do 11th do
JI	Tauciède Bouilié	27		do 11th do
			47,040 06	1
	Pilotage paid at Three Rivers to various pilots.		844 89	
	Total		47,884 95	

The above amount was received from the following sources, viz:-

British Steamers		\$43,074	1.4
Foreign Steamersdo Sailing Vessels	219 39 4,591 42	ф 4 5,014	14
-		4,810	81
Total		\$47.881	95

The following list shows the name, age and residence of each apprentice serving his time under the authority of this Trust.

٧o.	Name.	Age.	Residence.
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Alphonse Cossette Nestor Arcand Gédéon Groleau Nèré Belisle Hubert Perrault Odilon Portelance Liboire Perrault John Naud Joseph Hurteau Wilfred Raymond Adolphe Richard Joseph Langlois Edward Perrault Lydéric Bouillé Elie Bouilié N. Edson Angers Honoré Dusseau Joseph Dusseau Narcisse Paquet J. B. Nadeau Arthur Brière	32 24 28 28 31 27 31 25 20 26 32 25 30 23 21 27 24 26 27 24 26 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Champlain. Deschambauit. Grondines. Deschambault. Montreal. iGrondines. Deschambault. do Contrecœur. Deschambault. Contrecœur. Pointe-aux-Trembles (en bas). Deschambault. do do do do Lévis. Portneuf.
22 23 24	Aubert Naud J. Sifroy Labranche Alexis Perrault		Deschambault. Portneuf. Deschambault.

The casualties on the river were all of a minor character with two exceptions.

On the 16th June, in the afternoon, the S.S. "Polynesian," in charge of Pilot Adolphe Lisé, went aground near Port St. Francis, and was obliged to lighter nearly her entire cargo before getting off; the vessel was not otherwise much damaged. An investigation was held, and evidence taken under oath, which went to show that the pilot was causing the steamship to be driven at too great and unnecessary rate of speed. The pilot was sentenced to be suspended from piloting for three months. He then made application to the Supreme Court for a writ of certification, which was refused.

then made application to the Supreme Court for a writ of certiorari which was refused.

On the 11th August the S.S. "Waldensian," Pilot Pierre Gagnon, grounded at Pointe-aux-Trembles en bas, and was considerably damaged, as was also a portion of her cargo. The agents made no complaints against the pilot as this portion of the river is not within the jurisdiction of the trust and is not properly buoyed, but asked that an inquiry be held. As the result of this inquiry it appeared the pilot was in the channel keeping his regular land marks, and that at the place in question it was always considered there was plenty of water, but owing to the opening of Cap la Roche new channel, vessels were enabled to load down two feet more than in previous years, and this was probably the cause of the accident. The Commissioners, therefore, decided that no action should be taken against the pilot, but ordered soundings

to be taken and placed a buoy to make out a channel suitable for the increased draft of water of the vessels.

On the 17th November the S.S. "Lombard," in charge of Pilot François Desjordy, collided with the barques "Farewell" and "Luis Martinez" in tow of tug "Challenger," and was driven ashore. She got off on the 20th without damage, having lightened a portion of her cargo. No complaint was made against the pilot.

On the 22nd November, about mid-day, the S.S. "Ottawa," Pilot Joseph Chandonnet, went aground between the old and new channels at Cap la Roche, the weather had been very cold and considerable drift ice in the river. In endeavoring to save the vessel a large portion of her cargo was jettisoned but without success, and she is now likely to become a total wreck. No complaint having yet been made against the pilot, the Commissioners have ordered an inquiry which will be held on the 7th instant with a view of ascertaining the cause of the disaster.

And on the same day, a short time afterwards, the ship "Boyne," Pilot Joseph Toupin, in tow of the tug "Champion No. 1," while endeavoring to pass through the old channel at Cap la Roche struck on a boulder and was so badly damaged that it was found necessary to beach her a short distance below Cap Charles, where she now lies a complete wreck. In this case also no complaint was made, and the inquiry has

been fixed for the same date as the above.

The maintenance of the buoys in the Richelieu River between St. John and Rouse's Point, and in the Rivière des Prairies, which devolves on the Commissioners, was duly attended to.

The fellowing is the tariff of pilotage now in force in the pilotage district of

Montreal:

Quebec to Montreal or vice versa.	Upwards.	Downwards.	
Pilotage of vessels in tow of steamer, for each foot of draught of water Pilotage of vessels propelled by steam, for each foot of draught of water Moving a vessel from one wharf to another in the harbor of Montreal or from	\$ cts. 2 00 2 50 4 20	\$ cts- 2 00 2 50 2 80	
Moving a vessel from one wharf to another in the harbor of Montreal or from foot of current into harbour	5 00	5 00	

The amount of receipts were as follows: -For poundage, which is five per cent. on the earnings of the pilots, \$2,394.23, including that on vessels coming only to Three Rivers. Interest on investments, \$1,836.96. Sundries, \$24. Total, 3,255.19. disbursements were \$2,166.57 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,

Secretaru.

APPENDIX No. 15.

REPORT OF THE PILOTAGE AUTHORITY OF QUEBEC FOR THE CALENDAR YEAR, ENDED 31st DECEMBER, 1880.

QUEBEC, 12th January, 1881.

Sir,-I have the honour to submit the following Report of the Quebec Harbour Commissioners, as pilotage authority, prepared in accordance with the provisions of the 24th section of the Act respecting Pilotage, 36th Victoria, chapter 54.

The operations of the year commenced on the 17th April, by the departure of eight pilots, who were sent by railway to the Bic station to join the Pilot schooner

No. 4.

Next day, the schooner No. 5 left with thirty pilots. She was followed on the 21st of the same month by the schooner No. 2. carrying twenty pilots.

The 3rd of May, schooner No. 1 took her departure with thirty-five pilots, and

seven days later she was followed by the schooner No. 3, with thirty pilots.

The service of all the pilot stations has been performed with satisfaction during the whole season. This year, the railway has been frequently used in order to supply the different stations that were now and then in need of pilots.

OLD PILOTS.

All the old pilots having attained the age of 65 and over were all summoned, under the authority of the law, to be examined before the opening of the navigation. Thirty-six came under its action.

Thirty-five were found able to continue to practice and their licenses were

accordingly renewed for one year.

One old pilot, Damien Boulanger, was declared unable to fulfil his duties on

account of his bodily infirmities, and was therefore placed on the pension list.

Three other old pilots, Anselme Marmen, Marcel Coté and Edouard Rousseau, Were also placed on the Pension List during the year.

TRIALS.

Six trials were held during the season, five of which on complaints lodged by Ship-masters and the other on two complaints of the Corporation of Pilots against one pilot for infringements of their regulations.

The annex No. 1 shows the particulars as to the nature of the complaint and the

result of the trial in each case.

DEATHS.

Three deaths have occurred, during the year, amongst the pilots on the Active List: Jean Baptiste Tremblay, Charles Poulist and Damase Babin.

APPRENTICE PILOTS.

After undergoing the usual examination, the following named five young men have been indentured as apprentice pilots: Moise Arthur Lachance, Frs. X. Lavoie, Joseph Talbot, Louis Thivierge and Lawrence Larochelle.

INCREASE OF PILOTAGE RATES.

The Commissioners, acting under the compulsory authority of the law, have, in March last, on a petition of the pilots, adopted a by-law to increase the rates of

pilotage.

This by-law has not been recommended to the sanction of His Excellency the Governor General on the ground that you were of "opinion that efforts should be made to reduce the number of pilots to 150, by abstaining from licensing any new pilots until the number has been reduced, and also by superannuating the old pilots who had arrived at such an age as would entitle them to expect rest and retirement."

The Commissioners, after consulting with their legal advisers, have established, that they could not, without amending the law to that effect, reduce the number of pilots by superannuating the old pilots and abstaining from licensing new ones until

the number has been brought down to the desired figure.

Referring to the superannuation of old pilots, we must bear in mind that it would be a hard thing to superannuate against their will, without offering any other compensation than an annual pension not exceeding one hundred and thirty dollars, old pilots still capable of performing their duties. It must be remembered also that most of them are depending entirely upon their earnings as pilots to support their families.

The annexures respectively numbered 2, 3, 4 and 5, contain the usual information that are yearly conveyed to your Department.

I have the honor to be, Sir,

Your most obedient servant,

A. H. VERRET,

Secretary-Treasurer.

Hon. J. C. Pope,
Minister of Marine and Fisheries, &c.,
Ottawa.

	•		
te on the Active List on the 31st December, 1880; Year; the Number Temporarily Suspended; the Government Steamers and those in charge of		Remarks and Gasualties.	Died in November. On the sick list almost all the summer. Employed by the Allan Line of Steamers.
Pilots for and below the Harbour of Quebe c off the Active List or Died during the Serve; the Number in charge of the	otages	Мотея ges.	∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞
	Number of Pilotages effected.	Outwards.	
	Num	lnwards.	
		Residence.	Green Island St. John, Island of Orleans, Quebec Go Go Green Island Ste. Petronille, Lévis. Ste. Petronille, Island of Orleans Ste. Petronille, Bellechasse Go Go St. Michel, Bellechasse Go Co St. Michel, Bellechasse St. Alier Quebec St. John, Island of Orleans St. Laurent island of Orleans St. Luce, Rimouski St. Luce, Rimouski St. Luce, St. Sauveur. St. Michel, Bellechasse St. John, Island of Orleans. St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans St. John, Island of Orleans Guebec
r of Pil. ruck of to Ser		Age.	5112115868888888865688866888668886688866
Statement showing the Number of Filots for and below the the Number who Retired, struck off the Active List or Number who were unable to Serve; the Number i Lighthouses, &c.		Лашев.	Edouard Petitgrew Joseph Pepin Charles Noiet Trea Sylvestre Thomas Couillard Després. Dominique Girard Edouard Marcoux Charles Pouliot Laurent Larochelle Laurent Larochelle Regis Menard Laurent Larochelle Lean Benier Lean Pouliot Fre. Vezina Helle Normand Helle Normand Alexandre Vaillancourt Hilaire Jorin Hilaire Jorin Joseph Pouliot Pris. Thivièrge Joseph Pouliot Historia Lebel Joseph Pouliot Fre. Thivièrge Joseph Pouliot Joseph Pouliot Hars Thivièrge Joseph Pouliot Joseph Pouliot Marcel Lebel Joseph Pouliot Joseph Pouliot Marcel Lebel Joseph Pouliot Joseph Pouliot Marcel Lebel Joseph Pouliot Joseph Pouliot Marcel Lebel Joseph Pouliot Joseph Pouliot Joseph Pouliot Joseph Pouliot Joseph Pouliot Joseph Pouliot
STATE:		Number.	563 1984 79 70 70 80 5112 214 73 71 78 55 78 78 78 78 78 78 78 78 78 78 78 78 78

Master of the Government steamer "Druid." Employed by the Allan Line of Steamers. Casualties and Remarks. Pensioned the 26th May. Master of one of the Pilot schooners, STATEMENT showing the Number of Pilots for and below the Harbour of Quebec, &c.—Continued. Pensioned the 12th May. တတ္တေတာ့က္တက္တက္တက္က **ာတေတာ့တာတတ္တ** ဘ တ တ ဃ တ တ **က က** Мочевдез. Number of Pilotage epiramino Green Island..... Ouebec..... St. John, Island of Orleans...... St. John, Island of Orleans..... Lauzon, Lévis Quebec, St. Sauvenr...... Lauzon, Lévis..... Quebec..... Notre Dame, Lévis..... Berthier St. Laurent, Island of Orleans... Green Island...... Ste. Agathe St, John, Island of Orleans Quebec Island of Orleans... Quebec, St. Sauveur. Michel, Bellechasse...... St. Jean Port Joly..... Quebec...... Residence. Ste. Petronille Age. Narcisse Forgues..... Pierre Pepin Pierre Lapierre Marcel Coté George Audet dit Lapointe..... Gabriel Lachance..... Antoine Lapointe Edouard Genest Anselme Marmen Magloire Delisle Joseph Dick..... Damase Babin oseph Boucher dit Morency ... Edouard Labrecque ouis Cottin Dugal..... ean Baptiste Talbot. Frs. Xavier Delisle..... Frs. Noel... Paul Langlois..... saie Marticotte...... rançois Dallaire..... Laurent Godbout Roy Pierre Ruelland...... aurice Pepin dit Lachance... David Bouffard Hubert Dumas..... Names. Pierre Numbers.

264

			,						
	Drowned the 30th August.	Pensioned the 14th July.	Master of one of the Pilot schooners. Employed by the Allan Line of Steamers.	Employed by the Alfan Line of steamers.	Employed by the Great Western Line of steamers.	Employed by the Dominion Line of steamers.	Employed by the Allan Line of Steamers. Master of Goverament Steamer "Napoleon III."	Employed by the Allan Line of steamers. One of the Directors of the Cornoration of Pilots	elected Chairman at last election. Employed by the Great Western Line of steamers.
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Mechim Notre Dame, Lévis. St. Laurent, Island of Orleans. St. Petronille, Island of Orleans Ouebec.	do St. Michel, Bellechasse	Green stand Quebec. Trois Pistoles. Notre Dame de Buckland. St. Michel, Bellechasse.	Cap St. Ignace	Ste. Luce, Rimouski Lauzon, Lévis. Baie St. Paul	St. John, Island of Orleans Quebec	and . coles.	St. Michel, Bellechasee	St. John, Lland of Orleans do do do do do Quebec	St. John, Island of Otleans Quebec
62 59 59 58 58 50 57	388	98.88 98.88	2 2 8 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8	5 22 0	51 52 49	8 6 4 5	3844 <u>2</u> 4	74 8 8 8 9 4 4 8 8 9 8 9 8 9 9 9 9 9 9 9	£4 4 4 4 £
			Fre. Coudreau. Jerémie Dufresne Joseph Blouin. Antonie Gobeil.		Louis Thivièrge			Eusrache Dorron	Moise Lachance Joseph S. Brown Hubert Raymond Achille Damour Cyrille Lapointe
68 83 88 88 88 88 88 88 88 88 88 88 88 88	3 223	4 4 7 2 E	2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	% 8 8 8 8 8 8	8 8 8 2 7 8	86.6.6.6	96 96 96 97	99 100 101 102	103 104 105 106 107 108

Quebec, &c.—Continued.		Casualties and Remarks.	One of the Directors of the Corporation of Pilots; "Ag re-elected at last election. Employed by the St. Andrew's line of steamers. Suspended for life the 3rd June. Employed by the Dominion Line of steamers. do Master of a Filot Schooner employed in Saguenay. Master of the Steamer "Polino." Employed by the Dominion Line of Steamers. Cone of the Directors of the Corporation of Pilots; re-elected at last the Corporation of Pilots; not re-elected at last election. Employed by the Allan Line of Steamers One of the Directors of the Corporation of Pilots; re-elected at last election. Employed by the Allan Line of Steamers One of the Directors of the Corporation of Pilots; re-elected at last election. Employed by the London Line of Steamers.
our of	ta ges	.es.g.evoM	• •
showing the Number of Pilots for and below the Harbour of Quebec, &cContinued.	Number of Pilotages effected.	.sb1aw1uO	0 60 16 6 1 1 1 8 4 8 8 8 1 6 2 6 8 0 1 8 0 0 0 8 8 0 8 9 4 1 1
		.sb1&WaI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Residence.	St. Michel, Bellechasse
ing the		Age.	7. 9442744884488888888888888888888888888888
STATEMENT show		Names.	Edmond Larochelle Ant. Thomas Chouinard Siméon Plante. Laprise Adelm Pouliot Adelm Pouliot Adelm Pouliot Bart. Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Pepin dit Lachance Joseph Curodeau Nazaire Curodeau Nazaire Curodeau Nazaire Curodeau Nazaire Lamare Joseph Gobeil Paul Gobeil Louis Honorius Lachance Louis Honorius Lachance Louis Honorius Lachance Joseph Gobert Demers Vital Ephrem Chamberland Joseph G. Dupil Joseph G. Dupil Louis Robert Demers Joseph G. Dupil
		n mper •	N
			200

Nation Age A					_	-		
S. K. Michel, Bellechasse	Employed by the Dominion Line of Steamers. On the sick list during the whole year.	Employed by the London Line of Steamers.	Employed by the Allan Line of Steamers.	Master of one of the Pilot schooners.			Master of the Red Island Lightship.	Employed part of the summer by the Gulf Ports Co.
35. Michel, Bellechasse		:-			ာဆင ဘတ	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
35. Michel, Bellechasse								
35. Michel, Bellechasse	း တစ္ဆ တ္လမ	, 8 11 6	000		81°0°1	.0891791	- თ თ ი თ თ თ თ თ	E66777877
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200	:::::::::::::::::::::::::::::::::::::::						* * <u>*</u> * : : : :	2 : 22 : : : : : : : : : : : : : : : :
	Str. Str. Str. Str. Str. Str. Str. Str.	St. John, island of Cricaus L'Islet. Notre Dame, Levis	Bienville, Lévis	Quebec St. Joseph, Lévis Bienville do Ste. Luce, Rimouski St. John, Island of Orleans	Quebec	Lauzon, Lévis Ouebec St. John, Island of Orleans Notre Dame, Lévis St. John, Island of Orleans do	St. Germain, Rimouski	Crane Island Ste. Pétronille, Island of Orlean Queboc Green Island Green Island Green Island St. Michel, Bellechasse St. John, Island of Orleans St. John, Island of Orleans St. Laurent, Island of Orleans St. Germain, Rimouski
Nestor Lachance Cyrille Audet dit Lapointe Edouard Turgeon Joseph Lapointe L'éandre Raymond Fierre Pepin dit Lachance Théophile Gourdeau Isiode Noël Jean Evariste Adam Affred Larochelle Théophile Corriveau Eztear Godbout Fierre Gobell Thos. Alfred Antil Thos. Alfred Antil Thos. Alfred Antil Thos. Alfred Turgeon Joseph Emile Couillard Achile Treffic Sansterre Addiard Sansterre Onézine Noël Louis Albert Royer. Addiard Sansterre Addiard Sansterre Louis Honoré Lapierre Joseph Eufene Lachance Seph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Eugene Lachance Joseph Joseph Eugene Louis afast Trellé Delisle Jean Bapuiste Gouillard Chs. Yetch Gourdeau Louis afast Philéas Langlois Nazaire Delisle Joseph Dion. Falaxis Vezina Adjutor Baillargeon Samuel Rioux Chs. Oct. Clavet Louis P. Lavoic Leonis Labrecque Lachance Louis P. Lavoic	32 32 32 32 33 34 35 35	9 8 8 8	3 22 23 23 23	38 28 28 28 28 28 28 28 28 28 28 28 28 28	88888	888888	22 22 23 25 25 25 25 25 25 25 25 25 25 25 25 25	288 272888
	Nestor Lachance	Isiode Noël Jean Evariste Adam Affred Larochelle	Theophile Corriveau	Thos. Affred Antil	Joseph Emile Couillard Louis Albert Royer Adélard Sansterre Onézime Nocl	Napoleon balliargeon	Jean Théophile St. Laurent Jacques George Dugas Lous ditas Trellé Delisle Jean Baptiste Couillard Obs. Pelletier Jos. ditas Philéss Langlois Nazaire Delisle	J. E. Bonaventure Lavote Adaris Vezina Adjutor Baillargeon Samuel Rioux Ohs. Oct. Clavet Joseph Dion Paul Lachance Arcadius Jouvin Léon Labrecque

Casualties and Remarks. STATEMENT showing the Number of Pilots for and below the Harbour of Queb.c, &c.-Continued. ထတ္ထ Movages. Number of Pilotages effected. Outwards. Inwards. Age. 2222 Names. 189 190 191 192 Number.

A. H. VERRET, Secretary Treasurer.

Certified,

Statement of Trials held during the Year 1880, before the Quebec Harbour Commissioners, under the Act respecting Pilotage, 36 Vic., chap. 54.

Names of Pilots tried.	Nature of Complaint.	When Complaint lodged.	Date of Trial.	Result.
Siméon Plante	For having on the 24th May ran ashore the ship "Our Annie" on the west end of Green Island, and having caused the wreck of said ship.		3rd June	Found guilty and sus- pended for life.
Pierre Roy	For having on the 25th May ran ashore the ship "Algiers" near Crane Island.	26th May	10th June.	Acquitted on the ground that no proof of neglect had been made against the Pilot.
Pierre Lapierre	For having on the 13th June ran ashore on the Beauport Flats the ship "Telefon."	14th June.	5th July	Case dismissed.
Michel Guénard	Two complaints for having infringed the regulations of the Corporation of Pilots.	9th Aug	12th A ug	Found guilty; fined \$20 and costs in each case.
	For having on the 16th September ran ashore the ship "Auldhill" on White Island Reef, and having caused the wreck of said ship.	1 1	30th Sept.	Acquitted on the ground that no proof of neglect had been made against the Pilot, the Commissioners having been of opinion that the loss of the ship had been caused by circumstances beyond his control.
François Noël	For having on the 20th September brought to anchor the ship "Mixjam," off Cape Bergeron, in such a position that on a falling tide the ship grounded on a bed of rocks.		30th Sept	Acquitted on account of his long and clear record—no complaint having ever been lodged against the Pilot, who is 70 years of age.

Certified.

A. H. VERRET, Secretary-Treasurer.

List of Apprentice Pilots acting immediately under the Quebec Harbour Commissioners' Pilotage Authority, on the 31st December, 1880.

No.	Names.	\mathbf{W} hen	Inde	entured.	Re	marks.
1	George Dugal	April		1871	Absent since	the fall of 187
2	Ernest Nolet	March		1874	do	do 187
3	François Goudreau	do		1874.		
4	Arthur Koenig	do		1874.		
5	Eugène Anctil	do		1874.		
6	David Dumas	do		1874.		
7	Joseph Lachance			1874.		
8	Paul Paquet	do		1874.		
9	Alphonse Pouliot			1874.	l	
.10	Prudent Marmen			1874.	Į	
11	Elzéar Normand	do		1874.	1	
12	Jean Bernier			1874.	i	
13	Pierre Fontaine	do		1874.	i	
14 15	Joseph Paquet	do		1874.	}	
16	J. Alphonse Lachance			1875.	1	
17	Arthur Baillargeon			1875.	1	
18	Arthur Pelletier	do		1875. 187 5.	ł	
19	Joseph Vézina		14,	1875.	(
20	William Irvine.			1875.	l	
21	Caius Fortin.			1875.		
22	Elzéar Desrosiers			1876.		
23	Jules Asselin			1876.	1	
24	Fredérick Bouffard			1876.	l .	
25	Alfred Dion			1877.	}	
26	Lucien Lachance.			1877.	1	
27	Odilon Lapierre	do		1877.		
28	Camille Bernier	July		1877.		
29	Moise Blouin	do	11,	1877.	1	
30	Moise Godbout	do		1877.	ì	
31	Alfred Goudreau	do		1877.		
32	Alfred Raymond	do	11,	1877.	•	
33	Philias Lachance	do	11,	1877.	1	
34	Moise Arthur Lachance			1880.	İ	
3 5	François Xavier Lavoie			1880.		
36	Joseph Talbot			1880.	İ	
37	Louis Thivièrge	Oct.	20,	1880.	1	
38	Lawrence Larochelle	do	20,	1880.	Į.	

Certified.

A. H. VERRET, Secretary-Treasurer.

F. X. Dion, Current Account with the Corporation of Pilots of Quebec, to 31st December, 1880.

			-4- 1	ł	T	e	-4-	\$	
-	Assets.	\$	cts.	ļ	LIABILITIES.	ှ	cts.	Ф	cts.
To B	alance of 1879	505		By		1,866	06		
	eserve Fund of 1879	1,000		ì	To be deducted— Rept from Messrs. Dawe &		. !		
M	oan ontreal Customs	700 48,093		1	Jarvis	230	50		
	hree Rivers Customs of	40,000	63	ļ	0 41 113 ********************************	200	:	1,635	56
	1878	53	00	į	Pilots' expenses	777	77	-1	
	hree Rivers Customs	2,006	43	1	Less received from		1		
C	hicoutimi Customs of		.	l	Allan, Rea & Co\$114 00		ĺ		
	1878	120		l	From sundries 1 25	115	0		
	hicoutimi Customs	1,197		1			25	669	52
	ilotage collected at	100	10 1	1	Schooners' expenses	1,811	02	002	54
-	Quebec	97,752	69	i	Less sale of old sails, &c		26		
P	ilotage collected by	01,.02					1	1,712	76
_	sundry Pilots	72	68		Provisions	3,981	81		
	ines	28 0		1	Less sold to sundry Pilots		_		
ı,	oss time	1,862	67	!	and Captains	209	71	2 770	10.
	1			1	Rent, L. T. McPherson	713	62	3,772	13
	}			I	Less amount received		00 1		
	i			İ	2005 amount received		!	6 83	62
					Shares on schooners-	l	1		
	ľ		i	1	Paid to retired or deceased		- 1		
	J.		ļ	}	Pilots	••••••	•••••		00
	1		1	j	Apprentices' wages	••••••	\		89 · 22
	į		,	}	Cooks' wages Special expenses for tariff—	•••••••		500	- 42
	Į.		1	ì	To Solicitor	200	co		
	1		1	1	Travelling expenses to				
	į				Ottawa	54	50		
	i		,					254	50
	Į.		1	i	Pilotage—Refund made to		. 1		
	i			1	vessels which paid double		- 1		
	1			1	and difference on draught of water		. 1	450	21
	i			1	Interest on loan	420	00 1	100	. ~.
	1			Ì	Less received by the National				
	1			l	Bank	184	95		
	ţ							235	05
				ļ	Indemnity to Directors and		1	000	
					Captains	*********	*****	1,850	00
				1	Employés salaries Decayed Pilot Fund—		••••••	1,000	. 00
				i	At the rate of 7 per cent	! !	Ì	10,452	70
	i			1	Dividends			127,126	
	1			1	Reserve Fund		j	1,000	
				1	Balance		•••••••	672	69
				1			1	152 744	- CF
		153,744	85	ll]	153,744	1 00

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.

ALFRED LAROCHELLE, ADJUTOR LACHANCE, Auditors.

Date of the closing of the Harbour of Quebec, in the autumn of 1879, 28th November.

Date of the opening of the navigation in the Harbour of Quebec, and below, in 1880, 3rd April.

Date of the opening of the navigation in the Harbour of Quebec, and above, in 1880, 30th April.

Date of the closing of the Harbour of Quebec in the autumn of 1880, 27th November.

Certified,

A. H. VERRET,

Secretary-Treasurer.

APPENDIX No. 16.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ST. JOHN, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

St. John, N.B., 5th January, 1881.

SIR,—I have the honour of handing you the Returns of Pilotage Accounts, etc., for year ending 31st December last.

I am, Sir,

Your obedient servant.

J. U. THOMAS.

To WM. SMITH, Esq., Deputy Minister of Marine, &c., Ottawa.

Secretary.

OFFICE OF PILOT COMMISSIONERS, DISTRICT OF ST. JOHN, N.B., 31st December, 1880.

Receipts and Expenditure for the year ending this day:-

Receipts.

•		
Licenses—41 pilots, at \$5	\$205	00
" 7 pilot boats, at \$10	70	
25 cents per foot on outward pilotage from ship from	•	
this port	2,304	07
25 cents per foot on outward pilotage for ships from	-,001	•
Musquash	72	75
Outward pilotage on ships going to sea without pilots.	121	• -
Interest on Dominion bonds to March	87	• -
Three est on Political bonds to March.,	01	
Total	\$ 2.861	07
2000.000	V =,001	•
${m Expenditures.}$		
Pensions—5 pilots superannuated	\$700	00
" 4 widows and children	406	-
Auditors' fees last year	25	
Legal expenses		00
Examining fees	35	
J. & A. McMillan, printing		00
Painting sign for office		75
	800	
Secretary and Treasurer	200	
Rent, fuel, light, &c	200	UU
Total	\$2,192	75
Balance	\$668	32

J. U. THOMAS, Secretary-Treasurer. Office of Pilot Commissioners, District of St. John, N.B., 31st December, 1880.

Returns of Vessels piloted into and out of this District, for the Year ending the 31st December, $1880\colon\!\!-\!\!\!-$

Schooners Brigs and Brigantines Barques Ships Steamers	279 95 202 67	.	
Total	647	,	
Pilotage received		\$29 ,691	60
British.	•		
Schooners Brigs and Brigantines Barques Ships Steamers	104 80 133 40		
Total	359	•	
Pilotage received		\$16,770	35
For eign.			
Schooners Brigs and Brigantines Barques Ships Steamers.	175 15 69 27 2		
Total	288		
Pilotage receivedJ. U. TH		•	25

Secretary-Treasurer.

Office of Pilot Authority,
District St. John, N.B., 31st December, 1880.

Rates of pilotage chargeable on vessels.

INWARD.

1st D	istrict.	per foo	ot	81	00
2nd	do	do	#*************************************		25
3rd	do	do	***************************************	1	50
4th	do	do	4.0000 . 111	1	75
5th	do	do	*****************************	2	25
			274		

OUTWARDS.

From Harbor to outside of Partridge Island, \$1.25 per foot.

Down the Bay of Fundy, when required, \$2.00 per foot, in addition to the outward pilotage of \$1.25 per foot.

HARBOUR OF MUSQUASH-INWARD.

1st District, \$1.75 per foot, and 25 cents per foot additional for each District boarded beyond the said 1st District. Outward, \$1.00 per foot.

TRANSPORTING VESSELS IN THE HARBOUR.

Vessels	not c	ver	100 tons		\$1	50
				200 tons		
	do		do	300 do	3	00
				400 do		
			nal for every 50 ton			

PILOTS for the District of St. John, N.B., for the Year ending 31st December, 1880.

Name.	Age.	Place.	Name.	Age.	Place.
Thomas Traynor Samuel Rutherford. George P. Mulherrin. James Cassely Edward J. Fletcher John Spears (2nd). Thomas Vaughan Joseph Doherty John L. C. Sherrard. James Doyle Henry Spears John Thomas Patrick Traynor. Thomas Doody James Murray Henry Thomas John Scott John Sproul. Richard Scott	34 54 34 62 34 47 447 430 33 54 33 40 50 64	St. John, N.B do do do do do do do do do do do do do	Patrick Conlin. James Reed, Jr. John Spears (3rd). Charles Daley. William Lahey. Richard Cline. James McPartland Daniel Daley. James S. Spears. Thomas John Stone. Michael Garrity. John Traynon. Robert Thomas. William Quinn. Daniel Mulherrin. William Miller. Samuel L. Satton. Alfred Cline William Scott.	45 51 56 47 52 36 28 58 30 40 34 55 30 32	St. John, N.B do do do do do do do do do do do do do

J. U. THOMAS,

Secretary-Treasurer.

APPENDIX No. 17.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF BATH-URST, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

BATHURST, N.B., 6th December, 1880.

SIR,—Owing to Mr. Adams having left Bathurst it became necessary for the Pilotage Authority for the District of Bathurst to appoint another secretary in his stead, and at a regular meeting, held on 2nd inst., they appointed the writer to whom you will please address all communications in future.

Enclosed you will please find the usual yearly report, which I trust you will find

in order.

Your obedient servant, EDWARD HICKSON.

	STATAMENT showing No	umper c	Number of Vessels brought from and taken to Sea by each Pilot, and Amount of Fees received.	ought fr	om and take	n to Ses	by each Pil	ot, and	Amount of F	es rec	sived.
		Briti L	British Vessels, Inwards.	Britis	British Vessels, Outwards.	Foreig	Foreign Vessels, Inwards.	Forei Ou	Foreign Vessels, Outwards.		Total
Š.	Names of Pilots.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	A 688e	Fees.
			e cts.		\$ cts.		\$ ets.		S cts.		& cts.
7	1 Timothy Daly	m	42 00	m	40 00	91	157 50	10	151 70	13	391 20
a	2 William H. Daly	•				:					
ო	3 Fabien Hachey	:						-	12 80	-	12 80
4	4 Nazare Hachey	<u> </u>	•			0	143 20	o,	136 60	6	213 80
×	8 Frederick Ronalds	-	12 60		11 00	∞	122 00	œ	113 20	6	258 80
•	6 William Egan	:									
	Total	4	24 60	4	51 00	27	422 70	28	414 30	32	942 60

APPENDIX No. 18.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF BUCTOUCHE, N. B., FOR THE CALENDAR YEAR ENDING 31st DECEMBER, 1880.

BUCTOUCHE, 3rd January, 1881.

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

SIR,—In accordance with your notification of 9th ult., and as required by the provisions of the 24th Section of the Act 36 Victoria, Chapter 54, respecting Pilotage, I herewith transmit to you the Pilotage Returns for the District of Buctouche for the year ending Dec. 31st, 1880, which I hope you will find satisfactory.

I am, Sir, your most obedient servant,

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

PILOTAGE Returns, District of Buctouche, Province of New Brunswick, for the year 1880.—Act 36, Victoria Chapter 54, Section 24:—

1st. Names and ages of Pilots licensed:-

John S. Dixon	Age	47	vears.
Frederick Legere			"
Caliste Legere	"	47	"
Thadee Pellerin	"	44	"
Matthew Smith	"	41	"
John G. Smith	"	34	"
Alfred Smith	"	33	46

Alfred Smith, the last named pilot, died in the early part of the shipping season-2nd. The above-named pilots are all licensed to undertake the pilotage of vessels of every description within and throughout the Pilotage District of Buctouche.

3rd. Pilotage dues are charged 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.

4th. Total amount of Pilotage dues paid, \$228.00, of which there was received from British vessels, \$116.25, and from Foreign vessels, \$111.75; all at the rate of \$1.50 per foot for inward and outward pilotage.

5th. The pilotage dues, as above, were paid to the different pilots who per-

formed their duties as such to the respective vessels.

The balance of ten dollars, reported in last Return as being in the hands of the Pilotage Authority, remains the same, no new licenses having been granted or expenses incurred during the year.

JOHN C. ROSS,

Secretary to Buctouche Pilotage Authority.

Buctouche, N.B., 3rd January, 1881.

APPENDIX No. 19

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CARAQUET, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

CARAQUET, N.B., 5th January, 1881.

SIR,—Enclosed herewith I beg to forward the Pilotage Returns for past year, which I trust will prove satisfactory.

I have the honor to be, Sir,
Your obedient servant,
PHILIP REVE,
Secretary to the Pilotage Authority.

WM. SMITH, Esq.,
Deputy Minister of Marine,
Ottawa.

LIST OF PILOTS FOR THE DISTRICT OF CARAQUET, 1880.

No. 1. Gervais Poulain.

" 2. Alexander Campbell.

" 3. Xavier Poulain.

" 4. Théotime Gesnet.

" 5. Edward Savois.

The following vessels entered and left the ports of Caraquet and Shippegan during the year 1880:—

Gervais Poulain, Pilot-

Brigantine "85," from Paspebiac, 19th May, 1880, registered in Jersey, 137 tons, Captain Briard.

\$24 10

Gervais Poulain, Pilot-

Barque "Henrietta," from Liverpool, 22nd May, 1880, registered in Christiansund, tons, Captain C. N. Bull.

Pilotage inwards, 12 ft., at \$1.20	14	4 0
Moving her to loading berth	2	00
" deeper water	2	00
Pilotage outwards, 17½ ft., at \$1	17	5 0

\$35 90

Gervais Poulain, Pilot-			
Brig "Union," from Paspebiac, May 23 and 26, 1880, registered tons, Captain LeDain.	l in	Jersey,	193
Pilotage inwards, 12 ft., at \$1.20	\$14 9	40 50	
	\$ 23	90	
Gervais Poulain, Pilot—			
Barque "Sarah," from Liverpool, 14th June, 1880, registered in Captain F. Kufling.	Laur	rie, 569 to	ons,
Moving her to deeper water			
	\$ 19	50	
Gervais Poulain, Pilot-			
Barque "Jessy," from Liverpool, August 13 and September Drammen, 383 tons, Captain Gundersen.	4 , r	egistered	l in
Pilotage inwards, 9½ ft., at \$1.20.			
Moving vessel to loading berth	. 2 . 15	00	
	\$28	40	
Gervais Poulain, Pilot—			
Brigantine "S. Bulade," from Togo, August 28 and November Jersey, 99 tons, Captain Ph. Alexander.	15,	registere	d iI
Pilotage inwards, 9 ft., at \$1.20	\$ 10	80	
Pilotage outwards, 11 ft., at \$1	11	00	
Gervais Poulain, Pilot—	\$ 23	80	
Brigantine "Diton," from Paspebiac, 30th August, 1880, recarlisle, 78 tons, Captain Lerllarghand.	gist	ered in	Nev
Pilotage inwards		9 00	*
	R19	 8 00	
Gervais Poulain, Pilot—	₩1,		
Barque "Sarah," from Liverpool, 2nd October, 1880, registere tons, Captain Kufling.	d in	Laurie,	56
Pilotage inwards, 12 ft., at \$1.20. Moving her from loading berth. Pilotage outwards.	• • •	2 00	
	_		

Joseph Poulain, Pilot—
Barque "Sarah," from Liverpool, 22nd May. Pilotage inwards, 12 ft., at \$1.20
\$16 40
Joseph Poulain, Pilot—
Barque "Vestalenden," from Bristol, 4th June, 1880, registered in Norway, 4tons, E. Olsend, master.
Pilotage inwards, 12 ft., at \$1.20
" " deeper water
\$ 36 00
Theo. Geonet, Pilot—
Barque "Bjorviken," from Berwick, 28th July, 1880, registered in Norway, 5 tons, Captain Harris.
Pilotage inwards, 12 ft., at \$1.20
\$34 4 0
Theo. Geonet, Pilot-
Schooner "Charlotte," from Jersey vid Tighera, 10th August, 97 tons, Capta Sohier.
Pilotage inwards, 10½ ft., at \$1.20
\$22 10
Xavier Poulain, Pilot-
Barque "Mored," from Emden, 28th May, 318 tons, Captain Andersen.
Pilotage inwards, 12 ft., at \$1.20
" " deeper water
\$33 40
Xavier Poulain, Pilot—
Barque "Victor," from Norway, 12th June, 1880, registered in Tonsburg, tons, Captain Leversen.
Pilotage inwards, 13 ft., at \$1.20
Pilotage outwards, 19 ft., at \$1
\$38 60 281

PORT OF SHIPPEGAN.

Gervais Poulain, Pilot-

Schooner "Gleaner," from Cadiz, August 24, registered in Guernsey, 93 tons, Captain Deace.

Pilotage inwards, 12 ft., at \$1.20.....\$14 40 No return for pilotage outwards.

Schooner "Willing," of Jersey, entered the harbour without a pilot and was piloted outwards by Edward Savois, who has sent no return; the pilotage would be \$10.

APPENDIX No. 20.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CO-CAIGNE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

COCAIGNE, KENT Co., N.B., 12th January, 1881.

SIR,—We, the Pilotage Authority for the Port of Cocaigne, in the County of Kent, in the Province of New Brunswick, have the honour to lay before you our Pilotage returns for the above named Port.

1st. Licensed Pilots-

	Ages.
Eustache Martin	43
Sylvain Hébert	46
Camille Duprez	47
Eustache Hébert	39

- 2nd. Each Pilot receives \$1.40 per foot draught of water for piloting vessels in and out of the Port of Cocaigne.
- 3rd. Received from British ships, \$53.20; from foreign ships, \$39.20; total, \$91.42.
- 4th. Received from Pilots, \$8.00.

We have the honour to be, Sir,

Your obedient servants,

THEOPHILUS BILODEAU, JOHN BROOK,

Pilotage Authority.

Hon. J. C. POPE, Minister of Marine and Fisheries, Ottawa.

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Date.	Where spoken or	Name of Vessel	Name of	Nationality.	Draught of Draught of mil. of Mater, Inwards. Water, Outwards at the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the mater of the material of the ma	of rards.	Draugh Water, Out	t of twards	her under or sail, or to work a to work a mer.		Amount of Pilotage.
	boarded.	in the state of th	Captain.		Forward.	Aft.	Forward. Aft. Forward. Aft.	Aft.	ota ni sota		Inwards. Outwards.
1880					Feet.	Feet.	Feet.	Feet.		ets.	e cts.
May 22	In Pilotage District	Nav 22 In Pilotage District "Broclove Clauson," Brig H. U. Polson Norwegian	H. U. Polson	Norwegian	Ť6	91	14	14	14 Sail	14 00	19 60
Aug. 16	do do	"Hannah," Brigantine W. Boyon English	W. Boyon	English	To To	\$	13	13	ор	9 10	16 80
40 17	g g	"Beta," Brigantine J. H. Walsh	J. H. Walsh	9	-	72	13	12	ф ор	10 50	16 80
do 26	g op	"Fido," Brig R. Thorson Norwegian	E. Thorson	Narwegian	10	10	14	41	ф	14 00	19 60
Sept. 27	ор	"Alice Ads," Barkentine T. Outhouse Buglish	T. Outhouse	Bnglish	01	10	14	14	do	14 00	19 60
284						E E	EUSTACHE MARTIN, CAMILLE DUPREY,	E MA	REY,		
						7	TATA TATA		, Elen	2217	•

SYLVAIN HEBERT, EUSTACHE HEBERT,

AUPENDIX No. 21.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RESTIGOUCHE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Dalhousie, 31st December, 1880.

Sir,—I beg to enclose the Report of the Pilotage Commissioners for the year ended this 31st December, 1880.

I am, Sir,

Your obedient servant,

DANIEL RITCHIE,

Secretary, Pilotage Commission

To the Hon. Minister of Marine and Fisheries, Ottawa.

RETURNS for the Pilotage District of Restigouche, for the Year 1880.

Total.		ets.										34 50							25.00				14 70								20 00	32 00	23 80	23 00
Rate.		& cts.	-	38	88	80	1 00	1 00	02.0	1 50	0,10	202	1 50	0 70	0 20	00 1	26	36	38	0 20	1 00	0 10	0.0	36	2 9	3 2	3 5	202	1 50	1 00	1 00	1 00	02.0	38
Draught.	Out.	F.			: 5	3 2	12	20	9	15	1.	13	18	164	13	13	200	2 5	2 0	22	164	13	13	 8:	5 6	91	201	1 12	127	91	12	19	28	13
Dra	i	Ħ.	-	1:	1 7	7	2	12	=	:=	=	7 01	12	111	ð	10	7:	7.5	137	-	=	2	∞ ;	2.	» <u>-</u>	11.	C1 L	- =	13	17	••	13	#:	* 9
.92	, паоТ		7.	244	214	1.284	550	655	533	555	459	271	558	387	241	275	534	200	647	187	455	332	192	748	147	200	000	244	589	718	224	817	808 8	289
Whence.				Norman	Limernool	do do	Drammen	Sandifiard	Drammen	Swansea	Antwern	Portrush	Drammen	Liverpool	Kinsale	Aberstraith	Liverpool	Paspeblac	Chester	Madraa	London	Fleetwood	Teneriffe	Liverpool	Scotland	Liverpool	NA.	Falmonth	Liverpool	La Rochelle	Whitehaven	Liverpool	Condon	Verpool
Master.			-	Hensen	Tonge	Rogital	Kvensen	Nielson	Stokke	Wankee	Christensen	Watt	Peterson	Gillensen	Fergisen	Jenkins	Harper,	Carceau	Holroven	Morris	Schultz	McTaggart	Randell	Gordon	Wedgewood	Haineld	Mores n	Christensen	Rull	Davis	Johnson	Gray	Brown	dones
Register.	D		-	Canadian	-		Norway	do				British	Norway	do	ф	British		op	Norway		German	British	ор	Canadian	British	op	Norway	Norman	do may	Rritiah			:	Canadian
Name.				H. Hatheld	Bullia	HERDELLA	ying roam		Conhie	A Thomas	Deamen	Passar	450		rmor		Patriot Queen		culda		Bertha				Ins	enilworth			Horniotte			Recovery		Annabella
S.						Office					:	Rrigantina	Bridge	Barone					do	Qui montino	Sardue	ор			Brigantine	Barque	do	Brigan une	היים היים היים	90	Srigantine	Sarque	- do	Ship
Date.				Мву			96	, ,				2			0		op	do		9-6	July	do,	do	August	ę,	op.	9	op 7	Dept	96	do l	do	do	 9
Xo.				- -			_					, c		12	_		15	16	17	9 0						52	9 2					32	33	7,0

45 75 19 60 24 00 23 00 18 90 14 70 26 25 35 00 15 40	1,193 10
1 50 1 00 1 00 1 00 0 70 0 10 0 10 0 70	
194 15 14 13 16 10 10 21 21	
11 10 10 10 11 14 14	
634 796 796 588 532 410 206 323 1,043 1,043	22,614
Liverpool London London Belfast Liverpool London London London London Barrow Barrow Liverpool Liverp	
do	
Norway Norway do do do do do do do do do do do do do	
liat Queen	Totals
37 Sofa 38 Sofa 38 Tinc 10 Right 11 Right 12 Sumr 13 Quee	
36 33 38 39 44 44 45 45 45 45 45 45 45 45 45 45 45	

D'I-4-	A	Services.	Licenses.
Pilots.	Age.	Dervices.	пистьев.
Donald McNeil	41	Piloting.	\$10 00
Robert McNeil	36	do	10 00
William Elsliger	5 3	do	10 00
Andrew Elsliger	51	do	10 00
			\$40 0 0
License blanks for Pilots and the Blanks for pilotage and ship rep Balance voted Secretary	orts	······································	\$40 00
		ROBERT MOI	
			Chairman.
		DAVID RITC	HIE,
			Secretary.

APPENDIX No. 22.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CHARLOTTE, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

St. Andrews, New Brunswick, 31st December, 1880.

SIR,—I have the honour to enclose you herewith Returns of Pilot Commissioners for the County of Charlotte, for year ended 31st December, 1880.

I am, Sir,

Your most obedient servant,

C. B. 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 CALENDAR YEAR MINDED 31ST DECEMBER, 1880.

Name of Pilot.	Age.		For what District	licensed.
Cline, William	70		Pilotage District	of County.
Cline, Wellington	39		do	do
Boyd, Joseph	45	*********	do	do
Conley, Thomas	5 0	•••••	do	до

Pilot Sloop "Pilot" 1,180 tons, licensed for one year for the Pilotage District of County.

Amount of Pilotage received by Pilots for Current Year.

From British vessels		
m . 1	44.400.40	-
Total	\$1,182 00)

Receipts by Commissioners.

do ¯	one licenseone do for pilot boat	5	00
	-		
	Total	R15	00

Charges.

Paid stationer Expenses of C	ommissioner a	ıt St.	George and	St. Steph	ens	\$1 7	00 00
do missioner	do		Andrews,			7	00
	Total				 \$	15	

Rates of Pilotage for County of Charlotte.

Longest 1	oilotage distance,	inwards or outwar	ds	\$2	25	per foot.
Second	do	do	• • • •	1	60	do
Third	do	do	• • • •			do
(From	or to Campobello	o, 20c. per foot less	than	abo	ve i	rates.)

Fourth pilotage distance, inwards or outwards.... 1 90 per foot. From 1st of November to 1st of April, 20c. 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, vessels up to 200 tons, \$4; over 200 and up to 300 tons, \$5; over 300 and up to 400 tons, \$6; over 400 tons, \$8.

River pilotage, St. Andrew's Bay to any harbour in the county, vessels under 200 tons, \$6; 200 and under 300 tons, \$8; 300 and under 400 tons, \$10; over 400 tons, \$12.

C. E. O. HATHEWAY,

Commissioner, Aling Secretary.

St. Andrews, N.B, 31st December, 1880.

APPENDIX No. 23.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF MIRAMICHI, N.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

NEWCASTLE, MIRAMICHI, N.B. 18th December, 1880.

Sir,—I have the honour to acknowledge the receipt of your letter dated the 9th instant, and in compliance with the request therein contained, I herewith beg to hand you the Pilotage Returns for this District for the year 1880.

I am, Sir,

Your obedient servant,

R. R. CALL,

Secretary Pilotage Commissioners.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa, Canada.

Statement of Boats and their Tonnage, &c., Licensed by the Pilotage Authority of Miramichi, for the Year 1880.

No.	Name.	Ton- nage.	Captain's Name.	When Licensed.	When Renewed.
5 6 7 9 11 12 13	Spy Industry. Telegraph Phantom Advance White wing May Queen Peter Mitchell Two Brothers Empress Princess Louise	16 00 20 00 20 00 23 00 20 00 22 56 26 10	J. McCullam. Mitchell Martin. Jas. A. Nowlan. Jas. Walls. Ang s McEacheran. Maxime Martin. Allan McEacheran. Jos. Jimmo Wm Tait. Francis Martin. Dudley Walls.	do	do do do do do

	Brit I	British Vessels Inwards.	Brit O	British Vessels Outwards.	Fore	Foreign Vessels Inwards.	Fore	Foreign Vessels Outwards.		Total
Names of Filots.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	No.	Amount of Fees.	M fatoT aV to	Amount of Fees.
	-	e cts.	 	S cts.		S cts.	 	\$ cts.	8	es cts
Jours Jimmo	7		4 KS	78 62	<u> </u>	283 50	= °	271 87	270	633 99
Angus McEacheran	4		x	261 62	·		15		33	
Mitchell Martin	~	42 75	0		0[274 50	14	471 75	27	
Francis Martin	~ 6	19 12	59 G	59 75	Ξ°	297 00	16	509 62	39	876 49
Alex Martin	4 ~	27 00	9		0 40	25 797		70 767	75	
Angus McLean.	1 67		67		ေမ	158 62	6		. 61	
Alex. Wilson	4		າດ		=		6		23	
Robt. Walls	*		rç o	164 87	6		13		8	
George Savoy	24 0		:71 6		<u> </u>		91		9 3	
Colon Mokenberg	4 <	101 95	7 -	00 80	2 -	900 95	2 =		27	691 50
Charles Mol. sen	H		٠-		- 01		1		α	
John Brown.	3		- 10	133 75	3 (1)	79 87	F 67	67 00	. E	351 49
James Walls	-	29 25	ო	109 00	13	320 62	17		33	18 686
Wm. McEacheran			:		4		-		4	
Oliver Foster			***************************************	•	01		~		17	
M. Muzerull	63		c3 ·				4		∞	
William Walls.	9		9 1		œ (212 62			27	
William Talt	4.1		0 1		n ;		12		96	
Alian McKacheran.		187 (2)	G -	C/ 021	90	279 00		113 00	97.	699 50
Jours Nowles	o 4		×C		٠.		- 1-		. 67	
Dudley P. Walls	۲		o er		=				25	
George Sutton	2				. ∝		00		19	
James A. Nowlan	. 63				~		· œ		17	
George Tait	63	49 50	63		15		11		80	
Jos. Jimmo, jun	9		က	72 62	2		9		23	
James McCallum		•	-	_	∞		4		13	
Allan McEacheran, jun	-	28 12			7		<u></u>		e ;	139 74
John Martin.	~		:::::::::::::::::::::::::::::::::::::::		13		<u>:</u>		14	
Asa Walls	3	1			8			1.000001 20000 10000	=	
	92	1,853 96	79	2,341 78	279	7.641 31	272	8 757 81	706	20.594.86

PILOTAGE RETURNS for Miramichi District, 1880.

No. of License.	Name of Pilot.	Age.	For what Service granted
1 2 4 5 6 7 8 9 10 11 12 13 14 15 17 18 19 20 21 22 23 24 26 27 28 29 30 31 32 33 34 35 36	Joseph Jimmo Louis Jimmo Angus McEacheran Mitchell Martin Francis Martin Maxime Martin Maxime Martin Alexander Martin Angus McLean Alexander Wilson Robert Walls George Savoy Reuben Nowlan John McEacheran Charles McLean John Brown James Walls William McEacheran Oliver Foster Michael Muzerall William Tait Allan McEacheran John McCullam James Nowlan Jomes Nowlan John McCullam James Nowlan George Sutton James A. Nowlan George Tait Joseph Jimmo, jr James McCullam Allan McEacheran, jr John Martin Asa Walls	26 61 51 46 35 47 34 29 36 36 30 41 69 63 39 55 46 28 29 29 21 21	Full Licence for District. do do do do do Inwards only. Full Licence for District. do do do do do do do do do do do do do

Rates of Pilotage chargeable at Miramichi on all Vessels, British or Foreign:-

When inward bound \$2 25 per foot. When outward bound, and drawing less than 17 ft. do2 00 do When drawing 17 ft. and upwards.....

When and where a steamboat is employed to tow a vessel outside the outer bar, twenty-five cents per foot is deducted from above rates of outward pilotage.

For every vessel taken to sea after 1st November, a bonus of \$4.

For the removal and mooring of any vessel-

\$1 50 for vessels not exceeding 100 tons; over 100 tons and not exceeding 200 tons; 2 00 do 3 00 over 200 tons do 300 tons;

over 300 tons; 4 00 do

and where the distance of removal exceeds four miles, 50 per cent. to be added to the foregoing rates.

do

Vessels reported inwards:-

do

76 279 355

•	
Vessels reported outwards:—	
British	
Foreign.	272
Total amount of Pilotage inwards:-	351
British	
Foreign	
	\$9,495 2
Total amount of Pilotage outwards:—	•
Total amount of Pilotage outwards:— British	
Foreign	
	\$11,099 59

RECEIPTS and Expenditures of all Money received by or on behalf of the Pilotage Authority in respect of Pilots or Pilotage, for the year 1880.

		\$	cts.
Received from 29 Pilots for Renewals of Licenses, \$4 00 each		. 116	00
do 4 Pilots for New Licenses, \$5 00 each		. 20	00
Received from 29 Pilots for Renewals of Licenses, \$4 00 each	••••	. 55	00
·		191	00
	\$ cts		
Paid J. Brown and J. Walls, examining four applicants for Licenses	4 00	.	
Paid Jas. Henderson, inspecting and reporting on Pilot Boats	27 50		
Paid advertising printing forms, &c	34 53	: [
Paid C. Crammond, repairing stamp	0 75		
Paid telegrams	4 35	.]	
Paid postages and stationery	5 60	1	
Paid secretary, on account of services	114 27	·]	
			00

R. R. CALL,

WILLIAM PARK, Chairman, Newcastle, Miramichi, Dec. 18, 1880. Secretary.

APPENDIX No 24.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF ANTIGONISH, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEBER, 1880.

Antigonish, 31st December, 1880.

Sir,—In making our Annual Report for the year just ending, we have nothing to add, no changes to note, no appointments have been made, and very few vessels visited our port during the past year. Eastern extension being now about completed to the Strait of Canso, merchants and others will avail of that way of getting in their merchandise, &c., and vessels trading to this port will soon, to a large extent, be a thing of the past.

I remain your obedient servant,

C. B. WHIDDEN.

To the Honorable

The Minister of Marine and Fisherics.

APPENDIX No. 25.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF GREAT AND LITTLE BRAS D'OR LAKES, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Big Bras D'Or, Victoria County, Nova Scotia, 31st December, 1880.

LICENSED PILOTS.

No.	Name.	Residence.	Age.	Amount received by each.	Remarks.
1 2 3 4 5 8 10	Archibald Livingston Lauch Livingston William McDonald John O'Connel William Carey Kenneth McAuley Neil McLean John McLeod	do do	29 32 49 31 27 67 5 3	\$ cts. 33 00 87 00 14 00 28 00	No return. do do do

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."

The pilotage dues for the time being in force are as set forth in the scale hereto annexed.

As we have no Pilotage Fund each Pilot takes what he earns.

Amount received for licensing Pilots for the year, \$25.00.

Amount paid Secretary for the year, \$12.50.

All of which is respectfully submitted.

D. MORRISON,
JOHN A. FRASER,
WILLIAM McDONALD,

Extract from Canada Gazette, 20th April, 1878.

At a meeting of the Pilotage Authority for the Pilotage District of Bras d'Or Lake and Great and Little Bras d'Or, held at and in the office of John A. Fraser, Esq., on the 14th day of February, A.D., 1878, Messrs. John A. Fraser, Donald Morrison and William McDonald being present, they passed the following by-laws and regulations for the guidance of the District Pilots.

1st. No Pilot shall be under twenty-one years of age.

2nd. Every Pilot or company of Pilots must be provided with a boat when taking

a vessel to sea to bring him back to port when his services are ended.

3rd. Every Pilot boat must be provided with a flag five feet long and thirty inches wide, made of red bunting, with the number two feet long in white, also the letters "P.B.d" in white not less than twelve inches in length underneath the number and across the flag.

4th. The rate of pilotage for this district shall be as set forth in the scale attached

each Pilot's license.

5th. Every Pilot licensed for the first time shall pay a fee of \$5.00, and for every renewal the fee of \$2.50; and every Master or Mate of vessel licensed shall pay the same.

6th. The number of Pilots for the district of Bras (d'Or Lake shall not exceed twelve.

7th. Any Pilot belonging to another district, in charge of a vessel, shall immediately surrender his charge, when spoken to within the limits of this district by any of its Pilots.

8th. Pilots hailing or tendering their services to vessels previous to entering a Pert within the limits of this district, shall be entitled to half pay when rejected.

9th. Vessels towed into or out of the lake by steamers shall pay half pilotage.

10th. Any Pilot incapacitated by mental or bodily infirmity or by habits of drunkenness shall forfeit his license and not be at liberty to serve in the capacity of a licensed Pilot; and any Pilot guilty of drunkenness or incapacity while on duty shall be suspended for three months.

11th. In case of any dispute arising between masters of vessels and Pilots respecting pilotage, the matter shall be referred to one or more of the Pilotage Authority nearest the place of dispute.

JOHN: A. FRASER, DONALD MORRISON, WILLIAM McDONALD,

Commissioners of Pilots District Bras d'Or Lake.

SCALE of Pilotage Fees for the Pilotage District of Bras d'Or, Cape Breton.

	Bras	Plaster bour.	Baddeck.	Whycoco-	East	Little d'0'	West
essels of	\$	\$	\$	\$	\$	\$	\$
80 to 100 tons	. 3	j 5	7	i ii '	10	8	11
100 " 150 "	. 4	6	9	12	11	10	13
150 " 200 "	. 5	8	10	14	13	12	14
200 " 250 "	. 6	8	12	16	16	13	16
250 " 300 "	7	9 .	12	16	16	14	17
300 " 350 "	.1 8	10	13	18	17	16	18
350 " 400 "	. 9	12	14	19	18	17	19
400 " 450 "	. 10	12	14	20	19	17	20
450 " 500 "	.i ii	14	15	22	20	17	22
500 " 600 "	ii	14	15	24	22	18	23
600 " 700 "	12	15	18	26	24	19	25
700 " 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 Whycocomagh.

JOHN A. FRASER, DONALD MORRISON, WILLIAM McDONALD,

Commissioners of Pilots District Bras d'Or Lake.

APPENDIX No. 26.

REPORT OF THE PILOTAGE COMMISSIONERS FOR THE PORT OF HALIFAX, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

HALIFAX, N.S., 10th January, 1881.

SIR,—I have the honor to transmit the annual returns of the Pilotage Authority for the district of Halifax. N.S.

I am, Sir,

Your obedient servant,

FRED. D. CORBETT,

Secretary-Treasurer.

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

Office of Commissioners of Pilots, Halifax, N.S., 31st December, 1880.

STATEMENT of Receipts and Expenditure from 1st January to 31st December, 1880.

RECEIPTS.	\$	cts.	\$	ct#
5 per cent. commission on pilotage collected	853 839			
Renewals of licenses, bands, &c		00		
Interest on investments	50	00	2,066	55
Expenditure.				
Paid Secretary-Treasurer's salary do office rent do		00		
do widows and orphans		00		
do taxes, printing, stationery, and other expenses		<u>"</u>	1,599	07
Balance of cash on hand			467	48

Return of Vessels entered Inwards, at the Port of Halifax, N.S., from 1st January to 31st December, 1880, subject to compulsory Pilotage Dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Barque.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
158	248	5	43	3	259	475,138	\$ cts. 19,240 50

FOREIGN.

20	7.	5	38	3	90	105,128	1,942 50
178	255	10	81	6	349	589,266	12,183 00

Return of Vessels entered Outwards, at the Port of Halifax, N.S., from 1st January to 31st December, 1880, subject to compulsory Pilotage Dues.

BRITISH.

Schooner.	Brigantine.	Brig.	Barque.	Ship.	Steamer.	Tonnage.	Amount of Pilotage Dues.
4	39	3	53	2	262	453,604	\$ cts. 4,142 84

FOREIGN.

 5	6	. 5	37	3	98	110,275	1,178 02
 9	45	8	90	5	360	563,879	5,320 86

Scale of Pilotage Dues for the Port of Halifax, N.S.:

		Inwards.	Outwards.
Vessel	s 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 one hundred 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 under 80 tons and under 250 tons register tonnage, shall pay one half the tariff rates if spoken by a pilot, and his service are not accepted, but any such vessels taking a pilot voluntarily shall pay full tariff rates.

LIST of Licensed Pilots for the Port of Halifax, N.S.

Name.	Residence.
Thomas Holland James Holland William Baker Bernard Gallagher Daniel Martin Joseph Rhino Patrick Hayes Hugh Munro Jeremiah Holland Edward Bayers James Henrahan William Beazeley John Hayes Charles Glazebrooke	Ketch Harbour. Ferguson's Cove.

FRED. D. CORBETT,

Secretary-Treasurer.

APPENDIX No. 27.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF HANTS COUNTY, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

WINDSOR, N.S., 22nd December, 1880.

Sir,—Your letter of the 9th instant to hand, requesting report of Pilotage Commissioners for Hants County. I beg to state that the Pilots refuse to act since the Pilotage was made non-compulsory by an Order in Council.

I am, Sir,

Your most obedient servant, THOMAS AYLWARD.

The Hon. Minister of Marine and Fisheries, Ottawa.

APPENDIX No. 28.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF NORTH SYDNEY, C.B., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

North Sydney, 7th January, 1881.

Sir,—I have the honor to enclose the report of the Pilotage Authority of this district for last year.

I am, Sir,

Your obedient servant,

WM. PURVES.

Secretary-Treasurer Pilotage Authority, Sydney.

Wм. Sмітн, Esq., Deputy Minister Marine and Fisheries, Ottawa.

NAME and age of each and every Pilot for the Ports of Sydney and North Sydney, C.B., 1880.

The number of Pilots is 27, and there is no alteration in Names since last Returns—1879.

For the Port of Lingan-

No.	Name.	Age.	No.	Name.	Age.
2 3	Thomas Laffin Patrick Laffin Richard Hall. Walter Handrigan	61 43 40 24	5 6 7	Michael Lee	46 32 37

For Little Glace Bay and Port Caledonia-

No.	Name.	Age.	No.	Name.	Age.
1 2 3 4	Joseph Shannahan	40 46 61 45	5 6 7	Edmund Petrie	40 44 30

Names, &c., of Masters and Mates certificated by the Pilotage Authority for Sydney, for 1880.

No.	Name.	Capacity.	Name of Vessel.		
3 4	D. Anderson	do	Steamship "George Shattuck"		

The total number of arrivals at the Port of Sydney, in 1880, paying pilotage was 41, consisting of:—

ge.
58
00
97
00
55
֡

The amount of pilotage coilected in Sydney was:-

			•	•	•	
From	British	vessels	3		******	\$ 784
					• • • • • • • • • • • • • • • • • • • •	
40	2010.5.				_	
						8995
						9000

The total number of arrivals at the Port of North Sydney, in 1880, paying pilotage was 597, consisting of:—

	1	connage.
173	steamers, British 1	76.787
	do Foreign	
374	sailing vessels, British 1	30,503
44	do Foreign	22,504
	·	
5 97	3	34,798

The amount of pilotage collected at North Sydney was:-

From	British	vessels		\$9,000	50
			••••		
				Q 10 021	50

No arrivals at South Bar paying pilotage.

The total number of arrivals at Lingan paying pilotage was 68, consisting of: ---

		7	l'onnage.
1	steamer, Britisl	1	214
61	sailing vessels,	British	11,387
6	do	Foreign	2,078
		-	
68			13,679

The amount of pilotage collected was:		
From British vessels		
		
The total number of arrivals at Little Glace Bay paying pilotage onsisting of:—	was	61
Tonnage 1 steamer, British 240 56 sailing vessels, British 11,371 4 do Foreign 1,556		
61 13,177		
The amount of pilotage collected was:-		
From British vessels. \$557 do Foreign do 89		
\$6 46		
The total number of arrivals at Port Caledonia paying pilotage consisting of:—	was	86,
Tonnage 82 sailing vessels, British 13,652 4 do Foreign 1,415	}	
86 15,067	•	
The amount of pilotage collected was:		
From British vessels		

RECAPITULATION.

Port.	Number of Vessels.	Tonnage.	A mount.
Sydney North Sydney Lingan Little Glace Bay Port Caledonia	41 5 9 7 68 61 86	30,755 334,798 13,679 13,177 15,067	\$ cts- 995 00 10,021 50 673 00 646 00 660 00
Total	853	407,476	\$12,995 50

STATEMENT of receipts and disbursements by the Pilotage Authority of Sydney from January 1st to 31st December, 1880:—

Received at Sydney and North Sydney: -Licenses, \$81;		
boats, \$15; masters, \$90	\$ 186	00
Received at Lingan:—Licenses, \$21; boats, \$4	25	00
Received at Glace Bay and Port Caledonia: - Licenses,		
\$21; boats, \$12	. 33	00
Total pilotage, per statement	12,995	50
	\$13,239	50

EXPENDITURE.

Balance from last year	\$ 7 12		
Commission paid 5 Collectors	12 222 52		
5 Commissioners, \$30 each	150 00		
North Sydney Herald, printing	$23 \ 25$		
Forbes & Co., printing	4 50		
Secretary and Treasurer	100 00		
		13,280	37

Balance due Treasurer.....

W. PURVES,

Secretary-Treasurer.

\$40 87

NORTH SYDNEY, C.B., 4th January, 1881.

APPENDIX No. 29.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF PICTOU, N.S., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Pictou, 21st December, 1880.

Sir,—In compliance with the law, I herewith have the honour to forward you the Annual Returns of the Pilotage Authority for the District of Pictou, NS.

I have the honor to be, Sir,

Your obedient servant,

J. W. GORDON,

Secretary.

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, 1880, as required by section 24 of chap. 54, 36 Victoria, entitled "An Act respecting Pilotage."

LICENSED PILOTS.

Name.	Residence.	Age.
Robert Powell	Boat Harbour	79
A. Thomas Powell	do	62
James Fraser	do	49
Bryant Rodgers	Pictou	45
Wm. A. Cooke	do	42
Angus McDonald	do	41
Henry H. Powell	Boat Harbour	34
Charles A. Cooke	Pictou	35
George W. Powell	Fisher's Grant	29
Daniel S. Smith	Pietou	2 9
John R. Powell	Boat Harbour	32
William Munro	Pictou	50
Daniel McLeod	do	39
Ronald McDonald	do	54
Allan McDonald	Fisher's Grant	27

Certified Masters:-

Captain Davies, steamship "Miramichi."

Certified Mates-None.

Service 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
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 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
do $1{,}000$ and upwards, $2c$. per ton inward; $1\frac{1}{2}c$. outward.
And all vessels under 80 tons 5c. per ton inward, and 4c. per ton outward. All steamers to be rated at net tonnage.
All vessels over 80 tons bound inward, not requiring the service of a pilot, shall
pay half pilotage to any pilot offering his services. All vessels over 150 tons bound out, and not requiring the service of a pilot shall pay half pilotage to the Pilotage Fund.
Total amount received for pilotage dues \$6,010 63
Of this amount—
Received from British ships \$4,821 63 do Foreign do 1,189 00
₩ 0 3 0 ± 0 0 0 0 ,
Of this amount—
Received from sailing ships \$3,002 38
do steamships 3,008 25

RECEIPTS and expenditures of all money received by or on behalf of the Pilotag Authority in respect of Pilota or Pilotage:—
RECEIPTS.
Received from 15 pilots for annual bonds. \$15 00
do pilotage dues, as above 6,010 63
Balance on hand from last year 165 25
 \$6 ,190 88
EXPENDITURE,
Paid pilots for pilotage \$5,660 63
do printing, books, &c
do Secretary's salary 100 00
do Commissioners' attending meetings. 50 00 Balance on hand
\$6,190 88
J. K. NOONAN,
J. A. GORDON,
A. J. PATTERSON,
JAMES McGREGOR.
J. W. GORDON,
Secretary.
207

APPENDIX No. 30.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF PUGWASH, N.S., FOR THE CALENDER YEAR ENDED 31st DECEMBER, 1880.

Pugwash, N.S., 1st January, 1881.

Sir,—I beg to enclose Returns for the Pilotage District of Pugwash, for the year ending 31st December, 1880.

I am, Sir,

Your most obedient servant,

H. C. BLACK,

Secretary of Commissioners.

To WM. SMITH, Esq.,

Deputy Minister of Marine and Fisheries, Ottawa.

REPORT of Pilotage Authority for the District of Pugwash, N.S., for the calender year ending 31st December, 1880:—

Pilots licensed for service within Pilotage District:

	Age.
James Seaman	77
Norman McIver	
John Seaman	
Joseph O. Read	
Edwin L. Borden	37

The pilotage dues at the ports of Pugwash, Port Philip, and other places within the pilotage limits in the said District of Pugwash, are as follows:—

Vessels of	80	tons	and	under	140	tons	\$ 6	inwards	\$ 5	outwards.
"	140	"		. 44	230	"	8	"	7	"
46	230	"		"	300	"	10	"	9	"
46	300	"		"	400	"	14	"	12	"
• "	400	"		"	500	"	16	44	14	"
"	500	"		"	600	"	17	"	15	"
"	600	"		"	700	"	18	"	16	66
44	700	"		"	800	64	19	"	17	"
"	₹00	"		44	900	46	20	"	18	66
"	900	"	and	upwar	ab		21	"	19	"

All vessels under 80 tons accepting pilots, 5c. per ton inwards, and 4c. per ton outwards. All steamers employing licensed pilots to be rated at net tonnage. Vessels bound to the loading berths of Shinnimicas, or any other loading place other

than Pugwash or Port Philip, within the pilotage limits, to pay two-thirds of the above inward rates if accepting a pilot, or one-third inward rates if refusing a pilot—such vessels not being obliged to accept a pilot.

There is no Pilotage Fund in this District, each pilot collecting his own pilotage

dues.

Respectfully submitted,

H. C. BLACK. Secretary of Commissioners.

To the Minister of Marine and Fisheries, &c., &c. Ottawa.

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APPENDIX No. 31.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF RICHMOND, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

ARICHAT, 1st January, 1881.

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 1880.

I am, Sir, your obedient servant,

CHARLES LENOIR,

Commissioner and Acting Secretary.

To WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries.
Ottawa.

PILOTAGE Returns for the County of Richmond, for the Year 1880.

No.	Name,	Age.	Date Licensed.	For what service Licensed.
4 5 6 7	Docité Richard	61 39 37 50 35 30	1878 1878 1878 1879 1880 1880	Pilotage District of the County. do do do do do do do do do do do do do do do

Amount received by Pilots for the year 1880	$\begin{array}{c} 230 \\ 30 \end{array}$	$\begin{array}{c} 15 \\ 00 \end{array}$
Paid the balance to Pilots	200	15

APPENDIX No. 32.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF WALLACE, N.S., FOR THE CALENDAR YEAR ENDING 31st DECEMBER, 1880.

SIR,—We, the Pilotage Authority for the Port of Wallace, in the County of Cumberland, Province of Nova Scotia, have the honour to transmit to you the following particulars of the Pilots for the said Pilotage District of Wallace:—

1st. No. 1.—Zabud Mullins, 56 years of age. No. 2.—Charles Stuart, 42 years of age.

No. 3.-James Carty, 55 years of age.

2nd. The services of each and every pilot licensed by the Pilotage Authority of Wallace, are to pilot vessels of every description within and throughout the said Pilotage District of Wallace.

3rd. Rates of pilotage dues for the Pilotage District of Wallace, are as follows:-

					Inw	ard.	Out	ward.
Vessels	of 80	tons	and under	160	\$6	00	\$4	00
"	160		"		9		6	00
"	23 0	"	"	400	12	00	8	00
"	400	"	and upwar	ds	14	00	10	00

Vessels under 80 tons accepting the services of a pilot to pay 5c. inward and 4c. outward; steamers rated at net tonnage. The above rates are to the Wallace Huestis Grey Stone Wharf, up Wynn's Channel to the Plaster Wharf, and up Fox Harbour Channel. Vessels requiring the services of a pilot to Wallace Bridge to pay 25c. per foot, draft water; if to the Wallace Freestone Quarries or to the Bay abiteau, then the sum of 5c. per foot in addition each way.

4th. Total amount of pilotage dues earned and collected at the Port of Wallace,

by the pilots, from Canadian and British vessels:

13 Schooners	`		
13 Schooners	8	156	00
1 Steamer) "		
5th. By cash for licenses to three Pilots	••••	\$15	00
5th. By cash for licenses to three Pilotsbonds from "	••••	3	00
		\$1 8	00
To paid for printing by-laws and licenses	00		
To paid for printing by-laws and licenses\$4 " compiling by-laws	50		
" " postage and stationery 0	50		
1 , 3		8	00
Dolones in Commission and bond		#1A	
Balance in Commissioners' hands		ΦTΛ	VV

WILLIAM SCOTT, WILLIAM MACNAB,

Pilot Authority for the District of Wallace, Nova Scotia.

To the Honorable

Minister of Marine and Fisheries, Ottawa.

APPENDIX No. 33.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF CRAPAUD, P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEM-BER, 1880.

SIR,—I have the honour to transmit this the second Annual Report for the Pilotage District, Port of Crapaud, in accordance with the provisions of Acts furnished.

There has been no alteration in this port since last report, as far as the Pilot is concerned. Our Pilot, as usual, has performed his work satisfactorily; never a complaint being found with him for conduct or ability.

Pilotage dues the same as approved by Order in Council of 28th January, 1879, and amendments approved 29th October, 1879.

The Pilotage Authority has received no moneys. It is found the Pilot can be trusted to receive them in person, and are as follows:—

4	Brigs	\$ 62	00
4	Brigantines	48	00
7	Schooners	31	47
	Grand total	\$141	47

I have the honour to be, Sir,

Your most obedient servant, WESLEY MYERS,

Secretary.

To the Honorable J. C. Pope, Minister of Marine and Fisheries. Ottawa.

APPENDIX No. 34.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF NEW LONDON, P.E.I., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Name and Age of each licensed Pilot:-

	Age.
Jonathan McLeod	. 44
John McKay	42
William Bell	. 46
James H. McLeod	
Neil McLeod	32
Total amount of Pilotage Dues received on British and foreign shi	ps: -
Brig "Arthur," Dominion Register \$	52 00
Schooner "Fleetly" do	6 00
Brig "Lynwood" do	30 00
Schooner "Dahlia" do	600
do "J. C. Neville" do	6 00
do "Fleetly" do	6 00
do "Laodamia" do	6 00

I have the honour to be, Sir,

Your most obedient Servant,

JAMES A. McKIE.

To the Honorable

Minister of Marine and Fisheries, Ottawa.

To the Honorable Minister of Marine and Fisheries:

At a meeting of the Pilotage Authority for the District of New London, P.E.I., for the purpose of reducing the rates of Pilotage Dues for said District, it was resolved that Articla 4 be amended to read as follows:—

"The rate of pilotage for this district shall be as follows: Four cents per register ton to Beach; two cents per register ton additional for rivers below Bridges."

GEORGE BELL, GEORGE A. McLEOD, JAS. M. SQUAREBRIDGE.

STANLEY BRIDGE, 7th January, 1881.

APPENDIX No. 35.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF NANAIMO, B.C., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Nanamo, B.C., 31st December, 1880.

SIR,—As required by Section 24 of the Act respecting Pilotage, 36 Vic., chap. 54, I have the honour to forward Pilotage Returns as under, viz. :-

A. Receipts of dues, specifying nationality;
B. Amounts received and expended on account of Pilotage;

C. Pilotage dues; and

D. Name, age, service and authority of Pilots.

I have the honor to be, Sir,

Your obedient servant.

T. ERIC PECK,

Acting Secretary.

To the Honorable

The Minister of Marine and Fisheries.

RETURN shewing the amount of Pilotage received in the Pilotage District of Nanaimed during the Year ending 31st December, 1880, specifying nationalities.

	s		
	***************************************		-
From American do		9,860	00
	•	\$ 11,680	50

RETURN shewing amount of Pilotage Dues and Licenses and the amount expended for the Year 1880, as under, viz.:

RECEIPTS.		
Pilotage dues	\$11,680	50
Pilotage licenses	235	
	\$11,915	50
Expenditure.	,	
Expenses of investigations	\$246	00
Stationery, printing and postage	. 150	04
Furniture	. 226	10
Rent and office expenses	. 280	25
Acting Secretary and Treasurer	~ 240	00
Earnings of Pilots	. 10,4 9 6	25

Amount of Pilotage paid on 31st December, 1880, under protest awaiting the decision of the Board of Commissioners	18	00
Amount carried to account of year 1881	258 \$11,915	

Pilotage Dues.

For vessels of less than 12 feet draught, \$3.00 per foot.

For vessels of over 12 feet draught, \$4.00 per foot.

For vessels in tow of a steam tug, irrespective of draught, \$3.00 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 and 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.
		Pilotage District, Nanaimo.
Rodgers. A	52 . 42	
Clements, W	45	do . do
Ettershank, W	. '39	Services rendered in Nanaimo District, during temporary absence of local pilots on duty.
McIntosh, J	. 53	of local pilots on duty.

The first four above named Pilots are fully authorized, by the Board of Commissioners, for their respective services.

M. BATE,
JOHN HIRST,
J. ERIC PECK.

Commissioners.

Nanaimo Pilotage Authority, 31st December, 1880.

APPENDIX No. 36.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF VICTORIA AND ESQUIMALT, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

VICTORIA, B.C., 8th January, 1881.

Sir,—I have the honour to transmit herewith the Pilotage Returns for the Victoria and Esquimalt District, for the calendar year ended 31st December, 1880, in keeping with the provisions of Sec. 24 of the "Pilotage Act, 1873," 36 Vic., Chap-54; as also in response to your circular letter, dated Otiawa, 9th December, 1880, and trust that the same will reach the Department in season for the purpose indicated.

I have the honour to be, Sir,

Your most obedient servant,

EDGAR CROW BAKER,

Secretary.

WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RETURNS by the Victoria and Esquimalt Pilotage Authority, 1st January to 31st December, 1880.

LICENSED PILOTS.

No.	Name.	Age.	Date of Is	sue.	Seniority.	•	Remarks.
2 3 4 5 6 7 8	James McIntosh	41 50 50 40 38 31 51	23rd April, do do do do do do do do	•••	9th January, 1873 8th March, 1876 4th March, 1878 9th June, 1873 7th July, 1876 21st June, 1677 4th December, 1878. 10th August, 1870 5th February, 1879.	Pilot Since Pilot Pilot Pilot by	boat, No. 2. resigned. boat, No. 1. do do

N.B.—Messrs. Ramsey, Christensen and Ettershank are also newly appointed Pilots for Yale and New Westminster District. Mr. Hicks has retired from the Service and gone to England. Messrs. Sabiston and Urquhart have been granted licenses for Nanaimo District, and confine themselves almost entirely to that District. Messrs. McIntosh, Scott and Thompson have not the right to pilot in the other Districts, unless their old licenses as British Columbia Pilots give them such right.

EDGAR CROW BAKER,

Secretary.

VICTORIA, B.C., 31st December, 1880.

List of Certificated Masters and Mates.

No.				
	Name.	Date.	Vessel.	Limits.
1 2 3 4 5	James Gardiner	8th August, 1877 29th March, 1877 25th February, 1879 22nd May, 1877 3rd July, 1877	Otter	Victoria to Wrangle. Victoria to Puget Sound. Victoria to Wrangle. Victoria to Nanaimo, &c. do do

Clause I.—No acting Pilots or apprentices employed in this district.

Clause II.—The services for which every Pilot is licensed is from the shores of Washington Territory to the northern boundary of the Province, less such exemptions or 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	\$0	75	per foot.
Beachy Head to Royal Bay	1		
Pillar Foint to Royal Bay	3	00	do
Cape Flattery to Royal Bay	6	00	do

(The foregoing rates are not compulsory, and are applicable only when the services of Pilots are actually employed.)

Esquimalt Hark	our, under sail	\$4	00	per foot.
do	under steam or in tow	3	00	do
do	services declined	2	00	$\mathbf{d}\mathbf{o}$
Victoria Harbou	ır, under sail	4	00	do
\mathbf{do}	under steam or in tow	3	00	do
do	services declined	2	00	do
Esquimalt to Vi	ctoria. or vice versa	1	50	do

Vessels requiring the services of a Pilot to remove them from one part of either harbour to another part of same harbour can obtain the same for the specific charge of \$10 for each and every such removal in either harbour. Any fraction of a foot, not exceeding six inches, paid for as half a foot, and any fraction exceeding six inches, as a foot.

> Vessels trading between Victoria and Wrangle \$50 00 a year. do Puget Sound. 100 00 Schooners over 80 tons registered tonnage pay.....

Pilotege certificates of competency may be issued to masters or mates of vessels registered in Canada upon passing examination and paying a fee of \$20. Such certificates are not compulsory, and are issued only to such persons (being competent) who desire to hold them. Compulsory payment of pilotage dues is not chargeable against vessels while in Royal Roads, unless such vessels shall enter either or both of the ports of Victoria and Esquimalt. Vessels bound to any other port in the Province and simply entering either harbour for refuge or more secure anchorage, are exempt from dues unless a pilot is actually engaged. "Steamers making regular trips to Victoria and Esquimalt, and having paid \$3 per foot into and out of either harbour on the inward voyage, and returning again to either of said harbours within a period of twenty days, shall only pay \$1.50 per foot additional dues on said vessels on the outward voyage (i. e. 75c. per foot inwards and 75c. per foot outwards) for pilotage service, tendered or rendered, until said vessels pass to the westward of a line drawn from Race Rocks to Point Angelos (i. e. to seaward again)." This provision was passed on the 14th July, 1880, and ratified by Order in Council, 4th October, 1880. Vessels in tow pay the same as vessels under steam. No vessel pays more than \$7.50 per foot on any one voyage.

LIST of Exempted Vessels.

Number.	Name.	Rig.	Master.	Tonnage.	Route.
5 6 7 8 9	Enterprise	do do do do do do do do do	Wm. McCulloch	109	Victoria to New Westminster. do Nanaimo, &c. do Burrard Inlet. do Comox, &c. do New Westminster. General Towage Service. do do do Victoria to Yale. do New Westminster.

All the foregoing vessels are exempt under the Act 40 Vic., chap. 20, (trading from port to port in the same Province, and propelled wholly by steam), but those going to American ports (Wrangel, Sitka, &c.,) pay an annual fee in lieu of pilotage dues, as explained under Clause III. of Returns.

VESSELS Exempt under By-Laws 5, 6 and 7.

Number.	Name.	Rig.	Master.	Tonnage.	Route.
2 3 4	Otter	do do Schooner.	Daniel Morrison	217 128 98	

N.B.—The steamer "Isabel" runs regularly twice a week between Victoria and Port Townsend, carrying passengers and mails. The steamer "Princess Louise" runs between Victoria and Fort Simpson in the summer season, and takes the place of the "Enterprise" during winter. Steamer "Otter" runs between Victoria and Fort Simpson in the winter, and makes occasional trips in summer. Steamer "Grappler" runs between Victoria and Wrangel, Sitka, Naas and Skeena Rivers all the year round, at intervals of three weeks, and as freights, &c., demand her services. Schooners "Bonanza" and "Black Diamond" are our only sailing coasters over 80 tons registered tonnage.

CLAUSE IV.—Return of Dues collected.

Month.	Britis	h.	Forei	gn.	Total	ls.	Remarks.
January February March April May June July August September October November	193 59 Nil. 48 95 167 Nil. 40	25 00 25 50 50	\$ 476 477 496 565 760 761 577 507 557 481	00 00 50 50 75 62 45 75 00 50	\$ 476 540 689 624 760 809 672 674 521 576	75 50 75 50 75 87 95 75 50	Evaded \$39.00. do 37.50. do 53 50. Forfeited \$101.00. Evaded \$28.00. do 29.00. Nothing lost. Evaded \$42.00. do 42.00. do 42.00. Nothing lost.
December Total	800		6,661		7,462		Evaded \$191.00.

Special Rates.—Mail steamers "Dakota," "City of Chester," and "Idaho," as also the steamers "California," "Victoria" and "Empire" only pay 75 cents per foot in and out on the downward trip in addition to a previous payment of the Ordinary dues. Vessels not spoken outside a line from William's Head to Trial Island are exempt from all pilotage dues.

Special Services are rendered null and void by abridgement of jurisdiction, but should pilots of this district, by dint of circumstances, be carried beyond their limits, or be employed for gulf service (inside Trial Island) they then receive the rates applicable to the district they enter.

Excessive Pilotages amounting to \$31, during the year, is the difference between

the pilots reports and proper charges.

Forfeited Pilotage, amounting to \$617.75, during the year, is the amount of Pilotage that would have been collected in addition to the \$7,462.97, had not stress of weather or lack of vigilance on the part of the pilots prevented a number of vessels from being spoken outside or upon the limits.

Earnings of Pilots:-

Amount of dues collected Less expenses incurred	\$7,462 07 746 23
Divided among all pilots	\$6,715 84 2,910 0 0
Net earnings (approximate)	\$3,805 84
Earnings per capita for 3 pilots for 12 months	\$1,2 68 6 1

Pilot Vessels:—

"Carolina," No. 1, 32 tons registered tonnage. "Quickstep," No. 2, 14 tons registered tonnage.

"H. L. Tibbats," No. 3, $8\frac{1}{2}$ tons registered tonnage. "Helen," No. 4, $10\frac{1}{2}$ tons registered tonnage.

DR.	Receipts and Exp	enditure	from 1st	January t	Receipts and Expenditure from 1st January to 31st December, 1880.—Clause IV.		CR.
Date.	Nature of Receipt.	Items.	Amount.	Date.	Head of Service,	Items.	Amount.
1880. Jan. let to Dec 31st	J880. Jan. 1st to To Dues collected Dec 31st Certificate fees		\$ cts. 7,462 07 210 00 60 00	1880. Jan. 1st to l Dec. 31st	Jan. 1st to By Secretary and Treasurer Dec. 31st Expenses of investigations	i_ !!	\$ cts.
					Advertising Printing Ily-Laws Office cleaning Colonist paper Coal and wood Agas account	10 00 15 00 20 00 13 00 10 95 8 75	
320					Expenses of surveys		210 70 60 00 6,715 84 119 30
		-	7,732 07			-	7,732 07
Approve	Approved and cortified correct.						
	KODERICK FINLAYSON, WILLIAM R. CLARKE, ROBERT P. RITHET,	\sim	- Oommissioners.	¢.			
VICTORIA	VICTORIA, B. C., 7th January, 1881.				EDGAR CROW BAKER, Secretary-'	BAKER, Secretary-Treasurer.	surer.

APPENDIX No. 37.

REPORT OF THE PILOTAGE AUTHORITY FOR THE DISTRICT OF YALE AND NEW WESTMINSTER, B.C., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

BURRARD INLET, B.C., 6th January, 1881.

Sir,—I have the honour to transmit herewith, Pilotage Returns for the Pilotage District of Yale and New Westminster for the year ending 31st December, 1880.

I have the honor to be, Sir,

Your obedient servant,

B. SPRINGER.

Secretary.

WM. SMITH, Esq.,
Deputy Minister of Marine and Fisheries, Ottawa, Ont.

Pilotage collected as follows:--

LICENSED PILOTS.

No. of License.	Name of Pilot.	Age.	Service.
3 4	James Ramsey	50 38 40 36	Licensed to pilot vessels of every descrip- tion within the limits of the district.

Pilotage dues for the time being in force are the same as last year and which Were approved by Order in Council of 25th July, 1879.

- nomgo o	oriococa as forio	N D			
At the Port of	Burrard Inlet f	rom British vessels	\$1,350 50		
do	do	Foreign vessels	1,415 00		
		-		\$2.765	50
At the Port of	New Westmins	ter from Foreign steamers		744	
			-		
	Total			¢2 500	50

RECEIPTS and Expenditures of all Moneys received by or on behalf of the Pilotage Authority in respect of Pilots or Pilotage, for the Year ending 31st December, 1880.

RECEIPTS.

TOROGET 15.				
To Cash on hand from last year		30		
Pilotage dues		50		
License fees	40			
Fines and forfeitures		00		
			8 3,564	80.
Expenditure.				
By Paid Pilots as per receipts		55		
Secretary's salary	300	00		
Commissioners' expenses attending meetings	16	50		
Expenses collecting	1	00		
For stationery, postages and telegrams	4	75		
By Cash on hand	84	00		
			\$3,564	80 \circ

J. A. RAYMOND,

Chairman.

A. SPRINGER,

Secretary.

BURRARD INLET, B.C., 31st Dec., 1880.

APPENDIX No. 38.

REPORT OF THE MONTREAL HARBOUR POLICE FOR THE FISCAL YEAR ENDED 30th JUNE, 1880.

Sir,-I have the honor to submit the Annual Report of the Government Harbor

Police of Montreal, for the fiscal year ended 30th June, 1880.

Urged by the continued representations of the mercantile and shipping interest, and convinced by personal examination, the Department was induced to make a small increase in the number of Constables, making the authorised force for the year: one Chief Constable, three Sergeants and twenty-five men.

The annexed return of prisoners arrested and persons to whom nocturnal protection was extended shows an increase of forty-six. The arrests numbered 293; and

the refugees, 110.

This, however, does not include a large number of seamen temporarily cared for, and who were, when in a fit state for duty, placed on board their respective ships, as requested by their officers.

The number of accidents and fatalities on the wharves is in advance of previous years, but so has been the amount of business transacted. Twenty-four persons were

drowned and twenty-seven rescued.

On the 29th June, about meridian, the local passenger and traffic steamer "Bohemian," of the Richelieu and Ontario Steam Navigation Company, en route to pass from the canal basin through the first lock at Bridge No. 1 (known as Black's Bridge), ran against the upper gates of Lock No. 2 with such force as to unship and otherwise injure them, letting loose the embedded water.

The steamer, after having been whirled about by the torrent, staving in her bows and badly damaging her stern, was by strenuous exertion got alongside of the com-

pany's wharf, where she sank.

It was feared at one time—so great was the volume and powerful the flood and rush of water—that she would have been carried over the lower lock gates, and the excitement was very great. The steamer "St. Francis" and several other canal craft were more or less injured, of which a detailed report has been furnished.

The Superintendent of Lachine Canal, Mr. Conway, was at once on the spot, and the prompt and energetic measures adopted by him relieved the accumulated

vessels and freight much sooner than the most sanguine anticipated.

The desertions from vessels in the harbour have never been so great, caused principally by a large advance in wages. Measures were taken to check the evil, and to a great extent were successful, a large number of "running" seamen having

been captured, punished and restored to their vessels.

The Harbour Commissioners' having completed the line of wharves to the Victor Hudon Cotton Factory at Hochelaga, a further addition to the force will be necessitated. The large craft employed in the lumber trade are to be berthed at these new sections. Two hundred and forty vessels, or thereabouts, were moored below Long Wharf last season, and a large increase is anticipated the coming one.

Since your last inspection, notwithstanding the additional facilities granted by you for extending the patrol, it was with difficulty a limited protection was afforded at the lower sections; and in future not only will additional men be required, but a

small, movable, wooden sub-station will have to be erected on a wharf below the Bonsecours Market, under such regulations as will be submitted hereafter for your approval.

I have the honour to be, Sir,

Your obedient servant,

H. ST. A. ORMOND.

Insp. Gov. Harbour Police, Age., t M. and F. Dept.

WILLIAM SMITH, Esq.,
Deputy Minister Marine and Fisheries, Ottawa.

RETURN OF ACCIDENTS AND CASUALTIES ON THE WHARVES, &C., FOR THE FISCAL YEAR ENDED 30TH JUNE, 1880.

July 1st, 1879.—A man was found floating in the basin; Coroner notified.

July 2nd.—While the steamer "Montarville" was putting into the wharf she struck her bow, causing a young lad to fall overboard who would have been drowned but for assistance.

July 2nd,—A seamen of the barque "Sir Henry Havelock" fell overboard while painting the ship and was drowned; Coroner Notified.

July 3rd.—A boy was drowned at the St. Helen's Island while bathing; body

recovered; Coroner notified.

July 7th.—A boy fell into the river opposite the Allan's shed, who would have been drowned but for the assistance of the constable on duty.

July 12th.—The body of a man, unknown, was found floating in the river oppo-

site Molson's wharf; Coroner notified.

July 13th.—A man jumped off the steamer "Laprairie" into the river and was drowned.

July 17th.-- A boy fell into the canal at St. Gabriel's locks and was drowned; Coroner notified.

July 22nd.—A man jumped into the Bonsecours basin, who would have been drowned but for the constable on duty who jumped in after him and hauled him out-

July 29th.—A boy, while playing with a line on board the barge "Vera," lying

in the canal, fell overboard and was drowned; Coroner notified.

July 30th.—A man fell from the revetment wall on the wharf; he was severely injured about the head; sent to hospital.

July 31st.—A man working on board a ship had one of his feet badly crushed by a bar of pig iron falling on it.

July 31st.—A man unloading wood from a barge at the long wharf fell between the barge and the wharf into the river and was rescued by the hands on board.

August 4th.-A boy fell into the canal basin while gathering chips, and would

have been drowned but for assistance.

August 10th.—A horse backed over the romp with a load of iron, breaking the truck and cutting himself very badly.

August 14th.—A man while unloading goods fell between the vessel and the

wharf and was severely injured; conveyed to hospital.

August 15th.—A seaman belonging to the steamship "Indies" while in the act of

saving a comrade from being drowned was drowned himself.

August 19th.—A boy belonging to the barge "Milwaukee" fell into the canal while passing through Coté St. Paul and was drowned; the body being recovered; Coroner notified.

August 22nd.—The body of a man was seen entangled in one of the paddle-wheels of the steamer "Cultivateur;" removed to the morgue; Coroner notified.

August 24th.—A man while removing pig-iron from the wharf a bar fell on his

foot, severely injuring it.

August 26th.—A seamen belonging to the steamship "Brooklyn," on board the steamship "Thames," fell from the bow into the river and was drowned; the body recovered; Coroner notified.

August 29th.—Two deck hands belonging to the propeller "Lake Ontario" fell

from the gaugway into the canal basin; rescued by hands on board.

August 30th.—A man while in the act of throwing a heaving-line to a ship long

side, to fasten a barge, fell overboard and was drowned.

August 30th.—A hand on board the barge "Emmanuel" in jumping from the barge to the wharf fell into the river and was drowned.

Sept. 1st.—A boy was drowned while bathing in the canal basin; the body was

recovered; Cororer notified.

Sept. 9th.—A passenger on board the Quebec steamer fell overboard and was drowned.

Sept. 10th.—A boy fell off the long wharf into the river and would have been

drowned but for assistance rendered.

Sept. 12th.—A fire was discovered smouldering in a large pile of lumber on the wharf. It was speedily put out by the employees of the Harbour Commissioners.

Sept. 15th.—A man got badly cut about the head by falling off one of the freight

cars on the wharf; sent to hospital.

Sept. 17th.—A man walking along the canal bank fell in and was drowned; Coroner notified.

Sept. 20th.—I'wo men assisting to unload one of the Allan steamers, a bar of railway iron fell upon them injuring them severely.

Sept. 22nd.—A passenger on board the steamer "St. Francis" fell into the canal;

rescued by the constable on duty.

Sept. 26th.—A boy fell into the canal near Black bridge and was rescued from being drowned.

Sept. 28th.—A man jumped on a scow in the Elgin basin overbalanced himself

and fell into the river; rescued by the constable on duty.

Oct. 2nd.—A woman fell into the river at the Merchants' wharf and was rescued by the constable on duty with the assistance of others.

Oct. 3rd.—A man while coming off the steamer "Princess" fell into the canal;

rescued by the constable on duty.

Oct. 4th.—A seaman belonging to the steamship "Brooklyn" had his leg broken while working at the donkey engine; he was removed to the hospital.

Oct. 4th.—A man while attempting to get on board the steamer "Valetta" fell

between the vessel and the wharf; rescued.

Oct. 6th.—A horse and carriage ran away on the Island wharf, breaking the shafts and badly injuring the driver.

Oct. 10th.—A seaman belonging to the barque "Louis A. Martiney" fell into

the hold of the vessel and was dangerously hurt; conveyed to the hospital.

Oct. 13th.—A hand belonging to the barque "Nette" fell into the canal basin; the constable on duty hearing the cries threw him a rope and saved him from drowning.

Oct. 16th.—A man of the vessel "L. E. Owens" fell into the canal basin and

was drowned; Coroner notified.

Oct. 16th.—A man loading pig iron got badly hurt; sent to Hospital.

Oct. 22nd,—A man fell into the river; the constable on duty hearing his cries ran to his assistance and rescued him.

Oct. 26th.—A man while walking along the deck of the steamship "Quebec"

fell into the hold and was badly injured; conveyed to hospital.

Oct. 27th.—A man while unloading wood from a barge at the long wharf fell overboard; rescued by the hands on board.

Nov. 6th,—A man working in the hold of the steamship "Peruvian," while a bundle of iron was being hoisted was severely injured by the iron falling on him; sent to the hospital.

Nov. 8th.—A hand on board the tug "Dauntless" was killed by the explosion of

a steam pipe leading from the boiler of the tug; Coroner notified.

Nov. 8th.—A seaman belonging to the steamship "Enmore" had three of his fingers cut off while at the winch; conveyed to hospital.

Nov. 11th.—A boy fell into the river at the Commissioners' wharf and would

have been drowned but for the assistance of the constable on duty.

Nov. 12th.—A man was found floating in the canal basin opposite the new flour sheds; removed to his residence; Coroner notified.

Nov. 16th.—A scaman belonging to the steamship "Brooklyn" got the fingers of his right hand broken while working the winch on board; sent to hospital.

Nov. 17th.—A stevedore while attempting to get on board the steamship "Bellona" fell between the vessel and the wharf; was rescued by the hands.

Nov. 18th.—A man employed dredging at Allan's wharf, while standing on the embankment the earth gave way and he was pitched into the river and rescued by the hands of the dredge.

Nov. 20th.—A man got severely injured by a bale of goods falling on him while

loading a truck on the wharf.

Nov. 25th.—A fire broke out on board the steam tug "Messenger," lying in Tate's dock; the fire was, however, soon put out by the hands on board.

Nov. 30th.—The constable on duty heard cries of a man for help, who had fallen

into the river; he, with the assistance of others, succeeded in rescuing him.

May 19th, 1880.—The steamship "Scotland," leaving port, struck against the steamer "Terrebonne." The "Terrebonne" was badly damaged.

May 11th.—A man fell into the river at the Canal Wharf; rescued by the

constable on duty.

May 19th.—A man, while loading a truck in the Allan shed, had one of his

hands crushed; sent to hospital.

May 24th.—A man, white working on board the steamship "Shiek," fell from the upper deck into the hold and was killed; the body was removed to his residence by the constable on duty.

May 24th.—A seaman fell from the revetment wall on the wharf and was very

badly hurt; sent to hospital.

May 25th.—A horse at ached to a buggy ran away on the wharf, smashing the

buggy and injuring the driver.

May 26th.—Two men, while working on board the S.S. "South Tyne," the sling broke, allowing the iron to fall on them; one had both legs broken; the other was badly hurt about the body; both were conveyed to hospital.

May 26th.—A man, while working in the hold of the S.S. "Ontario," a barrel

fell, cutting him severely about the head; sent to hospital.

May 29th.—The tug boat "C.W. Jones," with the barge "Mohawk" in tow, struck against the tug boat "Star," and stove in two of her state rooms.

May 29th.—A man, working on board the steamship "Belze," got one of his legs

severely injured; sent to hospital.

May 29th.—A man, working in the hold of the steamship "Lake Nepigon," a bar of iron fell, severely hurting him; sent to hospital.

May 29th.—A man fell from the revetment wall on the wharf, and was severely

injured; sent to hospital.

June 2nd.—A boy fell into the canal basin and would have been drowned but for

assistance of the constable on duty.

June 4th.—While the ship "Glencairn" was being towed into port, collided with the steamer "Filgate," damaging the upper deck of the "Filgate."

June 4th.—A man was found drowned in the Canal at Black's bridge; Coroner notified.

June 6th.—A hand on board the barge "Lion" accidentally fell into the river and was drowned; the body recovered; Coroner notified.

June 10th.—A sailor belonging to the steamship "Clanden' fell from the deck

into stoke hold; was badly injured; removed to hospital.

June 10th.—A boy fell into the river at the long wharf and was drowned; Coroner notified.

June 13th.—A man fell from the deck of the steamship "Quebec" into the river;

saved by the hands on board.

June 13th —While the steamer "Margaret" was going through the lock at Black's bridge, a man attempted to get on board, missed his footing and fell into the Canal; rescued by the constable on duty.

June 21st .- A boy fell into the canal basin and would have been drowned but

for the assistance of the constable on duty.

June 22nd —Two men, working on board the steamship "Canadian," while carrying railroad iron to the wharf, a bar fell on one of them breaking his leg, and crushing the other man's foot; both sent to the hospital.

June 24th.—A man passing along the wharf fell on a large spike, severely

injuring himself; sent to his home.

June 25th.—A man standing on the Jacques Cartier wharf observing the Quebec boat going out, accidentally fell into the river; rescued by the constable on duty.

June 29th.—The steamer "Bohemian," entering No. 2 Lock of the Lachine Canal, at Montreal, ran against the lock gates with great force, breaking the gates to such an extent that all the water flowed out of the other basins, doing great damage to the barges and steamers, and completely smashing her own bow and damaging the upper deck of the steamer "St. Francis."

June 29th.—A man working on the wharf removing railway iron, a bar fell on

him, causing severe injury.

GEORGE MURPHY.

Chief Government Harbor Police.

RETURN of the Prisoners arrested by the Government Harbour Police of Montreal, for the Fiscal Year ended 30th June, 1880. 57 33 61 65 43 24 .IstoT Protection. : : Уадгапсу. Fighting on the wharves. 9 00 9 : റ : Drunk and refusing to pay : Suspicion of stealing. : Assault and robbery. Officers. their gaitlu gess steamboats. Drunk and fighting on board 10 Sailors disorderly on board : : Body-snatching. : : ø Cruelty to animals. : : : : 9 Bathing in the river. suicide. commit Sundmany : : Drunk and disorderly. 61 Sailors retusing duty on board WDarves : 14 Drunk and fighting on the ::: က Гагсепу. : : Attempting to rob. eo ---Police. Raitsiser рив Drunk 88248 Sailors absent without leave. 25 Wharves. ou tpe Buibeqmi Carters .based no 20000 က 23 Sailors drunk and disorderly Sailors deserting their ships. 22 Assaulting. 2 : : Stabbing. : : : Picking Pockets. 4 Ornnk. 8 & October.... September. December...... farch A pril May Months. 1879. 1880. Rebruary

GEORGE MURPHY, Chief, Gov. Harbour Police.

To H. St. A. Ormond, Esq., Inspector, Gov. Harbour Police, &c., Montreal.

AIPENDIX No. 39.

REPORT OF THE CHIEF OF THE QUEBEC RIVER POLICE FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Quebec, 31st December, 1880.

Sir,—In accordance with your letter of the 17th instant, I hasten to submit for your consideration my Annual Report as Chief of the Government River Police at this port.

Appended you will find a statement showing the number of arrests made by our

force, with a description of the offences and the nationality of the offenders.

On the 1st of May, the force resumed duty with the following staff, viz: The Chief, who is also Shipping Master, at a salary of \$1,200 per annum for the joint offices; with Mr. James Cunningham acting as Deputy-Chief and Steersman of steamer "Dolphin," who receives \$2.15 per day; seven Coxswains (one of whom acts as detective and clerk in the shipping office) at \$1.50 per day, and 20 Constables at \$1 per day, all of whom were, as usual, sworn in for duty before His Honor the Judge of the Sessions.

To the above are to be added two Engineers, at \$39 each per month.

The steamer "Wannonish" being found useless, the "Dolphin" only was used during this season, and in consequence the hours for steamer-service were increased from ten hours daily—the former time—to sixteen hours. The Engineers were told off for alternate work of eight hours each, viz., from 5 a.m. to 1 p.m. and from this latter hour to 9 p.m. Thus a constant and efficient patrol of the river was maintained, and every two hours after the cessation of steamer service, the river was swept in row boats. With the above mentioned number of men duty was performed up to the 14th of same month, on which date ten additional Constables were sworn in, thus increasing the force to the total number of forty.

An addition or bonus of 25c. per day was paid to each of the men, for the

entire season, on the 1st of October.

This favor was granted in recognition of their good conduct, and as a mark of approval for the efficient services of the force as a body.

For this increase the men are very grateful to the Hon. Minister of Marine and

Fisheries.

As the annual statement will show, this year has been an unusually busy one, over three thousand persons having passed through our hands; yet up to the 8th of October it seemed as if it would be my pleasing duty to report that this season was going to be the most peaceable ever experienced at this port.

The fears which had been entertained at the beginning that the different organizations of the Ship Laborers' Society would again seriously disagree, were happily dissipated; an amicable understanding was early arrived at, and all worked in harmony. But on the said 8th of October, there occurred one of those unfortunate

crimes which so often result from intemperance.

A murder was committed on board the ship "Bosphorus;" the guilty party was arrested and committed at the Coroner's inquest for trial before the Queen's Bench, which opened on the 28th of the same month. The verdict rendered in the case was manslaughter, and owing to strong extenuating circumstances,—the prisoner having received great provocation, and all the parties in the affray being more or less under the influence of liquor when the crime was committed,—he was sentenced to but two years in the penitentiary.

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In connection with the now celebrated case of the "Atalaya," which has attracted considerable attention here and in the United States, I was grateful to have had your sanction of my procedure (the items of which were submitted to you at the time) in the matter of said vessel's arrest; and it is also pleasing to know that in all that related to the search of the same, etc., Mr. J. W. Dunscomb, Collector of Customs, to whom the order regarding the same had been forwarded from headquarters, and who entrusted me with their execution, found subject for his approval.

A greater number of vessels than for some years past have visited us this season, and the crimps made extra effort in plying their unworthy calling, using every possible means practiced in their business, and employing every device taught them

by past experience.

As a consequence desertions became frequent, whereupon the force began a vigorous campaign, resolved to crush the nefarious trade. In the several crimping-dens searches were made, and men found hidden between false partitions, floors, presses, imitation spring palliases, cellars, hay lofts, &c., &c. One month's determined action of this nature, showed the crimps that the deserters could not be stowed away in the boarding-houses, and they resorted to the plan of placing the runaways on the Plains of Abraham, and into the neighboring country, keeping them there until such time as the several vessels would leave. This was immediately discovered; for miles round we searched the country, sometimes securing as many as eight deserters in one patrol. In any case where we could trace either enticers or harborers we commenced legal proceedings, so that as a result ten actions were taken for harboring, six for enticing, one for loitering and one for going on board without permission, or in all eighteen actions, in which sixteen convictions were obtained, the other two cases having been dismissed on the ground of insufficient identification.

The effect of this vigorous execution of the law was that the crimps were terri-

fied, and during the latter portion of the season there were but few desertions.

As regards these said convictions a most important point (already reported in my letter of the 20th ultimo), has arisen. A question of jurisdiction was submitted to Judge Casault of the Superior Court, on a test case, in which one of the convicted parties, James O'Brien, was liberated on a writ of habeas corpus. The pretention alleged was that section 104 of 36 Vic., chap. 129 (entitled an Act respecting the shipping of Seamen), gave no jurisdiction to the Judge of Sessions out of sessions. This pretention was maintained—the writ was granted, and, by the liberation of said O'Brien and all of the other parties convicted under the same clause, the convictions were nullified.

In my report of last year, I urged that the jurisdiction in these cases be extended, because of the failure of justice, caused by the sickness and death of Judges Doucet and Holt, respectively; and it now appears to me that urgent steps should be taken to settle this question, and in a specific manner to declare and define the powers of the Judge of the Sessions. I furthermore respectfully represent that as it has already been shown that owing to illness or absence of such judge prisoners have escaped, it would be advisable to extend his powers to the local magistracy in this regard; and it should be remembered that had the flaw in the Act upon which Judge Casault maintained the before stated allegations been discovered in the earlier portion of the year an incalculable amount of mischief and inconvenience to the shipping interest would have occurred.

The execution of the law and the proceedings in connection therewith aroused the fury of the crimps—cries of persecution were raised—some interested parties expressed a maudlin sympathy with the law-breakers, and some tall talk was indulged in in reference to the right of searching and arresting. The question of search is a delicate one, but disinterested and law-abiding persons approved of the police action in vigorously enforcing the means by which crimping would be crushed. I, therefore, submit that the most careful revision of the Act is necessary, and in removing every possible loop hole through which crimps can escape, the Department will have the support of every good citizen. Otherwise the police cannot serve as an effective

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check on this system, which is, in itself, the cause of untold hardships to poor sailors,

and for which humanity itself calls for the severest methods of repression.

In this suggested revision of the Act, I would also recommend that the mode of procedure be changed. At present we proceed by information, and, in lieu thereof, I urge that it should be by warrant of arrest. I would also suggest that the option of a fine should be given in cases where the penalty at present is laid down for the first offence, from three to six months' gaol, say from \$50 to \$100, and in cases where for second and subsequent offences the penalty is from six to twelve months, say from \$100 to \$200. I also believe that such offences might be made bailable, viz.: that immediately after arrest and pending trial the accused may enjoy liberty by depositing in the office of the Chief of the River Police the amount of the fine which

might be imposed were conviction obtained.

Power might also, and with great advantage, be given the Chief of the River Police to take in custody or charge any witness, &c., whose testimony is essential to secure justice. This latter is a practical necessity, for the crimp when he receives the information, immediately attempts, through himself or his friends, to tamper with witnesses, offering tempting inducements to the same not to appear in court, which offers, if not accepted, are supplemented by threats of violence, &c, and too often are the aims of justice thus defeated. Such arrestel witnesses should be treated with all the available comforts which the police station could afford; and in cases where the removal of a witness from a ship would be a source of inconvenience either to the master or to the witness, a sentry might be placed on board to prevent any improper communication with such person. Another clause might be added making liable to arrest and detention for twenty-four hours, any sailor found in boarding houses or loitering on the streets who could not produce his discharge, or a pass signed by the master or mate, showing that such sailor is not absent without leave. To meet this case, the Government could issue blank forms, printed and bound, containing say 100 forms, which might be sold to the captains at the rate of one dollar for every such book—the form to read thus:—

(Vesset's Ivame.)	
No	
PORT OF QUEBEC,	
	•
I, the undersigned, have on this day granted leave of absence to	
for hours from o'clock	•
(Signed)	
Master (or)	Mate

The value of this would be that as captains always report absence without leave and desertions, we immediately could notify such captains that there were in custody certain men who had no passes, and thus afford a chance of speedy identification, which if not made within above stated period of detention, viz., twenty-four hours, would entitle such sailors as were arrested on suspicion to be discharged from further custody.

I also find in the instructions as to the duty and general business of shipping masters, "section twelve of said Act 36 Victoria, chap. 129, being paragraph seven of said section, that it shall be the duty of every shipping master before hiring, &c., to require such seaman to produce his certificate of discharge from his last ship, &c. This paragraph should, in my opinion, be modified, and placed in the language of "instructions to shipping masters, under the Merchants Shipping Act, 1854," viz.: It is desirable that shipping masters should at this time ask for the production of the certificate of discharge from the last ship. They cannot insist upon it, but it has become a general practice and acts as a salutary check on men who have misconducted themselves. I am particular on this point, because I am credibly informed that the crimps lawyers have determined to act against me next year, not as chief of police, but as shipping master, and I desire no loop hole to be left, by which they can so act.

Every seaman without such certificate is an object of suspicion, but when asked for

the same, the reply is "I have lost it."

Behind that assertion I cannot go, and although untrue, as 1 believe, in most cases, it is doubtless true in others. If the shipping master were to positively refuse to ship men who have no proof of discharge he might be inflicting wrong on those who are in good faith, while he would also interfere with trade, and cause a large number of men to remain idle. I desire, in the interest of the Government and of the shipping interest, to have a strict Act, but a reasonable latitude must be allowed to one holding a position in which there are such conflicting duties and onerous responsibility. But if I thus urge the enactment and execution of the most stringent means by which the evils of crimping may be suppressed, I also submit that a measure to prevent their possible recurrence would be of greater public advantage; and such a measure of public good would be secured by making Quebec a port of discharge. At one blow the various violations of the law would be struck down-loitering, enticing, going on board without permission, harboring, absence without leave, and therefore desertion would cease—the police force could be considerably reduced, and the shipping office be made a source of revenue. Then, again, a sailor's home could be founded at a trifling cost (the Government being already possessed of suitable premises) and an immense stride taken towards improving their condition, morally and pecuniarily; and furthermore, such an institution would also be a source of revenue. How far such a step would improve the condition of things at this port can only be properly imagined by an eye-witness of the crimes and sufferings of the land-sharks on the one hand and their victims on the other.

To the making of Quebec a port of discharge no serious objection can be made by shipowners, when it is considered that their crews are not allowed to work in the loading of ships, while wages, maintenance and other items of expenses run on. The incentives to crime on the part of either boarding-house keepers or sailors would be removed; and through the agency of a well conducted shipping office, and from a properly managed sailor's home, master of vessels would be always able to procure good seamen. I am of opinion that wages would remain on a par with that engaged for and paid in England, and did any slight increase occur the difference would be amply compensated for in that maintenance, idle and vexatious lawsuits, &c., would be succeeded by independent action purchased at a small price. I would beg to recall your attention to the suggestions made in my letter to the Department of 19th February last, viz., my several recommendations concerning the mode of selecting the force, over which the Chief is responsible having no control in such selection, the Chief who is looked to by, at once, the Department and the public, may at times find himself unable to have police duties performed in a satisfactory manner, owing to physical or moral incapacity on the part of some of the men. The numerical strength of the force is already too little to suffer any diminution, owing to the large amount of duty to be performed. Hence the selection of any incompetent man is an injury to the public in a double sense, a deprivation of effective power to the force, and a charge upon the public service without adequate return of service.

I also suggested an improvement in the equipment of the men. This has been partially made by the Department in supplying them with revolvers, but, to be fully effective, I believe that a short rifle, such as is used by the River Police of Montreal, should be furnished in lieu of the revolver. Cases of grave emergency have occurred here and most likely will again, and, therefore, the rifle would serve as a stronger

repressive agent than the revolver.

I, furthermore, recommend the establishment of telephonic communication hetween my office and five certain centres in this harbour, such as Hall's Booms, Sillery, Bridgewater, New Liverpool and Indian Cove, thereby enabling captains requiring police protection, whose vessels lie at points distant from speedy reach of the police station, to secure such assistance with the least possible delay. The boom owners near such berths would readily avail themselves of such a convenience; their clerks would attend to it during the day, while their watchmen would look after it during the night; and the cost of its introduction and maintenance would not exceed

\$40.00 per year for each telephone. Circulars could be issued informing captains of its existence, and its great value would be that the force would in each case know its precise locality and nature, and thus be enabled to proceed with whatever measure of strength that would be necessary to maintain order and enforce the law.

Another and most important improvement required is that of a seaworthy and speedy going steamer, with a power sufficient to at least run fifteen knots an hour. The service suffers considerably at present from the lack of such improvement, and in my said letter I gave several instances in which the steamer now in use proved to be wholly inadequate to perform the requisite duty. The operations during the present year have further convinced me of the almost indispensable nature of this improvement.

It has occurred to me that very important assistance could be rendered in saving life and property towards the close of navigation, and when the river is filled with floating ice, were a cance, such as is used by boatmen in plying at this season between Quebec, Lévis and other adjacent points, placed at my disposition by the Department.

For such service eight men should be chosen from the force and properly equipped with long boots, &c., and might be called the Salvage Corps of the River Police. To prove the utility of such proposed service, I may cite the recent cases of wrecks, viz.: the S.S. "Ottawa" and the "Boyne," in which, with such a canoe, and manned by eight of the best men under my command, it would have been in my power to save thousands of dollars worth of property. In considering this recommendation I would ask you to remember that ordinary boats are useless at the times I speak of, and that points desired to be reached cannot be arrived at except in a canoe.

The interests of humanity impel me to recommend the Department to provide appliances for the removal of invalids, or of persons suffering from accidents, &c. Frequently I have observed the greatest agony endured by some unfortunate victim who has to be placed on perhaps a plank and thence in a vehicle not at all suitable for his removal to hospital. For this purpose stretchers might be provided, and an easy ambulance should also be furnished. I am confident that this addition to the improvements I suggest, would receive the unqualified approval of the community, while it would assuredly mitigate suffering, and in many cases prevent death.

That the moral elevation of seamen is no less desirable than praiseworthy cannot be denied. With a higher standard in this respect many of the crimes and misdoings which entail punishment and suffering on poor sailors would cease, and an improved tone be given to the mercantile marine. Hence I would urgently press upon the clergymen of all religious denominations the importance of attending to this matter. This port is annually visited by seamen of all nationalities and creeds, and a good advice or heartfelt exhortation would, no doubt, at times arouse the sensibilities of those hardy men whose lives are spent in an occupation involving continual peril and constant danger.

The Rev. Mr. Davis, already uses the police boats as a means to bring himself in contact with the sailors on board, and captains gladly avail themselves of his presence, hoping that in reminding their men of the moral and Christian duties they owe to their Creator and themselves, he may also serve as an instrument to promote sobriety, peace and, consequently industry and attention amongst the crews. Subject to permission and approval of the Department, any and all clergymen may use the services of the force to the end of furthering moral improvement amongst seamen, and I respectfully draw the attention of the Roman Catholic and Norwegian clergymen to this point, which, if followed up, cannot fail to have a most salutary effect.

I have had the honour of already informing you that my efforts to discharge my duty in a proper manner, received an expression of marked approval from the Consul of Sweden and Norway, as also from the captains who visited this port during the past year. These testimonials as to the efficiency of the force were followed by an address of confidence from the men under my command; and I respectfully hope, that as the mercantile community have, in my humble person, recognized the value of the force, and as this latter has amply shown the esprit de corps, which is necessary in order to have an effective police service, the Hon. Minister of Marine and

Fisheries may give this report, and the several suggestions contained therein, his approval and sanction.

The whole humbly submitted.

I have the honour to be, Sir,

Your obedient servant,

BENJ. TRUDEL,

Chief, River Police and Shipping Master.

WILLIAM SMITH, Esq., Deputy Minister of Marine and Fisheries, Ottawa.

STATEMENT of Arrests made at the Port of Quebec by the Government River Pelice, from 1st May to 30th November, 1880.

	- c		
Offences.	Number.	Nationality.	Number.
Desertion Absence without leave	1 6 3 10 4 1 6 10 1 3 5 23 16 2 5 3 1	England Scotland Ireland. Norway United States Sweden Germany. France West Indies. Finland Spain Denmark Wales Newfoundland Austria Jersey St. Helena Italy Portugal Greece. Australia Isle of Man. China. Ionian Islands Switzerland	2 9 15 7 2 2 2 2 1
	705		7(5

To the above amount of arrests should be added the following number of seamen who have also received the services and care of the River Police, as hereinafter mentioned:—

Seamen and their effects put on board their respective ships from shipping office	261 217 39 304
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GOVERNMENT RIVER POLICE OFFICE, QUEBEC, 31st December, 1880.

APPENDIX No. 40.

REPORT OF THE PORT WARDEN FOR THE PORT OF MONTREAL, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

MONTREAL, 31st December, 188):

Sir,—I have the honour to submit this, my Annual Report of the affairs of the office during the past year, accompanied by statement of receipts and expenditure

during that period.

Navigation opened here this year about the same time as the two preceding years. The first arrival from sea was the steamship "Prussian," on the second of May; but up to the fifteenth of May we had only fifteen arrivals, the great bulk of the spring fleet having been delayed by ice in the Gulf, which was more than usually large in quantity, as well as more formidable and destructive than it generally is in the spring of the year; eighteen of the early arrivals were more or less injured by it, and some of them came into port with their forward compartment full of water.

The season closed somewhat abruptly by the unexpectedly sudden formation of ice in the river on the 21st November and subsequent days. The steamships "Peruvian" and "Dominion," the last of our sea-going vessels, hurriedly left port on the twenty-first day of November; they did not, however, get farther than Sorel, where they are detained for the winter, the river being full of ice, making it unsafe

for them to proceed to sea.

This sudden and unexpected closing of navigation so much earlier than usual has had most disastrous effects. Amongst other serious losses might be mentioned the stranding of the ship "Boyne" and steamship "Ottawa," which left port on the twentieth of November, near Cap la Roche, the whole of their valuable cargoes being almost a total loss. Two grain-laden vessels, viz.: the "Scotia" and "Cerere," which left this port on the nineteenth of November, have got no farther than Quebec, where they must remain all winter. The former of these vessels sustained considerable injury by the ice cutting into some of her planks.

The volume of business done this year in shipping has been largely in excess of any preceding year, and the amount of work done in this office has consequently increased, so much so that our present permanent staff could not overtake it, and we were obliged to get temporary assistance to help us through with our out-door work.

In view of the increasing trade of the port, and the much greater extent of the harbour, now extending from the Windmill Point to the Hudon Cotton Factory at Hochelaga, it might be desirable to increase the permanent staff so as to meet

promptly the increasing demand for our services.

There were four hundred and fifty-two (452) ships, viz.: two hundred and sixty-seven (267) steam, and one hundred and eighty-five (185) sail, entered on the books of this office this season, with an aggregate tonnage of five hundred and thirty-five thousand one hundred and three (535,103) tons, which gives the average tonnage of each ship, eleven hundred and eighty-four (1,184) tons, showing an excess over last year of sixty-eight ships, with a tonnage of ninety thousand five hundred and twenty-nine (90,529) tons. One noticeable feature in this connection is the fact that the increase in steamships is gradually, year by year, becoming greater than the increase in sailing ships.

Ever since the present law came into force, in the year eighteen hundred and seventy-three (1873), making it compulsory for every grain-loading vessel to load under our rules, we have had no missing ships or ships lost from overloading or shifting of cargo, from this port. I am happy to say this year is no exception, none having been lost from these causes. Some very heavy gales of wind swept over the Atlantic in the autumn and early winter months; some ships suffered very severely, and many more sustained more or less damage, but so far as I can learn there are none of them missing.

The shipments of grain were very large all the first and latter part of the season, but there was a lull or slack time for several weeks in August and September, when they fell off very much, still there was, on the whole, a large business done, far in excess of any previous year, the total shipments being twenty million four hundred and nineteen thousand eight hundred and eighty-five (20,419,885) bushels, which is three million two hundred and sixteen thousand three hundred and ninety-one (3,216,391) bushels more than last year. On the opening of navigation I received instructions from the President of the Board of Trade to charge no export fees on

grain, so our receipts have derived no benefit from them.

The export of cattle has also very much increased, and is larger than in any previous year. Some of the objectionable features connected with this business—which I had occasion to refer to in my two last annual reports—still exist, viz.: ships leaving port with their upper decks too much lumbered up with cattle stalls, and some having even sheds for sheep erected above them, besides the practice of carrying a large quantity of cattle feed on top of the sheds is a very dangerous one, and exposes the ship to great risk of fire. A consequence of the above has been that during the very tempestuous weather that was experienced on the Atlantic during the month of November, heavy losses were sustained by shippers of both cattle and sheep, from their being washed overboard, or drowned in the large quantities of water by which the decks were frequently deluged.

The shipments of butter, cheese, apples, phosphates, and deals were also in excess of previous years, the increase in the amount of export fees collected on these and some other articles go in great measure to make up for the loss of revenue on

grain

In the month of June this year the Government at Ottawa requested the Council of the Board of Trade to send one of their port officials to London to give evidence before a Committee of the British House of Commons respecting the loading of vessels at Montreal. The Council deeming it important that the official head of the office should remain at headquarters sent Mr. Shaw the Deputy Port Warden on that service. Mr. Shaw received at the same time verbal instructions from the President of the Board of Trade to visit some of the principal grain receiving ports in Great Britain to see how grain from other countries than Canada was carried, with a view to get information that would be useful to the office.

Mr. Shaw's evidence before the Committee helped to prove among other things that our present system of loading grain partly in bulk and partly in bags is better than loading all in bags. During Mr. Shaw's absence in England, Mr. Hugh Barclay, a gentleman well qualified for the position, was appointed a Deputy Port Warden to

assist me in carrying on my work.

The business of discharging and loading ships in this harbour by stevedores still continues in a very unsatisfactory state, and will so continue so long as the law allows unlicensed and unskilled persons to exercise that calling. In my last three annual reports I have called the attention of the Board to this matter, and suggested a remedy, viz., to expunge clause 8 of 28 Vic. chap. 14, entitled an "Act to regulate the business of Stevedores and Liners in the harbour of Montreal," but hitherto no action has been taken.

The books and accounts of the office for the year ending this day have been examined by Mr. Simpson, the Auditor appointed by the Council of the Board of Trade to audit them, and have been found correct.

I have been ably assisted in the performance of my official duties by the members of my staff, all of whom have performed their duties in a proper manner and to my satisfaction.

I am, Sir, yours most respectfully,

DAVID ROSS KERR,

Port Warden.

To the Hon. J. C. Pope,
Minister of Marine and Fisheries,
Ottawa.

PORT WARDEN'S OFFICE.

DR. STATEMENT of Cash Account for year ending 31st December, 1880.

Cr.

E. & O. E.

D. ROSS KERR,

Port Warden.

APPENDIX No. 41.

REPORT OF THE PORT WARDEN FOR THE PORT OF QUEBEC, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

QUEBEC, 31st December, 1880.

SIR,—I have the honour to submit this my Annual Report on the affairs of this office during the year ending this 31st December, 1880, accompanied by the amount of fees collected and expenses during the past year.

I beg to report that on the 7th July, 1880, J. W. Holmes, master of the ship

"Souvenir," 828 tons register, was served with the following notice:-

SIR,—I beg to notify you that your vessel the "Souvenir," now in this harbour, is unseaworthy from over-loading, and request that you will have her put in a fit state to proceed to sea, by removing deck load or otherwise; also that you are not to leave this port until the required conditions are fulfilled.

(Signed,) John Dick,

Port Warden.

The above notice having been treated with silent contempt, the vessel proceeded to sea, setting aside "an Act to amend the Acts relating to Port Wardens at Montreal and Quebec (assented to 3rd May, 1873), section 6."

I most respectfully solicit your attention to my report of 31st December, 1879,

and the remarks therein contained.

The increasing trade with cattle from this port has been most satisfactory with that care exercised before shipment, also the care exercised after having been placed on board.

This season has passed without difficulty, no complaints have been lodged in this office.

\$1,666 50

Respectfully submitted,

JOHN DICK,

Port Warden.

WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

APPENDIX No. 42.

REPORT OF THE PORT WARDEN OF THE PORT OF HALIFAX, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

Halifax, N.S., 31st December, 1880.

Sir,—I have the honour to submit my Report of the affairs of this office, accompanied by a statement of the fees collected and the expenditure incurred, and by a list of the damaged vessels upon which surveys have been held during the year now ended.

The brigantine "America," referred to in my Report of last year, after having been repaired, reloaded her cargo and sailed for her destination. She encountered boisterous weather during the pa sage, and put into a port on the west coast of Ireland, where her cargo of pease was sold by order of the surveyors. The barque "Ada Barton," also referred to in the said report, was towed to St. John, N.B., to be

repaired.

The brigantine "Kate McDougall," on a voyage from Nassau to Liverpool, N.S., in ballast, was stranded at the entrance of this harbour. She was taken off and placed upon the marine railway, where a survey was held upon her and the necessary repairs recommended to be made, accompanied by an estimate of the cost. The repairs recommended to be made were not completed. She loaded a cargo of lumber at this port, and sailed for the West Indies; no certificate of seaworthiness having been given by me previous to her sailing. Upon the passage she encountered boisterous weather and was subsequently abandoned water-logged.

The brigantine "M. P. Harrington" arrived at this port in distress, on a voyage from New York, bound to Monte Video, with a cargo of seed wheat in bags. A survey was held upon the cargo, which was found to be so badly damaged by water and sweat, the ground tier being completely rotten, that it would all have required to be kiln-dried, at a heavy expense, previous to re-shipment. The shippers in New York and "Lloyds," in London, where the cargo was insured, were notified of its condition, and instructions were received by Lloyd's agent here to dispose of it to the best advantage. It was subsequently sold by tender.

The barque "Bella Mudge" is now in port undergoing repairs. No repairs

have, as yet, been made to the brig "Ann."

All the vessels that arrived at this port in a damaged condition, to which certificates of seaworthiness were given by me, were satisfactorily repaired, and those of them destined with their cargoes to other ports (with the exception of the "M. P. Harrington") reloaded their cargoes, and have all arrived safely at their destination,

with the exception of the brigantine "America" above alluded to.

The barque "Chili" is now being prepared to load a cargo of grain, at Richmond, for a European port. Although the facilities for loading grain cargoes are not all that could be desired. I think that with the arrangements made, the vessel will receive reasonable despatch. With the deep-water terminus of the Intercolonial Railway at Richmond, and facilities for handling grain cargoes with dispatch, I venture to hope that a portion of the products of the west will increasingly find an outlet by this harbour to European and other ports during the season the navigation of the St. Lawrence is closed.

I have the honour to be, Sir,
Your obedient servant,
DAVID HUNTER,
Port Warden.

WILLIAM SMITH, Esq.,
Deputy Minister of Marine and Fisheries,
Ottawa.

RECEIPTS and Expenditure of the Port Warden, Halifax, N.S., from 1st January to 31st December, 1880.

DR.			Cr.	
To Fees for surveys of hatches, storage and damaged goods Fees for survey of vessels damaged Fees from all other sources	936 00	By Paid fees to Assistants Paid office expenses, printing, stationery, etc Balance carried down	\$ 589 313 1,371	79
	\$2,274 35		\$2,274	3 5
To Balance brought down	\$1,371 56	By Amount reverting to Port Warden	\$1,371	56

E. and O. E.

DAVID HUNTER,

Post Wasden.

HALIFAX, N.S., 31st December, 1880.

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List of Damaged Vessels Survoyed by Port Warden, Halifax, N.S.

	, irgo
Nature of Damage.	Barquet. Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, Liverpool, G.B. Saltimashp, C.B. Saltimash
Description of Cargo.	Salt Derelict Standed Grain Salt Standed Grain Standed Stranded Gameral cargo Ghafed by ice; s Salt General cargo Ghafed by ice; s Salt General cargo Go General cargo Go General cargo Go General cargo Go Go Go Go Go Go Go
Where Bound.	Rayle
Where From.	Barque
Rig.	
Port of Registry.	Royal Arch Sunderland, G B Barque Bullia Grace Halifax, N.S. Schooner. Halifax, N.S. Brigantine. Bristol, G.B. Barquentine Bliste Ker Golden Halifax, N.S. Brigantine Elsie Ker Halifax, N.S. Brigantine Rate McDougall Halifax, N.S. Brigantine Rate McDougall Halifax, N.S. Brigantine Burdue Golimstad Golimstad John McDermott Golimstad John McDermott Golden Barque Golden Barque Golden Barque Golden Barque Golden Barque Barque Golden Barque Golden Barque Barque Golden Golden G.B. Barque Golden Golden G.B. Barque Ancadia Ander Glasgow, G.B. Barque Ander Glasgow, G.B. Barque Ander Glasgow, G.B. Barque A. McLeod Glasgow, G.B. Barque Barque A. McLeod Glasgow, G.B. Barque Barque A. McLeod Glasgow, G.B. Brigantine M. P. Harrington Liverpool, N.S. Brigantine Emiline Jenkins Emiline Jenkins Emiline Jenkins Barque Golasgow, G.B. Steamship Copornac Emiline Jenkins Barque Golondon G.B. Steamship Albambra Litorpool, G.B. Steamship Albambra Glasgow, G.B. Steamship Albambra Glasgow, G.B. Steamship Albambra Barque Golondon G.B. Steamship Litorpool, G.B. Steamship Albambra Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Barque Glasgow, G.B. Steamship Barque Barque Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Glasgow, G.B. Steamship Glasgow, G.B. Steamship Glasgow, G.B. Steamship Barque Glasgow, G.B. Steamship Glasgow, G.B. S
Name of Vessel.	Royal Arch Halifax, N.S. Buropean Liverpool, G. Violet Halifax, N.S. Buropean Halifax, N.S. Bristol, G.B. Daisy. Fila B. Sunbean Gramberland, C. Rate McDougall Halifax, N.S. Sunbean Grimstad. Chlorus Grimstad. Chon McDermott Halifax, N.S. Hoppit. Cumberland Grimstad. Cumberland Grimstad. Chon McDermott Halifax, N.S. Hoppit. Cumberland Grimstad. Charlian. Margarethe Blanca. Andlean Halifax, N.S. Annanda. A. Starr. M. A. Starr. M. A. Starr. M. A. Starr. M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. M. A. Starr. M. A. Starr. M. A. Starr. M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. Charlottetow M. A. Starr. M. Charlottetow M. A. Starr. M. Charlottetow M. A. Starr. M. Charlottetow M. A. Starr. M. M. Starr. M. S. M. S. M. M. Starr. M. M. Starr. M. M. Starr. M. M. Starr. M. M. Starr. M. M. St

APPENDIX No. 43.

REPORT OF THE PORT WARDEN FOR THE PORTS OF VICTORIA AND ESQUIMALT, B. C., FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

STATEMENT of Receipts and Expenditure connected with the office of Port Warden for the Ports of Victoria and Esquimalt, from January 1st to December 31st, 1880.

Date.		Amount,	Total.
1880. Feb. 25 do 26 April 3 do 19 April 3 do 19 do 10 do 10 do 12 do 21 do 3 do 21 column do 21 do 3 do 22 do 3 do 22 do 23 do 27	do do do "Sythet"	4 00 5 00 16 00 5 00 4 00 54 00 2 00 10 00 0 50 5 00	\$ cts.
	on account of allowance for salary		215 50

I certify that the above account is correct.

JEREMIAH NAGLE,

Port Warden.

Sworn before me, at Victoria, B.C., this 8th day of January, 1881.

APPENDIX No. 44.

REPORT OF THE PORT WARDEN FOR PRINCE EDWARD ISLAND, FOR THE CALENDAR YEAR ENDED 31st DECEMBER, 1880.

CHARLOTTETOWN, 20th December 1880.

Sir,—I have the honour herewith to transmit my Report from date of appointment, 15th May, to 20th December, 1880.

I regret to say that we have had an unusual early close of navigation, which

prevented more produce being shipped from the Island this season.

I feel convinced that the new method of placing dunnage and shifting-boards will greatly add to the safety of ships and cargoes in the future.

There are two ports still open at which vessels are loading, viz., Souris and

Georgetown. I will have to report hereafter.

I may here remark that while I consider vessels clearing from this Province fit to carry their cargoes to its destination, yet some are deficient in many respects, not being supplied with a sufficient number of boats.

I would most respectfully suggest that the Port Warden should have power to compel masters of ships of 200 tons and upwards to have two good boats, well equipped, and two or more life-buoys, and to submit to an examination of compasses, log-lines, hand and deep-sea leads, side-lights, anchor-lights, fog-horn, &c.

The above suggestions I respectfully submit as they tend materially to the safety

of ships.

I am, Sir,

Your obedient servant,

H. P. WELSH,

Hon. J. C. Pope,
Minister of Marine and Fisheries,
Ottawa.

Port Warden.

RECEIPTS and Expenditure of the Port Warden, Prince Edward Island, from 15th Cr. May till 20th December, 1880. Dr.

1880. To revenue derived from grain-loaded vessels Fees on damaged goods Other surveys	413 60	By Office rent	\$ ct 40 00 4 70 28 20 4 50 35 20 10 00 43 70 288 10	0 5 0 0 5 0 5 0
	454 60		454 6	0

H. P. WELSH,

Port Warden.

APPENDIX No. 45.

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, 1880.

OTEREC

Seamen Seamen Seamen Seamen Seamen Seamen Seamen Seamen Seamen Seamen Seamen Seamen Sipped Charged Amount. Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged Shipped Charged				For Half-y	For Half-year ended 30th June,	30th June,	For Ha	For Half-year ended 31st December, 1880.	ed 31st			
Amount. Seamen Samen Banen Seamen Distributed. Shipped. charged. charged. Amount. Shipped. charged. charged. \$ cta. Nil. \$ cta. \$ cta. 1,491 174 6 50 Nil. Nil. 13 134 1434 204 80 933 331 565 80 1,307 434 Nil. Nil. Nil. Nil. 134 134 Nil. Nil. Nil. 134 134 134 Nil. Nil. Nil. 134 134 134 Nil. Nil. Nil. 134 134 134 Nil. Nil. Nil. 134 134 134		Memo	Nome							Total	Total	,
\$ cta. Nil	Name of Port.	County.	Shipping Master.	Seamen Shipped.	Seamen Dis- charged.	Amount.	Seamen Shipped.	Seamen Dis- charged.	Amount.	Seamen Skipped.	Seamen Dis- charged.	Total Amount.
6 50 Nil 639 80 204 80 933 331 565 80 Nil 70 0 Nil 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						i			\$ cts.			cts.
6 50 Nil 639 80 204 80 933 331 565 80 Nil 700	Co Trecoumsins	Bonaventure	John E. Barry	:	Nil			Nil				
308 13 157 90 1,183 161 639 80 13 6 50 Nil	Gaspé	Gaspé	Ernest Têtu		Nil			Nil	:			
308 13 157 90 1,183 161 639 80 13 6 50 Nil. Nil. Nil. Nil. Nil. S65 80 374 93 204 80 933 331 565 80 Nil. Nil. Nil. Nil. Nil. NII. Nil. Nil. Nil. NII. Nil. Nil. Nil.	Magdalen Islands	Gaspé	J. J. Fox		Nil			Nil				
13	Montreal.	Montreal	Geo. Smith		13	157 90	1,183	161	639 80	1,491	174	797 70
374 93 204 80 933 331 565 80 Nil	New Carlisle	Bonaventure	W. Montgomery			6 50		Nil		13		6 50
374 93 204 80 933 331 565 80 N11	Percé	Gaspé	G. LeBoutillier				•	Nil.				
Nil. Nil. Nil. Nil. Nil. Nil. Nil. Nil.	Onepec	Quebec	B. Trudel		93	204 80	933	331	565 80	1,307	434	770 60
N11 N11 N11 N11	Rimouski	Rimouski	Р. L. Свитеви	į	Nil		•	Nil			•	
Sorel Richelieu G. Peltier Nil Nil Nil Nil Nil Nil Nil	St. John's.	St. John's	E. D. Philips		Nil	:		Nil	:			:
Three Rivers Three Rivers A. A. Lantier	Sorel	Richelieu	G, Peltier		Nil			Nil				
	Three Rivers	Three Rivers	A. A. Lantier		Nil			Nil				

States	ient showing	Statement showing results of certain Returns respecting shipping and discharging of Seamen, &c.—Continued NEATEMENT showing results of certain Returns BRUNSWICK.	n Return	s respecti NEW BRI	respecting shippi new brunswick.	og and di	scharging	of Seame	n, &c.—C	ontinued.	
	,		For Half-	rear ended 1880.	For Half-year ended 30th June, 1880.	For H	For Half-year ended 31st December, 1880.	ed 31st 30.	- - - -	Total	
Name of Port.	Name of Ocunty.	Name of Shipping Master.	Seamen Shipped.	Seamen Dis- charged.	Amount.	Seamen Shipped.	Seamen Dis- charged.	Amount.	Shipped.	Seamen Dis- charged.	Total Amount.
Alma Albert	Albert	Robert Wright	18	4	\$ cts.	10	9	\$ cts.	28	10	\$ cts.
Bathurst Gloucest	Gloucester	W. J. O'Brien		9	1 80	21	***************************************	1 00	87	9	2 80
Buctouche	Kent	R. Douglas		Nil.		-	œ	5 90	1-	· σ	2 30
Chatham Northumberl'd J. J. Brown	Northumberl'd	J. J. Brown	75	33	47 40	178	40	101 00	253	73	148 40
Cocagne Kent	Kent	A. K. Dysart		Nil	•	x 0	-1	6 10	8	4	6 10
Dalhousie Restigouche W. Montgomerie	Restigouche	W. Montgomerie	-	•	0 20	9	20	4 50		70	2 00
Fredericton York	York.	A, F. Street		Nil.		•	Nil				:
Grand Manan Charlotte	Charlotte	T. Wooster	24	12	15 60	88	19	25 20	63	31	40 80
Harvey Albert	Albert	W. J. Reid	22	က	11 90	9	4	4 20	28	2	16 10
Hillsborough Albert	Albert	W. E. Stevens	•	Nil		23	13	15 40	23	13	15 40
Lepreaux Oharlotte	Charlotte	G. K. Hanson		Nil	•••••••••••••••••••••••••••••••••••••••	***************	Nil				:
Moncton Westmore land J. W. Binney, acting	Westmoreland	J.W.Binney, acting		Nil.		43	38	32 00	43	35	32 00
Musquash St. John.	St. John	А. Т. Dunn	10	64	2 60		Nil	:	10	81	2 60
New Bandon Gloucester	•	F. J. Foley		Nil	•		Nil	:		:	
Newcastle Northumberl'd R. B. Haddow	Northumberl'd	R. B. Haddow	10	4	3 70	80	63	4 60	13	9	8 30
North Joggins Westmoreland Rufus Cole	Westmoreland	Rufus Cole	13	=	9 30	16	11	11 30	28	22	20 60

										1		`			 , .							_
11 10	62 20	41 70	107 70	4 00	2,821 10	24 80	08 6	0 20		24 10	•	17 90	:	7 50	137 50	:		12 50	00 9	32 00	151 30	3 50
	69	30	84		2,272	41	9			1	:	89		rc.	140		:		:	25	186	
18	68	09	165	80	4,279	25	16	-		44		121		12	191			25	13	49	191	-
1 60 1	27 90	27 10	52 50	:	1,397 10	10 30	5 80	0 20		19 70		28 90		3 00	08 69	•		6 50	00 9	13 80	100 20	***************************************
4	53	27	40	Nil	1,212	11	9	•		4	Nil	18	Nil.	•	81	N.11	Nil		•	91	124	Nil
11	84	88	18	•	2,067	14	œ	1		37		47		9	90			13	12	18	126	Nil.
3 56	4 30	14 60	55 20	4 00	1,424 00	14 50	*		COTIA.	4 40		00 67		₹ 20	68 20			00 9		18 20	61 10	3 20
	9	12	44	7,	1,060	98		Nil	NOVA SCOTIA	6	Nil	40	Nil	20	63	Nil	N11		N11	6	62	
1.4	2	22	84	00	2,212	11	80			7		4.2		9	101			12	•	31	65	7
J. Carson	John Rusk	J. D. Dixon	Samuel Billings	James McKay	Allan McLean	Н. Webber	Hon. D. Hanington	Henry A. Sormany		James Ward	Nathan Tupper	A. Fullerton	R. Grant	J. W. Ward	D. O'C. Madden	D. McDonald	A. Cameron	D. Sargent	E. G. Randall	J. V. Stuart	T. H. Miller	R. Perry
St. John	Kent	Westmoreland	Charlotte	Charlotte	St. John	Charlotte	Westmoreland	Gloucester		Cumberland	Cumberland	Annapolis	Antigonish	Cumberland	Richmond	Victoria	:	Shelburne	Antigonish	Digby	Digby	Colchester
Quaco	Richibucto Kent John Rusk	Sackwille Westmoreland J. D. Dixon	St. Andrews Charlotte Samuel Billings	St. George Charlotte James McKay	St. John St. John Allan McLean	St. Stephens Chariotte H. Webber	Shediac Westmoreland Hon. D. Hanington	Shippegan Gloucester		Cumberland	Amherst Cumberland.	Annapolis Annapolis A. Fullerton	Antigonish Antigonish R. Grant	Apple River Cumberland	Arichat Richmond D. O'C. Madden	Aspey Bay Victoria	Baddeck Victoria	Barrington Shelburne D. Sargent	BayfieldAntigonish	Beliveau Cove Digby	Bear River Digby T. H. Miller.	Beaver River Colchester R. Perry

STATEMENT showing results of certain Returns respecting shipping and discharging of Seamen, &c.—Continued.

			NOVA		SCOTIA—Continued.	ed.					
	Nome N	Name	For half-y	For half-year ended 30th June,	oth June,	For he	For half-year ended 31st Decembor, 1880.	ed 31st 80.		Total	
Name of Port.	County.	of Shipping Master.	Seamen Shipped.	Seamen Dis- charged	Amount.	Seamen Shipped.	Seamen Dis- charged.	Amount.	Shipped	Seamen Dis- charged.	Total Amount.
					& cts.			S cts.			\$ cts.
Bridgetown Annapolis	Annapolis	S. S. Ruggles	מּ	1	2 80	9	9	4 80	=	-1	09 4
Bridgewater Lunenburg	Lunenburg	W. M. Duff	88	69	67 20	126	180	87 30	219	150	154 50
Canada Creek King's	King's	C. V. Rawling	20	20	16 00	22	24	18 20	42	44	34 20
Canso Guysboro'	į	J. W. Young	φ		3 00	27	11	16 80	33	11	08 61
Clementsport Annapolis	Annapolis	G. F. Ditmars	22	30	21 50	54	54	43 20	62	2	64 70
Cornwallis King's	King'8	E. Rand	138	8	87 00	102	20	57 00	240	80	144 00
Cow Bay Cape Breton Isaac Archibald	Cape Breton	Isaac Archibald	33	x 0	18 40	54	29	35 70	98	37	24 10
Digby Digby	Digby	Botsford Viets	30	10	13 00	32	27	24 10	52	37	37 10
Freeport Digby	Digby	Issiah Thurber	4	4	3 20	69	es	2 40	4	-1	5 60
French Gross King's		J. E. Horpen	4	:	3 00	es	4	2 70	2	4	02 7
Great Bras d'Or Cape Breton	Cape Breton	D. Campbell	10		2 00		Nil.		10		2 00
Guysboro' Guysboro' J. A. Tory	Guysboro'	J. A. Tory	ю		2 50	63	2-	3 10	4	1-	5 60
Halifax Halifax		Asa B. Bligh	1,567	1,142	1,126 10	1,772	1,215	1,250 50	3,339	2,357	2,376 60
Hantsport Hants		Wm. Davison	•••••	Nil	:		Nil	:			
Harbour au Bouche Antigonish	Antigonish	E. Corbet	28	•	14 00	12	23	12 90	40	23	26 90
Harbourville King's Henry Morris	King's	Henry Morris	70	80	12 40	13	8	06 8	33	16	21 30

STATEMENT showing results of certain Returns respecting shipping and discharging of Seamen, &c.-Continued.

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-	Nome	Name	For Half-	For Half-year ended 30th June,	30th June,	For Ha	For Half-year ended 31st December, 1880.	ed 31st 80.	Total	Total	E
Name of Port,	County.	Shipping Master,	Seamen Shipped.	Seamen Dis- charged,	Amount.	Seamon Shipped.	Seamen Dis- charged.	Amount.	Seamen Shipped.	Seamen Dis- charged.	Amount.
					& cts.			& cts.			es cts.
Port Gilbert Digby	Digby	R. Sanderson	52	-	26 30	99	86	62 40	118	66	88 70
Port Hood Inverness	Inverness	E. D. Tremain		Nil		69		1 00	2		1 60
Port la Tour Shelburne	Shelburne	J. W. Taylor	18	17	14 10	4	63	2 60	22	19	16 70
Port Medway dueen's	Queen's	J. J. Letson	28	44	42 20	41	33	30 40	66	11	72 60
Port Mulgrave Guysboro'		D, Murray, jr	10		2 50	14	63	09 2	19	63	10 10
Port William King's	King's	G. S. Lockwood	×0		2 50	30	1	15 30	38	H	17 80
Pubnico Yarmouth		P. S. D'Entremont	45	:	22 50	27		13 50	72		36 00
Pugwash Gumberlan	Cumberland J.	J. H. Black		Nil		19	9	11 30	19	9	11 30
Ratchford's River Cumberlan	Cumberland	d F. F. Hatfield	21	νς.	12 00	No return	return received.				
Richmond Richmond	Richmond	A. McDonald	••••••••	Nil		•	Nil				
St. Ann's Cape Breton D. McAuley	Cape Breton	D. McAuley		Nil		-1		3 20	-	***************************************	: 20 20
St. Mary's River Guysboro'.	Guysboro'	A. F. Falconer	67		1 00	4			9		3 00
St. Peter's Richmond	Richmond	Donald Urquhart	20		10 00	•	Nil	:	20	•	10 00
Sheet Harbour Halifar M. Macfarlane	Halifax	M. Macfarlane		Nil	:		Nil				3
Shelburne Shelburne		W. F. Atwood	66		49 50	47	9	25 30	146	ø	74 80
Ship Harbour Halifax		Edgar Hill		Nil			Nil		•••		*************

South Bar'Cape Breton		P. Hullins		'Nil		' Nil.	Nil				•••••••••••••••••••••••••••••••••••••••	===
Sydney Cape Breton	Cape Breton	R. J. Ingraham	13	4	7 20	No return	received.					
Thorne's Cove Annapolis E.	Annapolis	E. H. Porter	43		21 30	8	11	7 30	20	12	28 60	
Truro Colchester	Colchester	J T. Crowe	:	Nil			Nil.					
Tatamagouche Colchester,	Colchester,	J. A. G. Campbell	•	1	0 30	:	1	0 30		-23	09 0	
Wallace Gumberland.	Cumberland	W. McNab		Nil		10	6	7 70	10	6	7 70	
Walton Hants A. McN. Parker.	Hants	A. McN. Parker		Nil		18	10	12 00	18	10	12 00	
Weymouth Digby Sterns Jones	Digby	Sterns Jones	28	7	16 10	No return	return received.					
Windsor Hants E.	Hants	E. O'Brien	33	41	28 80	18	35	54 00	120	92	82 80	, ======
Wilmot Annapolis	Annapolis	G. B. Reed	22		2 50		Nil.		20		2 50	
Yarmouth Yarmouth	Yarmouth'	C. W. Clements	195	167	147 60	345	245	246 00	540	412	393 60	
35			PRI	PRINCE EDW	EDWARD ISLAND	ND.						
Cascumpec		Jas. F. White No returns	No returns									-
Charlottetown, Queen's	Queen's	Wm. Koughan	177	64	112 20	297	251	223 80	474	330	336 00	
Crapaud Queen's	Queen's	S. J. B. Leard	80	10	1 00	1 21	æ	12 90	29	18	19 90	
Georgetown King's	King's	Charles Owen	22	16	15 80	62	98	56 80	84	102	72 60	
Malpeque Prince	Prince	J. M. Macvortt		Nil			Nil	:	:			
Montague Bridge King's M. Rowe	King's	М. Воже	ī	9	6 30	16	<u>.</u>	10 70	21	15	17 00	
Murray Harbour King's	King's	H. J. Brehaut	15	5	00 6	9	4	4 20	21	6	13 20	
Pinette Queen's A.	Queen's	A. Murchison	က		1 50		Nil		63		1 50	
Port Hill Prince W. Hopgood	Prince	W. Hopgood	•	Nil		က		1 50	m		1 50	
St. Peter's Bay King's R. D. McCallum	King's	R. D. McCallum		Nil				0 20			0 20	
Souris King's	King's	James Moynagh	No return	No return received	:	12	15	10 50	:	:		
Summerside Princo		Jacob Schuman	9		3 90	55	45	41′00	61	48	44 90	

cts. 20 Total Amount. ន្ត 39 77 STATEMENT Snowing results of certain Returns respecting shipping and discharging of Seamen, &c.—Continued. Total Seamen Dis-charged. 45 20 Total Seamen Shipped. 13 52..... cts. ප Amount. For Half-Year ended 31st December, 1880. 2 Nil. Seamen Dis-charged. 11 Seamen Shipped. Ď 26 PRINCE EDWARD ISLAND.—Continued. Nil..... BRITISH COLUMBIA. cts. For Half-Year ended 30th June, 1880. Amount. 16 24 Seamen Dis-42 37 Seamen Shipped. 36 West Cape..... | Prince... | Oharles Stewart... N. Westminst'r Isaac Johns Shipping Master. Victoria | Victoria | W. Hamley ... Geo. Conroy, acting. Tignish Name of County. Burrard Inlet Name of Port.

WM. SMITH, Deputy Minister of Marine.

DEPARTMENT OF MARINE AND FISHERIES, OTTAWA, 1st January, 1881.

APPENDIX No. 46.

List of Persons to whom Rewards have been granted by the Government of the Dominion of Canada, from 1st January to 31st December, 1880, 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.
,			
Captain Jas. Hughan, Master of the ship "Birdstone," of Glasgow.	Services rendered in rescuing the Master and crew of the "Emma," of Quebec.	Jan. 14, 1875.	Binocular glass.
Captain Wilson, Master of the 'Albion," of Nova Scotia.	Rendering assistance to the ship- wrecked crew of the "Northam," of Loudon, Eng.	Dec. 22, 1878.	Binocular glass, pre- sented by Imperial Government.
Captain S. Collins, Master of the schr. "C. A. Meniac," of Port Medway, N.S.	Rendering assistance to shipwrecked Master and crew of the s.s. "Aberfeldy," of West Hartlepool.		do do
Captain James Lane, Master of the barque "Ellida," of Cork.	Assisting shipwrecked crew of the "Adeline," of Port Hawkesbury, N.S.	April 8, 1879.	do do
Captain Mariano Balboani, Master of the Spanish cor- vette "Isabel."	Rendering assistance to the ship- wrecked crew of the "Tyro," of Yarmouth, N.S.	Oct. 30, 1879.	Thanks of the Gov-
Captain G. A. Smith. Master of the "Calliope," of Windsor, N S.	Rendering assistance to the ship- wrecked crew of the barque "Editha," of North Shields.	Nov. 21, 1879.	Binocular glass, pre- sented by Imperial Government.
Captain S. L. Oliver, Master of the barque "Acadian," of Yarmouth, N.S.	Rendering assistance to crew of the ship "Peruvian," of Liverpool, Eng., foundered at sea.	Dec. [12, 1879.	do do
Captain W. H. Mayor, Master of the brigantine "Excel- sior," of Bermuda; W. H. Simons and Arthur T. Tucker, seamen.	"Lizzie Morris," of Parrahore'.	`}	Silver watch to the Captain and \$10 to each of the seamen.
G. A. Lero, seaman, of the ship "Coringa," of Wind- sor, N.S.	For gallant conduct in rescuing from drowning J. L. Blomberg, a seaman of the same vessel.	Feb. 4, 1880.	Silver watch.
	Rendering assistance to shipwrecked crew of the brigantine "Wan- derer," of St. John, N.B.	Feb. 19, 1880.	Thanks of the Government and a bin- ocular glass to the Captain; silver watch each to Mate and Boatswain.

List of Persons to whom Rewards have been granted by the Government of the Dominion of Canada, &c.—Continued.

Names and Designations of Persons.	Nature of Service rendered.	Date of Service rendered.	Description of Rewards granted.
T. de Haan, Skipper; W. de Haan, H. de Haan, B. H. de Haan, B. H. de Haau, H. de Breed, P. O. Bahler, A. T. Grol, T. T. Spits, A. de Beer, T. D. Pronker, K. R. Spits, T. R. Ringe, H. H. Schroo, C. H. Lodew yk and A. C. Dryce, seamen, of the "Packet Boat."	Windsor, N.S., stranded on the Jerschelling Banks.	·	Binocular glass to the Skipper; \$5 to each of the seamen.
Captain C. Wiegaud, Dum- krack, 1st Officer; B. Mage- maum, Boatswain; F. Kohley, H. Rhode and L. Faust, seamen, of the s.s. "Weser," of Bremen.	"Silver Cloud," of St. John, N.B.		Binocular glass to Captain; silver watch to 1st Offi- cer; \$15 to Boat- swain; \$10 to each of the seamen.
Captain T. Jacobsen, Master of the Norwegian barque "Sea Breeze," of Arendal.	Rendering assistance to the crew of the abandoned brigantine "Annie Wharton," of Shelburne, N.S.	Mar. 23, 1880	Thanks of the Government.
W. L. Avery, of the ship "Washington," of New York.	For services rendered the ship- wrecked crew of the barque "Memephar."	Mar. 28, 1880.	A silver watch.
R. Lesconière, J. C. LeNorman, D. Fuberque, J. M. Linnie, L. M. Lecardinal, J. M. LeMarchaud, J. B. L'Ollivier, M. L. Belmas, men belonging to French barque "Alphonse Marie."	town, P.E.I., foundered at sea.	April 13, 1880.	Silver watch to R. Lesconière and J. C. LeNorman, and \$10 to each of the other men.
Capt. James Peters, Master of the steamship "Glouces- ter," of Bristol, England.	Rendered assistance to the ship- wrecked crew of the "J. S. Wright," of Yarmouth, N.S.	May 17, 1880.	Thanks of the Gov- ernment.
Capt. B. D. Lambert, Master of the "Liverpool," of New York.	Services rendered to the crew of the shipwrecked barquentine "Birds- tow," of Windsor, N.S.	June 5, 1880.	do do
Capt. Thomas A. Borden, Master of the brigantine "Curaco," of Windsor, N.S.		Aug. 29, 1880.	do do
Dean Crockett and James S. Bishep, two of the crew of the American schooner "Laura Sayward."		Sept. 11, 1880.	A silver watch to each.
Capt. T. W. Churchill, Master of the "Jessie Burrill," of Yarmouth, N.S.	Rendering assistance to the "Han- nah G," of Greenock, abandoned at sea.	Oct. 30, 1880.	A silver beaker, presented by the Imperial Government.

List of Persons to whom Rewards have been granted by the Government of the Dominion of Canada, &c.—Concluded.

Names and Designations of Persons.	Nature of Service rendered.	Date of Service rendered.	Description of Rewards granted.
James Murray and Ross Lambert.	Lost their lives in attempting to rescue the shipwrecked crew of the "Mary and Lucy," of Go- derich, Ont.		Gold watches pre- sented to Mrs. Mur- ray and Mrs. Lam- bert, mothers of the two unfortu- nate men.
John Byers, 1st Mate, Sam. McClelland and Daniel McKay, of the steamer	of Goderich, Ont.		A gold watch to Captain; a silver watch to each of the other men.
E. Belyes, 1st Mate of the steamer "Quebec."	Services to shipwrecked crew of the "Mary and Lucy," of Goderich, Ont.	do	A silver watch.
Capt. Robert M. Lavender, Master of the American schooner "Edwin J Mor- rison," of Boston, William E. Peak, 1st Mate, Oscar H. Rungirst, John Johnson, Frank Wilson and Mathew Jacobson, seamen.	Services rendered in rescuing the shipwrecked crew of the barque "Chili," of Yarmouth, N.S.	Dec. 29, 1878.	Binocular glass to Captain, silver watch to Mate, \$20 to each of the sea- men.
and three seamen of the Bel- gian steamship "Neder- land."			the Commander, a silver watch to Mr. Weyer, and £3 stg. to each of the men.
Capt. Evers, Master, D. Stell- man, 1st Mate, J. Wilkens, W. Majus, J. Olilsen, J. Moritz, J. Jensen, seamen, of the German ship "Duis- burg."	Services rendered to the shipwrecked Master and crew of the "Or- lando," of Prince Edward Island.	Feb. —, 1878.	Binocular glass to Master, silver watch to Mate, and £7 10s. to be divided equally among the five seamen.
J. G. Wilson, J. D. Morgan, R. Mossip, David McCa- verty, George O'Neil, Ar- thur Tolton, John Kelly, George Stone and Frank Manhaffy, who manned the life-boat at Port Colborne, Ont.	Rescuing the men employed in lightening the schooner "Samona."	Nov. 19, 1879.	\$8 each.
Wm. Watts, Matthew Watts, P. Doherty, Alex. Clark, John Folley and David Malcolm, residents of Col- lingwood, Ont.	In recognition of their services in rescuing laborers from schooner "Prince Alfred."	May 1, 1880.	\$5 each.

SUPPLEMENT No. 2

TO THE ELEVENTH ANNUAL REPORT OF THE

MINISTER OF MARINE AND FISHERIES

FOR THE YEAR 1880.

FISHERIES STATEMENTS

FOR THE YEAR

1880.



OTTAWA:
PRINTED BY MACLEAN, ROGER & CO., WELLINGTON STREET.
1881

FISHERIES STATEMENTS.

EXPENDITURE AND RECEIPTS.

The following statements exhibit the respective amounts expended and collected during the fiscal year ended 30th June, 1880. This expenditure is subdivided for the several Provinces and services, as follows:—

ONTARIO.

Fish-breeding		
	\$17,304	08
QUEBEC.		
Fishery Overseers' salaries and disbursements	\$12,5 91	78
Fish-breeding		34
Fisheries' Protection Service, Gulf and Lower St.		08
	\$ 19,173	20
NOVA SCOTIA. Fishery Overseers' and Inspector of Fisheries' salaries	-	
and disbursements		55
Fish-breeding	3,323	16
	\$17,503	71
NEW BRUNSWICK.		
Fishery Overseers' and Inspector of Fisheries' salaries	#10 001	00
and disbursements		
	\$ 17,891	00
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		79
General disbursements, including building of fishways, removal of obstructions to ascent of fish, &c., &c	, ,	

PRINCE EDWARD ISLAND.

Fishery Overseers' and Inspector of Fisheries' salaries	4 2.404	
and disbursoments	•	
Fish-breeding	4,494	34
•	\$7,180	83
BRITISH COLUMBIA.		_
Fishery Overseers' and Inspector of Fisheries' salaries		
and disbursements		92
MANITOBA.		
Printing and distributing posters containing extracts of		
Fishery laws	\$ 19	75
Total Expenditure		
Less refund in Fish-breeding	25	00
	\$ 86,162	55
Collections during the fiscal year are arranged under the following	lowing	heada
ONTARIO.		
Rents, license fees, fines and confiscations	\$ 6, 4 65	95
QUEBEC.		
Rents, license fees, fines and confiscations	7.124	42
· · · · · · · · · · · · · · · · · · ·	••	
NOVA SCOTIA.		
Fees on trap-nets, fines and forfeitures	. 1,506	5 72
NEW BRUNSWICK.		
Rents, taxes on nets, fines and forfeitures	. 4,27	6 07
PRINCE EDWARD ISLAND.		
	4	0 00
Fee on trap-net license	. 4	0 00
BRITISH COLUMBIA.		
Fines	. 10	00
Total	. \$19.42	3 16
4 ,	- ,	

LICENSES ISSUED.

The number of Fishery Licenses issued during the season of 1880 is as follows:—
ONTARIO.

			ON THE IO.	
Gill-net lic	enses.			312
Hoop-net	do			39
Pound-net	do		****************	54
Seine	do		••••••	217
				1,343
Spearing I	icense	s		120
			QUEBEC.	
Salmon ne	t fishi	ng lice	nses	444
Brush Wei	ir	do	•••••	129
Eel Weir		do	********************************	5
Seine		do	•••••••••••••••••••••••••••••••••••••••	162
Gill-net		do	••••••••••	215
			NEW BRUNSWICK.	
Salmon an	gling	license	ø	1
			nses	768
Herring W		do	******	98
Bass		do	*********	243
Angling p	ermit	s		40
			NOVA SCOTIA.	
Salmon ne	et fishi	ing lice	enses	86
				53
Weir	do		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4
		P	RINCE EDWARD ISLAND.	
Trap-net	licenso	3. 		1
			Total	4,334
	S	STAFF	OF FISHERY OFFICERS.	
1880 the st	aff of l	Fishery	Officers consisted of the following:	
-000 the 5th				
Ontario-			verseers (ex-officio Magistrates) and	82
Ontario- Fishe	ery W	ardens		82
Ontario- Fishe Quebec-	ery W -Fishe	ardens ry Ove		82 103
ONTARIO- Fishe Quebec- ery V	ery W -Fishe Warde	ardens ry Ove	orseers (ex oficio Magistrates) and Fish-	

New Brunswick—Inspector, Fishery Overseer (ex-officio Magistrates) and Fishery Wardens	107
PRINCE EDWARD ISLAND—Inspector, Fishery Overseers (exofficio Magistrates) and Fishery Wardens	44
British Columbia—Inspector and Fishery Overseer	2
FISH-BREEDING-Superintendent, Officers in Charge, and Assistants at the several Hatcheries in the Dominion	15
FISHERIES PROTECTION SERVICE IN THE GULF AND LOWER St. Lawrence—Officer in Command	1
Making the total number of Fishery Officers em- ployed in the Outside Service	594

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.

FISH CULTURE.

The total expenditure on account of this service for the fiscal year ended 30th June, 1880, amounts to \$29,109.61, divided as follows among the ten establishments now devoted to the artificial reproduction of fish:—

Newcastle, Ontario	\$ 2,431	24
Sandwich do	2,869	47
Tadoussac, Quebec	1,650	00
Gaspé Basin do	1,772	76
Ristigouche, Quebec and New Brunswick	1,278	58
Bedford Basin, Nova Scotia	3,253	99
Sydney do	69	17
Miramichi, New Brunswick	1,748	99
St. John River do	3,851	01
Dunk River, Prince Edward Island	4,491	34
General disbursements, including Mr. S. Wilmot's salary		
and travelling expenses		06
Total	\$29,134	61
Less refund	25	00
Grand Total	\$29,109	61

FISH BREEDING.

The whole number of young fish distributed during the spring of 1880, was 21,520,600, apportioned as follows:—

STATEMENT of the distribution of young fish at the several Breeding Establishments in the Dominion of Canada, during the spring of 1880, from the hatching of 1879.

NEWCASTLE HATCHERY, ONTARIO.

Names of Rivers or Places	Kinds of Fish.					
where Fry were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.	
Barber's Creek, Ontario	100,000 120,000 5,000	50,000 10,000	10,000 750,000 40,000	20,000 5,0 9 0	800,000	
Lake Simcoe do Kempenteldt Bay do Magog, Quebec Lake Megantic, Quebec	,		5,000 5,000	5,000		
Lake Massawippi do		l	10,000 5,000 5,000		***************************************	
Total	230,000	60,000	830,000	30,000	800,000	

SANDWICH HATCHERY, ONTARIO.

			 	
In Detroit River and Lake Erie			 ·*•••••	13,500,000
	1	1	1	Í

STATEMENT of the distribution of Young Fish, &c.—Dominion of Canada—Continued.

BEDFORD HATCHERY, NOVA SCOTIA.

Names of Rivers or Places where Fry	KINDS OF FISH.				
were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
River Sackville, County Halifax, N.S do Musquodoboit do do Shubenacadie do do Big Salmon do do Little Salmon do do Indian do do Ingraham do do Herbert do do Gaspereaux do do Philip, County Cumberland, N.S. do Wallace do do Salmon, County Colchester, N.S. do Stewiacke do do West do do Middle do do Sutherland do do Sutherland do do John	80,000 20,000 10,000 10,000 20,000 20,000 20,000 20,000 20,000 40,000 40,000 40,000 40,000 40,000 40,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000				
Total	730,000				

TADOUSSAC HATCHERY, QUEBEC.

River Ste. Marguerite, N. E. Branch, Quebec	225,000				
River Ste. Marguerite, N. W. Branch,	,				
Quebec	250,000				
River Petites Isles, Quebec					
do Anse St. Jean do	180,000				
do à Mars do	170,000				
do Petit Saguenay do					
do St. Anne (Montmorenci), Que	16,000				
do Jacques Cartier, Quebec					
Fresh Water Pond					
Black River	12,000			l	
Escoumains	46,000				
Total	1,155,000				
	<u> </u>	1	<u> </u>	1	<u> </u>

STATEMENT of the distribution of Young Fish, &c .- Dominion of Canada-Continued.

Ga	spé Basin H	ATCHERY, QUI	BEC.		
Names of Rivers or Places	Kinds of Fish.				
where fiy were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
River Dartmouth do St. John de York do Malbaie do Grand do Grand Pabos	450,000 190,000 120,000 80,000 50,000 40,000				
Moisir	RIVER HATCH	ERY (Private)), QUEBEC.	<u> </u>	1
In Moisie River	180,000				
Ristigorche	Натенику, С	UEBEC AND N	EW BRUNSWIC	к.	
River Main Ristigouchedo Matapediado Upsalquitch	1,000,000 300,000 300,000 1,600,000				
	місні Натені	RY, NEW BRU	NSWICK.	 	
River North-west Miramichi do Main South-west do Nappan do Black do Shediac do Tabusintac do Sevogle do Bartibog do Bartibog do Barnaby do Renous do Renous do Nepissiguit Stewart's Brook	155,000 135,000 65,000 65,000 35,000 55,000 50,000 55,000 35,000 35,000 20,000 5,000				
	RIVER HAT	CHERY, NEW]	Brunswick.		
River St. John	125,090 10,000 10,000 15,000 600				

STATEMENT of the Distribution of Young Fish &c - Dominion of Canada - Continued.

DUNK RIVER	Натенеку	, PRINCE EDW	ARD ISLAND.		
Names of Rivers or Places		F	Kinds of Fish		
where Fry were placed or sent.	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefi₅h
Dunk River Morell River Trout (or Lot 10) River	300,000 100,000 100,000	t .			
Total	500,000			******	
Fish Hatcheries.			Kinds of Fis	н.	
	Salmon.	California Salmon.	Salmon Trout.	Speckled Trout.	Whitefish
Newcastle, Ontario	730,000 1,600,000 930,000 180,000 1,155,000 805,000 170,600	60,000	830,000	30,000	800,000
	6,300,600	60,000	830,000 1,130,000	30,000 100,000	14,300,000 12,800,000

Total in 1880

SUMMARY OF OPERATIONS IN THE AUTUMN OF 1880.

The following Numbers of Vivified Eggs were deposited in the Hatching-troughs of the several Fish Hatcheries in the Dominion, in the Fall of 1880.

Fish Hatcheries.	Salmon.	Salmon Trout.	Speckled Trout.	Whitefish.
Newcastle, Ontario	150,000	4,000,000		1,000,000 17,000,000
Gaspé do	530,000 50,000 750,000			***************************************
Bedförd, N.B. St. John River, N.B. Dunk River, P.E.I.	850,000			***************************************
Total number of Vivified Ova in 1880 do do 1879,	4,084,000 7,765,000	4,000,000 1,264,000	128,000 140,000	18,000,000 19,200,000

^{*}Scoodic or Sebago (Land-Locked) Salmon.

RECAPITULATION.

Fish Hatcheries.	Number of Vivified Eggs.
Newcastle, Ontario	50,000 750,000 900,000 850,000
Total number of Ova in 1880 do do 1879	26,212,000

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FISHERIES STATEMENTS

FOR THE YEAR 1880.

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APPENDIX No. 1.

Schedule of Fishery Officers in the Provinces of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island and British Columbia, appointed under the Fisheries' Act (1868), with Districts, Post Office Addresses, Salaries, etc., etc., distinguishing those who, being Fishery Overseers, are instructed to act ex-officeo 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.
ļ		1		\$ cts.
Samuel Wilmot		Ì	Super- intendent fish-breed ing estab-	2,000 00
			lishments in the Do- minion.	i

PROVINCE OF ONTARIO.

T. McGarity	Counties of Stormont and Glengarry. Cornwall	Oversee	r		00
THIS PAGE 11	Propositi to Rocknort Hiranodian Island 1	do			00
]	20	00
TOTAL WALLOWS	Lindon Linadowina Linadowina l	do	1	50	00
D. McMillan	Lake St. Francis, from Cornwall to		1		
1	Côteau du Lac, on the north side,				
	and from St. Regis to Valleyfield,		1		
Į.	on the south side, including Lake		ı		
i i	St. Francis and Salmon and La		1		
i	Guerre Rivers Dundee, P.Q	do	- 1	F 0	00
O. Miran	South Nation River, in he County of	ao	••••	อบ	00
411011	South Nation River, in the County of		- 1		
John	Prescott Curran.	qo			00
John Mooney	Brockville to Cornwall	do		2 00	
		dυ	•••	50	00
Teter Kiel	Wolfe Island and the southern part of		i		
1	the County of Frontenac, compris-		- 1		
	ing the Townships of Storrington,		- 1		
4	Ditabaseh and Kingata. Wolfe Island	do]	200	00
os. Redmond	The County of Prince Edward Dieton		••••	300	
Charles Gilchrist	Rice Lake and part of Lake Ontario,	40		000	00
- Gilchitist	fronting on the County of North-		i		
_	TT	do	- 1	400	00
W. H. Johnston	Charleston Lake, Gananoque Lake	uu		400	vv
ounston,	Charleston Dake, Gananoque Dake		ŧ	~~	^^
James Green	On the Distriction of the Control of	3	••••		00
A. J. H.	and River	do	••••	40	00
Harrington	Lake Scugog, including Lindsay or		- 1		
John McAllister	Cananoque River	do	}		00
acAllister	do do Cæsarea	do	••••	50	00
}			ı		
1	Carried forward			1,590	00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF ONTARIO-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
			1	\$ ets.
	Brought forward			1,590 00
John A. Cameron.	That part of the County of Frontenac, north of Loughboro' Lake	Wastport	Overseen	100 00
A. D. Sills	Lake shore and inland waters, Coun-	1	Overseer	100 00
	ty of Lennox and Addington, in-	Napanee	do	150 00
Charles Wilkins	Waters of the Bay of Quinté fronting on County of Hastings, and from		1	
	Carrying Place eastward to Mill	1		000.00
James G. Wilcox	Point, in the Co. of Prince Edward River Credit, from mouth of river up		do	300 00
	to Norval River Credit, from Orangeville to	Port Credit	do	50 00
Andrew mugnsou	! Norval, together with the Town-		1	
	ships of Mono, East Garafraxa, Albion, Amaranth, Luther and			
Islan W. Form	Caledon to Church's Mills Cataract.	Oran eville	do	50 00 500 00
Henry Lawe	Grand River from mouth of Unfectiona	i)
	and that part of Lake Eric extend- ing from South Cayuga to Moulton			,
Chas I Pingham	Bay	Dunnville	do	100 00
Onas. D. Bingham.	and Haldimand fronting on Lake	1	<u> </u>	
	Erie and extending from the divi- sion line between the Counties of	l		l
	Elgin and Norfolk to the division line between the Townships of		1	
	Rainham and South Cayuga	Rowan Mills	do	250 00
	That part of Lake Eric fronting on the County of Elgin	Port Burwell	do	50 00
John McMichael	Lake Erie frontage, County of Kent Point Pélée Island	Kingsville	do Warden	50 00 50 00
Wm. Prosser	Lake Brie, from mouth Detroit hiver		1 -	30 00
E. Boismier	baptiste Creek, on Lake St. Clair, to	Leamington	do)
Amedée Quenne-	mouth of Detroit River	Sandwich	Overseer	200 00
ville	That part of Lake St Clair extending from Stony Point to the division line			
	between Dover East and West, in-			20.00
Timothy McQueen.	cluding the mouth of River Thames Mouth of Thames River to Lewisville.	Stony Point	Warden Overseer	20 00 50 00
Angus Brady	Thames River, from Lewisville to Cashmere.		do	40 00
Peter McCann	Thames River, from Thamesville to			200 00
P. McCarron	London. Sydenbam River and tributaries	Wallaceburg.	do	100 00
J. В. Moody	North Branch, Sydenham River, from its junction with the main river at			
	Wallaceburg, to its source	Waubuno	do	50 00 50 00
Chas. W. Raymond David McMaster	Lake St. Clair	Mitchell's Bay	do	
	Kettle Point, on Lake Huron Kettle Point to Point Clarke, Lake	Sarnia	do	200 00
	Huron	Goderich	do	100 00
James Muir	Point Clarke to Cape Hurd, includ- ing adjacent islands	Port Elgin	do	100 00
	Carried forward			4,380 00
	2			•

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE	OF	ONTARIO-Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.	
	Brought forward			\$ ct	
Geo. S. Miller James Patton Samuel Fraser	Owen Sound to Cape Hard Collingwood to Point Rich Point Cockburn to Moose Point	Owen Sound	Overseer do do	10 0 00 2 5 0 00 100 0 0	0
Wm. McGown	From Moose Deer Point to Byng Inlet, Georgian Bay	Parry Sound		50 00	
•	Manitoulin Islands and adjacent islands in Lake Huron	Little Current	ļ į	100 00	
Jos. Wilson	Thessalon River, Lake Huron, to Slate Island, Lake Superior	Sault Ste. Marie.	do	100 00	
James Dickson	Slate Island to Pigeon River, Lake	<u>.</u>			
	Superior Lake Simcoe and tributaries Lake Simcoe from Cook's Bay to		do	100 00 150 00	0
George Cochrane	Beaverton		do	50 00	0
Daniel Bowen	ciuding Pigeon, Deer, Salmon- Trout Stony, Sturgeon and Che- mong Lakes	Lakefield	do	2 50 0	0
J. R. Graham	Gull and Burnt Rivers and tribu- taries, together with Drag, Eagle, Moose, Redstone, Crooked and other lakes within such limits Inland waters, N.R., County Victoria,	Haliburton	do	100 C	0
James McFadden	north of Sturgeon Lake, and above Fenelon Falls	Victoria Road	do	100 0 30 0	
Andrew Telfer	Bonnechère River and Lakes, County Renfrew	1		50 0	
W. P. Croome	Grand River and its tributaries from				
Wm. E. Foot	Brantford upwardsLakes Muskoka, Rosseau, Joseph, Lake		ļ _	100 0	
Wellington Hull	of Bays and the Maganetawan River The Rivers Credit and Speed, with their tributaries, in the Townships of Eramosa, Erin, Caledon and		do	125 0	ю
W. D. Pollock	Hasquessing	Erin	, do	50 0	0
Hugh McFayden	Head waters of Saugeen River, and	Bronte	•	30 0	
Robt. Bell	tributaries	Newboro'	Overseer	40 G 75 O	
A. E. Mills	Rideau River and Canal	Smith's Falls	do	50 0	
John Morrow	Upper and Lower Beverly Lakes Upper Madawaska	Dacre	do	40 0 25 0	
Jno, R. McDonald.	Madawaska River	Clontarf	do	50 0	
Thon McKikhon	Bonnechère River	Renfrew	do	25 0	
	Mink and Doré Lakes, Renfrew Muskrat Lake and Snake River, Ren-	i T	1	25 0	
Arch. Acheson	frew Lower Allumette and Coulonge Lakes	Westmeath,	do	25 0 25 0	
John Grant	Upper Allumette to Des Joachims,	1			
Ephraim Deagon	River Tay Co. Lanark	Rolingbroke	do	40 0	
Wm. Boucher	River Tay, Co. Lanark	South March	do	100 0	
Jacob Halfpenny	do	Billing's Bridge	Warden	40 0	
•	Total			7,275 0	0

PROVINCE OF QUEBEC.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
Wm. Wakeham	Lower St. Lawrence River and Gulf		Officer in charge of F is heries Protection Service in Gulf and Lower St.	1,200 00
Clovis Caron Jules Gauvreau	Point Lévis to River Ouelle River Ouelle to Point à la Loupe,	L'Islet	Lawrence	209 00
	Green Island Green Island, to	Isle Verte	do	100 00
* TB C 11	Rimouski River (same included)	Rimouski	do	100 00
E. Grondin	Rimouski to River Blanche	do	do	100 00
George Gagnon Phileas Dubé	River Blanche to Cape Chatte Inland waters, County Témiscouata Lake Témiscouata and neighbouring	St. Epiphane	do Warden	30 00 30 00
	waters, County Témiscouata Lake Matapedia and River Matepedia	Notre Dame du Lac	do	30 00
	to Causapscal Cape Chatte to River Ste. Anne des	Causapscal	í I	100 00
P. Vibert, jun	Monts			100 00
	Gaspé Basin, to Point Maquereau	Gaspe Basin	do	200 00
John Phelan	Point Maquereau to Paspebiac Point	Port Daniel	do	50 60
John Mowat	Paspebiac Point to Magasha Point. The Restigouche River, in the Counties of Rimouski and Bonaventure, including also the waters of Bay		do	200 00
L. P. Huot	l including also the waters of Bay des ChaleursLakes Philippe, Gagné and adjacent		do	400 00
U. Bhéreur	Lakes, and the Island of Orleans River du Gouffre to Canard River, including inland Lakes adjacent to	i	do	100 00
	Murray Bay and St. Paul's Bay	Murray Ray	do	59 00
Etienne Tremblev)	(Ray St. Paul	Warden	30 00
Jos. Simard	Lakes in rear of Murray Bay and	St. Agnés	do	40 00
Antoine Filion	Bay St. Paul	Bay St. Paul	do	30 00
Jos. Radford	Counties of Chicoutimi and Saguenay	Tadousac		200 00
Jacques Girard	Grand Bay	Grand Bay	Warden	100 00
Romuald Maltais	Lake St. John	Alma	do	25 00
Chas. Potvin	doLake St. John and tributaries. Unner	Roberval	do	25 00
	Saguenay	Metabechouan	do	50 00
Joseph Boily F. Duchesne	North Shore, from Manicouagan to	Mille Vaches	do	50 00
J. O. Belanger	Point des Monts, including Becscie, Mistassini and Godbout Rivers North Shore River St. Lawrence, from Point des Monts to Baie des Rochers, including Trinity and Pentecost		do	150 00
G. Mathurin	Rivers	Montmagny	do	150 00
	Kiver	do	Overseer	150 00
G. L. Duguay	Esquimaux Point to Sheldrake River.	Port Daniel	do	100 00
	Carried forward	! 		4,160 00

PROVINCE OF QUEBEC-Continued.

J. B. McDonald Lake Megantic	Name.	District.	Address.	Overseer or Warden.	Salary.
Washeeocolai and Olomanosheebool L'islet				•••••	•
R. W. Jones Other Prairies Terrebonne do 100 00 W. J. Lamoureux, Other Joseph M. Warden M. St. Lambert M. St.		Washeecootai and Olomanosheeboo	L'Islet	Overseer	100 00
T. Mignault	P. C. Gobeil	Bay West to Little Watsheehoo	i '	Warden	150 00
W. H. Whitely to Checatica — Gaspé Basin — Warden — 100 00 M. H. Whitely to Checatica — Gaspé Basin — Warden — 100 00 Ant. Chevrier — Maglaien Islands — Amherst — Overseer — 100 00 Ant. Chevrier — Maglaien Islands — Amherst — Overseer — 100 00 R. W. Jones — Ottawa River, from Oka to Carillon, North side — St. Lambert — do — 200 00 Montreal — St. Lambert — do — 200 00 Montreal — St. Lambert — do — 200 00 Jos. Lamoureux — Ottawa River, from Oka to Carillon, North side — St. Andrews — do — 100 00 Jos. Lauron — River Jesus and Des Prairies — Terrebonne — do — 100 00 M. C. Willis — Waters in Districts of St. Francis — Terrebonne — do — 150 00 J. P. Williamson — Lake Memphremagog, in the Counties of Stanstead and Brome — Sorel to St. John — Otake Ohamplain — That part of the River St. Lawrence bordering on the Counties of Richelleu River, from St. John to Lake Champlain — That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge — M. That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge — M. That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge — M. The inland waters of the County of Terrebonne — St. Francis River — St. Sauveur — Overseer — 150 00 J. F. Picotin — St. Francis River — River Chateauguay, from mouth to village — The inland waters in rear of the County of Argenteuil — Chateauguay Basin — do — 50 00 Alexander Beaton — The inland waters in rear of the County of Argenteuil — County of Argenteuil — County of Terrebonne — Chateauguay Basin — do — 30 00 Thomas Evans — The inland waters in rear of the County of Argenteuil — County of Terrebonne — Chateauguay Basin — do — 30 00 P. C. Ducharme — The Seignty of Mille Isle and Township of Morin, in the County of Terrebonne — Chateauguay Basin — The inland waters of the Counties of St. Filizad Valvio — The inland waters of the Counties of St. Filizad Valvio — The inland waters of the Counties of St. Filizad Valvio — The inland waters of the Counties of St. Filizad Valvio — The	T. Mignault	Western Division Natashquan, includ- ing River Agwanus, Nabissippi and			
M. H. Whitely. Bonne Espérance Division, from Checatica to Blanc Sablon	J. Legouvé	St augustine Division, from Cape			
St. Lambert St. Lambert	•	Bonne Espérance Division, from Che- catica to Blanc Sablon	Bonne Espérance	do	100 00
R. W. Jones Ottawa River, from Oka to Carillon, North side Ottawa River, from Oka to Carillon, South side Ottawa River, from Ottawa River, from Ottawa River, from Ottawa River, from St. Andrews Ottawa River, from St. Andrews Ottawa River, from St. Andrews Ottawa River, from St. Andrews Ottawa River, from St. Andrews Ottawa River, from St. St. Andrews Ottawa River, from St. An	Ant. Chevrier John Morris	River St Lawrence around Island of		1 1	
Jos. Lauzon Rigand do 40 60 100 00 W. C. Willis Waters in Districts of St. Francis. H. W. Austin Richelieu River and tributaries from Sorel to St. John Lake Memphremagog, in the Counties of Stanstead and Brome Green Chambly do 200 00 J. P. Williamson Lake Memphremagog, in the Counties of Stanstead and Brome Green Chambly do 200 00 J. P. Williamson Lake Memphremagog, in the Counties of Stanstead and Brome J. B. Chevalier River, from St. John to Lake Champlain Hotolever and tributaries of Richelieu River, from St. Lawrence bordering on the Counties of Richelieu Namaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands J. Loranger That part of the River St. Lawrence fronting Counties of Berthier and Maskinonge River Grouting Counties of Berthier and Maskinonge River Grouting Counties of Berthier and Maskinonge River Grouting Counties of Berthier and Maskinonge River Grouting Counties of Berthier and Maskinonge River Green Grouting Counties of Berthier and Maskinonge River Grouting Grouting St. Francis River Green Grouting Grouting Grouting Grouting of Berthier and Maskinonge River Green Grouting Grouting Green Grouting Grouting Green Grouting Grou		Ottawa River, from Oka to Carillon, North side	St. Andrews		
W. C. Willis		South side	Rigaud		
J. P. Williamson Lake Memphremagog, in the Counties of Stanstead and Brome	W. C. Willis	Waters in Districts of St. Francis Richelieu River and tributaries from	Sherbrooke	do	
Dierre Latraverse. Richelieu River, from St. John to Lake Champlain That part of the River St. Lawrence bordering on the Counties of Richelieu, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands Sorel Warden 100 00	J. P. Williamson	Lake Memphremagog, in the Counties	3	1 1	-
bordering on the Counties of Richelieu, Yamaska and Berthier, in the Prevince of Quebec, including Sorel and adjoining Islands		Richelieu River, from St. John to	Iberville	! .	
Univer Laffèche	Pierre Latraverse	bordering on the Counties of Richelieu, Yamaska and Berthier, in the			
L. J. Loranger The inland waters of the County of Terrebonne Terrebonne St. Sauveur Overseer 150 00 P. E. Luke Missisquoi Bay in Lake Champlain and Pike River	Olivier Laflèche	That part of the River St. Lawrence fronting Counties of Berthier and)	1	100 00
P. E. Luke	L. J. Loranger	The inland waters of the County of	fl	Į į	
Wm. Clyde		Missisquoi Bay in Lake Champlain	Phillipshurg	do	50 90
Alexander Beaton The inland waters in rear of the County of Argenteuil	W. F. Picotin	St Francis River	. Drummondvilla	Worden	25 00
Thomas Evans Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield	- Laberge	village	Chateanousy Basin	1	50 00
P. C. Dacharme Inland waters of the Townships of Gore, Wentworth and Howard, in the County of Argenteuil, and those of the Seigniory of Mille Isle and Township of Morin, in the County of Terrebonne Lakefield do 30 00 do		County of Argenteuil	Lost River, P.O., Har-	do	30.00
P. C. DucharmeThe inland waters of the Counties of	Thomas Evans	the County of Argenteuil, and those of the Seigniory of Mills Ide and Township of Morin, in the	T a d e e		30 00
	P. C. Dacharme	County of Terrebonne	. Lakefieldf	do	30 00
				do	200 00

6,890 00

SCHEDULE of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF QUEBEC-Concluded. Overseer Name. District, Address. Salary. or Warden. \$ cts. 6,715 00 Brought forward 30 00 40 00 J. T. Coghlan...... The waters of the County of Pontiac, from River Coulonge, west to Des Onslow..... Overseer... 40 00 40 00 25 00 Joachims Waltham

PROVINCE OF NOVA SCOTIA.

	1			
W. H. Rogers	Nova Scotia		Inspector of Fisher-ies	}1,200 00
	Annapolis County.		j	
A. F. Morton Geo. Vroom Wm. Crosseup W. A. R.ce W. M. Bailie M. Riordan Holmes Baker	Annapolis County Annapolis River Bear River (South side) Bear River (North side) Annapolis River Round Hill Annapolis and Langille Rivers From Laurenceton to County line Nictaux River	Wilmot Bear River do Bridgetown Round Hill Annapolis Williamstown	Warden do do do do do do	120 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00
John McDonald Angus McDonald	Antigonish County. Antigonish County		Overseer	125 00
J. R. Aymer	to lake, from Marsh up to Monastery Brook, including French Settle- ment Brook and Tarbitts From mouth of Harbour to Forks, from thence on the Pomquet River to V. Chisholm's Mills, and from Forks	Tracadie	Warden	25 09
Albert Randall Colin Chisholm	on the Black River to Falls	Pomquet Forks, Anti- gonish		25 00 15 00
	liams or St. Andrew's Bridge	Lower South River,	do	25 00
		Upper South River, Antigonish		30 00
John Cumming	From Fraser's Bridge to County line at head of lake	Upper South River, Antigonish		20 00
	Carried forward	***************************************		1,785 00
	6		,	•

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
			\$ cts.	\$ cts.
	Brought forward			1,785 00
	Antigonish County-Concluded.			
John Dexter	From Antigonish Harbour (foot of marsh), to Trotter's Mill Brook, thence up said Brook to Trotter's			
Donald Chisholm	From Trotter's Mill Brook to W.	Antigonish	1	30 00
Alex. Macadam	Thompson's Dam From Thompson's Dam to Addington	Salt Springs, Antigon-	do	25 00
ment haddan iiii	Forks' Bridge to Pinkeytown	West River, Addington Forks, Antigonish	do	25 00
Duncan Frager	Bridge, including Jones River and Beaver River From Pinkeytown Bridge to Stewart's	i	do	25 00
	Mill From Campbell's Rock, on Pomquet	Ohio	do	20 00
	Eastern Branch, and to Alexander McDonald's Mill on the Western			
	From John McDonald (Bun's) Cove, north side of Cape George, to Crob-	St. Andrews	do	2 5 0 0
	bing Head, St. George's Bay		do	25 00
	Cape Breton County.	1		
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 25 0 9
Wm. Burke	Mira Bridge and Trout Brook	Burke's Bridge, Mira		
John McRachen	Salmon River	Grand Mira. Arichat	do	25 00 25 00
Thos. Moore	Salmon River	North Sydney	do	20 00
Outling McDonaid.	Svanev River and Forks	Lingan	do	45 00
	North of East Bay to Head of Sydney River, including part of Boularderie	MIII Brook	do	20 00
Aleman	Island	Sydney Mines	Overseer	120 0 0
Allen McDonald	South of East Bay to Salmon River	Rast Kav.	l dol	120 00
Angus Morrison	Eskasoni	Eskasoni Manian Duidan Mina		25 00
CHAIR MILLION	Marion Bridge, Mira	Pondo Sydnay Minag	do	25 00 25 00
			do	25 00 25 00
176916	North West Brook, Grand Lake and	Lingan	1 40	25 00
Donald M'Cormack John McNeil	Leitche's Creek and George's River Benacadie River emptying into Bras	Leitche's Creek, W.O	1 1	25 00 25 00
	d'Or LakeBall's Creek		do	25 00 20 00
	Carried forward7			2,675 00

Schedule of Fishery Officers in the several Provinces, etc.—Continued.

Broughtforward		PROVINCE OF NOVA SCO	TIA.—Continued.		
Broughtforward	Name.	District.	Address.	or	Salary.
R. J. Pollock			***************************************		\$ cts. 2,675 00
Digital Content Division Colchester Control Colchester Col	ohnston là	Stewiacke River (lower portion) Salmon River	Salmon River StewiackeRiver, Brook-	Warden	75 00 25 09 25 00
Samuel Frame Shubenacadie River and Gay's River Shubenacadie River do Cumberland County.	T. Davison	comprising Tatanagouche Bay, French and Waugh's Rivers	Tatamagouche	Overseer do do do do do do do	50 09 100 00 50 00 25 00 25 00 25 00 25 00 25 00
embracing all streams emptying into the Straits of Northumberland. Oxford	uel Frame	Shubenacadie River and Gay's River Cumberland County.	Shubenacadie River	do	25 00 25 00
David Corbett Moses Harrison C. Pugsley	er Fillmore W. Moore S. R. Smith	embracing all streams emptying into the Straits of Northumberland River Philip, Hanam's Falls, upwards do do downwards Shinimicas River River Philip Cumberland County, Western Divi- sion, including all streams flowing	Oxford	Warden do do do	100 00 25 00 2 5 00 25 00 25 00
Samuel McPherson Pugwash River	es Harrison lugsley ncis L. Jenks Murphy	into the Bay of Fundy	Amherst	Warden do do	100 00 25 00 25 00 25 00 25 00 30 00
Abraham L. Gavil, Joggins River	uel McPherson	Island to Spencer Island	Diligent River, Parrs-	ا ما	30 00 25 00
	aham L. Gavil, alin McKay ert Journey'	Digby County	Digby St. Mary's Bay, W.O Weymouth	Warden do	120 00 25 00 25 00 25 00 25 00 50 00
James A. Tory Guysborough County Guysborough Overseer	es A. Tory	Guysborough County	i	1	150 GO 4,180 OO

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
				\$ cts.
	Brought forward	***************************************		4,180 00
*	Guysborough County-Continued.			
James Cook	Salmon River, from mouth to Gra- ham's West Line	Salmon River W O	Wandon	25 00
James McEllum	From Graham's West Line to foot of Neil's Lake, including North Branch		warden	20 00
Charles Kenny	From foot of Neil's Lake to Beaver	:	do	20 00
	Dam Lake, inclusive, and all the lakes through which it passes	Salmon River, West	۵.	15.00
Donald Guna	From mouth of Scott's Place to Country Harbour Lake, including	į	do	15 00
-	Gunn's Brook, from Main River to Hurley's take	Cross Roads	do	30 00
William Pride	From mouth of St. Mary's River to Sinclair's Point, including stream	•		
Thomas McKeen	From Forks to County Line, includ-	Sherbrooke, St. Mary's	do	30 00
J. T. 102. 141	ing McQueen's Mill and Brook, to	Melrose	do	30 00
J. I. Smith Robert McKay	From Forks to Indian Man's Brook From head of tide to head of Inter- vale, on the North Branch, and to	West River	do	25 0 0
	Cameron's Mill, on the Valley Branck	1		
James' R Bruce	From mouth of Clam Harbour River	vale, W.Ö	do	15 00
	to Upper FallsFrom Beach to Falls, including North	Guysborough	do	10 00
_	West Brook	New Harnonr, W.O	Warden	15 00
	St. Mary's River	hrooke	do	40 00
Adam Kirk	District of St. Mary's	Sherbrooke	Overseer	100 00
Wro Manager	Halters', on the West River St. Mary's River	Glenelg	Warden	30 00
~ Bicti Sinclair	Brom Sincisir to Headwater	Itospen	do	25 00 20 00
-uke Harpeil	From mouth to head of Indian River	District	do	15 00
	West River, St. Mary's, from Wallace Bridge to head of River	Unnar Caladania 1	do	26 00
Frederick Mattie	Tracadie River, in Counties of Guys-l	1	uo	20 00
A	borough and Antigonish	Antigonish	do	15 0 0
John Jones	East River, St. Mary's	East River	do	25 0€
James Henderson Samuel Hudson	Mouth of Salmon River	Mc: h of Salmon River Isaac's Harbour	do	25 00 25 00
THE THE STATE OF T	Country Harbour River, from Bridge		_]	
	From New Harbour to Isaac Barbour,	Country Harbour	do	25 0 0
	akes between these places	Coddel's Harbour	do	25 00
	1]-	4,785 00

Name.	District.	Address.	Overseer or Warden.	Salary.
i	Brought forward Halifax County.			\$ cts. 4,785 00
William Anderson	Halifax County, East Division, Dart- mouth to Ecum Secum	Musquodoboit Harbour	Overseer	150 00
James Blakely	From Ship Harbour to Chezzetcook, inclusive	Ship Harbour	Warden	30 00
William Hall John Fitzgerald	Sheet Harbour	Sheet Harbour	do	40 00
Archibald Kidston	From Peggy's Cove to Terrance Bay, Nine Mile and Prospect Rivers			150 60
Nathaniel Mason	From Hubert's to Peggy's Cove, Mar-	spryneid	warden	40 00
Donald McCleam	Cow Bay Run	Chezzetcook River	do do	40 00 20 00 30 60
John McCurdy	Salmon River	Middle Musquodoboit	do	30 00 30 00
Hy. A. Shatford Jas. Gardner	Tangier River Pennant River Musquodoboit Harbour Little Musquodoboit River.	Hubbard's Cove	do do	30 00 40 00 30 00
	Upper Musquodoboit Kiver	River	do	3 0 0 0
	Moser's River and Ecum Secum and	River		30 00
Geo. Keizer	Smith's Brook	Moser's River Lake Porter Little Salmon River,	do	30 00 30 00
James Crook	Big Salmon River or Lawrencetown	Preston Road	"	20 00
F. G. Tolson	River	Sackville River	do	25 00 40 00
•	Hants County.			
John B. Colter	Hants County, Western Division, from Western County Line to Walton Shubenacadie River	Windsor	Overseer do	100 00 30 00
	Rivers Meander and Hebert, from mouth to source	Ducolalan	Warden	30 0 0
	East Division, from Walton to Col	Maitland	Overseer	100 00
_	Kennetcook River, from mouth to	Newport	Warden	50 00
Josepa M. O'Brien	Walton and Kennetcook Rivers	. Maitland	. do	30 00
	Inverness County.			
David Ross	Inverness County, East Division	N.E. Margaree	Overseer	100 00 100 00
	From mouth of Margaree River to South-west Chapel	Forks, Margaree, W.O.	. do	25 00
well mckay	Upper Waters and tributaries, Mar	. S.W. Margaree River	Warden	25 00
	Carried forward			6,240 0

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NOVA SCOTIA-Continued.

Isaiah Besancon Middle River	Name.	District.	Address.	Overseer or Warden.	Salary.
D. F. McLean					•
Starr	Peter Benvie. M. B. McDonald. Donald McDonald. John McLean Hugh Cameron. Hugh Cameron. John McKenzie John McKenzie William Hart, jun. Allan McLellan (John's Son) Malcolm McKay Angus McFarlane. (Angus' Son)	Inverness County, Western Division M*bou River River Dennis River Inhabitants do do Ainslie Lake Crowdis Bridge to head of river From his own residence to Big Intervale From Bridge to Forks, North-east Margaree River do from Crowdis Bridge to Warden McDermid's residence Whycocomagh Bay Trout River Upper South-west Margaree Rivers	Mabou, Brook Village. River Dennis, W.O River Inhabitants, W.O. Broad Cove S.W. Mabou N.E. Margaree N.E. Margaree do do S.W. Margaree River Dennis Lake Ainslie Upper S.W. Margaree River	do do do do do do do do do do do	25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00 25 00
Geo. Redden Lunenburg County. Geo. Moland Eastern River do Basin do 25 00 David Demon Lower Gold River Ded Beech Hill, Chester do 25 00 Gedward Boylan Gold River, Upper Beech Hill, Chester do 25 00 Hy S Jost Lunenburg County, West Division Lunenburg County, West Division Lunenburg County, West Division Lunenburg County, West Division Lunenburg County, West Division Lunenburg County, Warden 25 00 C. E. Goddard Wilkie's Cove to Henry Koch's Bridgewater Overseer 50 00 Bridgewater do Warden 25 00 Bridgewater do Warden 25 00 Bridgewater do Sridgewater do 25 00 Bridgewater do Sridgewater do Sridgewater do Sridgewater do 25 00 Marchael Sridgewater do Sridgewater Sridgewater do Sridgewater Sridgewater do Sridgewater Sridgew	John E. Starr W. McIntyre R. F. Reid C. E. Bishop	King's County. King's County Annapolis River King's County Gasperaux liver	Port William Kentville	Overseer Warden Overseer Warden	250 00 50 00 125 00 30 00
A. Hespitt I este silver, mouth to warrace brook i este silver	Geo. Redden Geo. Moland Isaiah Besancon David Demon John Hutt Edward Boylan Jas. Langille Hy. S Jost Chas. Pernette C. E. Goddard Jas. Mossman B Rothenhiser John Andrews	Lunenburg County. Lunenburg County, East Division Middle, Gold, Martin's and Musha mush Rivers. Eastern River Middle River Lower Gold River Middle Gold River Martin's River Lunenburg County, West Division. From mouth to Lahave River to Wilkie's Cove to Henry Koch's From Henry Koch's to Knock's. Knock's to source of Lahave River. Mushawush River	Chester	Warden do do do do do Overseer Warden Overseer Warden	100 00 25 00 25 00 25 00 25 00 25 00 25 00 100 00 25 00 25 00

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary
	Brought forward Lunenburg County—Continued.		••••••	\$ cts. 7,745 00
731: 77 1 1	,			
Ell Hebb	Petite River, from Wallace Brook to			
		Conquerall		25 00
William Croft	East Gold'River, from Bongard's Point to Gold River Branch, thence to Clark's, Clinton's and Henry's Lakes	Chester Basin	do	25 00
] "	20 00
Duncan G. McDon-	Pictou County. Pictou County, East Division, in-			
810	cluding Sutherland's, French and Barney's Rivers, Bailey's Brook and Shore Fishery from Pictou Harbour	!		
William Tunner	eastward to County Line	Lismore	Overseer	170 00
Donald McDonald	Barney's River	New Glasgow	do	25 00 25 0 0
Geo. Foote	French River	French River	d●	25 00
Charles Henry	Bailey's Brook	-		30 00
Wm. McDonald	French River	French River	Warden	140 00 25 00
Peter Campbell	East River	New Glasgow	do	25 00
Alex. Douglas	Middle River	Middle River West River	do	25 00 25 09
John McKay	River John	River John.,	i da i	25 00
George McKenzie John McDonald	Cariboo River Barney's River, from McDonald's Bridge to Head.		•	25 00 25 00
Samuel Fraser	Grant's Factory to East Branch Lake	Bridgeville	do	25 00
Wm. McKenzie	Fork and West Branch Lake East River of St. Mary's and Garden Lake	HopewellGarden of Eden	ĺ	25 00 20 00
Thomas Fraser	East River, from Tide Head to Grant's		1 40	_
Edward Cameron	Factory East Branch Barney's River, from Sutherland's Marshy Hope to Bar-		do	25 00
A O Duitaband	nev's River	Barneys' River	do	25 00
A. C. Pritenard,	Central Pictou County, including Middle, East and West Rivers	New Glasgow	Overseer	150 0 0
	Queen's County.			
Saml. T. N. Sellon Theodosius Ford	Queen's County		!	225 00
	River Puddingpan Island to Toby's Island,	Milton	Warden	60 00
	up Port Medway River to Dog Cove From Steam Mills to Salter's Falls on	Port Medway	•	70 00
Barnabas Miles	Port Medway River	imili Villagei	do	70 00
	Medway River	Greenfield, W.O	1 1	30 00
	Carried forward			9,110 90

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NOVA SCOTIA-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	D 1.6	4		\$ cts.
	Brought forward		•••••	9,110 00
	Richmond County,			
Duncan Cameron	Eastern Division, from River Bour-		l j	
	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
- Marmeau	Western Division, from River Bour- geois to West Boundary of County.	Arichat	Overseer	125 00
P. W. Grouchy	geois to West Boundary of County. Decousse River	do	Warden	30 00
Abraham Sampson	Inhabitants River	Port Hawkesbury	do	20 00 30 00
Justinian Sampson	Petit Degrat InletL'Ardoise	L'Ardoise	do	3) 00
Charles Grant	River Inhabitants	River Inhabitants	do	20 00
Geo Donahua	River Moulin	West Bay	do	30 00
Donamuc	L'Ardoise River Inhabitants West Bay, Black River River Moulin	digue Ferry, W.O	do	3 0 00
Patrick Kyte	River Tier	River Tier, St. Peters	do	25 00
				25 00
William Kehoe	False Bay and Breen's Brook	River Bourgeois, W.O	do	25 00
	Shelburne County.			
Wm. John McGill.	Shelburne County	Shelburne	Overseer	125,00
M. Greenwood	Round Bay River and Indian Brook	Clyde River, W.O	Warden	20,00
Geo Pro-	Birchtown River	Shelburne	do	30 _0 0
G. A. Holden	Lorden River	do	, go	50 ,00 50 00
Henry Ackerman	Green Harbour	Ragged Island, Locke's		
	Barrington River	I Island W ()	' da !	20 00 20 00
5 1 0 11 CII &	Darring ton Kivet	Darrington	do	20 00
	Victoria County.			
J. W. Burke	Victoria County, North Division, from			
Donald McRae, jun		ingonish		120 00
John McLellan	Middle River	Baddeck	do	120 00
Jno. McRae (Rory's		Baddeck	Warden	25 0 0
laon i	Middle Diver Unner Settlement	McLeod. W.O	do	25 0 0
VURIO Mollino maio	do	Baddeck	do	25 00
		uo	do	25 00
Donald McAuley Hector McKenzie		Month Dimes WO	do	25 0 0 25 00
Donald McRae	Baddeck River and tributaries	Baddeck	do	25 00
Angra W. F	Baddeck River and tributaries Entrance of Baddeck River	Hunter's Mountain, WO	do	25 00
			do	30 00 30 00
Roderick Beaton	Indian Brook	McNaughton's, W.O	do	30 00
				30 00
Donald Bochaman	Barachois River	Barachois River	do	30 0 9 30 0 0
Malcom McIver	Peter's Brook	Indian Brook	do	30 00
Guina	North River	North River	do	30 0 0
	Carried forward			10.650 00
			,	

PROVINCE OF NOVA SCOTIA-Concluded.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward Victoria County—Continued.		•	\$ cts. 10,650 00
Jos. Hellen	Salmon River, Bay St. Lawrence Cape North Middle River, Upper Settlement	Cape North	do	
J. A. Hatfield William Kavanagh William Prosser	Yarmouth County. Yarmouth County From Raynard's Falls to Lower Narrows, Tusket River Gurrill's Bridge to Coldstream Branches of River above Raynard's Falls	do	Warden do	50 00 25 00 25 00
Edward Perry Jerome Doucet Vital Muise Joseph M. White Wm. Thurston, sen	Salmon River Little River Tusket River Tusket Forks Bel Lake Chegoggin River Pubnico and Argyle	Yarmouth	do do do do	25 00 25 00 30 00 25 00 25 00 25 00
	Total			11,165 00

PROVINCE OF NEW BRUNSWICK.

· ·	New Brunswick	·		Fisheries	1,40 0 400	00 00
Wallace Taylor C. McLatchey Jacob Beck J. E. Kinne	Albert County. County of Albert	Hillsboro Elgin	e	do do do	40 30 40	00 00 00 00 00
Geo. R. Burt	Carleton County. Miramichi River (S.W.) from Head Waters to Forks	Foreston Upper W Canterbi	oodstock	do Warden	100	00 00 00 00 00 00 00 00 00 00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary.
	Brought forward			\$ cts 2,370 00
B [C	Charlotte County.	Character W.O.		
James Brown	Inner Bay of Passamaquoddy Campo Bello and West Isles, with		i 1	70 00
Frank Todd W. B. McLaughlin	coasts and streams in Charlotte Co St. Croix River and tributaries Grand Manan Island and spawning	St. Stephen	do	100 00 120 0 0
_	grounds	Grand Manan	do	*240 00 30 00
Robert Dixon.	Seeley's Cove to Lepreaux. East District, from La Tête to	Lepreaux	do	30 00
J. M. Lord	Lepreaux	Beaver Harbour, W.O. Deer Island	Overseer do	100 00 70 00
Andrew Gilmour.	Northern Head, Grand Manan	St. Andrews Grand Manan	Warden	30 00 30 00
Edward Carroll	Whitehead Island	! do	do	30 00 30 00
	Gloucester County.		! 	
James Hickson	River Nepissiguit and tributaries, with			
Jee T Cood	sea coast and streams from Belle- dune River to Grindstone Point	Bathurst		250 00
Jas. E. Good Juste Haché	Nepissiguit River Oyster beds in County, Caraquet and Shippegan	.[1 1	50 00 100 00
Justinien Savoy	Tracadie Pokemouche	Tracadie, W.O	Warden	30 00
Frédéric Comeau	Petit Rocher, from Belledune to Mill Stream		1	30 00 40 0 0
	Salmon Beach, from Bass River to	Salmon Reach	do	30 00
Tim. Coughlan	Grindstone Point to Grande Anse	Grande Anse	do	30 00 30 00
W. Rogers	That part of River Tête-à-gauche	Tête-a gauche, Bathurst	do	25 00
A1- 1	from a mile above the Mill Dam to	Kinsale	do	25 00
Augustin Cormier.	Pokemouche River Caraquet Herring Banks	Caraquet	do	50 00 5 0 00
oseph Poirier	Bay Chaleur, between Grand Anse and Point Mizzenette		1 1	50 00
	Kent County.			
Charles Cormier	Cocagne River	Cocagne	Overseer	100 00
		milling puctouche River	wardenı	75 0 0 30 00
	From the mouth of Nicholas River, on the Richibucto, upwards, including	Buctouche	Overseer	75 0 0
Lazare Guimon	Nicholas River From Kouchibouquacis to Chockfish	Waldford	Warden	30 00
	River,	Kouchibouquacis	do	75 00
	Carried forward			4,425 00

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden.	Salary
				\$ ct
	Brought forward	4		4,425 0
	Kent County-Continued.			
Nicholas Muzzeroll	From Kouchibouquacis River to Point			* 0.00
A. L. Collet	Sapin	Buctouche	do	50 00 3 9 00
	King's County.			
Samuel Gosline	From mouth of Smith's Creek up-			
	wards Mill Stream.	Smith's Creek, W.O Studholm, Apohaqui		100 0 30 0
James A. Belyea	St. John River and Belle Isle Bay and	1	1	50 0
Samuel Gamblin	streams running thereinto	!	1	50 0
	in King's and Queen's Counties	Pearson's, W.O	Warden l	30 0
T. W. Hatfield	Belle Isle Bay North Canaan River	Belle Isle	{ do}	50 9 30 0
COMM MOINTAIN	TOTAL COLLEGE IN THE STATE OF T	l	"	00 -
	Northumberland County.			
PrudentRobichaux	Burnt Church River and tributaries,			0
John Stymast	and Upper TabusintacLower Tabusintac River	Stymast Road, Neguac	Warden	100 0 50 0
William Wyse	Herring fisheries, Miramichi Bay, and bass fishing in Napan Bay and Black Rivers	1		200 9
Chris. Parker	Miramichi River and tributaries, from	1	1	
Samuel Holt	Beaubair's Island to Blackville From lower line of Blackville to	New castle	do	160 0
John Hogan	Blissfield		do	160 0
. "	wards	Newcastle	do	400 0
Aaron Hovey	Miramichi River (S.W.) and tribu- taries, from Nelson's to Head of Hovey Island	i		
George Bryanton.	From Elm Tree Brook to Squire Under-			30 0
Kenneth Comeron	hill's, on the S W. Miramichi River. Miramichi River (S.W.), from line of	Derby, W.O	do	30 0
acancia Cameron.	Dissilera to the near waters and	1		100 0
Patrick Bergin	tributaries	•	i	100 0
	chell's, on S W. Miramichi	Dumphey, W.O., Parish of Blackville, S.W. Miramichi		30 °C
Thomas Smith	From lower end of Fingley's Island, on N.W. Miramichi, upwards, and	.1		_
	the Big Sevogle	North Esk, Red Bank,		
Jared Blackmore	From lower side of Ox Bow, on the	W.O	l	30 0
Patrick Gillia	Little South West, upwards	' do do	Overseer Warden	50 0 30 0
Denis Hogan	Renous River and tributaries	Renous Bridge, W.O	do	30 0
michael Donovan		i	do	18 (
	Carried forward			6,213

PROVINCE OF NEW BRUNSWICK-Continued.

Name.	District.	Address.	Overseer or Warden,	Salary.
	Brought forward			6,213 00
	Northumberland County-Concluded.			
John Shaddick F. McDairmaid	Big Sevogle to Square Forks Napan and Black Rivers and tribu-		1	30 00
John Williston	Bay du Vin River and Bay, with	ham	do	30 00
Town D. 11	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
Thomas Taylor	Miramichi Bay and Feeders South West Miramichi, within Parish		1	150 00
	From Doaktown to Hovey Islands, in the Parish of Blissfield, on the South	Blissheld		50 0 0
Daniel Mathews	West Miramichi River	Doaktown, Miramichi	Overseer	100 00
Nat. Morehouse	Arbo Settlement, Parish of Blackville,	ramichi River	Warden	30 00
	South West Miramichi Coughlan Settlement, Parish of Black-	Arbo Settlement	do	30 00
	ville, South West Miramichi Tabusintac and Bartibog Rivers	Uoughian Settlement	do	30 00 30 0 9
John Blake	Miramichi River and tributaries from	Whitney Settlement	do	30 00
Angus McIntosh	Point aux Carr to Middle Island Miramichi River and tributaries, from		}	70 00
Tubal Watling	Middle Island to Newcastle Ferry Black River and tributaries in the	1	1	30 00
Samuel Kingston	Parish of Glenelg		1	30 00
Robert Keating	from Rolph's Crossing, upwards N.W. Miramichi River and tributaries, from McKay's Flats to North West	1	do	50 00
Jas. Fitzpatrick M. Ryan	Bridge Black River North West Miramichi	Nanan	1 40	30 00 30 00 30 00
	Queen's County.			
Isaiah Langan	Salmon River	Chipman, W.O., Gas-	!	
John Secord	Canaan River From Cole's Island to foot of Washa-	Longs' Creek, Johnston	do	30 00 30 00
	demoak Lake Headwaters, Washademoak Lake	Longing W () Lohnaton	Overseer Warden	100 60 25 60
	Restigouche County.			
A. McPherson John Mowat	From Belledune to Dalhousie The River Restigouche and its tributaries, in the Counties of Restigouche and Victoria, including also		1	100 99
	the waters of the Bay des Chaleurs	Dee Side, Matapedia,	Overseer	******
	Carried forward			7,378 00

Schedule of Fishery Officers in the several Provinces, &c.—Continued.

PROVINCE OF NEW BRUNSWICK-Concluded. Overseer District. Address. Name. or Salary. Warden. 7,378 00 Brought forward..... Sunbury County. G. W. Hoben...... St. John River, Indiantown, to Co. line of York Overseer. 100 00 W. E. Taylor do do ... Sheffieid... Warden ... 30 00 St. John County. 150 00 from Quaco Head to Goose River... St. Martins 100 00 Victoria County. C. McCluskey..... County of Victoria Grand Falls. Overseer... Chas. Roberts..... Lower Division, Tobique River Andover. Warden ... Jno. McDougall.... Three Brooks, branch of Tobique 100 00 30 00 River Rocky Brook, Parish of 30 00 30 00 do Lorne do do 30 00 30 00 do Tobique River, Parish of Lorne Edward Maloney .. Upper Division, ďο 30 00 Westmoreland County. 100 00 60 00 100 00 York County. J. Campbell Grand Pass, on St. John River, up-150 00 Fredericton Overseer... wards from Crock's Point to Lower Line of York County, including Nashwaak River.... Kingsclear, W.O., Fre-60 00 dericton..... Warden ... Wm. Brown St. John River, from Upper Line of York County to Crock's Point, on 60 00 River St. John Southampton do From Price's Bend to Burnt Hill, S.W. 30 00 Miramichi..... iBloomfield do 8,598 00

Schedule of Fishery Officers in the several Provinces, &c .- Continued.

PROVINCE OF PRINCE EDWARD ISLAND.

Name.	District.	Address.	Overse or Warde	ì	Salaı	.y.
J. Hunter Duvar	Prince Edward Island.	Alberton	Inspecto of Fis			
	Queen's County.		eries.	•••	800	00
Michael Ready	Winter River	Winter River	Warden		30	00.
John McMillon	do Vernon River New Glasgow	do	do			00
Chas Stephenson	Vernon River New Glasgow	New Classey	do			00
James Power	Huntley and Wheatly Rivers	Huntley River	do do			00
Jonathan Delany	Huntley and Wheatly Rivers New Loudon	New London.	do			00
UUII Mathieson	Konshaw, from Annin Road to Dom		3	1		•
	River and from South Wiltshire Road to the Coast Lots 60 and 62 Charlottetown, including East, West	West River	! do		20	00-
Finlay Mackenzie.	Lots 60 and 62	Pinette River	do			00
Francis Stanley	Charlottetown, including East, West		""		00	
					30	00
Thomas Murphy	South West River	Thout Dimen	do			00
Peter Traynor	Johnston's River, including Oyster	Trout River	i do	•••	30	0 0
- Tray nor min	Fishery at its mouth	Johnston's River	do]	20	00
B. Loughrim	Fishery at its mouth	Orwell	do			00
W. Campbell	Cousin's Run	Cousin's Run	do			00
Henry Clark D. L. Bryant	Prince County. Dunk River and Egmont Bay From western bank of Big Pierre Jacques River to the point where the	{	Oversee	r	2 00	CO:
	North line of Lot 15, touches the			!		
Cal	shore of Eamont Ray	Enmana Divan	Warden		30	00.
James T. D.	Tryon River	Tryon River	do			00
James Romesy	Lot 13 Trout River	Miminigash	do			00
Hugh McIntosh	Lot 14 do	Lot 14	do do	1	30	00
Abraham Wall	Dunk River, Lot 25	Lot 25	do			00
Patrick McBride	do do	do	do		30	
Laurence Dies.	Lot 14 do	do	do			00
John Regton	Lots 5, 6 and 10	INAM PONG	do	···i		00
~ vo A. Onsine	LIOL 12. OR THE NATIONS	ILIOT IZ	do do		30 30	00
Patrick Delaney	Summerside, including Bedeque Bay		uo	``\	30	00)
	and South nary of Richmond Row	Summerside	ďο	;	30	00
John Chaisson Chanel	Tignish, from line of Lot No. 2, north-					
	ward, to include Little and Big Tignish, and westward to Railway. Skinner's Pond, southward, from south end of Nail Pond to Black	, , , , , ,	đo		3 0	00
	south end of Nail Pond to Black		Ì	1		
	Pond, inclusive, and East to Rail-	do	do		30	00
	Cascumpeque Bay and Inlet, from the Narrows to Kildare Capes		da		94	00
Thos. Drummond.	Dank River	Freetown.	do do			00
			40	···	30	00
		*************************************		-	1,90	

PROVINCE OF PRINCE EDWARD ISLAND-Concluded.

Name.	District.	Address.	Overseer or Wardea.	Salary.
	Brought forward King's County.		***************************************	\$ cts 1,900 00
Allan McDonald	Souris River North Lake			30 6 0 30 00
Edmund Aitken	Grand River	Bay Fortune River	do	30 00 30 00 30 00
	Naufrage River	d L		30 00
	to the Coast	Murray Harbour	do	30 00
James Mitchell John O'Brien	St. Peter's and Morell	St. Peters Peake's Road Morell River	do do	30 00 30 0 0 30 00
Pat. McCullough J. H. Dingwell	Third do	Peake's Road Morell River		00.00
	Total			2,260 00

PROVINCE OF BRITISH COLUMBIA.

			Victoria		600 00 500 00
Geo. Pettendreigh			New Westminister	1	
	Total	****** ****** ****** *****			1,100 00

RECAPITULATION.

Samuel Wilmot, Superintendent Fish-Breeding Establishments in the		
Dominion	2,000	00
Ontario	7,275	00
Quebec	6,890	00
Nova Scotia	11,165	00
New Bronswick	8,598	
Prince Edward Island.	2,260	
British Columbia	1,100	
Total.	@20 000	
1 Utal	Φ 59, 288	vv

WM. SMITH,
Deputy Minister of Marine and Fisheries.

John Tilton,
Accountant.

APPENDIX No. 2.

Statement of Expenditure on account of Fisheries, for the Fiscal Year ended 30th June, 1880.

ONTARIO S cts Contario S cts	To whom Paid.	Serv	rice.		Amount.	Total
Dasa Gilchrist Dasa Da		·ONTA	ARIO.		\$ cts.	
Dasa Gilchrist Dasa Da	. W. Kerr	For 12 months' salary as	Fishery Overseer, to 3	0th		
Oseph Redmond		June, 1880				
Ames Patton	nas. Gilchrist.			- 1		
do	oseph Redmond			١.		
Ceter Kiel	teo Cochespa			- 1		
S. Boismier	Peter Eigl					
David McMaster.	4. Rojemian					
Chas, Wilkins	David McMaster					
Ohn Mooney.	Dhas, Wilkins					
C. L. Bingham	Ohn Mooney.			- 1		
C. L. Bingham	Peter McCann		do		200 00	
W. E. Foot.	U. L. Bingham	do		•••		
A. C. McKinnon	V. E. Foot	do		••••		
Color Colo	A. C. N. Sills			1		
OS Wilson	I. R. Crohom					
G. S. Miller	Jos. Wilson					
A. B. Abrey. do do 100 00	G. S. Miller	do		· ·		
Muir.	* B. Abrev	l do				
Samuel Frazer	us. Mnir.	do				
Same Frazer do do 100 00 do 10	TEULA L'AMB	i da	do		100 00	
Mex. McKeuzie	Damiel Frazer	i do				
W. P. Croome do do 100 00 P. McCarron do do 100 00 R. Bell. do do 75 00 J. A. Cameron do do 58 33 John Wallace do do 55 00 J. D. McMillan do do 55 00 J. D. McMillan do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do do 55 00 John McAllister do John McAlli	Ala Dickson	do		•••		
A. McCarron	W P Communication	do				
A. Bell	P. McCarner	do		1		
3. A. Cameron do do 58 33 John Wallace do do 50 00 John Wallace do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McAllister do do 50 00 John McMeride do do 50 00 John McMeride do do 50 00 John McMeride do do 50 00 John McMeride do do 50 00 John McMeride do do 50 00 John McMeride do John McMeride do John McMeride do John McMeride do John McMeride do John McMeride John	16. Dell	i do				
J. D. McMillan	· A. Cameron	do				
A. J. Harrington	Wallace	1 do				
A. J. Harrington do do 50 00	V. D. McMillan	i do	do		50 00	
S. W. Raymond. do 50 00 Wm. Pool do do 50 00 W. H. Johnston. do do 50 00 A. E. Mills. do do 50 00 Eph. Deacon do do 50 00 J. R. McDonald do 50 00 J. G. Wilcox. do do 50 00 J. G. Wilcox. do do 50 00 Alex. McBride do do 50 00 Andrew Hughson do do 50 00 Andrew Telfer do do 50 00 Timothy McQueen do do 50 00 Wm. McGram. do 50 00	41. d. Harrington	i do		•••		
W. Raymond	- VIII MCAIIISTOP	1 66		•••		
Th. Joinston Qo						}
Eph. Deacon do do 50 00 Leph. Deacon do do 50 00 J. R. McDonald do 50 00 Terence McGarrity do do 50 00 J. G. Wilcox do do 50 00 Alex. McBride do do 50 00 Andrew Hughson do do 50 00 Andrew Telfer do do 50 00 Timothy McQueen do do 50 00 Wm. McGown do 50 00 Wm. McGown do 50 00 Wm. McGown do 50 00 Wm. McGown do 50 00 Wm. McGown do do 50 00 Wm. McGown do do 50 00	W. H. Johnston	do				
Descon	- · · Li. Viilla	1 40				Ì
Terence McGarrity	TPU, Heecon	! (10				
J. G. Wilcox. do do 50 00 d						
Alex. McBride						
Andrew Hughson				•••	50 00	i
Andrew Hughson				٠.		1
Timothy McQueen do do 50 00 Jas. Cummins do do 50 00 Wm. McComm				•••		ļ
Jas. Cummins						l
Wm. McCommins	Jas. Cumming	do			1 55 00	l .
Wellington Hull do do 50 00	Wm. McComm	do				1
	Wellington Hull	i do				1

To whom Paid.		Service.		Amount.	Total.
	Bro	ught forward		\$ cts.	
	ONTAR	IO-Continued.	1	1	
J. McMichael		y as Fishery Overseer, to	30th	50 00	
Wm. Hastings	do	do	•••	50 00	
Jas. Greer.	do	do		40 00	
Angus Brady Wm. Hicks	do do	do do		40 00 } 40 00 }	
Jas. McFadden	do	do		30 00	
W. D. Pollock	do	фо		30 00	
M. L. Russell	do	do	•••	25 00	
Henry Hunt Thomas Cartier	do do	do do	***	20 60	
Daniel Bowen	18 do	do		150 00	
Hugh McFayden	18 do	do		60 00	
Wm. Prosser	18 do	do		45 00	
John Morrow Thos. McKibbon	18 do 10 do	do do	•••	37 50 20 83	
Geo. Douglas	10 do	do	:::	20 83	
John Grant	9 do	do		30 00	
Archibald Acheson	9 do	qo		18 75	
John Cox Wm. Boucher	4 do 2 do	do do		16 66 16 66 t	
J. Halfpenny	2 do	do	•••{	6 66	
Olivier Miron	2 do	do		5 00	
J. B. Moody	l do	do		4 17	
Alfred Knight		as Fishery Overseer, to	30th	83 33	
Robt. Watt	Balance of salary	as Fishery Overseer, to	5th	00 00 }	
	June, 1879.	**********		41 80	
J. S. Webster		Constable		428 00	
O. Baumwart D. McLaren		an at Port Royal, 1879		35 00	
J. J. Newman	do do	Nepigon River, 187 Merriekville, 1879		50 00 10 00	
John Gordon	do	Duffin's Creek		100 00	
Peter Gosline	фo	Rouge River	!	25 06	
Thos. Harris	do	River Credit		20 00	
J. W. Kerr		rscments as Fishery Over		603 32	
C. Gilchrist	do	do		574 95	
C. L. Bingham	do	do.		424 00	
Chas. Wilkins	do	do		329 50	
Geo. Cochrane	do do	do do	•••	254 49 214 25	
Jos. Wilson	do	do		194 00	
John Mooney	do	do "		177 25	
A. C. McKinnon	do	do		137 16	
W. E. Foot	do	do	•••	86 42	
Alex. McKenzie	do do	do do	•••	109 97 157 07	
 A. Cameron	do	do	:::	95 00	
Jos. Redmond	do	do	***	86 00	
Peter Kiel	do	do		81 50	
Robt. Bell	do	do do	•••	81 66	
Peter McCarron	do do	do do	•••	77 25 74 26	
A. Hughson	do	go	:::]	71 20	
A. J. Harrington	do	do	•	69 25	
Jas. Sutherland	do	do	••••]	65 63	

To whom Paid.	Serv	ice.	-	Amount.	Total.
	Brough	t forward		\$ cts. 11,103 98	\$ cts.
	ONTARIO-	-Continued.			
Peter McCann	For 12 months' disburseme	ents as Fishery Overse	er,		
W. H. Johnston	to 30th June, 1886	do	••••	50 35 48 00	
os. Dickson	do	do		45 00	1
G. S. Miller	do	ďο		40, 60	1
James MuirE. Boismier	do do	do d o		40 25 33 50	
W. P. Croome	do	do	:::	35 36	
ALCULA L'O'MA	do	do	[29 00	i
VUID MCAIligter	do	фо		18 00	
Robt. Watt	do do	do do		8 90	
WILL HICKS	do	do	:::	10 25 25 50	
"U. Boucher	do	do		25 00	
W 40. Hastings	do	₫ o	[24 33	
Andrew Telfer	do do	do do		22 00	1
AUDOTHV Mc(Inden	do	do	:::	22 00 20 9 0	!
TUID (Frant	do	do		20 32	
T. Itraham	₫ο	φo		17 45	
Geo. Douglas	do do	d o do	•••	14 50 12 00	
4408. Cartier.	do	đo		11 00	
~~UVIIR Kronv	do	do		10 50	
~ 4UN. MCKIDDOM	ďo	ďο		8 00	
A. E. Mills	do	do	•••	5 25	
	do do	do do		4 45 2 25	
David Conger	Disbursements as Fig	shery Overseer, to 3	31st		
Wm. Fahey	December, 1878 12 months' disbursem	ents as Special Fish	ery	36 00	,
John Connor		June, 1880		66 00	
Connor	Expenses in connecti	om with prosecution ng refuse from their t			
Maria an	neries to run into			23 00	
Neil Morrison	do	do		6 50	
J. W. Kerr	Costs in suit of J. Pa		of	20 00	Į
J. J. Foy	Fisheries' Act Professional Services,	Regina vs. Patchet		71 08	
	Compiling statistics	***********		42 00	Ì
	Repairing boats			21 65	
D. Conger St. L. & O. Railway	Freight on confiscated do boats	nets		4 50 4 00	
- O. tealiway	do boats	**** ********* **** ***********			12,003 37
	QUEB	EC.	Ì	1	, ,
10 -		•	- 1		
. U. Bélanger	For 12 months' salary as I	ishery Overseer, to 3	0th]		ĺ
V. Mathania	June, 1880			150 00	
G. L. Duguay	do .	do do	:::	150 00 150 00	
P. C. Gobeil	do	do		150 00	1
J. Legon-s	φo	do	{	150 00	1
W. H. Whisal	do	do do	•••	100 00 1	1
M. Laurendeau	do do	do	•••	100 00 1	ı
Wm. McLeod	do	do		100 00	
ı	Carlied fo	rward		1,150 00	*******

To whom Paid.		Service.	•	Amount.	Tota	1.
	В	rou6ht forward		\$ cts. 1,150 00 \.	\$	cts.
	QU	EBEC-Continued.	Ì			
ob Bilodeau Fo	r 12 months' sal	lary as Fishery Overseer, to	30th	1		
. Mowat	June, 1886	lary as Fishery Overseer, to		50 00		
j	Decembe	r, 1879		150 00		
Vibert	do do	do do	•••	100 00		
os. Radford	do	do	:::	100 00		
ohn Morris,	do	do		100 00		
C. Caron	do	do		100 00		
oseph Marion	фo	do		100 00		
R. W. H. Dimock	do	do		100 00		
J. Loranger	do do	do do		75 00 50 00		
V. C. Willis	do	do	***	75 00		
I. Martin	go	do	\	50 00		
L. E. Grondin	do	do		50 00		
Vital Charest	фo	d o		50 00		
Alfred Blais	ģο	ģo	!	50 00 1		
J. Letournean	do	do	}	50 00 50 00		
5. F. Copp	do do	do do	•••	50 00		
J. B. Chevalier	go	do		50 00		
P. Latraverse.	do	do		50 00		
Jacques Girard	do	do	}	50 00		
J. B McDonald	ďο	ďo		50 00		
D. B. McGie	do	do do		50 00 (25 00		
John Phelan	do do	do	:::1	25 00 25 00		
J. J. Fox	go	do	1	25 00		
P. E. Luke	do	do		25 00	ļ	
Wm. Clyde	do	do	•••]	25 00	1	
U. Bhereur	do	do	•••}	25 00	l	
Jos. Simard	do do	do do	•••	20 00 20 00	ı	
O. Leflêche	do	do		20 00	1	
J. J. Lamoureux	do	do	}	20 00	j.	
Vital Veilleux	do	do		20 00	}	
J. B. G. Lajoie	do	do	•••}	20 00	j	
Geo. Gagnon	do	do	••••	15 00	1	
Phileas Dubé	do do	do do		15 00 15 00	i	
Antoine Filion	do	do	•••	15 00	İ	
Alex. Beaton	do	do		15 00	1	
Thos. Evans	do	do		15 00	{	
Romuald Maltais	do	do	•••	12 50		
J. F. Picotin	do	do	•••	12 50	:	
Andrew Watt	do	do alary, to 30th April, 1880,	•••	12 50 41 66	1	
Jos. Landry	9 do	as Fishery Overseer,			1	
1	_	March, 1880	*******	75 00	1	
A. Campbell	do	do	to 2011	75 0 0	1	
Antoine Chevrier	6 do	as Fishery Overseer, June, 1880	io suth	50 00	}	
Frs. Duchesne	3 do	as Fishery Overseer, 1	to 30th		}	
1		June, 1880	• • • • • • • • • • •	37 50	1	
J. S. Webster	Wages as Sp	ecial Fishery Constable	*** *****	304 00	1	
				J	.	

To whom Paid.		Service.		Amount	t.	Total.
	P 14 C			\$ 0		\$ cts
		rward		3,830	90	********
	QUEB	EC-Continued.	1			
lex. Mowat	For wages as Specia	l Fishery Guardian, M Restigouche Rivers, 1879	atepe-	150	ا ۱	
ohn Campbell	do as Specia	l Fishery Guardian, K		150 (- 1	
Lefurgy	dо	do		125 (100 (
Maloney.	River, 18	I Fishery Guardian, Ro		96 (00	
· Stephens	Memphre	l Fishery Guardian,	Lake	84 (
Descroisellelf. Malois.	do do as Special	do Fishery Guardian, An	ticosti	63 (00	
hos. Gagné		do		60 (
aniel Brown	do as Specia	I Fishery Guardian, E	scum-			
. Fairbairn	do as Specia	er, 1879l Fishery Guardian, Ga		50 (- 1	
. Bedard		879 Guardian, Fish Be	ıy, '79	50 (50 (
Davis	do Gaspé, 1	do St. John 879	River,	50 (00	
- Asselin		l Fishery Guardian,	Rouge	35	00	
acques Leonard	do as Specia	al Fishery Guardian, River, 1879	North	35		
Laframboise	do as Specia	l Fishery Guardian, O	ttawa		- 1	
ntoine Maltais	do as Specia	1 Fishery Guardian, No	uvelle	25		
. Fullu		879 I Fishery Guardian, No	uvelle	25	00	
avier King	River, 18 do as Specia	879	Biack	25	00	
· Simard	Bay, 1879	al Fishery Guardian,		20	00	
ntoine Simard	Nairne,	1879 Guardian, D		15	00	
os. Radford	mag Rive	r 1879		10	00	
	to 30th June, 188	30	rseer,	1,550		
ohn Mowat	do do	do do	•••	839 5 534 3		
 Vibert	do	do		430	1	
۲۰ G. Willia ا	do	do		216		
F. Copp	do	do	•••	192		
· MOrris	do	do	•••	192		
B. McGie	do	do.	••••	192		
acques Girard	eto do	do	••••	163		
C. Caron	do do	do do	••••	162 : 137 -		
Mathurin	do	do	•••	134		
W. H Dimock	do	do	•••	132		
*• 14. Illionov	do	do		126		
	do	do		117		i
· w. mcl.cod	do	do		108		
	do	do		106		
· V. neignmer	ao	фо	1	101	80	
	do	do	1	81		
- Alarun	do	do		77		
" Duoe	' ለለ	ďο	•••}	75		Ī
. J. Loranger	do	do	•••]	74	w	
			1-		77	

To whom Paid.	Serv	vice.		Amount.	Total.
	Brou	ght forward	- 	\$ ets. 10,704 77	\$] cts.
	QUEBEC-	-Continued.	i	1	
L. E. Grondin	For 12 months' disbursen	nents as Fishery Oversee	r,		
	to 30th June, 1880			74 00	
Jules Gauvreau	do do	3.		67 10 65 44	
J. J. Letourneau	do	، مد		63 90	
Jos. Boily	d o	do		53 75	
Thos. Evans	do	3	…(52 05	
J. B. McDonald J. B. Chevalier	do do	.) ~		51 25 46 40	
R. W. Jones	do	4.	:::[46 00	
J. J. Fox	do	da		45 00	
Job Bilodeau	do			40 50	
Vital Charest	do			33 00	
J. I. Lamoureux John Phelan	do do	4.0		31 25 30 50	
O. Laflèche	do	4.		30 00	
Wm. Clyde	do	do		26 05	
J. B. G. Lajoie	do		}	20 00	
U. Bhereur And. Watt	do do	4.	•••	19 00 17 2 5	
Chas. Potvin	do	do		16 00	
J. F. Picotin	do	4.		15 80	
Alex. Beaton	đo		•••	15 00	
J. E. Demeule	go			13 65	
J. D. McMillan L. P. Huot	do do	4.	•••!	10 90 10 32	
S. P. Bauset	do	4.		149 25	
C. Laframboise		ecial Fishery Constable		166 50	
Jos. Barbeau	do		•••	106 95	
C. Barbeau	do do	٠. د	•••	79 39	
G. Gareau G. Barbeau	do	4.	[67 50 25 00	
J. S. Webster	do	ďo		22 00	
D. Bedard	Hauling stones for s	pawning beds, Campbell	's	,,	
N 4 C	Bay	**************************************	•••	67 00	
N. A. Comeau B. Batson	Rost and basthouse	nity River	•••	31 50	
J. Taché	Plan of fishery station	ons, District of Saguen		50 00 28 00	
H. W. Austin	Expenses, special end	quiry into Richelieu Div	'n	25 00	•
P. Latraverse				12 00	
St. L. & O. Railway				8 11	
J. Connor	Disbursements in co	uardians onnection with seizure t Hull	of	5 50 5 15	
A. Campbell		lot at Campbell's Bay, 18		25 00	
Jas. Hodgins	do	do		10 00	1
Frank Johnston Jas. Lamb	do	do	•••	10 00	!
Leon Carpentier	do do	do do		15 00 20 00	ŀ
M. Gleeson	do	do		10 00	Ì
M. Summers	do	ďο		5 00	
Pat. & Thos. McNamara.		do	•••	5 00	j
Jos. Bedard David Bedard		do	•••	5 00	1
John McDermid	do do	do do		5 9 0 5 00	ļ
Malcolm McLachlan		do		5 00	į
Stationery		***************************************		24 05	1
-			-		12,591

To whom Paid.		Service.		Amount.	Total.
].	NOVA SCOTIA.		\$ cts.	\$ c t
	SALARIES OF FIS	SHERY OVERSEERS AN	D WARDENS.		
	c	ounty of Annapolis.]		
V. T. Carty	For 12 months' sa	lary, to 30th June,	1880	120 00	
· F. MOTIOD	l do	ao		25 00	
eo. Vroom	do do	do do		25 0 0 25 00	
' . A. Kice	6 40	do		12 50	
	6 40	do		12 50	
TUMEN BAKET	l 6 do	do	********	12 50	
lbert Barteaulichael Riordan	6 do 6 do	do do		12 50 12 5 0	
II. POPPAP	4 40	to 31st October	r. 1879	8 33	
408. Herera	do	do		8 33	
		φo	•••••	8 33	
B. Dobson. iner Clark.	do do	do do	**********	8 33 8 33	•
Olula	uo	uu	***************************************	0 33	299 1
	Co	unty of Antigonish.	ļ	1	
ohn McDonald	For 12 months' sa	alary, to 30th June,	1880	125 00	
	ų uo	άο		30 00	
VUIII Cameron.	do	do	*********	30 00	
ngus McDonald	do do	do do	******	25 00 25 00	
	do	do		25 00	
	do	do		25 00	
	do	ďο		25 00	
ugh Cameron	do do	do do	••••••	25 00 25 00	
	do	do	***************************************	20 00	
	do	go	,	20 00	
	do	<u>d</u> o		15 00	
ames McDougald	6 do	to 31st Decemi	oer. 1879	12 50	427 5
	l .	inty of Cape Breton.	1	ļ	
rancis Quinan lex. McDonald	For 12 months' sa	lary, to 30th June,	1880	120 00	
ork Rarrington	do do	do do	*****	120 00 120 9 0	
	do	do	***************************************	32 50	
	do	do		25 00	
	ďο	ďο	•••••	25 60	
ngus Morrison enis Murphy	do do	do do	*******	25 00 25 00	
McLellan	do	do	***********	25 00 1	
atrick Keeffe	do	do	******	25 00	
m b alcoolmick	do	фo		25 00	
llan Mana	do	do		25 00	
lex Mar	do do	do do		25 00 20 00	
onald McDonald	6 do	to 31st Decemi	per. 1879	12 50	
ohn McNeil	6 do	do		12 50	
-че мооге		1st July, 1879, 1879	to 16th May,		
rehd w o	9 3.	1880	1880	17 47	
J. McNeil	2 do 2 do	to 30th June, 3	1004	3 33 4 17	
	_ ~		-		687 4

To whom Paid.		Service,		Amount.	Total.
	Br	ought forward		. \$ cts.	\$ cts 1,414 12
	NOVA	SCOTIA—Continu	ed.		
	Salari	es, etc.—Continue	d.		
Í	Cou	nty of Colchester.			
. W. Davidson	For 12 months' sale			100 00	
J. Pollock	do do	do de		100 00 75 60	
. Urquhart	do	do	***************************************	44 78	
Fuiton	ďο	фo		25 00	
hos. Davidson, 2nd	do	do		25 00	
l. G. Murray	do do	do do	•••••••	25 00 25 00	
Vm. Winton	go	do	*****************	25 00	
lfred Wright	do	do	•••••	25 00	
imothy Johnston	do	do	•••••	25 00	
lenderson Gass	8 do	do	***********	31 67	
L. R. Fulton	7 do 4 do	do do	•	14 58	
Frame	4 do	do	********	7 73 6 68	
. Bonyman	Salary from 1s	t July to 21st Aug	ust. 1880	5 69	
V. McElheney	do	do	•••••	3 56	
					564 69
	_				
•	Cour	ity of Cumberland.			
as. King		ry, to 30th June,	1880	100 00	
llijah Fewler Diver Fillmore	do	do	***************************************	30 00	
. W. Moore	do do	do do	******	25 00 25 00	
David Corbett	do	do	*************	25 00	
loses Harrison	do	do	***********	25 00	
L. Jenks	do	do		25 00	
Collingwood Pugsley	do	ďο	************	25 00	
Vm. Murphy	7 do 6 do	do	******** *****	60 00	
R. Smith	6 do	do do	******	15 00 12 50	
. W. Lowther	6 do	do	************	12 50	
Saml. McPherson	6 do	do	**********	12 50	
saac Hingley	Salary from 1s	t July to 21st Aug	., 1879	14 24	
. Brownell	do	do		3 56	
Asa Fillmore Iy. Fountain	do la do	t July to 31st Oct do	., 1879	8 32 10 00	
-y - 1 - 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	uo	uo		10 00	428 62
,	c	ounty of Digby.			
H Marahanga			1000		
J. H. Morehouse	do	do	1000	120 00 50 00	
A. L. Gavil	do	do	******	25 00	
ochlin McKay	do	do		25 00	
Robt. Journey	do	do		25 00	
A. Melancon		t July to 31st Oct	•	25 00	
. M. Devault	do	do		8 33	
· I · IHIDOUCKU	do	do	• *******	8 33	286 66
	i			i l	
	1			1	2,691 09

To whom Paid.	Service.			Amount.	Total.
		Brought forward	******	\$ cts.	\$ cts. 2,694 09
	NOVA	SCOTIA—Contin	ued.	1	
	Salari	es, etc.—Continu	ed.	ĺ	
	Coun	ty of Guysboroug	h.		
A. Tory	For 12 months' sala	ry, to 30th June,	1880	150 00	
Allan McQuarrie Donald Gunn	do do	do do	••••••	90 00 30 00	
Wm. Pride	do	do		30 00	
Adam Kirk	do	do		30 00	
hos. McKeen	do	do		30 00	
lames Cook	do	do	••• •• ••••••	25 00	
O. Mc. C. Sinclair Quncan Cameron	do do	do do	••••••	20 00 1 20 00	
harles Kenney	do	do	***************************************	15 00 i	
Kobt. McKav	do	do		15 00	
uke Harpell	do	фo		15 00	
ames Nickerson	do	do		15 00	
red. Mattie	do do	do do	•••••	15 00	
A. McDonald	10 do	do		33 33	
Wm. McDonald	l 10 do	đo		20 83	
. L. Smyth	10 do	фo		20 83	
angus Cameron	ί 10 αο	do		20 83	
John McEllum	10 do	do	******	20 83	
John Jones James Henderson	10 do 10 do	do do	***************************************	20 83 1 20 83 1	
Samuel Hudson	10 do	go	***************************************	20 83	
John J. Sangster	1 10 do	do		20 83	
McDaniel	Salary from 1st	t July to 21st Au	gust, 1879	14 24	
Alex. Ross	do	do	••••	3 56	
Ed. Jordan	do	do	••••••	4 26	732 03
_	;	ounty of Halifax.			
Wm. Anderson John Fitzgerald	For 12 months' sale	ary, to 30th June		150 00 150 00	
Wm. Hall.	do do	do do	******	40 00	
Archibald Kidston	i do	do	***********	40 00	
Nathaniel Magon	.t do	do	********	40 00	
G. Tolsen	.l do	do	******	40 00	
MADDES Blakely	do l	do	******	30 00	
Donald McCleam. Henry Balcam.	do do	do do	******	30 00 l 30 00 l	
John McCurdy	do	do	******	30 00	
unes Gardner	. do	do		30 00	
UUD TAVIOR	.i do	do	**** *******	30 00	
Geo. Parker	.i do	фo	******	30 00	
CO. Keizer	.1 00	do	******	30 00	
James Miller	1 40	do do	***************************************	30 00 25 00	
Paulei Mochar	l do	do	10000 0000000	20 00	
Wolker	l do	do	***********	20 00	
A. Shatford	. L R do	do	***********	26 67	
VUII Krazar	Ah 🧣 I	do	***************************************	20 00	
N. McLean D. Cameron	l Solory from 16	it July to 21st A			
Сашегой	.! do	do	*****	4 26	851 6
	ì				001, 0

To whom Paid.	Service.			Amount.	Total.
		ought forward		\$ cts.	\$ cts. 4,277 74
	_	SCOTIA—Contin	_ {	1	
		es, etc.—Continuounty of Hants.	····		
D S Rumbam		• .	1000	100 00	
P. S. Burnham T. B. O'Bri en	do do	do	1000	100 00	
Joseph Mosher		do		50 00	
lames Mosher	do	do	***************************************	30 00	
J. M. O'Brien		do		30 00	
J. B. Colter	do	do	•••••••••••••••••••••••••••••••••••••••	30 00	340 00
	Cou	nty of Inverness.	i	. !	
Peter Coady		•	. 1880	84 36	
Neil Mckay	i do	do		25 00	
Hugh Cameron	do	фo		25 00	
Mark Crowdis		do	*********	25 00	
Donald McDonald		do		25 00 20 00	
Malcolm McKay David Ross		do do	******	79 16	
D. F. McLean.		do	***************************************	79 16	
Miles McDaniel	94 do	do		19 78	
Peter Benvie	9 1 do	do		19 78	
M. B. McDonald	9₹ do	₫o		19 78	* .
Moses Murphy	9 1 do	ďο		19 78	
Daniel McDermid	91 do 91 do	do do	••••••	19 78	
Wm. Hart, jun		do	***************************************	19 78 19 78	
Angus McFarlane		ďo		19 78	
J. P. McFarlane		do		19 78	
Stephen Graham) 9 1 do	do		19 78	
John McLean	9 1 do	фo		19 78	
John McKenzie		ďο		7 28	
Donald Carmichael M. A. Ross	do Solowy from 1	do it July to 15th Se	n+ 1070	7 28 20 84	
Hugh Gillies	do	do	ър., 1010	20 84 1	
J. Cameron		do		20 84	
J. Meagher		do		5 21	
M. McDonald		do	****	5 21	
A. McLellan		do	*******	5 21	
Jas. McGarry		do	*******	5 21	
K. McKenzie M. McLeod		do do	*******	5 21 5 21	
G. Ingraham		do	*******	5 21	
J. Carroll	i do	do		5 21	
D. McDonald	đo	do	•••••	5 21	704 2
	0	ounty of King's.	Ì		,,,
J. E. Starr	<u>.</u>		.1880	250 00	
Wm. McIntyre	do	do	,	59 00	
R. F. Reid		do	*******	36 46	
	_				5,321 9
		arried forward 30		336 46 (9,321 9

To whom Paid.	Service.			Amount.	Total.
	Par	ought forward		\$ cts.	\$ cts.
		ought forward	1	336 46	5,321 97
	NOVA 8	SCOTIA—Continue	d.		
,	SALARI	ES, ETC Continued	<i>i</i> .	į	
	County of	f King's-Continue	ed.	1	
E. Bishop	For 2 months' salary	y, to 30th June, 188	0	5 00	
os. Angus	2 do	do	1070	5 00	
rad. Benjamin	do	t July to 21st Aug.	, 1019	17 80 2 84	
Buchanan	đó	do		2 84	
E. Bishop	do	do	•••••	2 84	372 78
	Gaum.	oter of Termenterna			312 10
No. 70 11		ty of Lunenburg.		100.00	
Geo. Redden H. S. Jost	for 12 months' sala	ry, to 30th June, 18 do	80	100 00	
Geo. Moland		do		25 00	
John Hutt	do	do		25 00	
ames Langille	do	do		25 00	
Charles Pernette	do	do do		25 00 l	
James Mossman John Andrews	do do	do	*** ********	25 00 25 00	
G. A. Nesbitt	1 do	do		25 00	
Ed. Boylan	do do	do		25 00	
wm. Croft	i do	do	•••••	25 00	
Elis Hebb	do	do	********	25 00	
James Corkum	10½ do 8 do	do do	************	21 87 20 83	
Oavid Demon	l 8 do	do		16 67	
beni. Rothenhiser	1 8 do	do	***********	16 67	
18818h Resancon	1 la do	do	7070	3 12	
Wm. Mosher	Salary, from 1s	it July to 21st Aug	, 1879	3 56	532 72
	Co	ounty of Pictou,	l		
D. G. McDonald	For 12 months' sals	ry, to 30th June, 18	80	170 00	
Chas. Henry Donald McLean	1 (10	do do		140 00	
Geo. McKenzie	do do	do		30 00 25 00 (
Our McDorald	do	do		25 00	
Conaid Frazer	c D	do	******	25 00	
4. Porteons	1 00	do		25 00	
Wm. Turner	do do	do do	*************	25 00 25 00	
Wm. McDonald	: do	do	******	25 00 25 00	
"VURIO MAI) Anaid	do	do	**************	25 00	
TUOS, Frazer	l do	do	***************************************	25 00	
4. U. Pritchard	10 do	фо	*************	125 00	
E. Cameron. Wm. McKenzie.	1 111 (0)	do do	*************************	20 83	
TULU MCKANNIA	1 × 40	do	***********	16 67 16 6 7	
- vor Gamphall	1 K (10)	do	************	16 67	
		do	******	16 67	
		do	. 1070	12 50	
Wm. Frazer Wm. Smith	1 6 00	to 31st Decembe to 31st October,	r, 1879 1879	12 50 8 33	
	1				

To whom Paid.	Service.			Amount.	Total.
	Br	ought forward		\$ cts. 810 84	\$ cts- 6,227 47
j	NOVA S	COTIA-Continue	d.		
	SALARIE	s, etc.—Continued		İ	
į	County of	f Pictou-Continu	ied.	1	
Robert ArchibaldI J. Robertson D. MillerWm. McGregor	Salary, from 1s	ry, to 31st Octobe t July to 15th Sep to 21st August, 1 ry,from 1st Jan. to	t., 1879	8 33 4 16 2 84 9 56	835 73
	Ca	unty of Queens.			
S. T. N. Sellon	do do do do	ary, to 30th June, do do do . st July to 15th Sep do do do do do do do		225 00 60 00 60 00 57 50 27 50 6 25 6 25 5 21 4 16 4 16 3 13	459 16
İ	Cou	nty of Richmond.	·		
Duncan Cameron	For 12 months' sala	rv. to 30th June, 1		125 00	
Francis Marmeau	do do do do do do do do	do do do do do do do do		125 00 30 00 30 00 30 00 30 00 30 00 25 00 25 00 20 00 26 25 4 26	545 51
	Cou	nty of Shelburne.			
Geo. Archer M. Greenwood P. Crowell C. A. Holden Geo. Ryer Wm. J. McGill Hy. Ackerman James Turner Richard McGill S. Muir	do do 8 do 8 do 10 do 10 do 4 do	ary, to 30th June, do do do do do do to 31st Oct., 16 do 19 days' salary, to	379	20 00 20 00 33 33 33 33 101 27 16 67 10 00 6 67	283 18

To whom Paid.	Service.			Amount.	Total.
	Broug	ght forward	,	\$ cts.	\$ cts 8,351 05
,	NOVA SC	OTIA — Continu	ed.		
		ETC Continue			
	Count	y of Victoria.			
W. Burke	For 12 months' salary			120 00	
onald McRae ngus McDonald	do do	do do	***********	120 00 30 00	
toderick Beaton	do	do		30 00	
vm. Foyle	do	do	********	30 00	
ohn McCharles Onald Buchaman	do	do		30 00	
falcolm McIvor	do do	do do	***************************************	30 00	
Oseph (Juinn	1 do	do		30 00 1	
ieo. Burton	l do	đo		30 00	
oseph Helen	do	, do	•••••	30 00 ¦	
ohn McLellan onald McQuarrie	do do	do do		25 00 25 00	
onald McMillan	do	do	***************************************	25 00	
onald McAulay	l do	do		25 00	
lector McKenzie	l do	do	***************************************	25 00	
Onald McRae Ohn McDonald	do do	do do	**************	25 00 20 83	
rancis McGregor	l 8 do	do		16 67	
onn McRae	8 do	do		16 67	
Neaneth McKenzie	1 6 do ·	to 31st Decemb	er, 1879	15 00	
rancis Arnold	Salary, from 1st	July to 21st Au	ıg., 1879	3 56	
			į	1	732 7
D	i	of Yarmouth.			
Enos Gardner	For 12 months' salar	y, to 30th June,	1880	150 00	
J. A. Hatfield Jerome Doucette	.1 00	αo	· · · · · · · · · · · · · · · · · · ·	50 00	
W. Mayanagh) do	do do		30 00 25 00	
u, Prosser	l do	do		25 00	
"USIACA Niekarcan	1 (10	фo		25 00	
Edward PerryVital Muise	do do	do		25 00	
' • 01. White	1 10	do do	***********	25 0 9 25 00	
W. Thurston	1 00	do		25 00	
J. I. Brand.	do	00		25 00	
					430 (
_	i	of Fishery Ov	ERSEERS.		
Enos Gardner	For 12 months' disbu	rsements, to 31	st Dec., 1879	217 50	
		•	do	181 46	
W. T Contra	do		do	128 00	
			do do	96 60 86 10	
			do	79 00	
			do	78 50	
Geo. Reddenames King			do	78 50	
-20 Trink	do do		do	77 50	
			••••••	1,023 16	9,513

To whom Paid.	Service	•		Amount.	Total.	
	Brought for	ward		\$ cts. 1,023 16	\$ 9,513	cts. 78
	NOVA SCOTIA-	-Concluded.	- 1			
	Disbursements of Fishery (Overseers—Conc	luded.			
Frs. Quinan	For 12 months' disbursement	s, to 31st Dec	1879	77 10		
ohn McDonald	do	do		70 64		
D. F. McLean		do		70 37		
J. A. Tory	ďο	ďο		66 20		
r. B. O'Brien		do	••••]	66 00		
ohn Fitzgerald		do		62 73		
Peter Coady	do do	do do	•••	60 00 56 93		
A. McQuarrie Alex. McDonald	L	do	***	55 00		
H. Morehouse		do		54 50		
). McRae	do	do		50 80		
David Ross	do	do		48 00		
J. E. Henry	do	do	}	42 02		
A. C. Pritchard	do ·	do	•••ί	41 40		
. S. Burnham		do	•••	40 50		
H. S. Jost		do	•••	40 00		
J. W. Davison		do	•••	39 50		
Y. A. Barrington		do	•••	36 00		
Francis Marmeau		do do	••••	32 25 32 50		
J. W. Burke D. Cameron		do		30 00		
4. Bishop	_	do		28 60		
D. G. McDonald		do	1	27 45		
J. McDaniel		· do	;	26 25		
Hy. Blair		do	•••}	17 50		
L. A. Melancon		do	••••	15 75		
N. B. Blair		do	••••	15 00		
C. H. Payson		do	••••	13 00		
R. J. Pollock		do		12 65		
J. B. Colter		do do	••••	5 20 3 00		
Isaac J. Hingley Henderson Gass	do	do	••••	2 00		
Henderson Gass	1	u0			2,262	00
W. H. Rogers	For 12 months' salary as	Inspector of			2,202	
	Fisheries, to 30th June, Superannuation tax on W.	1880	76 00 J	ļ		
Receiver-General			04 00 }	1		
	salary	•••••	24 00	1 000 00 1		
OV EI SValdo	Balance of salary as Inspect	or of Figheries		1,200 00 125 83		
W. H. Rocars	For 12 months' disbursemen	ts og Inghector	of Fis-	123 63		
44 . II. 1408 c.s	heries, to 30th June, 188	00		1,020 00		
W. H. Wylde	heries, to 30th June, 188 Balance of disbursements as	Inspector of Fis	heries.	27 44		
W. H. Rogers	Office rent			50 00		
	Printing			4 00		67
-	· ! —		ļ		2,427	21
	1		j	}·	34.000	05
	Ţ.,	3	.	-	14,203 22	50
	Less refun	d	• •••••			
	1		ľ	į.	14,180	55
					72) vo	

To whom Paid.		Service.		Amount.	Total.
				1	
	MEM	DDIIMORIAT			Or ot∎
	NEW	BRUNSWICK.		\$ cts.	\$ cts.
7	SALARIES OF FISHE	RY OVERSEERS AN	D WARDENS.	}	
	Co	unty of Albert.		1	
_		,			
Winthorp Akerley	For 12 months' salar	y, to 30th June, 1		100 00	
Wallace Taylor C. McLatchey	do do	do do		40 00 1 40 00 1	
U. Kinne	do	do		40 00	
D. Uliver.	do	do		40 00	
Jacob Beck.	do	do		30 00	000 00
			ľ		290 00
	Cou	nty of Carleton	Ī	1	
Ter -	i	• -		150.00	
W. B. Mills.	For 12 months' sala	ry, to 30th June,	1880	150 00 100 00	
Geo. Burt	do do	d o do	***************************************	30 00	
· W. Scott	40	uo			280 00
	~		1	į.	
	Coun	nty of Charlotte.			
W. B. McLaughlin	For 12 months' sala	rv. to 30th June.	1880	240 00	
rank Todd) do	do		120 00	
Walles Krown	do	do		100 00	
Weonard Rest	ı 0 0	ďο		100 00	
T. M. Lord	1 00	do de	*************	70 00	
B. L. Cunningham	do do	d o do		30 00	
TOUL ()Inkann	1 00	do		30 00	
403. Riiggell	1 00	do	************	30 00	
Addrew Gilmour	1 00	do		30 00	
au. Uarroll	i do	do		30 00 25 00	
Thos. Holmes	10 do 2 do	do do		5 00	
Tos. Holmes	2 40				880 00
			·		
	Cour	nty of Gloucester.		Į.	
James Hickson	For 12 months' sale	ry, to 30th June,	1880	250 00	
uste Haché	do.	ao		100 00	
CAIS Londer inn	1 00	do		50 00	
"W. Bateman	. 1	do	************	50 00 50 00	
Jos. Pointon	do	do do		50 00	
		do	********	40 00	
		do	****** /#******	30 00	
		do	****.***	30 00	
		do do		30 00 30 00	
Adolpha Usahé	do	do	******************	30 00	
Wm. Rogers	do	do	************	25 00	
J. Calnan, jun	do	do	******	25 00 }	
• • • • • • • • • • • • • • • • • • • •					799 00
		ounty of Kent.			
O	1	•		Ì	
Chas. Cormier	For 12 months' sale	ary, to 30th June	, 1880	100 00	
	1 40	do	********	75 00 75 00	
M. A. Girouard	. do	do	******	15 00	
	0:	arried forward	***** ** ****** ** *****	250 00	2,240 00
	•	35			

To whom Paid.		Service.		Amount.	Total.
				\$ cts.	\$ cti
		Brought forward	1	250 00	2,240 00
	NEW	BRUNSWICK-Cont	inued.	ì	•
	S.	LARIES, RTC Continue	ed.	1	
	Con	unty of Kent—Continu	ed.		
Lazare Guimon	For 12 months	salary, to both June,	1880	75 00	
Nicholas Muzzeroll	do	do		50 00	
F. B. Legaré James Harnett	do do	do do		30 00 30 00	
A. L. Collet	do	do		30 00	
			į-		465 O
		County of Kinys.	i	,	
Samuel Gosline.,	For 12 months	salary, to 30th June,	1880	100 00	
A. Belyea	do	ψo		50 00	
S. F. Ryan	do do	do do		30 00	
F. W. Hatfield	2 do	do		8 33	
onah Keith	2 d o	do		5 00	223 3
		4 47 47 47 47 47	. -		223
		unty of Northumberlan			
John Hogan			1880	400 00 1	
Wm. Wyse Chris. Parker	do do	do do		200 00 160 00	
Samuel Holt	do	do		160 00	
as. Russell	do	do		150 00	
Samuel Freeze John Williston	do do	do do	*****************	100 00	
P. Robichaux.		do	***************************************	100 00	
K. Cameron	do	do		100 00	
John Blake.		do		70 00	
Thomas Taylor John Stymast	do	do do		50 00	
Jared Blackmore		do	******	50 00	
Samuel Kingston	do	do		50 90	
Aaron Hovey		do	•••••	30 00 / 30 00 /	
Geo. Bryenton Pat. Bergin	do	do do	***************************************	30 00	
Thos. Smith	do	do	•••••	30.00	
Pat. Gillis	do	do		30 00	
Denis Hogan		do		30 00 j 30 00 j	
Findlay McDairmaid Nathaniel Morehouse	do do	do do		30 00	
John Doyle	i do	do		30 00	
Angus McIntosh) do	do	***************************************	30 00	
Tubal Watling Pat. Keating	do do	do do	***************************************	30 00 30 00	
James Fitzpatrick.	do	do	*******	30 00	
Daniel Matthews	do	do	* *********	30 00	
Michael Donavan	1	do	******	18 00	
Peter Russell Hy. Oldfield		do do	**************	22 50 1 22 50 1	
M. Ryan		do	1 *************************************	17 50	
J. T. Coughlan.	6 do	do	*****	15 00	
J. W. Underhill	1 2 do	do		5 00	

Geo. Hubbard F. John Shaddick W. Dalton F. Chas. Call Jas. Bury Michael Young B. Forsyth T. P. Sheasgreen F. John Second Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook H. Starkey	NEW BRUN	nght forward		\$ cts.	
John Shaddick W. Dalton Chas. Call Jas. Bury. Michael Young B. Forsyth T. P. Sheasgreen Isaac Hetherington Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook		SWICK—Continu		2,260 50	\$ cts. 2,928 33
John Shaddick W. Dalton Chas. Call Jas. Bury. Michael Young B. Forsyth T. P. Sheasgreen Isaac Hetherington Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook	SALARIES		ied.	!	
John Shaddick W. Dalton Chas. Call Jas. Bury. Michael Young B. Forsyth T. P. Sheasgreen Isaac Hetherington Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook		ETC.—Continue	L]		
John Shaddick W. Dalton Chas. Call Jas. Bury. Michael Young B. Forsyth T. P. Sheasgreen Isaac Hetherington Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook	County of North	humberland—Con	cluded.	1	
Isaac Hetherington	2 do	do		8 33 8 33 240 00 57 50 36 00 20 00 15 00	
John Secord Isaiah Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook	do	do	•	15 00	2,660 66
John Secord Isaish Langan Robert Philips W. H. Clark Robt. McMann R. P. Yeoman S. Thorne J. J. Camp Carey Eastabrook	Cour	nty of Queens.	ļ		2,000 00
J. J. Camp	or 12 months' salar do do do do	•	******		
Varey Eastabrook	do do	do do	*******	11 39 11 39	
	do do	do do	4 2144	11 39 11 39	
	2	6 B 1			26 0 9 1
A		y of Restigouche.			
A. McPherson	do do	y, to 30th June, do do Jan. to 31st Dec	**********	25 00 25 00	172 8 9
	Cour	ity of Sunbury.			
G. W. Hoben	For 12 months' salar 11 do	ry, to 30th June, do	1880	100 00 27 50	127 5 0
	Cour	nty of St. John.		!	
Joseph O' Brien	For 12 months' sala do . Wages as Assis	ao	1880	150 00 100 00 35 00	285 00
	Cou	nty of Victoria.			i
Chas. McCloskey Chas. Roberts John McDougall J. C. McCloskey	For 12 months' sala do do do	r y , to 30th June, do do do	1880	100 00 30 00 30 00 30 00	
	Ca	rried forward	***************************************	190 00	6,435 2

To whom Paid.		Service.		Amount,	Total.
		rought forward		\$ cts.	\$ cts 6,435 29
	ļ	C.	_ }		-, -
	İ	INSWICK—Contin	_	}	
	SALAR	ies, etc.—Continue	id.		
	Ccunty of	Victoria—Conclu	de d .	1	
Donald Frazer				30 00 30 00	
Chos. Edgar Edward Maloney	do do	do do		30 00	
John McCloskey	6 do	to 31st Dec., 1	879	50 00	330 00
		CTVT . I I			300
		j of Westmoreland.			
W. B. Deacon	For 12 months' sale		1880	100 00 60 00	
D. T. Cormier	do 3 do	do do		25 00	OA
	 		<u></u>		185 00
	C	ounty of York	İ	1	
Campbell	For 12 months' sal	ary, to 30th June,	1880	60 00	
Wm. Brown	do	do do		60 00 30 00	
Robert Orr		00		137 50	
	_	_	ľ		287 50
	Disbursement	rs of Fishery Ovi	RSRERS.		
James Hickson	For 12 months' dis	bu rsem ents to 31st do	Dec., 1879	288 00 196 12	
Wm, Wyse	do	do	••••	104 72	
W. B. Deacon	do	ďο	•••••	78 75	
Samuel Goslinesaac T. Hetherington		do do	•••	76 20 72 45	
ames Russell		do		65 10	
Dharles McCluskey		do		53 75	
3. L. Cunningham	do	do	*******	53 00	
) M Commiss		ďο	• ••••••	52 00 \	
		do	•••••	51 35 50 00 1	
. McD. Sutherland		do do	. ******** *****	49 50	•
V. McD. Sutherland	l do		*****	49 37	
V. McD. Sutherland V. B. McLaughlin os. O'Brien		do			
W. McD. Sutherland W. B. McLaughlin fos. O'Brien ohn Williston W. B. Mills	do do	do . do		47 75	
W. McD. Sutherland W. B. McLaughlin fos. O'Brien ohn Williston W. B. Mills	do do	do . d o do	***************	47 75 45 50	
McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills V. E. Skillen I. Ferguson	do do do do	do do do		45 50 36 00	
McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills W. E. Skillen E. Ferguson Robert Orr	do do do do	do do do do		45 50 36 00 36 00	
W. McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills W. E. Skillen L. Ferguson Zobert Orr Winthrop Akerley	do do do do do do	d o do do do do		45 50 36 00 36 00 35 34	
W. McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills W. E. Skillen L. Ferguson Zobert Orr Winthrop Akerley Samuel Freeze	do do do do do do	do do do do do		45 50 36 00 36 00 35 34 35 22	
M. M. Sutherland W. B. McLaughlin Osa. O'Brien Ohn Williston W. B. Mills W. E. Skillen G. Ferguson Robert Orr Winthrop Akerley Samuel Freeze Frank Todd	do do do do do do do	do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25	
McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills W. E. Skillen L. Ferguson Cobert Orr Winthrop Akerley Samuel Freeze Frank Todd	do do do do do do do	do do do do do		45 50 36 00 36 00 35 34 35 22	
McD. Sutherland	do do do do do do do do do	do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25 33 00 33 00 30 00	
McD. Sutherland	do do do do do do do do do	do do do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25 33 00 33 00 30 00 30 00	
McD. Sutherland	do do do do do do do do do	do do do do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25 33 00 33 00 30 00 30 00 30 00	
D. T. Cormier J. McD. Sutherland W. B. McLaughlin Os. O'Brien Ohn Williston. W. B. Mills W. E. Skillen E. Ferguson Robert Orr Winthrop Akerley Samuel Freeze Frank Todd Amos Perley James M. Lord H. W. Hoben Seo. R. Burt Chos. Taylor	do do do do do do do do do do	do do do do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25 33 00 33 00 30 00 30 00 30 00 30 00	
McD. Sutherland W. B. McLaughlin os. O'Brien ohn Williston W. B. Mills W. E. Skillen L. Ferguson Cobert Orr Winthrop Akerley Jamuel Freeze Frank Todd Amos Perley ames M. Lord L. W. Hoben Leo. R. Burt Charles Cormier	do do do do do do do do do do do	do do do do do do do do do		45 50 36 00 36 00 35 34 35 22 33 25 33 00 33 00 30 00 30 00 30 00	

To whom Paid.		Service.		Amount.	Tota	l.
				\$ cts.	\$	cts
	E	rought forward	• • • • • • • • • • • • • • • • • • • •	1,755 12	7,237	79
	NEW BR	UNSWICK—Concl	uded.	İ		
	Disbus	SEMENTS-Conclude	<i>1.</i>			
Leonard Best	For 12 months' dis	bursements to 31st	Dec., 1879	27 00		
W. S. Bateman	do	do do	***************************************	26 00 25 75		
VUN Klake	i do	do	*************	25 50		
"USLIDIAN SAVOY	l do	do		22 50		
Findlay McDiarmid James Brown	1 40	do do	****** *******	21 50		
48. A. Relvag	l do	do	***************************************	20 00		
"AU. Krown	i do	do	******	20 00		
Kenneth Cameron John Stymast.	1 40	do	***************************************	18 42		
~ · FREKAP	1 00	do do	************	16 00 14 00		
TUSIE Hache	l do	do		9 50		
Laules Fitzpatrick	do	do	***********	8 50		
Alexis Landry Wallace Taylor	do do	do		5 00		
		do	****** ***** ***	4 00	2,038	79
W. H. Venning	For 12 months' sale	ary as Inspector of	Fisheries, to	. a a i	-, - 00	
C. R. Venning						
Receiver-General	Superannuation to	on colories of Inch	actor & Clark	1 00 00 1		
W. H. Venning.	TOT IN MOUNTS	aispuiscincuis as	inspector or	j j		
John Homen	fisheries, to so	Li Julie, 1000.	•••• •••••	500 00 36 65		
Harrison & Burbidge C. W. Weldon	Professional service	es, in re McFee ve.	Mowat	340 52		
O. W. Weldon	do	<u>u</u> o	*******	40 00		
D. O'Connor	į do	do	41	33 80		
	do	in connection wi		28 69		
J. L. Tweedie	do	,		25 00		
Hugh Deshrisay	do	do	•••	25 00		
Mesers. Desbrisay	Postage stamps	****** ******** ***** *****	••••••	62 52		
Geo. Phillips.	do	*** ****** *** **** ***** *****		49 91 10 00		
Geo. Phillips. D. McAlpine	Directory		•••••	2 00		
And a michilian	Brandery	······ ······· ·······················	******* ***** *****	6 35		
Andrew Mulherrin	Advertising	••• ••••• • •••• • • • • • • • • • • •	*** **** ******	43 00 11 00		
t done ming ou					3,014	42
	'PRINCE	EDWARD ISLAN	D.	-	12,291	00
	SALARIES OF FISH	ERY INSPECTOR AND	WARDENS.			
J. H. Duvar.	For salary as Inspe-	ctor of Fisheries, fr	om 16th May,			
	•	ine, 1880	••• ••••		881	97
A.,	. <i>Co</i>	ounty of Kings.				
Andrew Whelan	For 12 months' sala	ry, to 30th June, 18	80	30 00		
Allan McDonald	do	do	*******	30 00		
Edma- Matheson	do	do	•••••	30 00		
R. McDonald	do de	do , do	***************************************	30 00		
		•	***************************************			
		rried forward		150 00		97

Brought forward	To whom Paid.	Service.		Amount.	Total.
Salaries, sto. County of Kings Concluded. County of Kings Concluded.		В	rought forward		\$ 1 cts 881£97
County of Kings—Concluded. Peter Duffy. For 8 months' salary, to 30th June, 1880 20 00		PRINCE EDV	VARD ISLAND—Continued.	1	
Peter Duffy		Salar	IES, ETC.—Continued.		
Dank Reiliy		County	of Kings-Concluded.		
Dank Reiliy	Peter Duffy	For 8 months' sal	lary, to 30th June, 1880	20 00	
J. H. Dingwell					
John Lowe					
Pat. McCulloch.					
James Mitchell	Pot McCulloch				
John Fisher.					
J. McGuire.					
Frs. Cook					
John Crane.					
John McMillan				10 00	
County of Queens 350					
County of Queens County of Queens County of Queens	John Crane	4 00	ao	10 00	350 0
Michael Ready		(County of Queens.		4
Michael Ready	John McMillan	For 12 months' sa	lary, to 30th June, 1880	30 00	
Lionel Garnum	Michael Ready	do			
James Ramsay					
Chas. Stephenson do do 30 00 Wm. Whitehead do do 30 00 Thos. Murphy do do 30 00 Francis Stanley 8 do do 20 00 Findlay McKenzie 8 do do 20 00 Jas. Matheson 8 do do 20 00 Ewan Clark 4 do do 10 00 Alex. McRae 4 do do 10 00 Alex. McRae 4 do do 10 00 B. Morrison 4 do do 10 00 Wm. Campbell For services as Special Guardian 30 00 Wm. Campbell For 12 months' salary, to 30th June, 1880 30 00 Hugh McIntosh do do 30 00 Hugh McIntosh do do 30 00 Patrick McBride do do 30 00 John Beaton do do 30 00 Ab. Wall do do 30 00 Wm. Burns					,
Wm. Whitehead do do 30 00 Thos. Murphy 8 do do 20 00 Francis Stanley 8 do do 20 00 Findlay McKenzie 8 do do 20 00 Jas. Matheson 8 do do 20 00 Jas. Clow 4 do do 10 00 Jas. Clow 4 do do 10 00 Alex. McRae 4 do do 10 00 B. Morrison 4 do do 10 00 Wm. Campbell For services as Special Guardian 30 00 James Ramsay For 12 months' salary, to 30th June, 1880 30 00 Hugh McIntosh do do 30 00 Hugh McIntosh do do 30 00 Patrick McBride do do 30 00 Patrick McBride do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 Wm. Burns do do 30 00					
Thos. Murphy do do 30 00 Francis Stanley 8 do do 20 00 Findlay McKenzie 8 do do 20 00 Jas. Matheson 8 do do 20 00 Ewan Clark 4 do do 10 00 Alex. McRae 4 do do 10 00 Alex. McRae 4 do do 10 00 B. Morrison 4 do do 10 00 Wm. Campbell For services as Special Guardian 30 00 Verm. Campbell For services as Special Guardian 30 00 James Ramsay For 12 months' salary, to 30th June, 1880 30 00 Hugh McIntosh do do 30 00 Lawrence Phee do do 30 00 Patrick McBride do do 30 00 Ab. Wall do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 G. A. Sharp					
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Jas. Matheson					
Ewan Clark 4 do to 31st Oct., 1879 10 00 Jas. Clow 4 do do 10 00 Alex. McRae 4 do do 10 00 B. Morrison 4 do do 10 00 Wm. Campbell For services as Special Guardian 30 00 County of Prince. County of Prince. James Ramsay For 12 months' salary, to 30th June, 1880 30 00 Hugh McIntosh do 30 00 Hugh McIntosh do 30 00 Lawrence Phee do do 30 00 Patrick McBride do do 30 00 Patrick McBride do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 Wm. Burns do do 30 00 Thos. Drummond do do 30 00 G. A. Sharp 10 do do 20 00 Jos. Chaisson 6 do do 15 00		1	_	20 00 1	
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Alex. McRae					
B. Morrison					
Wm. Campbell For services as Special Guardian 30 00 County of Prince					
County of Prince. 370					
James Ramsay For 12 months' salary, to 30th June, 1880 30 00 James T. Reid do do 30 00 Hugh McIntosh do do 30 00 Lawrence Phee do do 30 00 Patrick McBride do do 30 00 John Beaton do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 Thos. Drummond do do 30 00 G. A. Sharp 10 do do 30 00 P. Delaney 8 do do 26 00 Jos. Chaisson 6 do do 15 00 Alex McDonald 6 do do 15 00 Peter A Jward 6 do 31st December, 1879 15 00 N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 14 months' salary, to 30th June 1880 275	-				370 0
James T. Reid do do 30 00 Hugh McIntosh do do 30 00 Lawrence Phee do do 30 00 Patrick McBride do do 30 00 John Beaton do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 Thos. Drummond do do 30 00 G. A. Sharp 10 do do 25 00 P. Delaney 8 do do 20 00 Jos. Chaisson 6 do do 15 00 Alex McDonald 6 do do 15 00 Peter A. Perry 6 do 31st December, 1879 15 00 N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 14 months/ salary to 30th June 1890 2 75	James Ramson	1	·	20.00	
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John Beaton do do 30 00 Ab. Wall do do 30 00 Wm. Burns do do 30 00 Thos. Drummond do do 30 00 G. A. Sharp 10 do do 25 00 P. Delancy 8 do do 26 00 Jos. Chaisson 6 do do 15 00 Alex. McDonald 6 do do 15 00 Peter Aylward 6 do 31st December, 1879 15 00 Peter H. Perry 6 do 31st December, 1879 4 26 N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 14 months' salary, to 30th June 1880 2.75	Lawrence Phee	do			
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Thos. Drummond do do 30 00 G. A. Sharp 10 do do 25 00 P. Delaney 8 do do 26 00 Jos. Chaisson 6 do do 15 00 Alex. McDonald 6 do do 15 00 Peter Aylward 6 do 31st December, 1879 15 00 Peter H. Perry 6 do 31st December, 1879 4 26 N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 14 months' salary to 30th June 1880 2 75					
G. A. Sharp 10 do do 25 00 P. Delaney 8 do do 26 00 Jos. Chaisson 6 do do 15 00 Alex McDonald 6 do do 15 00 Peter Aylward 6 do do 15 00 Peter H. Perry 6 do 31st December, 1879 15 00 N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 280 275					
P. Delaney					
Jos. Chaisson					
Peter Aylward	Jos. Chaisson	6 do	do		
Peter H. Perry				15 00	
N. McArthur Salary, from 1st July to 21st August, 1879 4 26 D. L. Bryant 12 months, salary, to 30th June 1880					
D. L. Bryant 14 months' calary to 30th June 1880 2 75			31st December, 1879	15 00	
383					
l i	a. m. mjaataaaa	*2 months 8	atary, 10 30th sune, 1000	3 10	383 (

To whom Paid.	Service.	Amount.	Total.
	Brought forward PRINCE EDWARD ISLAND—Concluded.	\$ cts.	\$ cts. 1,984 98
	_		
l n r	DISBURSEMENTS, ETC.		
do	For 12 months' disbursements as Inspector of Fisheries to 30th June, 1880 Special services in connection with presence of United States vessel "Kearsage" on the	316 91	
John Clark	Balance of disbursements as Fishery Overseer,	294 97	
A. A. McDonald	Postages, etc	85 63 4 00	701 51
	BRITISH COLUMBIA.	}	2,686 49
A. C. Anderson G. Pettendreigh A. C. Anderson	For 12 months' salary as Inspector of Fisheries, to 30th June, 1880	600 00 499 92 300 00	1,399 92
	MANITOBA,	-	
James Anderson	To pay for printing and other disbursements con- nected with enforcement of Fishery Laws in Manitoba		19 75
_	FISHERIES' PROTECTION SERVICE—GULF AND LOWER ST. LAWRENCE.		
Wm. Wakeham P. R. Dubé J. Couturier H. Roy J. Valle M. Baker W. Wakeham do F. H. O'Brien	do	1,200 00 126 00 67 20 67 20 67 20 67 20 149 78 85 50 50 00	
	FISH-BREEDING.		1,880 08
SamuellWilmot Receiver-General Samuel Wilmot	For 12 months' salary as Superintendent of the several Fish-Breeding Establishments in ominion, to 30th June, 1880	1,960 00 40 00	0 851 70
			2,551 79
	Carried forward41		2,551 79

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts.	\$ cts. 2,551 79
	FISH-BREEDING—Continued.		,
	Newcastle Establishment, Ontario.	İ	
Charles Wilmot	For 10 months' salary as Caretaker, to 30th April,		
Wm. Parker	1880	500 00	
W. H. Barber	Salary as Assistant Caretaker for quarter to	420 00	
Wm. Parker	30th Sept , 1879 Disbursements, collecting and distributing fry	100 00 192 55	
S Wilmot	do do do	158 20	
Chas. Wilmot,	do do do	70 60	
W. H. Barber.	do do do	26 25	
Jos. Nevin	Wages as Guardian, Baldwin's Creek	40 00	
Rice, Lewis & Son	Night Guardian	5 00	
Thos. Douglas	Express charges, freight, &c	25 07	
Express Co	do do	54 56 25 9 5	
Grand Trunk Railway	Freight	58 86	
J. R. Barefeldt	Hardware, &c	28 59	
R. S. Manning	do	3 21	
Jas. Wright	Tinware	27 82	
S. Hotte	Lining for aquaria. Horse hire	5 40 7 50	
A. Sarrasin	do	7 25	
Jas. O'Neill	do	3 00	
Jos. Neevin	Teaming	23 00	
S. Frazer W. Wagstaff		25 39	
Samuel Wilmot	Supplies	10 70	
G. M. Clark	do water privilege	200 00 100 00	
D. Rose	Coal	75 87	
D. M. Charlebois	Ice	11 00 1	
R. Andrews.	do	3 25	
Fuller, Warren & Co T. G. Rice	Stove fixings	20 95	
F. Stilwell	Wire frames Blacksmith's work.	12 00	
Lewis Quick	Wooden model of hatchery.	13 63	
J. H. Rolfe	Painting of aquaria.	21 88 50 01	
Montreal Telegraph Co	elegrams	26 47	
Dominion do	do	16 53	
M. Gorwell		46 50	
Lewis Strowger	Picking eggs	3 75	
C. J. Montgomery		8 10 2 40	
		2 40	2,431 24
	Sandwich Establishment, Ontario.	ĺ	-,
James Nevin	For 13 months' salary as officer in charge to 30th	j	
	June. 1880	650.00	
Wm. Hill		650 00 410 00	
Danl. Lemonde	Wages as Engineer	315 75	
E. O'Brien	Assistant Engineer	40 00	
James Nevin	Disbursements distributing fry	100 59	
W. Hill	.) do do	17 00	
Martin O'Brien		67 85	
	Labor, collecting eggs	128 00	
	Carried forward	1,729 19	4,983 03
	42	-, 1	-,

Brought forward	nount.	Total.
Sandwich Establishment, Ontario—Concluded. Wm. Hill	\$ cts. 729 19	\$ cts 4,983 03
Sandwich Establishment, Ontario—Concluded. Wm. Hill Bolsmier Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Co. McDonell Abenteil Cordwood Abenteil Abenteil Cordwood Abenteil Abenteil Coal Cordwood Abenteil Coal Coal Coal Coal Coal Coal Coal Coa	!	
C. McDonell do A. Bentell do Wm. Overton do Wm. Bentell do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos. Cogger do Wm. Benchell do Wm. Benchell do Dos. Cogger do Wm. Benchell do Dos. Lemonde do Wm. Benchell do Wm. Benchell do Dos Goger do Wm. Benchell do Dos Goger do Wm. Benchell do Wm. Benchell do Wm. Benchell do Dos Goger do Wm. Benchell do Dos Goger do Wm. Benchell do Dos Bawning fish do Wm. Benchell do Dos Goger do Dos Goger do Dos Goger do Dos Goger do Dos Goger do Dos Goger do Dos Goger do Dos Frazer do Dos Hovington do Dos Hovington do Dos Hovington do Dos Hovington do Dos Boullaine do Dos Dors Frazer do Dos Dos Hovington do Dos Dors Frazer do Dos Dos Hovington do Dos Dors Frazer do Dors Frazer Frazer do Dors Frazer Frazer do Dors Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer Frazer F	Ì	
Solsmer do A. Bentell do Wm. Overton do Wm. Bentell do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos. Cogger do Wm. Bentell do Dos Cogger do Wm. Bentell do Dos Cogger do Wm. Bentell do Dos Cogger do Dos Cogger do Dos Cogger do Dos Cogger do Dos Cogger do Dos Cogger do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cordwood do Dos Marken do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos Mingrey do Dos Cogger do Dos Cordwood do Dos More to Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Dos Cordwood do Dos Cordwood do Dos Dos Cordwood do Dos	31 80	
Bentell do Vm. Overton do Vm. Bentell do Vm. Bentell do Vm. Bentell do Vm. Bentell do Vm. Bentell do Vm. Scogger do Vm. Bentell do Vm. Bentel	30 00	
Vm. Overton	20 00	
Mr. Bentell	12 00	
nos. Cogger hs. Lemonde. hs. Lemonde. do spawning fish. do Boulaine do do do do do do do do do Boulaine da do d	10 00	
do spawning ish do do do ames Parrie do do do do ames Nevin do do do do do do do do do do do do do	5 00	
ames Parrie do Sawing cordwood do Cy Brien do Sawing cordwood do Cy Brien do Coal Lumber do Go Gowenor Granuit & Ouellette Lumber do Go Gowenor Grancis Riley Hire of steam tug Board of men do Gowenor Grancis Riley Hire of steam tug Board of men do Gowenor Grancis Riley Horse for Steam tug Board of men do Gowenor Grancis Riley Horse for Steam tug Board of men do Gowenor Grancis Riley Horse for Gowenor Grancis Riley Horse for Gowenor Grancis Riley Horse hire Horse hire Horse hire Furnishings do Gowenor Grancis Rubber Co'y Rubber G	21 75	
Ames Nevin	11 87	
Sawing cordwood (258 99 46 75	
do dette & Wherry. errauit & Ouellette McGee McGee McGee McKee McCaton McKee McKee McKee McCaton McKee McKee McCaton McKee McKee McCaton McKee McKee McCaton McKee McKee McCaton McKee McKee McCaton McKee McKee McCaton McKee McCaton	43 35	
Coal McGee	11 90	
errault & Ouellette	78 72	
A Frazer. do Francis Riley as. McKee Board of men I Middleton do Large wooden taps Duty on same Large woode to	23 37	
as. McKee Board of men Board of	9 60	
As McKee Board of men do do do w. French Large wooden taps Duty on same Iron tanks Repairs to engine do do do do do do do do do do do do do	4 36 50 00	
do dw. French Large wooden taps Duty on same Iron tanks Repairs to engine do do do do do do do do do do do do do	30 00	
Large wooden taps Duty on same Iron tanks En Lees Boismier Boot hire Boot hore Boot hire Boot hore Boot hir	6 75	
Madonette Duty on same Iron tanks Repairs to engine do	22 00	
Boismier do L Thorne do L W. Rood & Co. Governor for engine Boismier Boat hire L Boismier Boat hire L H. Bell Horse hire Guenot & Co. W. Gauthier Whitefish ova Rubber Co'y Rubber goods P. Donaldson & Co. Rent of ground, 2 years Tadoussac Establishment, Quebec. Tadoussac Establishment, Quebec. For 13 months' salary as Officer in charge, to 30th June, 1880. Plourde Base Wages and board as Assistant Expenses distributing salmon fry Ohn Hovington do do Caron do do S. Hovington do do Fed, Dufour. do do Boullaine do do Boullaine do do Jonetic State Sta	5 50	
Boisnier do I. Thorne do Gerr Bros do I. W. Rood & Co. Governor for engine. Boat hire Horse hire Horse hire Wrieux Bros Goulanter Rubber Co'y do P. Donaldson & Co. do Rent of ground, 2 years. Tadoussac Establishment, Quebec.	105 10	
Gerr Bros do I. W. Rood & Co Governor for engine Boat hire Horse hire Horse hire do I. W. Gauthier Horse hire	13 12 5 50	
A. W. Rood & Co. Boismier H. Bell Horse hire Furnishings equenot & Co. W. Gauthier Abber Co'y as. McKee Coseph Radford Plourde Plourde Plourde Plourde Coseph Radford Coseph Radf	6 00	
Governor for engine Boat hire H. Bell Horse hire Whitefish ova Rubber Co'y P. Donaldson & Co. as. McKee Goseph Radford For 13 months' salary as Officer in charge, to 30th June, 1880. Plourde Boat hire Furnishings do Rent of ground, 2 years Tadoussac Establishment, Quebec. For 13 months' salary as Officer in charge, to 30th June, 1880. Butter in the salary as Care-taker, to 30th June, 1880. Lacroix Rubber goods Rent of ground, 2 years Tadoussac Establishment, Quebec. Wages and board as Assistant Expenses distributing salmon fry Ohn Hovington Caron On do Odo Odo Odo Odo Odo Odo Odo Odo Odo O	1 00	
Horse hire evieux Bros equenct & Co W. Gauthier P. Donaldson & Co as. McKee Tadoussac Establishment, Quebec. For 13 months' salary as Officer in charge, to 30th June, 1880 Plourde 13 months' salary as Care-taker, to 30th June, 1880 Wages and board as Assistant Expenses distributing salmon fry ohn Hovington do do do Caron os. Hovington do do do fred, Dufour. do do do Boullaine do do do do do do do do do d	1 50	
equenot & Co. W. Gauthier. P. Donaldson & Co. as. McKee. Seph Radford. Plourde. Lacroix. Plourde. Caron. Os. Hovingto	15 00	
Coseph Radford Plourde Lacroix Plourde Coseph Radford Plourde Coseph Radford Coseph Radford Plourde Coseph Radford Coseph Rad	20 25	
whiteish ova tubber Co'y P. Donaldson & Co. as. McKee. Rent of ground, 2 years. Tadoussac Establishment, Quebec. Tadoussac Establishment, Quebec. Seph Radford. Polourde. 13 months' salary as Officer in charge, to 30th Jnne, 1880. 13 months' salary as Care-taker, to 30th June, 1880. Wages and board as Assistant. Expenses distributing salmon fry. do do Caron. Os. Hovington. do do Ted. Dufour. do do Ted. Dufour. do do Ted. Dufour. do do Seph Radford. Doublaine do do Go Go Go Go Go Go Go Go Go Go Go Go Go	56 33 30 93	
Rubber goods do do Rent of ground, 2 years Tadoussac, Establishment, Quebec. Plourde. 13 months' salary as Officer in charge, to 30th June, 1880. 13 months' salary as Care-taker, to 30th June, 1880. Lacroix. Wages and board as Assistant Expenses distributing salmon fry. ohn Hovington do do do do do red, Dufour. do do do do do do do do do d	90 00	
As. McKee Rent of ground, 2 years. Tadoussac Establishment, Quebec. Tadoussac Establishment, Quebec. Plourde June, 1880. 13 months' salary as Officer in charge, to 30th June, 1880. 13 months' salary as Care-taker, to 30th June, 1880. Wages and board as Assistant Expenses distributing salmon fry do do do do do do do do do do do do do	5 00	
Tadoussae Establishment, Quebec. Oseph Radford	1 84	
Oseph Radford. For 13 months' salary as Officer in charge, to 30th Jnne, 1880	40 00	2,869 4
Plourde		
Plourde		
Lacroix Wages and board as Assistant Plourie Expenses distributing salmon fry Ohn Hovington do do Caron do do S. Hovington do do red, Dufour do do ero Tremblay do do Boullaine do do	300 00	
On Hovington do do do do do do do do do do do do do	336 50 245 66	
Comparison Com	29 66	
08. Hovington	12 00	
ero Tremblay do do do	8 00	
Boullaine do do	8 00 k	
Journaine do do	6 00	
	4 42	
) Wat was a second to the seco	3 70	
	3 00	
Ty. Plourde Labor	34 70	
Carried forward	999 64	7,852 50

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 999 61	\$ cts. 7,852 50
	FISH-BREEDING-Continued.		
	Tadoussac Establishment, Quetec-Concluded.		
Pay List	For Labor	24 50	
Simon Goudreau	do	20 00	
Bell Manning.	do	18 70 15 20	
J. Jourdain	do	35 83	
F. Boulliane	do	3 00	
T, Therrien	do	1 90	
Z. Tremblay	do	1 75	
A. Dion	do	0 60	
J. Boulliane Mary Tremblay	dodo	0 40 0 25	
Simon Goudreau	Wages as Boatman	42 67	
Auguste Goudreau	Hire of boats	20 00	
O. Boulliane	Lumber	27 69	
Walter Ray	_ do	22 60	
H. S. Scott	Paint, oil, etc.	64 68	
F. Bourgoin O. Boulliane	dodo	16 79 4 18	
W. J. Ray	Coal oil, etc.	13 92	
A. Kane	Making tin can	16 50	
H. S. Scott	Hardware	18 90	
J. R. Kane	do	6 92	
J. R. Esmonde	Aquaria	57 95 5 65	
F. Chartrand	Packing aquaria Towage	24 00	
Donald McLaren	Carpenter's work	50 00	
F. Sutherland	Tubs for fry	5 85	
John Hovington	Fuel	9 10	
Jos. Radford	Nets for l'Anse au Pilote Fishery	47 00	
Wm. Hovington	Making net Blacksmith's work	3 36 5 78	
W. R. Roulcau Thos. Therrien	Pickets for Pointe à Cariole Fishery	6 00	
do	Board of men working at Hatchery	8 00	
H. Ottis	Services as Night-watchman	3 50	
T. Fortier	do	1 00	
St. Lawrence SS. Co	Freight		
Jos. Morneu		2 70 1 00	
Jos. Chamberlain P. Marquis		7 71 1	
A. Goudreau		4 25	
E. Lacroix.	Passage to Quebec	1 50	
Clovis Tremblay		1 00	
Jos. Radford			
do	Postages	1 05	1,650 00
	Gaspé Basin Establishment, Quebec.		1,000
P. Vibert	For 15 months' salary as Officer in charge, to 30th		
	June, 1880	375 00	
Henry Davis			
Th. 1771	1880	300 00	
P. Vibert			i
J. S. Davis	Catching and guarding parent salmon	208 30	
1	and Sament barons samenassississis		
•	Carried forward	921 96	9,502 50

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 921 96	\$ cts 9,502 50
	_		0,000
1	FISH-BREEDING—Continued.	į.	
į	Gaspé Basin Establishment, Quebec-Concluded.		
Alfred Davis	For Distributing salmon fry	46 30	
elix Annett	do /	35 80 34 45	
ames Cass.	do	34 05	
Abraham Coffin	do	26 40	
eter Miller.	do	25 20	
ohn Carberry	do	21 50	
Stanislaus Bond	do	15 00 14 30	
achlin Miller	do	14 30	
5. Sanson	do	13 00	
ames McIsaac	do	10 00	
W. C. Davis	do	55 90 ; 48 65 ;	
as. Cass	do	23 40	
dy. Olsen.	do	25 60	
Alfred Stanley	do	23 40	
A. T. Annett	do do	19 50 18 85	
· R. Coffint	do	11 70	
Wm. Coffin	do	12 60	
Jy. Davis	Labor,	8 00	
A Lemennion	do	6 50 1	
A. Lemesurier	Making Salmon nets	5 00 19 70	
· W. Lee	Spawn cans.	30 00	
Lemesurier	Fish cans	12 50	
Str. "City of St. John" J. & E. Collas	Freight on cans, passages, &c	35 65	
Leboutillier & Co	Hardware, &cdo	37 17 11 55	
1. Veit	Rope, coal, &c	45 92	•
W. Coffin	Hauling coal, &c	7 00	
H. Davis J. S. Davis	Stove, &c	11 00	
alt. Davis	Pickets	32 00 1 11 75 1	
Pavid Robbie	Carpenter's work	7 00	
oaml, Suddard	Cutting ice	6 00	
Montreal Telegraph Co	Wading boots	9 50 3 46	
a. T. Carter	Net dye	1 25	
ud. Lawes	do	1 20	
U18 1,001/10	Ferries	3 60	
Lemesurier 1	inch pipes	1 70	
as. Beattie	Horse hire	10 75. 1 75	
F. X. Lavoie	Copy of deed	1 55	
<u>{</u>	Ristigouche Establishment, Quebec.		1,772 70
John Mowat	, ,		
	For 15 months' salary as officer in charge to 30th	375 00 (
Wm. Robertson	months' wages as caretaker to June, 1880	270 00	
John Mowat	Disbursements in connection with Fish-Breed-	ţ	
	ing Establishment	173 20	
	ı		11,275 20

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 818 20	\$ cts 11,275 26
	FISH-BREEDING—Continued.	i	
	s' igduche Establishment, Quebec-Concluded.		
D. Harris. Wm. Ferguson Thos. Moores Robt. Pollock. James Miles Max. Mowat Jos. Bouliane John Ferguson Alex. Robertson Max. Mowat James Miles Robertson Max. Mowat James Miles R. A. Copeland Thos. Félix Andrew Murray John Ferguson W. Robertson A. Grant Intercolonial Express Co. Thos. Horan Valentine Wheeler G. E. Asker Chinic & Seaudet	For Catching parent salmon do do do do do do do do do do do do do	25 00 22 00 22 00 19 50 17 25 13 75 10 00 10 00 16 50 13 75 25 00 15 00 15 00 21 50 21 50 30 00 27 55 7 00 30 00 4 80 4 28	1,278 58
A. B. Wilmot do F. G. Tolson Wm, Beck Thos. Frazer Geo. Reeves J. H. Anderson O. K. Fillmore Andrew Muirhead N. Falkinham J. Eastwood J. D. Ennis Wm. Beck Albert Tolsen D. M. Geldert J. Tolsen Dean McKay F. W. Patton J. D. Ennis A. F. Salter G. French A. B. Wilmot Moir, Son & Co John Davison	Bedford Basin Establishment, Nova Scotia. For 12 months' salary as officer in charge to 30th June, 1880	799 92 431 88 312 50 72 00 16 50 70 00 217 70 106 75 42 90 47 50 27 00 24 00 10 54 116 50 53 75 33 00 15 00 7 25 6 00 49 10 24 00 13 50 48 97 19 22	.,410

ļ	Service.	Amount.	Total.	
	Brought forward	\$ ctq. 2,565 48	\$ cts 12,553 84	
		,	,	
	FISH BREEDING—Continued.			
	Bedford Basin Establishment, Nova Scotia-Con.	1		
	For Lumber	12 73		
R. A. Wood	do Plumbing, stove fixings, tin-work, etc	8 49 1 85 47		
d. J. Harris Theakston & Angevin	Hardware	3 6 83		
E. Wilson	do	6 75		
J. W. Gilroy	Nails, rubber coat, &c	11 66		
D. Henderson	Nails Rubber boots	9 35 12 00		
reighton & Marshall	Stationery	11 58	•	
Carter	Ice	6 00		
. W. Fulton	Canoe	15 00		
Wm. Gaul	Oil cloths	5 85 5 00		
R. Ellis	Blankets.	5 00		
McKenzie	Knitting dip nets	6 25		
. Patton	Night guardian at River Philip	48 00		
W. Lowther	do do	48 00		
W. Currie	Rent of store room	12 00 3 00		
A. C. Pritchard	Expenses at Barney's River, collecting ova	6 45		
C. L. Rood	Board	39 00		
Mrs. N. W. Moore	do	11 25		
Western Union Tel. Co Wm. Wood	Rent of land	12 00 1		
P. Young	Freight	9 00		
Simon Gaety	_do	8 00		
J. P. Mott & Co	Dynamita fuse and twins	5 50 1		
H. H. Fuller D. Browne	Dynamite, fuse and twine	5 00		
as. Reardon	Salmon boxes	14 00		
Kenneth Forbes	Rent of land	5 00		
R. H. Cogswell	Thermometer	1 00		
I. Archibald Ion. C. J. Townsend	Packing boxesLegal advice	8 60		
McDonald & Co	Gravel	2 50		
A. B. Wilmot	Enlarging reception tank at River Philip	200 00	3,253 99	
	Cape Breton Establishment, Nova Scotia.	,	0,200 0	
S. Wilmot	For Disbursements selecting site for Establishment		69 1	
	Miramicki Establishment, New Brunswick.	}		
saac Sheasgreen	For 12 months' salary as officer in charge to 30th			
_	June, 1880	449 94		
John Hogan	Disbursements distributing fry, &c	108 38 131 90		
wilck Hogan	do do	140 60		
Sout Sheasgreen	do do	89 00		
wead, Marnhy	do do	88 80		
Michael Ryan	1 00 40	69 20 60 30 4		
Nat. Morehouse	do do	31 92		

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 1,170 04	\$ cts- 15,877 00
	FISH-BREEDING—Continued.	,	,
j	Miramichi Establishment, New Brunswick—Con.	i	
F P Sheasarean	For Labour, &c., distributing fry	71 40	
Wm. Wyse	do	23 23	
Jared Tozer	Rent of scow	24 00	
John Sheasgreen	Watching fish	23 20	
Ferguson	Supplies	77 87	
R. R. Čall	Coal	54 00	
James Murray	Carting coal	24 00	
Sarah Tozer	Claim of dower on land for hatchery	100 00	
Barrison & Burbidge	Professional services	50 75	
R. P. Whitney	Twine	7 50 16 00	
V. & G. Watt L. H. Grimley	do	8 00	
. H. Phinney	Fish cans	7 00	
. McKenzie	Rent of fishing shanty	4 00	
, H. Phinney.	Stove and pipe	20 75	
. Sinclair	Lumber	14 75	
as. Young	Carting ice	13 00	
. Wilmot	Inspection expenses	39 50	
	St. John River Establishment, New Brunswick.		1,748 99
r. R. Cameron	For contract building establishment	2,438 62	
W. H. Barber	9 months salary as officer in charge to 30th	200 00	
	June, 1880.	320 00	
do	Disbursements distributing fry, &c Disbursements in connection with supplying	162 18	
a 16 a	salmon ova.	101 63	
C. McCluskey.	Account for catching fish	50 00	
A. Dickson Thas, Pickett	do	48 75 16 00	
W. Merritt.	do	8 00	
V. H. Austin	Carrying salmon eggs	4 30	
ohn Richards	Coal	52 00	
. B. Railway Co	Freight on coal	28 00	
. L. Pickett	Cordwood	48 00	
Valter Graham	Lumber	33 87	
age, Kidder & Co	Varnish	27 50	
J. Clark	Furniture, &c	144 58	
merson & Fisher	Stove	48 05	
. Wilmot	Freight on trays, &c	41 06 3 00	
Vm. Merritt	FreightRepairing dam	7 00	
everidge Bros	Hardware	1 85	
ohn Taylor	Stove fixings	5 02	
hos Douglas	Express charges on trays, &c	12 70	
lideon Fields	Overseeing construction of hatchery	56 80	
3. Wilmot	Travelling expenses	94 75	
G. Frazer	Wooden plugs	1 80	
Wm Connell	Legal expenses	95 00	
Dominion Tel. Co	Telegrams	0 55	3,851 01
	Dunk River Establishment, Prince Edward Island.	1	
	For Contract, building establishment	1,775 00	
do Schurman & Clark	do do reception housedo do dam	447 70 700 0 0	
	Carried forward	2,922 70	21,477 00

To whom Paid.	Service.	Amount.	Total.
	Brought forward	\$ cts. 2,922 70	\$ cts. 21,477 00
	FISH-BREEDING—Continue 1.		
1	Dunk River Establishment, P. E. Island-Con.		
lenry Clark	For Salary as officer in charge from 14th October, 1879, to 30th June, 1880	425 00	
lex. Mowat	Salary as assistant officer in charge from 1st	•	
ly. Clark	November to 31s: May, 1880 Disbursements, distributing fry, &c do in connection with supplying	350 00 59 87	
A. B. Wilmot	salmon	100 00	
ly. Clark	To pay for night watching, &c	82 30 48 65	
Wen Connolly		40 16	
. W. Crabb	Coal stove	32 28	
Williams	Freight on coal	8 60	
McDonald		14 62	
ohn Bethune	Piping	64 75	
hos. Beattie		42 00 66 06	
Ohn Bethune	1	66 25	
3. Wilmot	Disbursements	145 10	
Alex. McDonald	Horse hire	15 00	4,494 34
	GENERAL DISBURSEMENTS.		3,101 01
T. Ford	Building fishways at Milton, Liverpool River,		
TIV 44 TT .	Co. Queens, N.S.	760 24 1	
W. McKenzie E. Vachon			
J. Wallace			
• =	fish hatchery, at Lindoe Island	248 65	
Alex. Begg	Disbursements bringing ova from and taking live bass to Great Britain	100.00	
C. Gilchrist	Catching live bass and maskinongé for	100 00	
R. & W. Warminton	Campbell's Bay	165 50 519 25	
H. A. Palmer	Catching bass for breeding ponds, Campbell's		
B. Batson	Hire of tug taking live bass to Campbell's		
Jan Cuddin	Bay Cartage of fish		
Jas. Cuddie C. C. Ray		10 00	
-	Wages as special constable	33 75	
C. Barbeau	Wages as special constable	98 00	
G. R. Barbeau	do do	86 50	
S. Wilmot	building new establishment at Eastern		
	Townships		
	·		3,163 2
	1		29,134 6
	Less refund on account Alex. Mowatt's wages		25 0
		1	
		ł	29,109 6

East STATEMENT of Expenditure on account of Fisheries, &c. - Concluded.

RECAPITULATION.

Fisheries—Ontario	\$12. 003	37
Quebec	12.591	78
Nova Scotia	14,180	
New Brunswick	12,291	00
Prince Edward Island	2,686	49
British Columbia		92
Manitoba	19	75
Protection service, Gulf and Lower St. Lawrence	1,880	08
Fish-Breeding	29,109	61
Total	\$86,162	55

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 1880.

GASPÉ, 31st December, 1880.

To the Hon. J. C. Pope,
Minister of Marine and Fisheries.

Sir,—I have the honor to enclose you herewith my Report of the state and value of the fisheries in my division for the season just closed. As I have not yet been able to visit the greater part of the division, I shall confine the report to a comparative statement of the catch and value of the fisheries as compared with 1879. I must again repeat my remarks of last year with regard to the need of a vessel for the protection of the fisheries; this service has been kept up since 1855, and has always been found useful and necessary. An annually increasing number of schooners visit the fishing grounds of the lower part of the Labrador coast, for the prosecution of the cod fishery; it is almost entirely an in-shore fishery, and as things are at present it is entirely impossible for the local officers to protect the rights of the shore fishermen. I do trust that this coming season I may be placed in the same position as my predecessors, that I may be enabled to visit regularly all my division, and assist the local officers in maintaining order and enforcing the various provisions of the Fisheries Act.

The fisheries show a slight falling off when compared with 1879. The fisheries of the South Shore, Magdalen Islands and Anticosti have all fallen away materially, notably the cod and salmon, and the seal fishery at the Magdalen Islands. The fisheries of the North Shore show a considerable increase, especially the cod and seal.

I herewith present a comparative table of catch and value for 1879 and 1880:—

\$688,13**4**

Table showing Total Value, &c., of all Vessels, Boats, Flats, Nets, &c., used in the Gulf Division, with Number of Sailors, Fishermen, and Shoremen, in 1880.

Description.			Value.
Vesgels	No. Ton'ge. 9,970	Sailors. 843	\$ 3 57, 950
Fishing boats	Number. 3,398 2,440	Fishermen and Shoremen. 10,692	155,163 24,691
Total	***************************************		179,854
Salmon nets. Cod seines. Herring seines. do nets. Mackerel seines. do nets. Capelin seines. Launce seines. Seal nets Brush fisheries.	30 4,365 5 1,086 296 95 285	Yards. 82,600 5,105 4,775 155,160 630 40,722 15,610 5,868 23,262	32,725 5,948 4,096 59,545 650 13,305 13,229 5,769 14,712 351
Total	•••••••••••••••••••••••••••••••••••••••		150,330
Vessels Boats and flats Nets, seines, &c.		\$357,950 179,854 150,330	

Total Catch and Value of the South Shore Fisheries (Cape Chatte to Restigouche) for 1880.

Description.	Quantities.	Price.	Value.
Salmon, salted do fresh Cod, Summer do Fall Haddock Ling Halibut Herring, salted do smoked Mackerel Trout Sardines Eels Cod Tongues and Sounds Seal Skins Porpoise Skins Seal Oil Whale Gil Porpoise Oil Cod Oil Fish used as bait and manure Lobsters Fish used for local consumption	158,185 lbs	\$ cts 12 00 0 07 4 00 4 00 4 00 6 00 5 00 0 25 8 00 8 00 2 60 7 00 9 00 1 00 4 00 0 50 0 40 0 50 0 40 1 00 0 15 4 00	\$ cts. 504 00 11,072 95 287,960 00 108,188 00 64 09 144 00 53,715 00 138 00 14,720 00 67 60 168 00 261 00 1 00 320 00 4 50 3,240 00 105 00 18,837 29 41,560 00 74,789 85 41,028 00

Total	catch do							
		De	creas	se in 18	880	••••••	\$109,175	45

SOUTH SHORE.

Cod Fishery.

This fishery began late and was comparatively a failure, the decrease this season being 33,842 cwt. when compared with the catch of 1879. It was even less than in 1878, which was considered a very poor year.

	1878.	1879.	1880.	Decreaes in 1880.
Summer, cwt	77,147 29,647	101,776 31,1 0 3	71,990 27,047	29,786 4,056
Total	106,794	132,879	99,037	33,842

This great decrease in the South Shore cod fishery has had a disheartening effect on the fishermen of Gaspé and Bonaventure, many of whom have moved west this Fall—some to settle permanently there as farmers or laborers, others to spend the winter in the lumbering camps of Michigan, U.S., and the Upper Ottawa, and to return again to the fishing in the spring. The re-opening of the lumber camps at Pabos, by the Messrs. King Bros., has given employment to most of the men in that immediate neighborhood. The camps at Magdalen River, opened by Messrs. Ross & Ritchie, will also give employment to many men on the river coasts.

The price given on the coast for cod was low, but the merchants were not warranted in giving more, in view of the low price of dry cod in all the foreign markets. There is a tendency among the larger firms to restrict the advance and curtail the expenditure at all the large fishing stations.

Lobsters.

There has been an increase in the quantity of lobsters canned in the County of Bonaventure, and a falling off in Gaspé, though on the whole the increase is considerable. The slight extension of the open season for lobsters was not very generally taken advantage of.

The following table will show the relative catches of this season and that of 1879: --

	1378.	1879.	1880.	1880.
Bonaventure County, lbs Gaspé County, lbs	$149{,}112 \\ 240{,}960$	83,464 315,184	$210{,}553$ $288{,}046$	127,089 increase. 27,138 decrease.
Total	390,072	393,648	498,539	99,951 increase.

The lobster canning establishment of the Canada Packing Company was removed from Seal Cove, in Gaspé Bay, to Cape Despair. All the lobsters canned were taken between Percé and Port Daniel, the lobster fishery being entirely abandoned in the upper part of the Bay Chaleur.

Salmon.

This fishery has proved a most disastrous failure on the South Shore, as well as on the North Shore and Anticosti. I do not think that we should attribute this sudden falling off to over-fishing during the last twenty-five years. I am told by old fishermen that the salmon have missed in this same way more than once. I think it was due to the ice which remained across the entrance to the gulf till the end of May. As I wrote fully to your Department on this subject in August last, I shall not repeat here what I said then. The failure has been the cause of some distress among the salmon fishermen, many of whom had foolishly taken advances on account of their salmon fishery; the fishery failing, they were left without the means of meeting the advance. I hope this may be a warning to those fishermen in future, to be more careful how they accept advances which, in some cases, are forced upon them by traders who are too eager to secure their fish. This system of advance may have worked well in the palmy days of the cod-fishery; but all our large firms are now seeking to abolish or restrain it, and it is a pity that it should be introduced into the trade in fresh fish. I think all those most interested in the gulf fisheries are now agreed, that the sooner the system of advance is abolished, and the business arrangements between fishermen and merchants managed on a purely cash basis, the better it will be for all parties.

Owing to the smallness of the catch, and the fact that the price offered for fresh salmon in the United States was considered good, no salmon was sent to England this year. The following table will show the decrease for this season.

Salmon.	1879.	18÷0.	1880—Decrease.
Barrels, salted	$72\frac{1}{2}$ 374,767 17,605	42 158,185 None.	30½ brls. 216,582 lbs. 17,605 "

As might be expected from the smallness of net catch, the fly fishing in the rivers was also very poor. The following table will show the number of fish taken by the Marquis of Lorne and party on the Grand Cascapedia

RETURN showing the Catch of Salmon with Fly in the Grand Cascapedia River during the Season of 1880.

Name of Angler.	Address.	Commenced Fishing.	Finished Fishing.	Number of Salmon taken.	Weight.	Average Weight.	Number over 30 lbs.	Weight of largest Fish.
His Excellency	do do do do do do do	July 2 do 1 June 21 July 1 do 5 June 29 July 1 June 28 do 30 July 6 June 29 July 6 June 29	do 8 do 1 Aug. 16 July 9 do 5 do 14 do 9 do 9 do 9 do 12	2 22 3 5 9 9 13 2 6 4 5	Lbs. 69½ 48 45 513½ 76 106½ 205½ 193 287½ 55 125½ 107 119	24 22 23 25 21 22 21 22 27	Lbs. 1 4 1 1 1 1 10	Lbs. 35 26 34 39 26 30 27 28 27 30 28 30 32

I notice that a statement has been made in Forest and Stream that the Hon. Mr. Ellice and party, who fished the Grand Cascapedia in 1879, allowed a large part of the salmon they caught to rot on the banks. The whole statement, as it appears in this Paper, is false; and I think Mr. Dawson, the author of the letter, should let us know at least how he became possessed of the information; he surely would not make such an assertion on mere hearsay, and without being able to produce some proof of its truth. We have here, in Gaspé, four men who were with Mr. Ellice and party all the time they were on the Cascapedia, and these men, in whom I have every confidence, deny completely the statement made by Mr. Dawson. I am myself aware that Mr. Ellice was at particular pains to save his salmon; a large quantity of salt was taken up by canoes with which to save the fish, and the portage canoes always brought

down as much fresh fish as could be saved and distributed among the inhabitants. Some of the people told me that the only fresh salmon they had tasted for years was what was given them by Mr. Ellice. The secret of Mr. Dawson's wrath, and that which has led him to write what is unfair and untrue seems to be the fact that Mr. Ellice is an Englishman—"A titled English flunky," as he says. I can, however, positively deny the statement made by Mr. Dawson that salmon were taken in 1879 in the Grand Cascapedia River and allowed to rot and go to waste.

Herring.

There has been a slight increase in the number of barrels of herring, but it is noticeable that the herring are getting scarce in the upper parts of the Bay Chaleur. At one time quite a large herring fishery was carried on in Carleton Bay, and even further up, but now few herrings are taken above Bonaventure.

	1879.	1880.	Increase, 1880.
Herring, salt, barrels	8,167	10,743	2,576

552 boxes of smoked herring were prepared this season.

Mackerel.

Mackerel was more abundant and of better quality; but this fishing is not prosecuted to any great extent. A few people about Gaspe Bay and Port Daniel fish for mackerel from boats and flats with jiggers, but too much attention is devoted to the cod fishery, to the utter neglect of the mackerel. There is no doubt that some few years ago the mackerel was so much disturbed by the host of American mackerel schooners, with their destructive purse seines, that this fish was driven off the coast. During the last three years we have seen fewer American vessels, and now the mackerel are frequenting their old haunts in greater numbers. This season they were seen schooling in great quantities all the way from Cape Chatte to Maguasha Head.

	1879.	1880.	Increase, 1880.
Mackerel, barrels	798	1,840	1,042

Bait.

Bait was sufficiently plentiful during the season, though there were times when all kinds of bait was scarce. The following table will show the principal baits used, though the quantities are only approximate, as little or no record is kept of the quantities taken.

BAIT in 1880—South Shore.

Description.	Quantity in Barrels.
Herring Capelin Smelt Cod-roes Squid Launce Clams	73 8
Total quantity	41,560

I herewith append lists of the clearances out wards with fish from the Ports o New Carlisle, Percé and Gaspé, which have been furnished by the Collectors of these Ports, showing the exports to have been

New Carlisle	do		29,485
Total		- 	\$74 0,529

Memorandum of Fish and Oil Exported during the Season of 1880 at the Port of New Carlisle.

Name of Vessel.	Tonnage.	Destination.	Quantity.	Value.
Marie Henriette Baccalen Union Robin Dit-On Mary Martha Annie Julyane Hematope "85" "C. R. C." Patrus Reaper Homely Industry Century O. Blanchard Sea Flower do North American Itickler "G. D. T." Dit-On Century Hematope Union Julia Grace Robin Zulu Reaper		Barbadoes	Cod, 1,300 cwts. Herring, 57 brls. Cod, 3,182 cwts. " 2,320 " " 1,122 " " 514 " " 1,504 " " 1,504 " " 3,994 " " 2,906 " " 2,906 " " 2,505 " " 2,746 " " 4,179 " " oil, 8,411 galls. " roes, 187 brls. Herring, 2,226 " " (666 " Cod, 1,023 cwts. " 1,789 " " 1,675 " " 1,675 " " 2,782 " " 1,996 " " 3,111 " " 78 " " 2,295 "	Value. \$ cts. 5,200 00 100 00 15,910 00 11,600 00 4,488 00 2,720 00 6,016 00 8,308 00 14,033 00 19,921 00 12,539 00 17,117 00 17,300 00 17,525 00 10,958 00 20,437 00 5,000 00 712 00 6,678 09 1,998 00 4,336 00 6,695 00 13,567 00 7,966 00 15,139 00 12,085 00 11,600 00 12,085 00 11,756 00
O. Blanchard	260 139 248 352 352 320 320 320 320 320	Rio de Janeiro	" 4,146 " " 3,320 " " 3,978 " " 6,326 " " oil, 417 galls. " oil, 2,320 galls. Seal " 656 " Herring oil, 37 " Pickled fish 1,830 cwts. Cod roes, 12 brls. Herring, 26 "	11,736 00 20,736 00 13,280 00 19,890 00 18,978 00 180 00 1,142 00 325 00 19 00 19 00 104 00 17,781 00
Homely	236	do	3,657	18,285 00 \$420,905 00

FISH Cargoes Outwards from the Port of Percé, 1880.

Name of Vessel.	Tonnage.	Destination.	Quantity.	Value.
Heroine Castelia Heroine Mayfield	97 69 97 186	Barbadoes Civita Vecchia Viorma Bahia	1,243 cwts. 1,880 '' 1,370 '' 2,4(0) ''	\$ cts. 5,425 00 6,580: 5,480: 12,000 00 \$29,485 00

VESSELS (Outward) with Fish Cargoes, 1880.

PORT OF GASPÉ.

Name of Vessel,	Tons.	Destination.	Quantity of Fish.	Value.
J. L. B Standard Cornucopia Dewdrop Alliance Exact Brothers Dawn Zingara Brittany Dewdrop Zouave Alliance Gleaner Albatross Flying Foam J. L. B Cornucopia Weasel Bolina Village Belle Beatrice Warrior Brothers Dawn Standard Pride of the Channel Snowdrop Rearless Redurop	116 186 173 154 174 84 101 126 115 93 79 148 155 76 82 136 93 173 154 93 175 149	Bahia Jersey Bahia Barbadoes do Bahia do Pernambuco do Civita Vecchia Rio Lisbon Naples do Ancona Naples Pernambuco do Naples Civita Vecchia Bahia Rio Naples Civita Vecchia Bahia Rio Naples Civita Vecchia Bahia Rio Naples Rio Jersey do Lisbon Naples Rio Naples Rio Naples Rio Jersey Ancona	2,236 do 2,290 do 2,784 do 2,468 do 1,871 do 2,100 do 1,950 tubs 1.631 do 2,214 quintals 2,257 tubs	\$ ets, 9,898 60 3,638 60 12,589 60 5,504 00 5,381 06 9,220 00 11,960 00 11,541 00 11,541 00 11,144 00 10,960 06 8,944 00 9,744 00 9,744 00 9,744 00 9,744 00 10,206 00 6,589 00 7,749 00 12,785 00 12,785 00 12,785 00 12,785 00 12,785 00 17,888 00 17,888 00 17,888 00

RETURN showing the Kinds and Quantities of Fish in the Division extending

CAPE CHATTE

Cape Chatte	NAME OF STATION.	Name of Owner.	Salmon, barrels, cured.	Salmon, fresh, in ice, lbs.	Salmon, in lb. cans.	Salmon, smoked, boxes	Summer Fishing.	Cod, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked, boxes.
	do do do do Ste. Anne des Monts	Magloire Côté Joseph St. Pierre Henry Gagnon Henry Gagno Henry Hogan Isidore Pelletier H. LeBoutillier I. J. Lamontagne Charles Goudreau. I. Levesque Henry Dumont. Olivier Pelletier Honore Morin	1 5	1017	F1	y-fi	200 100 	15 100 360 62			10 4 25 16 5 11 20 50 90 4 5	

MAGDALEN

			1	1		1 1	1		1		ł	1	
Rivière Claude	16	Proprietors					350	200				9	
Rivière à Pierre	11											8	
Mont Louis	45						1000	350			4	150	
Ruisseau des Olives	10						160					20	
Anse Pleureuse	6						115		 .			49	
Gros Mâle	12						400						
Manche D'Epée	16	,	i		•	ì	300						
Petite Madeleine	11						75						
Rivière Madeleine	18	do	41			l	1000						
Grande Anse		,			ı	1							
Grande Vallée	17	do			١	l	1000					75	
Anse à Collin	4	do	١		 	l	180		 .				
Petite Vallée	10	do	 		١	 	325						
Pointe à la Frégate	12	do	·		١	l	450		 .				
Petite Anse	7	do	١		١	1	400	200	ĺ	1	1		
Grand Chloridorme		do		1		l	425	250		1	l		
Petit Chloridorme		do	1 3		ļ		500	200	l	1		20	
Pointe Seche	11	do	ļ			 	700	300	l	1	ļ		
Grand Etang	1	do	١		1	J	1000	300	١	1	3	40	
Anse à Valeau		do	ł				350	150	l		1		
Pointe Jaune		do	·	1			350	200	J			60	
Echourie	7	do		1		.	300	200	١	 		13	
Grande Anse		do	١			٠	. 200	75	·	1		12	
Petit Cap	22		٠		1	٠	325	200	١		1	1 100	
Petite Rivière au Renard	14		.		 	٠١	500	100	·		ļ	75	
Fox River	100	do	.	.		٠١	3500) <u>.</u>	١	. 5	1 300	
Anse à Fougère	3	do	.		1	٠١	. 50		íl			1 5	il '
			6	9									

from Cape Chatte to Restigouche, in the Province of Quebec, for the Year 1880.

DIVISION.

	-																						
					Sounds,	Sea and	ls, W Porp	ha	les es			Oils		Fish	and C	ıd		Con-					
/ Mackerel, barrels.	Trout, barrels.	/ sardines, barrels	Fels, barrels.	Tunny, barrels	Cod Tongues and	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.	Squid, barrels	Trout, barrels.	Launce, barrels.	Clams, barrels.	Lobsters, in 1b. cans.	Fish used for Local sumption, barrels.
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RETURN showing Kinds and Quantities of Fish in the Division.

MAGDALEN

NAME OF STATION.	Nam	IE OF OWA	ver.	Salmon, barrels, cured.	Salmon, fresh, in ice, lbs.	Salmon, in 1b. cans	Salmon, smoked, boxes.	Summer Fishing.	Cod, quintals.	g, du	Halibut, barrels.	Herring, harrels.	Herring, Smoked hoxes.
Anse au Griffon. Trois Ruisseaux. Jersey Cove	8 13 28	Proprietors do do do do						2500 150 100 1700 2000	75 50 500	 		16 10 150	
Total	581 P	roprietors	3,	30				20610	7375	 	24	1824	

GASPÉ DIVISION-(Cape

	:					1		1 1 1	
Ship Head						306	147		27
Indian Cove	i					572			74
St. George's Cove	!!					224	142		18
Little Gaspé & Grande Grève			1681			1917	848	12 2	122
Cap aux Os and Seal Rock						344			34
Peninsula						44		l	
North-West Bay			65 30			35	10		
Gaspé and South-West Bay			7795		l	20			
Sandy Beach			3135	١	1	25 2	59		3
Douglastown					ĺ				10
Seal Cove		l	556	i	١	. 120	90		10
Bois Brulé									
Chien Blanc and Red Head						1600	800		75
Point St. Peter					ļ				1 22
Malbaie						2325			78
Belle Anse									10
Barachois						750	1150		
Corner of the Beach						610			
Cannes de Roches	1	1	1100			130			5
Perce						6981			81
Bonaventure Island									
Anse à Beaufils									1 87
Cape Cove									53
Cape Despair						415			52
Little River						2135			41
Grand River								23	273
Little Pabos									
Grand Pabos						1540		33 0	' o'
Newport and Anse au Canare	1		800					9	1 .07
respondent Ause au Canan	1		1 000	' ; · · ·	• • • •	4955			`
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extending from Cape Chatte to Restigouche, &c .-- Continued.

DIVISION-Continued.

Sounds,	Seals, Whales	Oils.	Fish and Clams used as Bait and Manurc.	Con•
Mackerel, barrels. 1 Trout, barrels. 1 Sardines, barrels. 1 Eels, barrels. 1 Tunny, barrels. 1 Con, Tongues and	No of Scal-skins. No of Whales. No of Porpoises.	Whate Oil, galls. Porpoise Oil, galls. Cod Oil, galls.	Herring, barrels. Capelin, barrels. Smelt, barrels. Cod Roes, barrels. rquid, barrels. Trout, barrels. Launce, barrels.	Lobsters, in 1b. cans.
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Gaspé to Point Maquereau.)

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RETURN showing the Kinds and Quantities of Fish in the Division

PORT DANIEL DIVISION-(POINT

Name of Station.	NAME OF OWNER.	Salmon, barrels. cured.	Salmon, fresh, in ice, lbs.	Salmon, in lb cans	Salmon, smoked, boxes	Cod, quintals.		Haddock, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked, boxes.
Anse aux Gascon		1	432			650					60	10
Anse à la Barbe			1421							1 1	5 0	5.
Cap Bourdaloue			482									
Pointe à la Croix												•••••
Port Daniel Bay			2434		•••				•••		•••••	•••••
Grande Batture			1497		•••							::
Bottom of the Bay			926			800		ļ	ı		120	15
]	600					1	ļ			
Costello's Brook			2803		1		········					
West side of Port D. Bay			2663			ļ						
		1	5394		···			•••		1		· · · · · ·
			1877	ļ	ļ							
Inside S.W. Point of Port				ļ		!		1				1
Daniel Bay		1	639	1	•••						40	
				ļ		640						
Paspebiac Portage		3				003	680				140	
Total		6	22906			2 820	2,150				600	30

NEW RICHMOND DIVISION

		1		ł							
Paspebiac W. Point New Carlisle	 									600	
New Carlisle	 				81	120	16			100	
Little and Grand Bonaventure	 				1015	1160	230			4200	
Capelin	 •••	1442		ļ	180	225				700	
New Richmond & Black Cape	 • • • •	14633		١	24	3 :					500
Maria	 										
Carleton									 		
Nouvelle	 						3	١	١	20	
Maguasha	 	5300			260	940	88]	ļ	7	
J .	_		 - -						-		
Total	 ļ	61702			1678	2634	353	4	·	6077	500
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RISTIGOUCHE DIVISION, From

From Maguasha to Tide Head.	 	21974	 	 	 	 	ļ

extending from Cape Chatte to Restigouche, &c .- Continued.

Maquereau	to	Paspebiac	Point.
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						Seals and I					(Dils.		Fish	and Cl	ams Man		las	Bai	t an	ત	٠	Con-
/ Mackerel, barrels.	Trout, barrels.	Sardines, barrels.	Eels, barrels.	Tunny, barrels.	Cod Tongues and Sc barrels.	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, barrels.	Capelin, barrels.	Smelt, barrels.	Cod Roes, barrels.	Squid, barrels.	Trout, barrels.	Launce, harrels.	Clams, barrels.	Lobsters, in lb. cans.	Fish used for Local sumption, barrels.
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(Paspebiac to Maguasha Point.)

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Maguasha to Head of Tide.)

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RETURN showing the Kinds and Quantities of Fish in the Division

GRAND TOTAL OF SOUTH

NAME OF STATION.	NAME OF OWNER.	Salmon, barrels, cured.	Salmon, fresh, in ice, 1bs.	Salmon, in 1b. cans	smoked, boxes.	Cod, quintals.	Fall g. Fishing.	Haddock, quintals.	. = 1	Halibut, barrels.	Herring, barrels.	Herrings, smoked, boxes.
Cape Chatte Division		 	-67702			1678	7515 13724 2150 2634	94 353 	12		1978 600 6077	:

extending from Cape Chatte to Restigouche, &c .- Continued.

SHORE FISHERIES.

						Seals and I)ils.		Fish	and Cl	ams i Man			Bai	t an	d		Con-
/ Mackerel, barrels.	Trout, barrels.	Sardines, barrels.	Eels, barrels.	Tunny, barrels.	Cod Tongues and Sc barrels	No. of Seals.	No, of Seal Skins		F Pc	Seal Oil, galls.	Whale Oil, galls.	Porpoise Oil, galls.	Cod Oil, galls.	Herring, barrels.	Capelin, barrels	Smelt, barrels.	Cod Roes, barrels.	Squid, barrels.	Trout, barrels	Launce, barrels.	Clams, barrels.	Lobsters in lb. cans.	Fish used for Local sumption, barrels.
600 664 864 100 242 	1 56	·	2 2 2 2		29		1	10	80 80		8100		1730 14095 24148 3840 3405 47218	34 2960 10681 850 3012 	5500 50 5140 2600 8815 	184	485	114 5 119		245 245 245	15 318 	288046 210553	2575

ALL SHOWING LAMINOUS MILES	CAPE CHA	nce of	Province of Quebec, for the Year, 1880 ITE DIVISION (From Cape Chatte to Ste Ann	bec, 1	for the	he Ye	external sar, 1	Anne	des N	l Ca fonts	e our	വ ബ	Des	ngor	lene	, m	the
			,		<u>, e</u>	hing	Æ	÷		1		Ners	AND	NETS AND SEINES	183		
NAME OF PLACE.	NAME OF FITTER OUT.		V essels.		. B	Boats.	Boats		shermen.	.nemen.	Salmon Nets.	Nets.	Cod	Cod Semes	sət	Her Sei	Herring Seines.
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			€÷			க	<u> </u>	€÷	<u>'</u> 	! 	<u> </u>	69		<u> </u>	69	<u> </u>	69
Cape Chatte.	T. J. Lamontagne		-							- : : : : :							
ne de	Silvain Lepage François Roy Charles Goudreau				75	3750			140	20							
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do do do River à Marthe	W. Levesque Pepin Pelletier Piere Lefrançois L. N. Sasseville Jean Gauthier				120	6080	0	100		9							
Total, Cape Chatte Division			5400	1=	1 04	-	205	2424									
	MAGDALEN DIVISION		(From Olaude River to Cape des Rosiers, inclusive)	laude	River	to Ca	pe de	s Rosie	ers, ir	clusi	(e)						
River Claude Raviere à Pierre Mont Louis	16 proprietors				20 111 40	1000 500 2550	20 11 40	180 100 400	32 80 80	1.5 8 4.0		120 55 100 45	-	125	150		

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Ruisseau des Olives. Anse Pleureuse. Gros Male Manche D'Epée Petite Madeleine. Magdalen River. Grande Anse. Grande Valée Frégate Point Petite Anse Grand Chloridorme. Frégate Point Petite Anse Grand Chloridorme Petit Chloridorme Pointe Séche Petit Chloridorne Frégate Anse. Grande Anse. Echourie Echourie Echourie Echourie Echourie Echourie Echourie Echourie Echourie From River. Font Uap Little Fox River. Fox River Fox River Anse à Griffond Trois Ruisseaux. Jersey Gove. Anse à Griffond Trois Ruisseaux. Anse à Griffond Trois Ruisseaux. Anse à Griffond Trois Ruisseaux. Anse à Griffond Trois Ruisseaux. Anse à Griffond Trois Ruisseaux. Anse à Griffond Trois Ruisseaux. Anse à Griffond	Ship Head Indian Cove. St. George's Cove. Seal Rock and Cap aux Os. Peninsu a. North West Bay. Sandy Beach. Douglastown. Bandy Beach. Bosh Cove.
J. O.	ttle (transported in We
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Ruisseau des Olives. Anse Pleureuse. Gras Mile. Manche D'Epée Petite Madeleine. Magdalon River. Grande Anse. Grande Valée. Priegate Point Prefate Vallée. Prefate Anse. Grand Chloridorme. Pretit Chloridorme. Petit Chloridorme. Petit Chloridorme. Petit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Petit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Fretit Chloridorme. Echourie Fretit Chloridorme. Fretit Chloridorm	p He Georgian (Georgian Control of Special Control of C
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RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Cape Chatte to Restigouche, &c.—Con.

								z	Nets and Seines.	sī Ē	HNES.							
NAME OF PLACE	NAME OF FITTER OUT.	He	Herring Nets	ets.	Mac Sei	Mackerel Seines.	M.	Mackerel Nets.	Nets.	Ca	Capelin Seines.	les.	Launce Seines	nce ies	Sea	Seal Nets.		Brush Fish- eries.
		.oV	Yards.	Value.	No.	Value.	.oV	Yards.	Value.	oN	Yards.	.enlaV	Vards.	Value	oN	Yards	Value No	yalne.
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Cape Chatte	T. J. Lamontagne Henry Gagnon Henry Gagné Francois Lemieux																:	1 25
do do	Silvain Lepage François Roy.	. 65 	3.80	1640							09	75		: :				
St. Anne des Montsdo	Charles Goudreau. H. LeBoutillier. T. J. Lamontagne J. Pelletier.	12.	30:10	3000			P4 : : : :	8 : :	8	2	75 150	60	- 1 - 30 - 40	25			<u> </u>	- - -
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Total, Cape Chatte Division	MAGDALEN DIVISION (From Claude River to Cape des Rosiers, inclusive)—Continues.	244 N (F	6520 com Ch	4880	Si ver	to Cg	2 npe de	30 30 se Rosie	20 ers, incl	lusive	285 295 2)—Contis		2 70	4		\dashv	-	9 157
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RETURN Showing Number and Value of Vossels, Boats, Nets, &c., in Division extending from Cape Chatte to Restigouche, &c. - Con. GA-PÉ DIVISION-Continued.

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Brush Fish-eries. RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Cape Chatte to Restigouche, &c. - Con. Value. ON Value Seal Nets. Yards. No. Value. Launce Seines 100 158 02 Yards. ON 204 001 Capelin Seines. Value. 800 270 90 90 588 60 833 8140 1140 810 80 80 80 80 4302 NETS AND SEINES. PORT DANIEL DIVISION-(Point Maquereau to Paspebiac Point.) .o N 20 Mackerel Nets. Value. Yards. GASPÉ DIVISION-Continued. oN. Mackerel Seines. Value. Yards. ON 202 Value. Herring Nets. 3100 S . Yards. S 0 0 226 101 54 176 o N L'Anse à la Barbe NAME OF FITTER OUT. Corner of the Beach..... Bonaventure Island..... Frand River..... Anse au Beaufils..... Jannes de Roches..... Jape Cove NAME OF PLACE.

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SECOND DIVISION.

THE NORTH SHORE FISHERIES.

FROM MANICOUAGAN TO BLANCS SABLONS.

Total Catch and Value of the North Shore Fisheries, from Manicouagan to Blanc Sablons, for the Year 1880.

Description.	Quant	ities.	Prices.	Values	•
Salmon, salted	148,155 264,917 12,330 47 4,021 546 47 10 4½ 25,566 70 109,936 5,400 166 230,754 51,394 11,000 4,081	barrels lbs cwt cwt barrels do do do do do do do barrels lbs barrels barrels barrels	\$ cts. 12 00 0 07 4 00 6 00 5 00 8 00 2 60 9 00 1 00 4 00 0 50 0 40 1 00 0 50 0 40 1 00 0 15 4 60	40 25,566 280 54,968 2,160	8: 00 00 00 00 00 00 00 00 00 00 00 00 00

COD.

This fishery has been one of unusual abundance. The season was far advanced before the fishing began, but there seemed to be no limit to the quantity of fish. The various fishing establishments were taxed to the utmost to handle the fish, and in some cases there was a scarcity of salt for curing purposes. Had we had telegraphic communication with the North Shore, as I trust we will have before very long, many of our South Shore fishermen would have abandoned the fishing on the South Shore, and taken themselves and appliances across to the North Shore where the fishing was so good. The North Shore cod fishery has been improving for several seasons, and all the firms are strengthening their establishments on that coast,—it is to be hoped that the cod will continue to strike along the north coast, as a large number of men and boats will be engaged for this fishery during the winter. The number of outside vessels, mostly seiners from Newfoundland, the Maritime Provinces and the United States, has considerably increased this season. There must have been at least 500 schooners codfishing off St. Augustine and Bonne Esperance Divisions. They fish,

almost all of them, within the inshore limits, and it is becoming very difficult for the shore tishermen, who fish with the hand and line, to get along at all. There are constant complaints that the seines are swept right around, the shore boats driving them off the fishing ground. Some of these schooners come fitted out with salmon nets, which they stretch off the points and among the islands, and it is quite impossible for the local officers to prevent this. The following table will show the quantity of cod taken by the shore boats and the schooners. Deducting the 175,000 cwts. taken by the 500 schooners, we have 102,247 cwts., as the amount taken by the boats from shore; this is an increase over last year of 24,117 cwts.

Comparative Statement of Catch of Cod by Shore Boats and Vessels for 1879 and 1880.

	1879.	18 80.	Increase, 1880.
Summer Cwts.	73,479	89,917	16,438
Fall do 500 Schooners do	4,651 148,729	12,330 175,000	16,438 7,679 26,271
Total	226,859	277,247	50,388

HERRING.

For several years past there has been an annual decrease in the herring fishery—at one time a number of vessels used to engage in the fall herring fishery. At present it is only carried on by a few schooners from Esquimaux Point, and even these do not meet with much success, the herring seem to keep more on the Newfoundland shores; but here our vessels, strange as it may seem, are not allowed to fish, owing to the monopoly accorded to the French fishermen. Several of our vessels have been ordered off the fishing grounds on the North and West coasts of Newfoundland by the French cruisers. The Esquimaux Point people complain a good deal about this, but as the treaty stands I do not see that it can be helped. The following table will show that only a small quantity of herring was taken:

			
	1879.	1880.	Decrease in 1880.
Herring, salted	11,570	4,021	7,249

MACKEREL.

Here again we have a falling off; the mackerel were abundant and of a better quality than those taken the preceding year, but the whole attention of the fishermen being directed to the cod, this fishery was neglected.

	1879.	1880.	Decrease in 1880.
Mackerel Brls	965}	546	419 1

SALMON

Here, as on the South Shore, the salmon fishery was a failure, in fact but few fishermen have been able to cover the expenses incurred in fitting up their stands. The rise in price of salt salmon has somewhat helped to compensate for the smallness of the catch. I attribute the failure on the North Shore to the same cause as on the South Shore.

	1879.	1880.	Decrease in 1880.
Salmon, salted Brls. do fresh Lbs	88 8 309,884	$ \begin{array}{r} 750\frac{1}{2} \\ 148,155 \end{array} $	$138 \\ 167,729 \\ 1,200$
do smoked do Totals	320,084	148,155	162,929

SEALS.

This fishery shows a considerable gain; the seals came in late, and the seal bearing ice passed rapidly through the Straits before the easterly winds. In the lower divisions of the Labrador only a few seals were taken, but the Esquimaux Point fishermen were more fortunate, and made a very good catch.

	1879.	1880.	Increase in 1880.
Seal Skins. Seal Oii	3,158	22.5 6 6	22,408
	18,228	109 , 936	91,708

LOBSTERS.

A lobster packing establishment was opened on the North Shore by the firm at Port Daniel; it was only an experiment; 11,000 lb. tins were put up.

BAIT.

Bait was plentiful all along the North Shore; it consists mainly of herring, capelin and launce. The following list will show the quantities of each:

Baits.	Quantities in Barrels.
Herring Capelin Launce Smelt	39,203 11,417 3,613 36
Clams	125 54,394

The following list contains the names of some of the vessels that called at Bonne Esperance during the season, and the various ports from which they hailed. Most of those from Quebec and Halifax were on trading voyages.

LIST of Vessels calling at Bonne Esperance, 1880.

Name.	From.	Name.	From.
Stadacona Spring Bird Cordella Vogler Annie Ateel Rose May Dolphin Mary E Gray Hound Venus. Elizabeth Jabey Mariner S. S. Hercules Hope Georgianna S. S. Plover J. W. Boak Violet Batter	do Lahave	Star of Sea Speed. Abatross Churchill Eliza Smith Eclipse. Rival Atlas. Escort Vantage S. S. Tiger Cant Helpit Golden West Alabama Annie. Rose Dale. Ellen May A. W. Lily	St Johns, Nfld. Halifax. St Johns, Nfld. do Lunenburg. Halifax. do Lunenburg. Lahave. do St. Johns. Halifax. Lahave. Quebec Lunenburg. Lahave. Mahone Bay. Lunenburg. Lahave. do Lunenburg. Lahave. do Lunenburg. Lahave. Greenspond, Nfld.

RETURN showing the Kinds and Quantities of Fish in the North Shore Division, ex

GODBOUT	DIVISION-(Manicouagan

NAME OF STATION.	Salmon, barrels, cured.	fresh, in	Salmon, in cans lbs.	Salmon, smoked, boxes.	Summer Fishing.	Fall Fishing.	Haddock, quintals	Ling, quintals	Halibut, barrels	Herring, barrels.	Herring, smoked, boxes.	Mackerel, barrels.
Manicouagan St Pancrace River Mistassini River Beescie	21/2		 							 		
River Becscie, East	$\begin{bmatrix} 2\frac{1}{2} \\ 14 \\ 10 \end{bmatrix}$											
Godbout River Godbout Bay La Table Pointe des Monts	17				24					4		160
Total	591		-		24	50	-	-	-	8		160

TRINITY DIVISION-(Pointe des

		 ,							
Pointe des Monts	36	 	 	10				2	 9
Caribou Islands	25	 ļ	 	794			2	6	
Egg Island		 	 49	51				2	 5
Pentecost River		 	 87	418				16	 18
Cailles Rouges		 	 60	155	-	-			
Total	00	 	 297	1744			2	54	 20

MOISIE DIVISION-

Jambon	.				133	1045	١	i	71	266		6
Rivière Ste Marguerite	. 5				48	180		1	11			
Seven Islands	. 6	5583			505	920			5	143		314
Moisie	. 13	93498			1315	2401			3			
Pigou												
Rivière aux Bouleaux		1			255	100		1	2	61		
By the fly in Moisie River		2707										
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Total	. 24	101788			3181	4938	١	1	31	470	· '	320
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tending from Manicouagan to Blancs Sablons, Province of Quebec, for the Year 1880.

to Pointe des Monts).

			The same of the sa	Sounds,		s, Wh and orpoise		6	,	()ils.	. 1	Fisl	h and (use nur		as Ba	it	ė	Con-
/ Trout, barrels.	/ Sardines, barrels.	Eels, barrels.		Cod Tongues and barrels	No of Seals.	No. of Seal-skins	No of Whales	No. of Porpoises.	Seal Oil, gallons.	Whale Oil, galls.	Porpoise Uil, galls.	Cod Oil, galls.	Herring, barrels.	Capelin, barrels.	Smelt, barrels	Cod Roes barrels	Squid, barrels	Trout, barrels	Launce, barrels.	Clams, barrels.	Lobsters, in 1b. cans.	Fish used for Local sumption, barrels.
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Monts to Baie des Rochers).

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RETURN showing the Kinds and Quantities of Fish in the Division

ST. JOHN'S DIVISION

NAME OF STATION.	Salmon, barrels, cured.	Salmon, fresh, in ice, lbs	salmon, in cans, lbs.	Salmon, smoked boxes.	Summer Fishing.	Fall Fishing.	Haddock, quintals	Ling, quintals	Halibut, barrels	Herring, barrels.	Berring, smoked, boxes.	Mackerel, barrels.
Sheldrake			 		9350						ļ	
Primrose Cove					200 1650		1		• • • •			
Indian Harbour				•••••	3025							
Point Rich					2060							
Jupitagan River						50		i		20		,
Magpie			ļ		14850	920				2		
Magpie River.	19		ļ			40		· · · ·				
St. John's River.		22834			11750					6		
Long Point		100			2100	600				10		
Esquimaux Point	24	108			8050		ļ					
Romaine River.		550			0000		1					
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Total	45	23492	f		53035	4460	i	f	1	232	l	1

NATASHQUAN DIVISION

Nabissippi River. Agwanus River.	31			 225	110	 	 10	
Washtahwoota Natashquan Harbour							100 2500	
Natashquan River	66	22000		 125	50	 ١	 50	
Killed by Indians with guns		<u> </u>		 		 1	 2660	
Total	1003	22000	••••	 8300	780	 	 2660	

WASHECOOTAL DIVISION

Kamahka Diran	90										
Kegashka River	20			•••••	700	150	•••		•••	150	
Mistassini Point			•			100				100	
Little Musquaro	3	1						١	l		
Cloudberry Point	4	ļ			50						
Washeecootai River	1 20										
Washeecootai Harbour	4		•••		350						
Washeecootai Bay Romaine River	11		•••		150	30			1 3		
Romaine Harbour											
Two vessels from Esquimaux Point	ļ		ļ		100					100	
One do Halifax	ļ				400						
Four do Canso					800				•••		
One do Gaspé											
Total	62					200					
	<u>i</u>			1	·		:		<u>, </u>	<u>'</u>	

extending from Manicouagan to Blancs Sablons, &c .- Continued.

(Sheldrake to Esquimaux Point)

				Sounds,	Seals and	s, Wh Porpo	ale ise	8		0	ils.		Fisl	and C					s Bai	it		Cen-
Trout, barrels.	Sardines, barrels.	Eels, barrels.	ırrels.	Cod, Tongues and S	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.	Merring, barrels.		t, bar		Squid, barrels	Trout, barrels.	Launce, barrels.	Clams, barrels.	Lobsters, in fb cans.	Fish used for Local sumption, barrels.
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(Natashquan River to Nabissippi River).

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(Kegashka River to Romaine River, East).

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RETURN showing the Kinds and Quantities of Fish in the Division

Return showing	ng tl	be Kir	nds	and	l Quant	ities of	F	ish	ir	the J	Divi	sion
Notice and the second s						WAT	SE	EI	ESI	100 D	IVIS	SION
		ce, 1bs.	ps	oxes.	Summer Fishing.	Fall Fishing.					ooxes.	
NAME OF STATION.	Salmon, barrels.	Salmon, fresh, in ice, lbs.	Salmon, in cans, 1bs	Salmon, smoked, boxes.	Cod, quintals.	Cod, quintals.	Haddock, quintals	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked, boxes	Mackerel, barrels.
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Corneille River	103											
Piashter Bay	31/2		ļ		94	16						
Grand Watsheeshoo RiverLittle Watsheeshoo River	8	6 0	• • •		106				••••			
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Total	22	60			1,000	26				4		
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Cocoachoo	2				700							
Manichouachi Etamamion River	31											
Point Du Mourier	1				32		(
St Mary's Island												
Wastagastique									ا			
Harrington Harbour		15			1,352 326							
Little Meccatina												
Providence Island	2		l									
Rigolet au Chat								 				
Whale Head												
Sloop Harbour	101									4	•••••	
Mutton Bay Big Meccatina	107				2,440 236			•••	•••	82	• - • • • •	
Big Meccatina Island	13											
Red Point	13				200							
La Tabatière												
Spar Point La Tabatière Bay.			•••					•••		27		
Lac Salé (Tabatière)	2				15			•				
Fonderie à Fecteau	2	1										
Kikapoe Island	2											
Kikapoe River	1 2											
Little Rigolet	3											
Pocachoo Island												
Grand Rigolet	3											
Grosse Isle. St. Augustine	2		•••									
Rivière de L'Isle, St. Augustine	8				•••••			• • • •	[•••••		
St. Augustin River St. Augustin Bay	4											
Quacoosippi River	2			ļ								
Lac Salé, St. Augustin	17							•••		· · · · · · · · · · · ·		
Sandy Island, St. Augustin	9 22							•••		· · · · · · · · · · · ·		
Dog IslandSt Augustin Harbour	22				60			•••				
Pointe à Giroux	112	1			31		1					
Canso Harbour	1				50							·····
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extending from Manicouagan to Blanes Sablons, &c .- Continued.

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; Irout, parreis.	Sardines, parreis.	Ecis, barrels.	Tunny, barrels.	Cod Tongues and barrels.	No. of Seals.	No. of Seal-skins.		No of Porpoises	Seal Oil, galls.	Whale Oil, galls.	Porpoise Oil, galls.	Cod Oil, galls.	Herring, barrels.	Capelin, barrels.	Smelt, barrels	Cod Roes, barrels	Squid, barrels.	Trout, harrels	Launce, barrels	Clams, barrels.	Lobsters, in the cans.	Fish used for Local
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RETURN showing the Kinds and Quantities of Fish in the Division

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NAME OF STATION.	NAME OF OWNER.	Salmon, barrels, cu	Salmon, fresh, in ice.	Salmon, in cans, lbs	Salmon, smoked, boxes	Cod, quintals.	Cod, quintals.	Haddock, quintals.	Ling, quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked, bo	Mackerel, barrels.
St Danlia Divon	V. Chovelien	40		_									
St Paul's River Wahtipiti River	Louis Jean	40 4	•••••			20							
Bull Cove	Pierre Fournier	8				50							
Bay of Rocks	John Belvin	3				300		•••					5
Lydia's Cove Dog Is'and	Thomas Door	6	•••••	• • •	•••••	40 20		•••					
Pêche à Lizotte	George Norther					20							
Burnt Island	François Levesque					200							
Old Fort Island	François Fequer												
Bonne Esperance	W. Whitely												· · · · · ·
do	3 proprietors												
Pigeon Island Stick Point	James Buckle		•••••										
Salmon Bay		8	••••										
	Richard Jay												
	Alfred Tilley												
do	Chalker&Haywood	12											
	J Owen				•••••								
	R. Owen			1	•••••								
	G. Carr ng on J. Carleton				•••••								
	J. Sweet					100							
	T Reed					250							
do	W. Keates												
Little Fishery						100							
Five League	J. Griffin	5				100	•••••	•••					
Middle Bay Belles Amours	H. Bucklo												
Bradore							i				·		
L'Anse à Demers													
Long Point	J. Dumas												
do ,	G. Etheridge	2				50							
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Bonne Esperance Div	ision	119	1	1		188930		1	1		100	ļ	
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Grand total of No	orth Shore	7503	148155	·		264917	12330	١	· ···	47	4021		54
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DIVISION.

extending from Manicouagan to Biancs Sablons, &c .- Continued.

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Trout, barrels.	/ Sardines, barrels.	Eels, barre's	Tunny, barrels.	Cod Tongues and Sounds, 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 Ro s barrels	Squid. barrels	Trout, barre s	Launce barrels.	Clams, barre's.	Lobsters, in lb , cans.	Fish used for local consump-
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RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Manicouagan to Blancs Sablons, in the 34 Value. Herring Seines. 5 m ON. :: NETS AND SEINES. Value. Cod Scines. Yards. ·oN € Value. Salmon Nets. 160 200 200 120 150 200 1425 350 Xards. TRINITY DIVISION-(Pointe des Monts to Baie des Rochers). GODBOUT DIVISION-(Maniconagan to Pointe des Monts). ·o_N Province of Quebec, for the Year 1580. Xo. of Shoremen. No. of Fishermen. $\mathbf{v}_{\mathrm{alue}}$ Flat Boats. 449118 ·o N 125 25 8^ 87 179 515 Value. Fishing Boats. 81022 ·oN : No. of Sailors. Vessels. Value. 46 33 reno T oN Egg Island.......Pointe aux Anglais,..... © English Bay o St. Panerace River Mistassini Grand St Nicholas...... Cariboo Islands Trinity Bay NAME OF PLACF. River Becscie, East...... River Becscie Calumet Godbout Bay Godbout River Pointe des Monts.

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Return showing Number a	nd V	^r alue	and Value of Vessels. Boats, Nets. &c., in Division extending from Manicouagan to Blancs Sablons, in the Province of Quebec, for the Year 1880. GODBOUT DIVISION—(Manicouagan to Pointe des Monts).	sels, E	Boats rovin	Cessels, Boats, Nets. &c., in Division extending froi Province of Quebec, for the Year 1880. GODBOUT DIVISION—(Manicouagan to Pointe des Monts).	, &c. Queb -(Ma	, in Doc, for	ivisio r the gan to	n ex Year Poin	tendin 1880 te des	ng fro	Ø .	anico	uagan	t to I	Mancs	Sablo	ns, i	in the	
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RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Manicouagan to Blanes Sablons, &c. --Con. |

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RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Manicouagan to Blance Sublons, &:. -Con.||

WASHEECOOTAI DIVISION (Regashka River and East Roma'ne River)—Continued.	NETS AND SEINES.	Herring Nets. Mackerel Seines. Mackerel Nets. Capelin Seines. Launce Seines. Seal Nets. Fisheries.	Yards. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue. Yalue.	4 400 160
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SHEEC		rring N	Yards.	
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		NAME OF PLACE.		Kegasdka Musquaro' Washeecoofai River Romaine River Clouberry Point Little Musquaro. Washeecootai flarbor. Total Total Pissliter Grand Watsheeshoo Little Watsheeshoo Little Watsheeshoo Little Watsheeshoo Little Watsheeshoo

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N DIVISION—(Chicatica
ATTGITSTIN
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Manichouachi Netagamion River. St. Wary's Island. Wastagastique Harrington Harbor Little Meccatina	22	1320	262						126 66	125		<u> </u>				
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Cofforderie is Fecteut Kikapoe Island Kikapoe River Red Point Little Rigolet													300	300		
Pocachoo Island. Grand Rigolet. Grand Rigolet. Rivière de L'Isle St. Augustin. St. Augustin River. St. Augustin Bay. Quacoosippi River.												7	200	92		
Lac Salle (St. Augustur) Sandy Island, St. Augustin Dog Island St. Augustin Harbor Pointe à Giroux						4.4	16					. m	009	000		
Canso Harbor	£	2100	520		13	485	326	1 41	60	60			7120	6095		

RETURN Showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Manicouagan to Blancs Sablons, &c. -Con.||

BONNE ESPERANCE DIVISION.		Yalue. Y	€ € € € € € € € € € € € € € € € € € €	1 40 4 50 4 2 10 500	20 1 20 4 1 2 100 50	4 140 2 80 6 2 4 200	1 20 2 40 2 2 4 200	1 20 2 80 2 1 2 100	20 1 20 10 10 10 10 10 10 10 10 10 10 10 10 10	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	16 1120 12 56 32 20 4 2:0 100 2 400	250 10 4 200 2 400 500	** 100 2 10 10 2 0 200 10 2 0 200 10 10 10 10 10 10 10 10 10 10 10 10 1	5 +tv0 (1000 24 0 1 1 4 200 100)	2 70 3 80 4 21 2 100	1 40 1 20 1	x x 201	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		4 440 8000 24 96 6080 80 2600 205 168 54 2700 1350 12 2400 3400 2 400 500
	NAME OF PLACE.			St. Paul's River	Wahpitipi River	Bay of Rocks.	Lydia's Cove.	Dog Islands	Pêche à Lizotte	Burnt Island.	Bonne Esperance	Pigeon Island	Stick Point.	Little Fishery	Five League	Belles'-Amours	Bradore	L'Anse aux Dune	Long I office	Total

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Watsheeshoo	33	86	2200	20	4	398	=	82				402	202				-		
Washeecootai	4	155	2100	77	22	1160	24	240			15	800	800			_			
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*One of these vessels is a steamer of 200 tons.

RETURN showing Number and Value of Vessels, Boats, Nets, &c., in Division extending from Manicouagan to Blancs Sablons, &c.—Con.

BONNE ESPERANCE DIVISION.

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	Brush Fisheries.	Yalue.	⊕														
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	nes.	Value.	69		- 05				150	000	330	20	<u> </u>	40			720
EINES.	Capelin Seines.	Yards.			1001				300	96	009	100	i	100			1400
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	eines.	Value.	€										Ī			Ī	
	Mackerel Seines.	Yards.													:		
	Mac	.oV					-			-	-		i			1	
	ets.	Value.	€						20	:	:						20
	Herring Nets.	Yards.							200	i	:						200
	H	.оИ					-		7	i	:						4
Property of the Control of the Contr	NAME OF PLACE.			St. Paul's River	Sall Cove.	say of Rocks	Jog Islands	suret Island	old Fort Island	sigeon Island.	stick Point	Salmon Bay. Little Fisherv	live League.	Belles-Amours	I'Anse aux Dunes	10ng r 01nt	Total

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St. John's	32	1870	635	<u> </u>						14	1400	1400	39	3660	3660	<u>.</u>	:	-	÷	-
Natashquan.	_	•	1569	:	-					10	315	350	<u>:</u> ;	:	:	000		240		:
Watsheeshoo	ÇI	130	20		-		-			=	80				:	<u>n</u>	200	:	:-	_
Washeecootai	4		695	-	-	:	<u>:</u>		•	-	380	<u> </u>	:					2002	:	-
St. Augustin			520	-			13	485	3.76	14	828	:	:		001	40	0702	0000	<u>:</u> :	-
Bonne Esperance	4	300					:		:	17	1400	07.1	-1	700	4	2	0100			
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THIRD DIVISION.

THE MAGDALEN ISLANDS FISHERIES.

TOTAL Catch and Value of Magdalen Islands Fisheries for 1880.

Description.	Quantity.	Price.	Value.
Cod, Summer do Fall Herring Mackerel Lobsters, in cans Seal Skins Seal Oil Cod Oil Fish used as bait and manure Fish for local use Haddock Total	17,287 cwts	\$ cts. 4 00 4 00 5 00 8 00 0 15 1 00 0 50 0 50 1 00 4 00 4 00	\$ cts- 69,148 00 3,956 00 88,220 00 18,080 00 34,192 80 733 00. 2,248 50 4,101 00 1,661 00 4,328 00 2,772 00

Value of T		1879 1880		
	Decrease in 1	1880	\$151,85 9	85

I have not visited the Magdalen Islands this season. There has been a considerable decrease in the value of the Fisheries. The local officer being new to the work, has not furnished me with very elaborate statistics, and I shall only be able to give comparative tables of the catches of this year as compared with 1879.

SEAL FISHERY.

	1879.	1880.	Decrease, 1880.
Seal Skins	25,257	73 3	24,524

By the above table it will be seen that the seal fishery was a complete failure-

HERRING FISHERY.

	1879.	1880.	Decrease, 1880.
Herring, Spring, barrelsdo Summer do	21,013) 2,876 }	17,644	6,245
100			

Mackerel, Spring, barrelsdo Summer do		1880. 2,260	Decrease, 1880. 3,417
COD FISHE	RY.		
	1879.	1880.	Decrease, 1880.
Codfish	18,374	18,276	98
LOBSTER FIS	HERY.		
	1879.	1880.	Decrease, 1880.
Lobsters, canned, in lbs	376,641	227,952	148,689

RETURN showing the Kinds and Quantities of Fish,

,													MAC	DA	LEN
		ice, Ibs.	lbs.	boxes	Summer Fishing.	Fall Fishing.	'n			:	boxes.				
Name of Station.	Salmon, barrels, cured	fresh, in	in cans,	Salmon, smoked,	Co quin	Haddock, quintals.	Ling. quintals.	Halibut, barrels.	Herring, barrels.	Herring, smoked,	Mackerel, barrels.	Trout, barrels.	Sardines, barrels.	Eels, barrels.	
Amherst Island.															
Pleasant Bay				 	952 855 800 1,190 1,595	120 76 108 140 45	100 84 120	١		70 102		220			
Grindstone Island.															
Etang du Nord	1	·			4,300 120 2 10	500	240 5 11	 		21		50 3 7			
Allright Island.			-												
Havre aux Maisons. L'Anse à Elie		1	į		360			ļ		20					
Grosse Isle and Grand Entry	ļ	ļ	ļ	-	300	! 				12					
Bryon Island	1	ļ		j	425	1	ļ	ļ		62		16	ļ		
Entry Island	-	ļ	 		80							134			
Total		ļ			17,287	989	693			17,644		2,260			

in the Magdalen Islands Division for the Year 1880.

ISLANDS DIVISION.

	,spunc		s, Wha Porpois		nd		Oil	s.	Fish H	an Bait			Con-							
Tunny, barrels.	Cod Tongues and Sounds, barrels.	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, barrels.	Capelin, barrels.		Cod Roes, barrels.	Squid, barrels		Launce, barrels.	Clams, barrels.	Lobsters, in lb. cans.	Fish used for Local Consumption, barrels.	
****** ***** ***** ****		60 42 45 83 47	60 42 45 83 47			252 225		 	750 42 6 440 £85 25 4	450 57 50 216 68		 					45 19 16 34 17	36, 000	245 114 70 102 51	
*****		325	325			1,625			2,450 60 105	25		·			i		75 3 10		150 12 29	
*****		60 12							3,100 180 450		50						30 12 45		58 24 92	
•••••		7		 		35	1		150		· ···						15		60	
*****	·····	52	52	·····		260	 	ļ	212		.						11	l	35	
	-						-	 -	40					-	-	-	8		40	
		733	733			4,497			9,202	1,27	1 50	' ···					340	227,952	1,082	

RETURN OF FISHING STATIONS, kinds of Vessels, number

MAGDALEN

NAME OF STATION.		v	essels.			hing ats.		Flat oats.	Fishermen.	Shoremen.		alm Net		Cod Seines.		
		Tons.	Value.	Value. No. of Sailors.		No. Value.		Value.	No. of Fisl	of	No.	Yards.	Value.	No.	Yards.	Value.
Amherst Island.			\$			\$		\$					\$			\$
Pleasant Bay. Basin L'Anse au Moulin L'Anse à la Cabane Etang du Cap					49 19 16 34 17	1,800 570 540 1,020 510	14 6 8 10 6	450 190 210 60 36	45 38 76	24						
Grindstone Island. Etang du Nord Cap aux Meules Hospital					69 6 14	3,450 240 560	30 3 10	210 21 70	14	11						
Allright Island. Havre aux MaisonsL'Anse à EliePlage Sud	١			1	53 12 45	360	6	420 36 120	26	20				l	l	
Grosse Isle and Grande Entrée Islands		1	l	1 .	40	1,600	4	24	71	10	ļ					
Bryon Island	1	1	i	1	18	720			39	16						
Entry Island Total	1_	·			400	$\frac{3!0}{14,630}$		1,871						-		::- ::-

of Men, Kinds of Nets used, &c., &c.-Continued.

ISLANDS DIVISION.

NETS AND SEINES.

-																						
_	Herrin Seines	g	.E	Herring Nets.				erel es.		Mackerel Nets.				Capelin Seines.			ice es.	Seal Nets.				Fish'ries
I No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards.	Value.	No.	Yards	Value.	No.	Yards.	Value.	No.	Value.
		.\$			\$			\$			\$			\$			\$			\$		\$
2 1 	200	 120	38	600 760 480 1,640 480	210 380 240 820 240				238 76 160 192 18	9,520 3,040 4,240 7,680 720	912 1,920 2,304		120 50					10 13 12	800 800	300 400 400		
 	300	200	10 5	200 100					35 	1,750	420	1	60	50				6 9	3,450	1,720		
1 	20 0	100 	4 5 45	80 100 2,100	50				15 18	600 720			60	5 0	1			36 	2,160		l	1
•••		ł	4	80	40		ļ											2	120	60		
•••			18	720	189			ļ	8	320	İ							20	1,230	600		
6	1,100	920	5 280	7,540	2,800	 	 		57 827	2,680 31,270		5	290	265	 		 	166	9,380	4,570		

FOURTH DIVISION.

ISLAND OF ANTICOSTI FISHERIES.

TOTAL Catch and Value of Anticosti Fisheries for 1880.

Description.	Quantity.	Prices.	Value.
Salmon Cod, Summer do Fall Halibut Herring, Salted do Smoked Trout, Salt Eels do Cod, Tongues and Sounds Seal Skins Seal Oil Cod Oil Fish used as bait and manure Fish for local use Total	146 brls	4 00 6 00 5 00 0 25 8 00 7 00 9 00 1 00 0 50 0 50 4 00	\$ cts- 264 00 40,912 00 9,036 00 7,360 00 7,360 00 2 50 88 00 91 00 54 00 321 00 342 50 3,257 50 3,377 00 1,280 00 \$67,263 50

Total value of do	Anticosti Fisheries in do	1879 1880			
De	ecrease in 1880		8	47,808	00

The Fisheries of the Island of Anticosti for the season just closed show a very material decaease. This is principally due to the small catch of herring. I have not visited the Island and trust for my information to the Local Guardians. The Island has been this year the scene of a number of wrecks, some of them accompanied by loss of life. I am afraid that, as usual, there will be a good deal of distress during the winter among the inhabitants, especially at Fox Bay.

	COD.		
	1879.	1880.	1880.
Cod, Summer, cwt	$11,210 \\ 1,079$	$10,\!228 \ 2,\!259$	982 decrease. 1,180 increase.
Total	12,289	12,487	198 increase.
н	ERRING.		
	1879.	1880.	Decrease 1880.
Herring, brls	5,999 106	1,472	4,527

MAC	KEREL.		
	1879.	1880.	Decrease 1880.
Mackerel, brls	157	•••••	157
SAI	LMON.		
	1879.	1880.	Decrease 1880.
Salmon, brls	$41\frac{1}{2}$	22	$19\frac{1}{2}$
SEAL	FISHERY.		
· ·	1879.	1880.	Decrease 1880.
Seal Skins	382	321	61
Seal Oil, galls	920	685	235

RETURN showing the Kinds and Quantities of Fish in the

WEST

NAME OF STATION.	Salmon, cured, brls.	Salmon, fresh, in ice, 11s.	Salmon, in cans, 119s.	Salmon, smoked, boxes.	Cod, quintals.	Fall Fishing God, duintals.	Haddock, quintals.	Ling, quintals.	Halibut, brls.	Herring, brls.	Herrings, smoked boxes.	Mackerel, bris.
English Bay Strawberry Cove Ellis Bay Becscie River Otter River Jupiter River South West Point	4					40			60 15 7 82	140 30 35 29 234	10	

EAST

The state of the s							 				-
Chaloupe Creek	4	l	l	 		-	 				1.
Dauphiné River	3				15		 	1			١.
Bay River Fox Bay											
IcDonald's Cove	2				2850	300	 	25			
Cow Point									160		1
Capelin Bay											
apps' Cove			ļ		830	45	 	12	145		ŀ
Salmon River		<u> </u>		<u> </u>			 		l		1
Total	18		 .		7008	1339	 	64	1238		1
		1	l	1	1	l		1		ļ	1

TOTAL OF IS

·		 	 		 				
West End East End			3220 7008						
Grand Total	22	 	 10228	2259	 	146	1472	10	

Division of Anticosti, in the Province of Quebec, for the Year 1880.

END.

				Sounds,	Seal, P	, Whale	e and	ì		0	ils.		Fish :	and C		ms us Ianur		Bait	a n	d	- 1	sal Con-
/ Trout, bris.	Sardines, brls.	Eels, bris	Tunny, bris.	Cod Tongues and	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.	Equid, brls.	Trout, bris.		Clams, brls	ters, cans.	Fish used for Local sumption.
··· 1 5 ··· 4 ··· 10		 10 2 12		6	70 10 22 90 	70 10 22 90 1 192			145 30 50 202 			1800 240 85 2125	500 150 30 200 880	25 20								100

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RETURN showing Number and Value of Vessels, Boats,

WEST.

Name of Place.		Vess	sels.			nng ats.	Fl Bos		Fishermen.	Shoremen.		almo Nets		\$	Cod Seines	
	No.	Tons.	Value.	No. of Sailors	No.	Value.	No.	Value.	No of Fis	No. of Sho	No.	Yards.	Value.	No.	Yards.	Value.
English Bay					1 5	45 	9 1 1 6		16 2 1 10	8 3	 2	90	50	<u></u>		

EAST

															1
Chaloupe Creek					1	25	2	25				281			
Dauphiné River							1	12	1						
Bay River							1	12	1 1		1	120	36	 	
Fox Bay	1	16	400	4	23		24	240	32	6				 	
McDonald's Cove							24				4				
Cow Point					6	240	6	60	12	4	1	80	20	 	
Capelin Bay Tapp's Cove				 	5	200	4	40							
Tapp's Cove	1				4	160	4	40	8				·	 	
Manzerolle River					5	200	-	50	10	5			1	 1	
Salmon River					1	50	1	10	1		1	175	60	 	
				-										 	
Total	1	16	400	4	67	2680	72	829	125	34	9	809	271	 	
		ļ	1	Ì		1 1				Į	1	}		١	

TOTAL FOR DIVISION

West End					F 7	2395	65	675	119	.,,	0	00	50		
West End	1		4 60			2680			125		4	900	971	 	
East End	1	10	400	9	61	2080	12	829	125	34	9	609	211	 	
							3.05	1.00	-				001	 	
	1	16	400	4	124	5076	135	1504	244	75	11	899	321	 	

Nets, &c., in Division of Anticosti, &c.—Continued.

E A D'

NETS AND SEINES.

H	errin Seines	eg		errin Nets			Iacke Seine		<u> </u>	lacke Net			Cape Sein			aunc Seine		s	eal N	ets.		ish eries
/No.) Yards	Value.	No	Yards	Value.	No.	Yards.	Value.	No	Yards.	Value.	No.	Yards.	Value.	No.	Yards	Value.	No.	Yards.	Value.	No.	Value.
•••••		\$			\$ 1700 200							7 1	350 60				\$	 1		\$ 		\$
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COMPARATIVE STATEMENT of the Total Catch and Value of Fisheries of the Gulf Division, for the Years 1879 and 1880.

Description.	Quan	tities. ,	Va	lue.
Description.	1879.	1890.	1879.	1880
			\$ cts.	\$ cts
Salmon, salted Brls.	1,002	8141	12,024 00	9,774 00
do fresh Lbs.	684,651	306,340	34,232 55	21,443 80
Cod, Summer Cwt.	353,568	361,423	1,414,272 00	1,457,688 00
do Fall	37,937	42.62 5	151,708 00	170,500 00
Iaddock "	513	1,140	2,052 00	4,560 00
ing "	1871	16	750 0 0	64 00
Halibut Brls.	279	217	1,674 00	1,302 00
Herring, salted "	54, 330	33,880	271,650 00	169,400 00
do smokedBoxes.	1,009	562	253 25	140 50
lackerel Brls.	$7,552\frac{1}{2}$		60,420 00	37,168 00
rout	147	121	1,176 00	968 00
Sardines	30	36	78 00	93 60
7015	15	37	105 00	259 00
Jou, Tongues and Sounds	1421	39}	1,282 50	355 50
eal Skins	28,797	26,621	28,797 00	26,621 00
Porpoise Skins	111 603	150		600 00
Seal Oil	111,302	115,127	55,651 00	57,563 50
Whale Oil	8,015	13,500	4,007 50	5,400 00
Porpoise Oil	200,000	376		188 00
Fish used as bait and manure Brls.	300,989	293,689	150,491 50	118 547 30
Lobsters, canned Lbs.	148,753 775,289	100,992	148,7E3 00	100,992 00
Fish used for local consumption Brls.	20,356	737,551	116,293 35	110,632 00
Salmon, canned	17,605	15,740	81,424 00 2,640 75	62,969 00
do smoked	1,200		120 CO	
Total			2,539,857 40 2,357,220 20	2, 357,220 20
Decrease in 1880			182,637 20	

The foregoing statistics are, I think, as accurate as possible, with the exception of the quantity of fish used for bait and manure, and domestic consumption; for these items, I believe, the estimates given are too low. The quantities of cod, salmon, seals, and lobsters, which are the principal items, we are in all cases able to give with tolerable accuracy, and I consider that the statistics given can be relied on. In the lists of fish cargoes outwards from the ports of New Carlisle, Percé and Gaspé, I do not include any cargoes of fish cleared for Dominion ports, but only those cleared for foreign markets. Several cargoes are sent annually to Halifax.

1 am glad to be able to say that the cables laid during the fall to Anticosti and the Magdalen Islands are working well. The Anticosti cable had hardly been laid before its value to the shipping was very clearly proved in the cases of steamship "Otter," disabled off the West Point, the barque "Pimlico," wrecked near Ellis Bay, as well as a number of Gaspé fishing and trading schooners that were driven ashore in English Bay. The Gulf telegraph system will, however, not be complete without having a powerful tug stationed at Gaspé so as to be able to render help at once to wrecked or disabled vessels. When this is done, and a floating dock or marine slip has been constructed at Gaspé, I think the Government will have contributed all it could reasonably be expected to towards facilitating and making safe the navigation of this port of the St. Lawrence.

I have the honor to be, Sir,

Your obedient servant,

W. WAKEHAM.

APPENDIX

RETURN OF FISHING STATIONS, Number and Value of Fishing Boats and Nets, Shore of the River St. Lawrence, from Point

							ŀ	Kinds of I	Vers 1	Used.			
NAMES OF PLACES.		hing ats.		ar	Salmo id Her Nets.	ring	F	Brush isheries ith Nets.		Brush Sheries.	Fi	Eel sheries.	
Trans or Tascas.	No.	y Value.	No. of Fishermen.	No	Yards.	Value.	i No.	Value.	No.	Value.	No.	Value.	No. of Salmon.
		-\$				\$		\$	l	\$		\$	
	2		36 34 37 177 8 8 222 36 34 28 23 31 22 24 24 24 22	 	200 erring 2,25	100 Nets 424	4 2 4	1,700 3.000 2,000	7 8 3 32 28	110 520 200 8 3 0	133 100 222 366 2 2 511 200 177 200 223 177 5	750 420 1,223 1,500 60	255
do (Mainland) Lake Temiscouata and Touladi River Rivière St. Mathieu	1 14	10 40	17 25	H- 20	erring	 Nets. 100		100	12	830	3	20 16	
Petit Lac		10 20	13 6				4	76	8			6	5 7 17 34
Cap à L'Aigle Port au Pic Pointe à la Cive. Anse à Mercier. Islet au Flacon.	1 1 2 1	12 14	1 3				3 1 1 1	20 25 20	1				10 7 6 10
Baie de Ha! Ha! and Cap à L'Orignal	3	l	1	ł					4	135	1	l	11

No. 4.

Number of Men, together with the Yield, Value and Kinds of Fish, on the South Lévis to Cape Chatte, during the Year 1889.

					К	inds of	Fish.							
No of Shad.	Herrings, barrels.	No. of Eels.	Sturgeon, barrels.	Sardines, barrels	Bar and White Fish, doz	No of lbs. of Bar Fish.	Small Fish, barrels	Mackerel, barrels.	Trout, lbs	Codfish, quintals.	Cod Oil, gallons	No. of Porpoise Skins	Porpoise Oil, gallons.	Fish for Manure, barrels.
0,640 1,275 1,500	18	2,300 700 4,400 5,100 5,150 900 15,000 1,180 16,140 29,210 26,175 24,762 7,600 6,750	12 15 36	260	20	29,000	21 21 18 10 60 80 80 40		3,000					
500 1,160 850 6,405 14,728 902	70 150 1,200 1,515 3,429	4,662 6,225 2,590 975	20	160 470 125 917 160			33 20 14 100							125 1,10 0 1,760 3,175 510
312	50	475 400 250	1	108			18		6,000			.		327
5 70	50			60			a							155

115

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RETURN OF FISHING STATIONS, Number and Value of Fishing Boats and Nets, Shore of the River St. Lawrence, from Point Lévis

	Fic	hing					1	Kinds of I	Nетs	Used.			
Names of Places.		ats.		ar	Salmo nd Her Nets.	ring		Brush lisheries ith Nets.		Brush sheries.		Eel sheries.	,
	No.	Value.	No. of Fishermen	l No.	Yards	Value.	i No.	Value.	No.	Value.	No.	Value.	No. of Salmon.
O. P. V.	1	\$	3.4			\$		\$		\$	7.0	\$	6
Anse au Bouleau		. 10	14						2	50	13		5 278
Cap Enragé	1	10 4	1 2	1	200				1	20			210
Islet BruléIslet au Massacre	1	10	1						1	20			25
Rivière Hâtée			12						5	165			24
Anse au Sable	3	35							5	282			62
Islet à Canuel									1	100			50
Bic	2	14	3					. 50	1				330 15
Rivière Rimouski	1	12	3	•••	•••••				3		1	6	112
Isle St. Barnabé Rimouski.			10	2	115	80	 1	30	7				247
Ste Luce			20	ī	75				19	300			631
Pointe aux Senelles			2						2	40			25
Metis			4		• • • • • • • • • • • • • • • • • • • •				4				29 22
Pointe Petit Metis			2 5	 1	75				2				• 3
Boules		• • • • • • • • • • • • • • • • • • • •	11	1	15			•••••	11				14
Matane			14						14				12
Ste Felicité			16						16				4
Cherbourg			1						1	18			
Dalibaire			7	3	10 6	38			4				152
Romieu From River St. Mathieu			3						3	50		•••••	
to Romieu Fly Fishing:	5	80	10				•••						
Matane River			l										30
S. W. Bic River													2
			-	_			_		-				
Total	149	1,851	728	38	3,821	872	37	10,021	262	12,110	254	12,267	4,738

Number of Men, together with the Yield, Value and Kinds of Fish, on the South to Cape Chatte, during the Year 1880—Continued.

KINDS OF FISH.

No. of Shad	Herrings, barrels.	No. of Eels.	Sturgeon, barrels.	Sardines, barrels.	Bar and White Fish, doz.	No. of Ibs. of Bar Fish.	Small Fish, barrels.	Mackerel, barrels	Trout, lbs.	Codfish, quintals	Cod Oil, gallons	No of Porpoise Skins.	Porpoise Oil, gallons.	Fish for Manure, barrels.
20 100 20	75 35	1,815		15 15 2			2 2							100 20 10
 12 111	15 30 1,770 790			90 34			2 1 4	 4 2						50 95 80
10 20 2,3 00	100 900 	160		5 155			5 1 						······································	275
	1,625 3,515 450			365 90			50							1,025
***********	350 2,000 345			50 2 00				110 65					,	
***********	183 52 21			10 13 8			35 74 40 3	42 48 97 3				•••		
***********	2						7 2							
********									1,000	580	120	6	200	
43,267	21,218	233,459	686	3,755	2,727	29,000	1,008	371	10,000	580	120	68	3,580	10,327

RECAPITULATION.

YIELD and Value of the different Fisheries from Point Lévis to Cape Chatte in 1880.

Kinds of Fish.	Quantities.	Prices.	Value.
Codfish	580 cwt		\$ cts 2,320 00 2,163 35 84,872 00 4,738 00 3,430 00 2,727 00 11,465 00 23,345 90 2,016 00 3,710 00 264 00 1,790 00 48 00 2,581 75
Increase			40,118 95

APPENDIX No. 5.

775 (2)										
Boats and Nets, Number of Men, together with the Yield, Value and e of the River St. Lawrence, from Quebec to Bersimis, during the	• 6	lanure, bris	Tish for b						94 113 426	114
the Yield, Value Bersimis, during		fsi n onn	W to oV							
Yield simis,		.,	Trout, lbs					12000		
the Ber		h, brls.	Mixed Fis		20		25	30	- :∝	, 23
vith to	н.	u	Bar, doze		44 135 204 174		140	85		
bec	KINDS OF FISH	las.	Sardines,	٠		-			16	7
geth Que	S 01	brls.	Sturgeon,					:::		
umber of Men, together with Lawrence, from Quebec to	KINI	!	No. of Ee		1215 950 1625 853		110 627 1690 2770	16900 8175 7273	2522	34
Me e, f			Herrings,		00::::		<u> </u>	: : :	: : 6	40 23
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Nur.		el eries	Λ alue	₩	112 41 43 33		118 189 171			
ets, r St		Brush Eel Fisheries Fisheries	.oV		127		10 25 9	935 672	27.7	
d N. Rive		sh	Value.	₩	130		\$: :	507	3 5 5 2 5 5 3 5 5 5	011
an he I	USE	Brush	No.		12.		٠	19	27 9 6	40
soats of t	N. S. T.	Brush Fisheries with Nets.	Value.	€				430		8
g E	0 %	Brush Fisheri with Nets.	No.					13		C4
ishin rth e	KINDS OF NETS USED.		Value.	₩	240				<u> </u>	828
Number and Value of Fishing in the Districts on the north sid		Salmon Nets	Yards.		440				e a	155
alue on 1		Salı	.oV		6167 : : :					· 64
nd V ricts	.0	r Fishermei	Vumber o		2 2 1 1 2 2 5 1 1 3 9 5 1 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3		#0 T @	. 	272	0 4
ır ar Dist		Fishing Boats.	.9nlaV	₩		·				
mbe	Ė	2 8 2 8	.o.N							
RETURN of Fishing Stations, Number and Value of Fishing Boats and Nets, N Kinds of Fish, &c., within the Districts on the north side of the River St. Year 1880.		NAMES OF PLACES.	11	Sistem of Orleans.	St. Laurent St. Jean St. François (south side of the Island) Argentenay St. François (north side of the Island) St. Francois (north side of the Island) Ste. Famille do	North Coust.	Chateau Richer. Ste. Anne. St. Joachim (Parish) St. Joachim (Farm).	St. Joachim Baie St. Paul and neighboring lakes Isle aux Coudres.	Les Bboulements	St. Fidele St. Siméon

Value and	·s	sanure, bri	Fish for A	2336 6060 8000 2300
Valu		.fleinouni	W lo ov	
Number and Value of Fishing Boats and Nets, Number of Men, together with the Yield, h, &c., within the Districts on the north side of the River St. Lawrence, &c.—Continued.			Trout, lbs	15000 2400 2400 10000 25000 2000 300 300 2000 2200 2200 350 360 360 360 360 360 360 360 360 360 36
the inuec		sh. brls.	Nixed Fig	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
vith Cont	SH.	dsia otid	W & TBA	Mille Second 2 Wille Second 3 Second
ier v	DF F1	·	Sardines,	
getl 3e, &	KINDS OF FISH		Sturgeon	
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Me			No. of Sh.	
r of St.		l	BS to ON	
mbe		1	Value.	4
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Nets of t	ď.		Value.	69
nd side	USE USE	Brush Fisheries	·oN	
uts a	KINDS OF NETS USED.	Brush Fisheries with Nets.	Value.	69
Bog be n	S OF	Brush Fisheric with Nets.	·oN	
aing on t	KINI	ishe	Value.	4 (448. 380. 125. 100. 100. 100. 100. 100. 100. 100. 10
f Fisl cricts		Salmon and Winonishe Nets.	Yards.	Winonishe Nats. 60 1800 380 25 1500 100 20 1200 100
ne o Dist		gna bua	.oV	Wino 860 255 250 200 200 200 200 200 200 200 20
Valu the		зрегтеп.	No of Fig	2808
and thin		Fishing Boats.	Value.	φ
ıber ., wi		F. B.	.oV	
RETURN of Fishing Stations, Number and Value of Fishing Boats and Nets, Number of Men, together with the Y Kinds of Fish, &c., within the Districts on the north side of the River St. Lawrence, &c.—Continued.		NAMES OF PLACES.		Inland Lakes, County Charlevoix:— Grand and Little Lakes Nairne. Lake Hilarion De Lake Pointe à Jérôme. Dat des Monts and Long Lakes Lac des Gastors. Lac des Gastors. Lac des Godres. Lac des Godres. Lac Griment Lac Gromportée. Lac Griment Lac Gromportée. Lac Griment Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel' Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel! Lac Gravel' Lac

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Metabetchouan (West)	Saguenay River :— Pointe Rouges Baie des Rochers Rivière aux Canards. Anse au Lyrd. Rivière Noire. Port aux Quilles. Batture au Gibier.	A nase Ste. Catherine Petites Isles	Moulin Baude Anse Puante Pointe à la Cariole Berger-nines	Bacoumains. Islets Penchés Anse à la Cave. Mille Vaches.	River Sault au Mouton. Port Racon. Baie de Mille Vaches Portneuf Baie de Laval.	Islets Jérémie. Bersimis (Indiaus). From Rivière aux Canards to Bersimis (approximate) Approximate River Ste. Marguerite, NE. Branch River Ste. Marguerite, NW. Branch	Murray River Anse St. Jean River A Mars River In 117 1283 Fotal In 117 1283 NOTE —No returns received of the yield of Seal and Porpoise Fisheries
	~4			121		124	1

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RECAPITULATION.

YIELD and Value of the different Fisheries from Quebec to Bersimis in 1880.

Kinds of Fish.	Quantities,	Price.	Value.	-
Salmon Herrings Sbad. Sardines Winnonish. Trout Sturgeon Bar and Whitefish Eels Small and Mixed Fish Fish used as manure	876 pieces	\$ cts. 1 00 4 00 0 05 3 00 0 25 0 05 5 00 1 00 0 10 2 00 0 25	876 384 76 201 6,184 18,947 35 1,931 3,907 1,178 428	00 80 00 00 50 00 00 00 75
Total Value of the Products of the Fisheries in 1880 do do 1879	·····		34,149 47,249	
Decrease	•••••	•••••	13,100	3 5

APPENDIX No. 6.

	• Hishing	<u> </u>			KINI	KINDS OF NETS USED.	VETS (Jeed.						Kin	KINDS OF FISH.	FISH.				
NAMES OF PLACES.	Boats		nermen.	Gill Nets	Vets.		Seines.		Eel Figheries	 	İ				pnsp.	-iAssM	slor	slarred	rels.	b, bris.
	No.	Value.	No of Fis	Yards.	Value.	.0 N		Value.	·oV	Value.	No of Fe	Sturgeon,	A Trout, Ibs	defisitefish	Tom Cod.	No. of nongé.	Basa, bar	Pickerel,	Pike, bar	Mixed Fis
		₩				₩.		€9		€9	**********									
CThree Rivers Division (approximate) St. Francis do Berthier and Sorel Division	200 2000 6 28 600 1850		200 11 17 625 1	150 2 13 2 140 2	2000 798 2700	100 30 80	100 2 4 133 2	2000 44 2430	- 13	120	40000 1062 1250 17000	_ : :	100	10000 1000	0 10000	0 100	ဥ္ကဏ	100 3 140	50 2 55	200 280 30
Magog do		:	:	13	1460 3	390	<u> </u>		-	6170	07						-	104		5.58
Richelieu do	8. 6.9 40	348 590 1 480 3	46 118 300	. o. e.	270 25 1	18 150	59 1 25	180	24 2, 1,	1,200	27		45400	8		187	32.5		125	1750 200
Terrebonne do	20	500	901		<u>; </u>		14	350			30000	; ; g g	200G 	: <u>:</u> 8 :		1800	9	9	120 .	1000
Argenteuil and Lake of Two Mountains Division Lower Ottawa River Unner Ottawa Ao	443 070	284 280 190 1	500 200 202	167 23 260 2 250 9	23090 9 2600 4 9000 20	956 450 2000	<u>∞ ∽</u>	205		1000	4200 00 1500 5000	00 150	<u>i_i</u>	5000 500		. 50 50 850	36	170 130 1 6 0	73 85 75	565 600 9500
Gatineau Lakes Division (hook and line fishing, approximate)	•		200		<u>.</u>	<u>:</u>	- !	_ <u>÷</u>	<u>:</u>	<u>:</u> :	_ <u>:</u>		1650	165000 1600		<u>:</u>	800		300	009
Total	1152 6	1152 6655 1836	136 10	1032 41	41943 4174		348	6474	(2) (3)	320 84	3,320 8420 137062	<u>'</u>	195 230400 3100	00 310	•	10000 3650 1050	1050	973	975	15305

RECAPITULATION.

YIELD and Value of the different Fisheries in the Districts above Quebec in 1880.

Kind	s of Fish.	Quantities.	Prices.	Value.
Eels		195 barrels	\$ cts. 0 05 0 10 5 00 1 00 0 50 0 05 1 00 8 00 8 00 8 00 2 00	\$ cts. 421 00 13,706 20 975 00 3,100 00 5,000 00 11,520 00 3,650 00 8,400 00 7,784 00 7,784 00 30 610 00
	the products of the Fisheries,	•	-	92,966 20 126,186 60
Dec	rease	•••••		33,220 40

APPENDIX No. 7.

SYNOPSES OF FISHERY OVERSEERS' AND GUARDIANS' REPORTS IN THE PROVINCE OF QUEBEC, FOR THE YEAR 1880.

SOUTH SHORE DIVISION FROM POINT LÉVIS TO CAPE CHATTE.

(CLOVIS CARON: - Point Levis to River Ouelle. JULES GAUVREAU:—River Ouelle to Isle Verte.

{ HERMENEGILDE MARTIN:—Isle Verte to Rimouski.
L. E. GRONDIN:—Rimouski to River Blanche.

VITAL CHAREST:—River Blanche to Cape Chatte.

The following comparative table exhibits the yield of the Fisheries in this Division:-

The second secon											
	1870.	1871.	1872	1873.	1874.	1875.	1876	1877.	1878.	1879.	1880.
Salmon Pieces Shad do Herring Brls. Sturgeon do Sardines do Cod Quintals Eels Pieces Porpoises Doz. do Pieces Small and mixed fish. Brls Porpoise oil Galis Cod oil. do	16249 6671 219 6688 4900 109125 208	25035 2169 242 1443 2200 109204 115	1658 300 73353 6		20583 12903 523 900 3200 121442	85822 6311 263 930 2500 125550	117927 8474 362 1642 4000 144726	7410 2220 158143 11 2361 2642	4681 2690 215502 3511 1560 3041	11005 606 3472 370 225775 189 2170 778 1925 1890	580 233459 62 2727 Lbs.29000
Total Value\$								124328		170 102064	140124

The catch shows a slight falling off, especially in salmon and shad, but this is compensated by higher prices paid for these kinds of fish.

The following is a comparative statement of the yield of salmon for the past

seven years:-

In 1874,	527	salmon, weighing	g 8,959	lbs.;	average weight	17	lbs.
1875,	335	do	4,020		do		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
1880,			4,790	do	do	10	do

The decrease in the above is attributed to the same causes which affected this fishery in other parts of the River and Gulf of St. Lawrence.

Comparative statement of the yield of shad for the last five years:-

	N	o. of Sh a d.
In	1876,	50,571
	1878	4,590
	1878 1879	15,678
	1880	11,495

A steady increase is also noticed in the catch of eels, as shown in the following table:—

		No. of Eels.
In	1874	. 58,641
	1875	. 62,133
	1876	
	1877	. 93,471
	1878	. 103,826
	1879	
	1880	. 135,917

Sturgeon and small fish were as abundant as ever. Bar fishing shows a notable increase. The yield of this last fishery amounted to 2,727 dozen, against 1,127 in 1879; the fish being also of a much larger average size.

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.	1880.
Codfish Quint'ls Haliout Brls Salmon do do (fresh'in ice). Lbs. Herring Brls. Mackerel do Trout do Sardines do Seal Oil Galls. Porpoise Oil do Fish and Clams used as bait and manure. Brls. Fish used for local	25 8 	7 20 34 13	37 10 787 2,353	26 27 9 440	45 3½	24	376 48½ 6	60° 20 60 2,955	6,922 3 13 1,248 90 47 11 2,840 187	2,135 94 72 11 30 2,650 5,262	1,017 286 60 31 26 1,730

The number of salmon caught with the fly in Ste. Anne des Monts River since 1871 is as follows.—

Year.	No. of Salmon.	Weight.	Average weight.
1871	8	136	17
1872		221	18 1
1873		$1,522\frac{1}{2}$	$17\frac{1}{2}$
1874		2,730	$19\frac{1}{2}$
1875		1,449	21
1876	116	2,256	19 Լ
1877		1,407	$19\frac{5}{8}$
1878	67	1,358	$20\frac{1}{4}$
1879	101	$2,\!135$	21
1880	52	1,917	$19\frac{1}{2}$

MAGDALEN RIVER DIVISION.

MAGLOIRE LAURENDEAU, Guardian.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

Kinds of Fish.		1876.	1877.	1878.	1879.	1880.
Codfieh Halibut Herring Mackerel Trout Salmon (pickled) do (fresh, in ice) Cod Oil Fish used as bait and manure do for local consumption	do do do do Lbs Gallons. Barrels.	28 4 70	20,151 76 28 6 52 1,000 18,534 6,310 788	28,453 41 601 254 4 69 268 14,670 3,692 1,664	32,035 49 746 96 1 48 25,370 5,356 1,776	27,985 24 1,824 664 1 30 1,402 3,200 2,104

GASPE, 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.	1977.	1878.	1879.	1880.
CodfishQuintals	53,011	46,623	61,691	60,993	73,537	59,331	72,346	
Herring Barrels.	2,529		1	, ,	429		1,241	1,978 21
do (smoked)				2	131	1 5 970	5 5 5 2	
Salmon (pickled) do	361				99		552	012
		118,304		72,554		2 0 0,430	97,563	43,587
(10,000			
HaddockQuintals					186		386	91
					62	22		
Halibut Barrels.					1	2		
Cod Tongues and Sounds do					179	202	120	29
Number of Seal Skins.					3	2		ا م
Seal Oil Gallons Whale Oil do	11 602	16 200	90.200	9,368	40 8,614	5,120	8,015	8,010
Cod Oil do	36,960			39,987				
Fish used as bait and manure Barrels.		20,300			15,125			
do for local consumption. do					150			
Lobsters (preserved in cans) Lbs.						240,960		
,	1			1	1	'	, ´	_

Fishermen began setting their nets at Gaspé on the 13th May, in anticipation of a good run of fish, but no salmon were taken until the 31st May, and the fish began to come in slowly only about the 4th of June. The catch was very small, only about one-third the quantity of last year being taken.

PORT DANIEL DIVISION.

JOHN PHELAN, Overseer.

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division.

	1868	1869	1870	1871	1872	1873	1874	.875	1876	1877	1878	1879	1880
Codfish Quint'ls Salmon Bris do (preserved) Lbs Herring Brls Mackerel do Cod Oil Galls	515	79 	120 695	108 1231	110 830	148 280	710	88 1020	68 1755	7 41801	7730 24 54758 1090 21 7360	16 46109 1165 65	4970 6 2290 6 600 10 3840
Fish used as bait and manureBrls. Fish used for local consumptiondo Lobsters (preserved in cans). Lbs.										7475 1030	4250	2780 1850	3503 1250 210553

The yield in general was far below the average. Codfish and salmon about one-half less than last year. Mackerel plentiful, but of too poor quality to be marketable. About 1,500 lbs were put in cans and shipped from Mr. Hoeg's factory, but this gentleman had to discontinue packing, owing to the poor quality of th quality of the fish. Spring herring were plentiful at Port Daniel, but the summer herring fishery was a complete failure, the catch being by far insufficient for local consumption. Lobster fishing was very successful until the latter part of June. Trout abundant in Port Daniel River, and angling good.

The Overseer states that the failure in the cold fishery, together with the falling off in prices, caused an unprecedented emigration of able-bolied men from this

Two cases of violation of the "Sunday clause" having come to the Overseer's knowledge, the fish, valued at \$13, were confiscated, and one of the parties fined \$2.

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.	1880.
	1012.	1013.	1014.	1015.	1010.	1011.	1010.	1010.	1000.
								I	
Codfish Qtls.		F 077	0.740	4 400	4 3 3 3	4 101	4 3 3 3		
Herrings Qtls.	5,580					4,161	4,111	5,469	4,312
do de Dris	8,990	2,250	2,080	1,800	4,160	1,110			6,07
Machani (outored) Boxes								1,000	
Usidost. This	1 1/2					24	164	68	353
Salmon (pickled) Brls. do (fresh in icc) Lba	133	83	122	76	66	62	41		
Pickled I Bris						3 55	42		
	96,800	116,955	95,824	24,386	51,225	7,500	160,230	153,158	61,702
do (preserved in	· ·	1							•
Line cans) Lbs						48,804	62,616	1,440	
Ling cans) Lbs Trout Qtls						37	´ 5	103	
TroutQtls EelsBrls	3		15			35	26	57	56
Eels. Brls. Cod Tongues & Sound						21	17		25
Cod Tongues & Sounds do						12	- '		
Cod Oil Galls						3,051	3,413	4,370	3,40
Fish used as bait and		1	i		1	5,001	3,413	- ,310	J, 4176
Fish used for least	\	Į.			(9,343	6,938	3,331	12,63
Fish used for local con-						0,040	0,730	0,551	12,03
Lobsters do	1		1			1 710	9.720	2 605	0.57
Lobsters (10			4.170	~ ~ ~ ~ ~	F 010	1,716			
Lobsters do			4,176	5,844	5,016	35,2 00	49,112	31,461	
	i	1	1	1	1]	1	i	l

Salmon appeared later than in 1879, the first fish being caught on the 4th June. The total yield was only about one-third that of last year's.

Fly fishing cannot be compared with last year's. This was not owing to any scarcity of fish, there being quite a sufficient number of them for good sport; but they were scattered in every pool, and the lowness and clearness of the water made the fish of the scattered in every pool, and the lowness and clearness of the water made the fish shy and interfered with their taking the fly. The Grand Cascapedia River was well stocked with parent salmon last September, but not so well as in 1880.

Number of Salmon.....

Weight in lbs.

Average weight in lbs.......

	G	RAND	UASO	APEDI	A RIV	ER.				
	1871.	1872	1873	1874.	1875.	1876	1877.	1878.	1879	1880.
Number of Salmon	1,012 23	136 3,100 22 ¹ / ₈	68 1,434 2 ½	418 9,402 23 ¹¹ / ₁₆	269 6,682 21½	369 -8,998 21½	313 7,085 22 ¹ / ₃	305 3,173 16	647 16,288 27	85 1,954 23
	L	ITTLE	CASC	APED	IA RIV	ER.	110 Mr. Wester 1 Pro			
Number of Salmon Weight in lbs	Not	angled	$ \left\{ \begin{array}{c} & 11 \\ & 194 \\ & 17\frac{1}{2} \end{array} \right. $	3 57 17,5	4 120 22	14 210 15	4 84 21	6 200 28‡	21 373 17 ₁₆	$\begin{cases} & \text{Not} \\ & \text{angl}' \end{cases}$

MATAPEDIA AND RESTIGOUCHE DIVISIONS.

0

 $16\frac{7}{8}$

 $16\frac{1}{2}$

JOHN MOWAT, Overseer.

Mr. Mowat reports the catch of salmon in this division as being two-fifth less than during the last six years, and adds that "it may be years again before such another disastrous season occurs. There is no doubt, however, that this fishery will always be subject to fluctuations beyond our power to control, the causes of which we can only theorise. So far as 1879 is concerned, there never was such a promising appearance of fish, both old and young. Why the catch in 1880 turned out so badly has yet to be solved."

The following figures show the yield of this fishery during the season: -

Net fishing.	90,000 lbs.
Caught by settlers for domestic use	4,090 "
do anglers with the fly	6,000 "
do Lower Restigouhe Division, N.B. side	100,000 "
·	
Total	200,000 lbs.

Against 500,000 in 1879.

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.	1880.
No obdo	Salmon Shad. Eels	91 1,057 19,059		1,550 21,932	9,202	114 2,250 11,856	60 1,850 5,317	52 2,450 8,628			500	
do	Sturgeon Doz. Bar & White-	1	1,882	'		-	12	18	14	12	34	13
	fish Brls. Small Fish	1 000				712 92	294 40	338 51	192	591 92	79 7 125	707 96

MURRAY BAY DIVISION.

Ulysse Bhéreur, Overseer.

Ant. Filion,
Jos. Simard,
Etienne Tremblay,

Guardians.

The catch of fish in this division is reported as follows:	
Eels, pieces	18,430
Trout, lbs	78,950
Barrels of mixed Fish.	15 8

LAKE ST. JOHN DIVISION.

JOB BILODEAU,
CHARLES POTVIN,
R. MALTAIS,

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

				<u> </u>			
	1874.	1875.	1876.	1877.	1878.	1879.	1880.
No. of Winnonishdo doz. of Whitefish	7,500 1,162	9,050 440	3,000 350	3,050 286	4,045 390	6,715 3,503	24,730 1,150

The Guardians of this division all agree in stating that Winnonish fishing was very good. The returns show an increase of about four to one, as compared with 1879. It must, however, be borne in mind that a great deal of this increase is due to the fact that returns were more complete than formerly.

SAGUENAY DIVISION.

JOSEPH RADFORD, Overseer.

JOSEPH BOILY, JACQUES GIRARD, Guardians.

Yield of salmon net-fishing for the past eleven years:-

id of beamon working for the past city on yours.	
	No. of Salmon.
1870	. 3,275
1871	. 3,462
1872,	. 3.312
1873	. 2,481
1874	. 2.482
1875	
1875	2.830
1877	. 2.362
1877	2.746
1879	1.849
1880	

The following is the score of angling in the Saguenay Rivers for the past nine years:—

•	1872.	1873.	1874.	1875.	18 76 .	1877.	1878.	1879.	1880.
River Ste. Marguerite, N. W. Branch	112 53 3	125	133 150 75 71 83 Not an- gled. do do	77 55 28 31 39 Not angled. do	25 49 57 25 14 6	159 46 51 8 No returns. Not angled. do	No returns. 63 28 3 7 Not angled. 7 8	51 34 3 9 16 Not angled. 5	16 9 3 6 8 Not angled. do

Mr. Radford states that, according to the reports of the local Guardians, salmon were seen in sufficiently large numbers on the breeding grounds, but that he apprehends that in some rivers, especially in the Ste. Marguerite, heavy rains in the fall must have injured the spawning beds.

GODBOUT DIVISION.

FRANÇOIS DUCHESNE, Guardian.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

	1876.	1877.	1878.	1879.	1880.
Mackerel do Salmon (pickled) do	10	305 4 1 5,754 5½ 200 1,000 100 115 27	219 4 7 27 159 159 2,005 87 100 33 23	38 20 10 42 258 18 405 2,060 9	74 8 160 59½ 500 11 254 1,027

The following is the number of salmon caught with the fly in Godbout River for past eleven years:—

	No or
	Salmon
1870	390
1871	509
1872	27
1873	130
1874	27;
1875	210
1876	213
1877	
1878	
1879	
1880	

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.	1880.
Codfish. Qutls Herring Brls. Mackerel. do Salmon (pickled). do Tront Lbs.	64 44	150 200 80	3 26	96 10 31	20	791 95	3,307 277 4,037	3,082 46 3,528 112	2 88 84	28 66
Trout. (Fresh, in Ice)						44	114	258	234	10 91 70
Porpoise Oil		1,346	300	545		,	1	1,995 1,548		
rure Brls. Fish used for local consumption do							2,404	611	}	332 123

MOISIE DIVISION.

THEOTIME MIGNAULT, Guardian.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

	-											
	1869	187)	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880
								l—-				
CodfishQntls. Salmon (pickled)Brls.												
do (fresh, in ice)Lbs.	022	1104	104	655	204000	60200						
do (smoked) Bxs. Coal Oil											1200	
HalibutBrls.	1000	2120	1000	3300	1040	1100	1000	3030	42	2626		31
Herring do									395			
Herring do Mackerel do										214	54	320
Trout do									$26\frac{1}{2}$	5	3	11
Cod Tongues and Sounds do									1		6	$4\frac{1}{2}$
No. of Seal Skins									20	60	40	30
Seal OilGalls									47	3 35	161	120
Fish used as buit and manureBrls.									1464	1457	604	36 4
Fish used for local consumption do									94	106	105	79
			1	1	1			ĺ				

In Moisie River 124 salmon were killed this season by anglers.

MINGAN DIVISION.

G. L. DUGUAY, Overseer.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Codfish Qntls Herring Brls Salmon (pickled do do (fresh, in ice) Lbs No. of Seal Skins Cod Oil Cod Oil Galls Seal Oil do Whale Oil do Halibut Brls Trout do	3057 727 22006	3431 426 5000 24252 34702	4600 364 4242 7128 28390	4579 217 59489 3987 9247 12570	5710 16 55876 5520 13995 22710	6240 196 3910 5002 21341 21878	320, 1395 20621 6467	3992 398 2971 23515 12273	892 551 11090 20704 44235	265 119 35170 839 36600 3000	232 45 23492 20865 31245
Cod Tongues and Sounds								15 3 13139 350	33		10040 864

NATASHQUAN DIVISION.

G. MATHURIN, Guardian.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

				Committee Commit	1977 TO 1970 TO 1					
	1871.	1872.	1873.	1874	1875.	1876.	1877	18 78 .	1879.	1880.
Codfish Qutls Herring Brls Salmon (pickled) do do (preserved) Lbs	114 298	605	403 150 113,727	420 404 50,000	398 90,000	203 400	501		262 24 8	$ \begin{array}{c} 2660 \\ 166\frac{1}{2} \end{array} $
Mackerel Brls Trout do Tunny							245 7 6½	69 8	7,347 40 3	33
Cod Tongues and Sounds. do Number of Seal Skins	2,118 18,030	1,674	1,781	2.494	1,800	3,876	2,991	4,983 1,042 17,792	52 2,151	2188 1597 10120
manure	l .	ı		ł	į .	1	513 47	289 29		1027

WASHEECOOTAL DIVISION.

WM. McLEOD, Overseer.

Comparative Statement	of the yield of the	Fisheries in	this Division:—
	1878.	1879.	1880.

Codfish	465 quintals. 80 barrels.	862 quintals. 66 barrels.	3,300 quintals. 62 barrels.
Seal Skins	142 pieces. 260 gallons.	750 gallons.	900 gallons.
Fish used as bait and manure			

WATSHESHOO DIVISION.

P.C. GOBEIL, Guardian.

COMPARATIVE STATEMENT of the yield of Fisheries in this Division.

	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Codfish Qntls. Salmon Brls do (fresh, in ice) Lbs	29	380 52	560 33	110 25	865 30	389 45 28	318 22	732 35	1,026 22 60
Number of Garley		4	2 967	519	2 840	163	2 764	185	1 137
Mackard Dris.	[1	329			$250\frac{1}{2}$	3		4
Seal Oil		* : • • • • • • •		•••••		281	1 3,041	308	410
Fish prod do .							158	226	359
Tish need for 1							1,393 49	70 4	96 6
Lobsters, preserved in cansLbs									11,000

PACACHOO DIVISION.

J. LEGOUVÉ, Guardian.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

	1873.	1874.	1875.	1876.	1877.	1878,	1879.	1880.
Codfish Qntls. Halibut Brls. Salmon do Trout do Number of Seal Skins Cod Oil Galla. Seal Oil do Whale (ii) do	200 180 8 1,444 1,574 9,526	955 2 248 2,954	206 37 173 590	426 485 35 310 1,127	3531 221	2,375 504 2,074 1,822 10,568	150 28 1,422 3,700	186 1,431 3,756
Herring Brls. Mackerel do Fish used as bait and manure. do Fish used for local consumption. do					49 1691 2,388 32	118 195 478 17	349	} No

BONNETESPERANCE DIVISION.

W. H. WHITELY, Guardian.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Codfish. Qutls Salmon. Brls. Trout do	4,960 172	136			201		107	
Herring do Mackerel do Number of Seal Skins.	250				240 12		1,000	
Cod Oil. Galls Sed Oil. do Whale Oil . do	6,170 1,160	5,060 2,630	4.357 5,660	8,085	85,975 22,060	10,005 3,800	152,849	188,210 3,980 600
Fish used as bait and manure Erls. Fish used for local consumption do Lobsters, fresh Lbs.					105,050 4,500	47,340	91,000 1,600	42,000 3,000
					0,000			

MAGDALEN ISLANDS DIVISION.

ANT. CHERRIER, Overseer.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

ANTICOSTI DIVISION.

A. MALOUIN, THOMAS GAGNÉ, Guardians.

COMPARATIVE STATEMENT of the Yield of Fisheries in this Division.

Codfish Qntls 9,806 8,303 6,922 12,299 12,487 Herring Brls 4,410 16,214 17,003 5,999 1,470 Mackerel do 18 67 112 12 12 Halibut do 94 164 122 157 146 Salmon, pickled do 72 75½ 97 42 22 Trout do 14 14 9 17 11 Eel do 1 2 3 13 God Tongues and Sounds do 8 35 8 11 6 Seal Skins Pieces 145 356 288 382 321 Seal Oil Galls 318 811 894 920 685 Whale Oil do 2,840 2 6,141 6,515 Fish used as bait and manure Brls 3,636 2,632 3,139 3,377						
Mackerel do 18 67 112 1,410 Halibut. do 94 164 122 157 146 Salmon, pickled do 72 75½ 97 42 22 Trout do 14 14 9 17 11 Eel do 1 2 3 13 Cod Tongues and Sounds do 8 35 8 11 6 Seal Skins Pieces 145 356 288 382 321 Seal Oil Galls 318 811 894 920 685 Whale Oil do 250 2,840 Cod Oil do 5,081 4,935 3,249 6,141 6,516		1876.	1877.	1878.	1879.	1880.
	Mackerel	94 72 14 1 8 145 318 250	16,214 18 164 75½ 14 2 35 356 811 2,840 4,935 3,636	17,003 67 122 97 9 8 288 894 3,249 2,632	5,999 112 157 42 17 3 11 382 920	1,470 146 22 11 13 6 321 685

ST. FRANCIS AND LAKE MEGANTIC DIVISIONS.

W. C. WILLIS, J. B. McDonald, J. F. Picotin, Guardian.

Overseer Willis reports the catch of fish as good during the early part of the season; but, owing to the long-continued droughts and consequent low water, a general falling off soon took place. Small streams became totally dry, thereby

causing great destruction of trout. The St. Francis River was never known to be so low as during the months of July, August and September of last season. Three or four salmon were seen at Brompton Falls about the 1st of July, but no fish could possibly ascend the river after that date. Six nets were confiscated for illegal fishing.

OVERSEER McDonald reports that, owing to protection, lake trout is increasing in Lake Megantic. The dry weather produced the same effect on fish in his division as in Overseer Willis'. The water kept very low, and this spoiled the sport of

anglers.

MR. PICOTIN reports that the yield of fisheries in his division was satisfactory, considering the very unpropitious weather. Several salmon were seen ascending the St. Francis. Bass and pickerel were also noticed in large quantities. This Overseer was instructed during the season to visit Nicolet River. He reports this stream as being well stocked with bass, pickerel, pike, maskinonge and eels. The fishing practised in this river is generally with hook and line. There are four mill-dams, all unprovided with fish passes.

MISSISQUOI BAY DIVISION.

P. E. Luke, Overseer.

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division.

	1876.	1877.	1878.	1879.	1880.
Value of Fishing Boats and Nets do Shad	\$ cts. 778 00 267 00 450 00 60 00	\$ cts. 442 00 256 00 960 00 250 00 1,778 00	\$ cts. 530 00 366 20 1,670 00 270 00 2,836 20	\$ cts. 438 00 400 00 480 00 136 00	\$ cts. 495 00 308 50 832 00 116 00 1,751 50

IBERVILLE DIVISION.

J. B. CHEVALIER, Overseer.

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division.

		1877.	1878.	1879.	1880.
Eels Sturgeons	No. Brls. do do do	41,135 32 841 1,308 477	46,355 16 915 1,474 560	38,144 117 139 288	21,100 40 15 522

CHAMBLY DIVISION.

H. W. Austin, Overseer.

The yield of fisheries in this division was indifferent, owing to the unusually cold spring and early fall, closing the rivers a full month before the usual time.

BERTHIER AND SOREL DIVISIONS.

 $\left. \begin{array}{l} \text{Pierre Latraverse,} \\ \text{Olivier Lafleche,} \end{array} \right\} \textit{Guardians.}$

COMPARATIVE STATEMENT of the Yield of the Fisheries in this Division.

Kinds of Fish.		1878.	1879.	1880.
Shad Eels Sturgeon Whitefish Maskinongé Bass Pickerel Pike Mixed Fish	No. do Brls. Doz. No. Brls. do do	1,000 7,500 25 30 60 18 20 60 20	2,440 9,030 67 50 60 70 136 6 165	1,250 17,000 45 125 8 140 55 30

JOLIETTE DIVISION.

P. C. DUCHARME, Overseer.

This Overseer estimates the catch of fish in his division as follows:-

Eels	No.	2.400
Maskinongé	do	240
Bass	$\mathbf{Brls}.$	30
Pickerel	ďο	50
Pike	do	70
Trout	Lbs.	45,400
Mixed Fish	Brls.	200

TERREBONNE DIVISION.

T. J. LORANGER, Jos. LAUZON,

These officers report a falling off in the yield of fisheries in this division owing to indiscriminate and illegal fishing carried on in previous years.

MONTREAL DIVISION.

JOHN MORRIS, Overseer.

The fish caught in this division are reported to be as follows:-

Eels	No.	10.200
Maskinongé	do	272
Bass	Brls.	70
Pickerel	do	80
Pike	do	70
Mixed Fish	do	320

HUNTINGDON AND CHATEAUGUAY DIVISIONS.

WM. CLYDE,
JOACHIM LABERGE,
J. D. McMILLAN,
J. T. COUGHLAN,

The fish caught in these dvisions are generally used for home consumption, a small portion only being sent to Montreal markets. The season as a whole was not favorable for good fishing, although the decrease in the catch is not considerable. The Chateauguay Overseer reports that young bass, pickerel and maskinonge were noticed in large numbers in the waters of his division.

LAKE OF TWO MOUNTAINS DIVISION.

Jos. I. LAMOUREUX, ROBT. W. JONES, Overseers.

The catch is reported as follows:-

Eels	No.	4.200
Maskinongé	do	268
Bass	Brls.	36
Pike	do	73
Pickerel	do	170
Mixed Fish	do	565

OTTAWA AND GATINEAU RIVER DIVISIONS.

Joseph Marion, James Mohr, Overseers.

Fishing is reported to have been about the same as last year. The fisher laws and regulations were fairly observed, only a few cases of illegal fishing having occurred which were speedily detected and punished.

APPENDIX No. 8.

Schedule of Salmon Angling in the leased Rivers of the Province of Quebec and New Brunswick, during the season of 1880.

Names of Rivers.							
Ste. Marguerite, N.E. Branch 9 136 14 25 12 12 12 14 20 12 12 14 20 12 15 15 15 15 15 15 15	Names of Rivers.	No. of Salmon.	Total Weight.	Average Weight	Weight of the largest Fish.	eight of smallest F	Remarks.
Ste. Marguerite, N.E. Branch 9 358 14 255 12 12 12 12 14 20 12 12 12 12 15 15 15 15	Du Gones						
Ste. Marguerite, N.E. Branch 9 136 14 25 12 12 12 14 20 12 12 14 20 12 15 15 15 15 15 15 15	Murray			001			No returns.
A Mars. N. W. do	Ste, Marguerite N.F. Bronch						
Amars	do NW do						
Anse St Jean 66 96 16 18 14 Not angled. Laval. Sault an Cochon Laval. Sault an Cochon Laval. Sault an Cochon Coch	4 Mana						
Sault au Cochon	Little Saguenav			1	1		
Laval Cochon Codbout	anse St Jean				1		
Godbout. 164 2,377 14½ 30 7 Trinity 8 114 14 27 13 Romaine 25 550 72 13 Mingan 6 108 18 Anglers left early. Mistassini Becscie Not angled. Manitou do Moisie Not angled. Kegashca 124 2,697 273 42 15 Kegashca 124 2,697 273 42 15 Matsheeshoo 6 72 12 do Washeecootai 352 25 8 Washeesootai do 41 4 13 8 Ste Anne des Monts 57 1,129 193 40 8 Magdalen 24 360 15 8 York 13 242 182 27 16 4 Grilse, weighing 16 lbs. St John 25 438 17½ 23	Sault au Cochon		00	10	1		Not angled
Trinity	Gaval						
Romaine	Tri-	164	2,377	144	30	7	40
Mistassini	Romity	8					
Mistassini	Minaine	25	550	22			
Becscie	Migta.	6	108	18			Anglers left early.
Manitou do Moisie 124 2,697 273 42 15 do Kegashca 199 4,378 22 0 0 0 St. John 199 4,378 22 0 0 0 Watsheeshoo 6 72 12 0 0 0 Washeecootai 30 367 121/3 21 7 1 Little S. W. Bic 2 21 10½ 13 8 8 Ste Anne des Monts 57 1,129 192/3 40 8 8 Magdalen 24 360 15 40 8<	Regardini		·				
Moisie	Manita			ļ			
Kegashca 124 2,697 273 42 15 do St. John 199 4,378 22	Moisio						do
St. John. 199 4,378 22 do Natashquan. 352 25 8 Washeeshoo. 6 72 12 do Washeecootai. 30 367 12½ 21 7 Little S. W. Bic. 2 21 10½ 13 8 Ste Anne des Monts. 57 1,129 19½ 40 8 Magdalen. 24 360 15 27 16 4 Grilse, weighing 16 lbs. St John. 25 438 17½ 27 16 4 Grilse, weighing 16 lbs. St John. 25 438 17½ 23 10½ 870 lbs. trout, Grand. 13 229 17½ 23 10½ 870 lbs. trout, Grand Pabos 10 125 12½ 28 14 Not angled. Little Gascapedia 22 294 14 29 No returns. Grand do 85 1,954 23 39 N	Keral	124	2,697	273	42	15	}
Natashquan 352 25 8 Watsheeshoo 6 72 12 0 Washeecotai 30 367 123/3 21 7 Little S. W. Bic 2 21 100/2 13 8 Ste Anne des Monts 57 1,129 193/2 40 8 Magdalen 24 360 15 27 16 4 Grilse, weighing 16 lbs. St John 25 438 17½/2 870 lbs. trout. 870 lbs. trout. Grand 13 229 173/2 23 10½/2 Grand 41 697 17 23 10½/2 Grand Pabos 10 125 12½/2 28 14 Little do 80naventure 22 294 14 29 No returns. Little Cascapedia 27 567 33 11 33 14 Upsalquitch 54 629 21 64 64 64 64 </td <td>St. John</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>do</td>	St. John						do
Watsheeshoo. 6 72 12 25 8 Washeecootai. Washeecootai. do do Matane. 30 367 12½ 21 7 Little S. W. Bic. 2 21 10½ 13 8 Magdalen. 24 360 15 4 Grilse, weighing 16 lbs. York. 13 242 18½ 27 16 870 lbs. trout. St John. 25 438 17½ 870 lbs. trout. Grand. 13 229 17½ 23 10½ Grand Pabos 10 125 12½ 28 14 Little Gascapedia 10 125 12½ 28 14 Little Cascapedia 22 294 14 29 Little Cascapedia 27 567 33 11 Upsalquitch 54 629 21 64 Restigouche, Lower Division 127	Natasha	199	4,378	22			
Washeecotai 6 72 12 do Matane 30 367 121/3 21 7 Little S. W. Bic 2 21 101/2 13 8 Anne des Monts 57 1,129 192/3 40 8 Magdalen 24 360 15 0 8 York 13 242 182/3 27 16 870 lbs. trout. St John 25 438 172/3 23 102 870 lbs. trout. Grand 13 229 17/3 23 102 10s. trout. Grand Pabos 10 125 122/2 28 14 14 29 14 29 14 14 29 14 14 29 14 14 29 14 14 29 14 14 29 14 14 14 14 14 14 14 14 14 14 14 14 14	Watshood	352			25	8	
Matane 30 367 121/3 21 7 Little S. W. Bic 2 21 10½ 13 8 Ste Anne des Monts 57 1,129 19½ 40 8 Magdalen 24 360 15 27 16 4 Grilse, weighing 16 lbs. York 13 242 18½ 27 16 870 lbs. trout. St John 25 438 17½ 23 10½ Grand 13 229 17½ 23 10½ Grand 41 697 17 28 14 Grand Pabos 10 125 12½ 28 14 Little do 22 294 14 29 Not angled. Little Cascapedia 7 7 767 33 11 Upsalquitch 54 629 21 6½ Restigouche, Lower Division 127 2,059 31 7½ do Middle do<	Washeeshoo	6	7.2	12			
Little S. W. Bic. 2 2 11 10 1 12 1 1	Matano						do
Ste Anne des Monts 2 21 10½ 13 8 Magdalen 24 360 15 40 8 York 24 360 15 40 8 St John 25 438 17½ 870 lbs. trout. 870 lbs. trout. Dartmouth 13 229 17½ 23 10½ Grand 41 697 17 870 lbs. trout. 870 lbs. trout. Grand Pabos 10 125 12½ 28 14 Little do 0 10 125 12½ 28 14 Little Cascapedia 0 85 1,954 23 39 No returns. Grand do 85 1,954 23 39 No returns. Matapedia 27 567 33 11 Upsalquitch 54 629 21 6½ Restigouche, Lower Division 127 2,059 31 7½ do Middle do<	Little 9 TF						1
Magdalen 57 1,129 133 40 8 York 13 242 182 27 16 4 Grilse, weighing 16 lbs. St John 25 438 17½ 8 870 lbs. trout, Dartmouth 13 229 17½ 23 10½ Grand 41 697 17 20 Grand Pabos 10 125 12½ 28 14 Little do 85 1,954 23 39 No returns. Grand do 85 1,954 23 39 No returns. Matapedia 27 567 33 11 Upsalquitch 54 629 21 63 Restigouche, Lower Division 127 2,059 31 7½ do Middle do 77 1,268 33 7½	Ste Ann. Dic						
St John	Magdolon des monts				40	8	
St John 25 438 17½ 27 16 4 Grisse, weigning 16 lbs. Dartmouth 13 229 17½ 23 10½ Grand 41 697 17 3 10½ Grand Pabos 10 125 12½ 28 14 Little 0 22 294 14 29 Not angled. Little Cascapedia 22 294 14 29 No returns. Grand do 85 1,954 23 39 No returns. Watapedia 27 567 33 11 Upsalquitch 54 629 21 62 Restigouche, Lower Division 127 2,059 31 73 do Middle do 77 1,268 33 72	1 Ork					·····	
Dartmouth. 25 438 172 3 102 10 108. trout, Grand. 41 697 177 10 125 12½ 28 14 Not angled. <t< td=""><td>St John</td><td></td><td></td><td>188</td><td>27</td><td>16</td><td>4 Grilse, weighing 16 lbs.</td></t<>	St John			188	27	16	4 Grilse, weighing 16 lbs.
Grand Pabos 10 125 12½ 28 14 Little do Sonaventure 22 294 14 29 Not angled. Little Cascapedia Woreturns. Grand do 85 1,954 23 39 No returns. Matapedia 27 567 33 11 Upsalquitch 54 629 21 62 Restigouche, Lower Division 127 2,059 31 73 do Middle do 77 1,268 33 72	Dartmond			175		101	
Little do	Grand.			173	1	, -	
Bonaventure	Grand Pabos						•
Designation Color	Little do	10	125	142	20		Not angled
Grand do 85 1,954 23 39	20119 Von 4	22	294	14	29		not angicu.
Matapedia	Cascapedia	l	201		i		No returns.
Upsalquitch 27 567 33 11 Upsalquitch 54 629 21 62	Mand do		1.954	23			lio rotaras.
Hestigouche, Lower Division 127 2,059 31 72 do Middle do 77 1,268 33 72						11	
do Middle do 77 1,268 33 75	Restiquitch.						
A MINUTE UT 11 1,200 (Lower Division	127				73	
		77			33	73	
Piter (Anticosti)	Junitar Lower do	112	1,629		37		·
	Anticosti)	20		163			Also 190 trout, weighing about 1
40, W M.	-9. W 14.			7			lbs each.
S. W Miramichi. 20 lbs each. 30 Grilse.	Nepigeignit						
Nepissiguit 20	r-sorguit	29					40 do
	_						
Total	Total	1,717	23,302	$13\frac{1}{2}$	42	$6\frac{3}{4}$	

APPENDIX No. 9.

REPORT OF W. H. ROGERS, Esq., INSPECTOR OF FISHERIES FOR THE PROVINCE OF NOVA SCOTIA, FOR THE YEAR, 1880.

AMHERST, 31st December, 1880.

Hon. J. C. POPE, Minister of Marine and Fisheries, Ottawa.

SIR,—I have the honor to submit my Annual Report on the Fisheries of Nova Scotia, for the year now ending, together with the statistics, which show an increase in the value of fish taken of \$538,125 over the previous year. The prices at which this aggregate is made up is, in most cases, somewhat above that obtained by the fishermen; but as the prices of fish fluctuate more or less year by year, and, as there is considerable difference in prices ruling in different parts of the Province, it is difficult to obtain a correct rate, I have, therefore, adopted a uniform price for each item, and continue it, because this will the more readily indicate the increase or decrease of

the quantity of fish taken year by year throughout the Province.

Although \$6,291,061 may seem to be a large amount as an annual yield for this Province, I am well satisfied that we have, for various reasons, never yet been able to obtain within from a-half to three-quarters of a million of dollars of the true value of fish taken in Nova Scotia. I am, of course, making my estimate upon the basis of prices given in the returns each year. The accompanying table giving the value of fish caught in each County during twelve years, since 1867; also, the aggregate of the entire Province, during the same period, proves pretty clearly that our fish farm is losing nothing of its productiveness, but is rather improving, despite the many slovenly and destructive practices pursued by fishermen. These evils, so often refer. red to in our annual reports, are being considerably reduced under the laws and management of your Department, and many of the fishermen themselves are beginning to realize the value and importance of wise and wholesome laws for increasing the productiveness of this great industry.

There is no better moral educator than wise laws, even when not rigidly enforced. The very knowledge of their existence, with a staff of officers to enforce them, has not only an educating and moralizing effect, but secures a continued increasing respect for and obedience to their provisions, which is rarely taken into account by the general public. That this is true of the fishery laws in this Province is quite noticeable to those more immediately interested, whether they are all willing to

believe it or not.

Up to the year 1867, the management of our fisheries was in the hands of the General Sessions of each County. Wardens were annually appointed to look after them and to enforce the laws, but were paid nothing for their services, hence nothing what ever was done; poachers plied their calling without let or hinderance; mill-dams were unprovided with fish ways; there was not a single pass in any of the hundreds of mill-dams, which effectually impede the ascent of all kinds of fish; mill refuse of every kind was thrown into the streams, and there were none to object or find fault, as there were then no salaried officers to warm into being the numerous disinterested patriots who have been besieging and flooding your office with all kinds of information regarding the wanton destruction of the fisheries, and the criminal neglect of the officers paid for looking after them. At the same time, the patriotic industry of

these self-sacrificing gentlemen may have led to more vigilance in certain places. The undersigned cannot say that he was either disturbed or enlightened by their lucubrations. That great and many improvements, however, have been thus far made in respect to former abuses and neglects, no intelligent man who desires to speak the truth can deny; nor am I disposed to say that there is not still room for much improvement in the future. On the contrary, I believe, with proper management, based upon an intelligent, practical knowledge of the necessities and capabilities of the fisheries of this Province, their productiveness may, in a very few years, be more than doubled in value. That one of Nova Scotia's richest, if not the very richest, natural endowments is her inexhaustible fisheries, no person can question, but, like her other invaluable wealth producing resources, her own sons seem to be the slowest and last to either fully appreciate or take proper advantage of.

An improvement in curing, packing and properly preparing fish for the various markets of the world is very much needed. In this art our fishermen are much behind most other countries. More care in this direction would naturally improve

their market value, as well as secure a more ready sale.

An idea has been pretty generally held that the larger portion of our fish are caught at long distances from our shores, and that our returns do not furnish a fair criterion by which to judge of the value of our shore and coast fisheries; but a glance at the number of men employed in vessels and boats, the former being but 6,478 men, while the latter employed 22,789 last year, will settle that matter. The shore fishing is mostly but not entirely conducted with boats, which are employed mostly during the whole spring, summer and autumn seasons, while the schooners are much of their time on their way to and from their fishing grounds, and often employ a portion of their time in the coasting trade, consequently do not really catch as many fish per man as those employed in boats. A portion of the vessels are really engaged in the coast or shore fisheries of our own Province. I should think that from 85 to 90 per cent of our fish are taken within the three-mile-limit.

IMPEDIMENTS TO THE INCREASE OF THE FISHERIES.

Under this head may be grouped a great variety of preventable practices and Obstructions to the increase of the fisheries in this Province as well as those, which at present appear to be almost or quite impossible of removal. In discussing or pointing out the latter class of evils, I may refer to the universally acknowledged fact that, as the country becomes settled and the wilderness cleared from the water sheds, towns and villages multiplied, the size of the rivers is not only largely curtailed in consequence of the increased evaporation, but they are subject to heavier and more rapid fluctuations in the height of the freshets, and, worse than all, the water necessarily becomes more and more impure and obnoxious to the fish as civilization advances and

manufacturing and other enterprises multiply.

Many of the smaller streams which formerly, when shaded with bushes and Overhanging trees, were the homes of myriads of valuable fish, are now entirely dried up, and instead of producing fish, their beds are cultivated, producing hay and other crops to the agriculturist. Happily this class of unavoidable evils is being largely offset by the discoveries of modern science and art, which will be referred to when discussing preventable impediments further on. In the class of unpreventable evils, I think we may include the habit of throwing fish offal into the water on the fishing grounds, at least outside of the three mile limit, which all admit is very destructive to the fisheries in the localities where practiced. Within the three miles it is possible to curtail the practice, but it would be attended with large expense. What is true of this practice is equally true of trawl fishing, and the effectual prevention of both (and I might include the use of "purse seines" in mackerel fishing), would be of the greatest possible advantage to the fisheries. Ism not quite sure, however, but that trawl and might include the could be effectually probabilited by an international trawl and purse seines fishing could be effectually prohibited by an international treaty, with proper laws for the enforcement of its conditions, enacted and enforced in and enforced in an end in an in each country interested. The injurious effects of necessary appliances for and

modes of taking one kind of fish, upon other branches of this industry, is another class of evils which seems almost impossible to remedy, without injury or interference with either. The effect of the mode and appliance used for taking and packing lobsters, upon the herring, salmon, mackerel and other fisheries, is a case in point, and is referred to from time to time in the reports of the local Overseers. Seining for mackerel and salmon net fishing, which in many localities it is necessary to conduct on the same grounds and at the same time, are irreconcilably antagonistic the one to the other, in some localities causing considerable difficulties and contentions between the different fishermen interested. This, however, is not so serious a matter as the others alluded to, because the salmon fishing is generally pretty well advanced in these localities before the mackerel make their appearance, and the latter being the most valuable and important, the former have to yield the ground by removing their nets.

The practice of leaving herring and mackerel nets set during the day time is also a very serious evil, and one which, in most cases, is difficult to remedy. Upon this I have prepared a special report, having during last spring sent a circular to the different Overseers asking their views as to the desirability of enacting a law to prohibit the practice throughout the Province. My report and the views of the Overseers will convey to you my views as to what is best to be done to remedy as far as possible this practice.

PREVENTABLE IMPEDIMENTS.

Under this head there is a field for a wide range of discussion, because the evils existing are numerous and many of them very destructive, while there is no good

reason why the majority of them should exist at all.

The most destructive and inexcusable of them all is poaching, which is conducted by the most enterprising, recklessly daring and ignorant part of the population. This business is, however, on the decline, as it is becoming unprofitable, hazardous and exceedingly unpopular, under the influence of the rebukes it receives from time to time.

The wanton destruction of young fish by careless and slovenly modes of fishing practiced in some branches of the fisheries, is another serious evil which should not be continued, because comparatively easy of remedy. If the fishermen interested fully realized its destructive results, they would very soon find means to avoid it in most cases. I am happy to be able to say, however, that much interest is now being felt in the matter, and this evil is being also remedied, and will, I hope, soon disappear altogether. It is difficult to frame or enforce laws to prevent the practice in most cases.

Another very injurious practice, but not so generally indulged in as formerly, is the habit of throwing fish heads and other garbage into the harbors and bays. There is no necessity whatever for doing this, because in most cases it can be put upon the land as a fertilizer. The law prohibits this practice, and is enforced to some extent, so that this evil is also gradually giving way, and ere long will be, no doubt, entirely discontinued.

Mill rubbish, with the exception of saw-dust, which is of little consequence as it

relates to the fisheries, is kept out of the streams generally in this Province.

Nova Scotia has a coast line of between twelve and thirteen miles, indented its entire length with harbors and bays, into which innumerable streams and outlets of lakes empty. The larger of these are pretty generally obstructed by mill dams which are mostly supplied with wooden fish ladders of the old pattern, which at best only provide a partial or limited means for the passage of fish. Also, such rivers as the Grand, in Richmond County, the Avon, in Hants County, the Sissaboo and Montagon, in Digby County, are obstructed near their mouths with impassable natural falls, varying from fifteen to thirty feet in height; but with a moderate outlay of money could, with my new fishway, be rendered quite as easy of ascent as any other portion of the river. Many of the smaller streams visited annually by

alewives, smelts, sea-trout, eels, &c., are obstructed at their mouths by stones and gravel beaches often thrown up by the action of the sea, which could also be much improved by a moderate expenditure. Then there are many places on branches of the larger rivers and head waters of the smaller streams very seriously obstructed by the accumulation of dead trees and other rubbish, the removal of which is very desirable, and would tend much to improve and increase our annual fish crop. The removal of the preventable evils above alluded to would tend much to offset those which are not so easily overcome. I am quite sure that if the Legislature fully realized the importance and value to the country which the expenditure of a few thousand dollars each year for the purposes above mentioned would prove, the necessary funds would be provided forthwith. I feel quite safe in predicting that, as a result of so thoroughly opening the dams on the Liverpool River last year, by the construction of the new fishways, there will be a crop exceeding by many thousands of dollars annually that produced for forty years previous, and thus yield to the people of the county more than ten times the cost of the improvement each Year. This is designed by the God of nature to be a fish country, and nothing but inexcusable negligence on the part of the people and Government can prevent it from producing an inexhaustible supply of the ocean's natural wealth year by Year. I propose in future to devote a portion of my time in talking to the people in the way of public addresses in relation to the matters referred to in this report, with the view of interesting and securing the co-operation and intelligent influence of the people in general and the fishermen in particular. This will go far towards strengthening the hands of the officers of your Department in enforcing the laws and in putting down existing abuses in every possible way.

There are still other abuses which might be referred to, but I fear my report will be considered sufficiently lengthy on this phase of the subject, and will now proceed

to the consideration of other points of importance.

SALMON.

The decline in the quantity taken of these fish, as shown by our returns from year to year, is mainly the result of over fishing during the past ten or twelve years, which has been stimulated by the rapid modes of transporting fresh fish to distant markets, and a consequent increase in price. The results are that where there was one salmon net set twelve or fifteen years ago, there are probably fifteen to twenty now. Almost every man that can obtain twine and a place on the coast to set his net has one. This cannot be wondered at when it is known that during the salmon fishing season, on much of the western coast of the Province, an average sized salmon will purchase a barrel of flour for the poor fisherman, and will sell for the cash as soon as landed. In proof of this, I may state here that a poor family living on the Medway River in the month of March last, being in a state of want and almost suffering for food, set their net in the river near by their house and in the morning had four fine salmon, which were sold at once for \$32, sufficient funds to buy five barrels of flour. Under such circumstances as this it is almost impossible to curtail the extent of the fishing, but we must address ourselves to the work of removing, as far as possible, all obstructions to the ascent of these fish to their spawning grounds, and aid nature as far as possible by increasing artificial hatching establishments such as that at Bedford. There has, however, been an uncommonly small crop of salmon this year in all parts of North America, the causes for which must be of a general nature and not local. It will be noticed, by referring to our returns from year to year, that by far the largest decrease in salmon is in those salted in barrels, which are all taken in the eastern counties, in Cape Breton and on the Labrador coast, where the rivers are neither obstructed by mill dams or afflicted with sawdust or poschers to any extent.

ALEWIVES.

As you are already aware, these fish have, from unknown cause, yielded during the past few years but a very small return, the whole Province producing in the years:

1877, but 5,433 bbls. 1878, 5,738 " 1879, 9,489 " 1880, 16,148 "

In consequence of the rapid falling off from the years 1874 and 1875, when we caught from 13,000 to 14,000 bbls., much complaint was raised against mill dams, fish ladders, sawdust, and fishery officers, and all sorts of local causes were assigned as a reason. The utter ruin of this valuable and important branch of our fisheries was confidently predicted by men who fancied they knew all about the matter. The undersigned, however, contended that these, like other fish, were subject to general movements for which no certain reason could be assigned and that their return might be confidently looked for at an early date and in great abundance. Accordingly here they are in greater abundance than at any time during the past fifteen years or so. Next year I confidently look for a yield of over 20,060 barrels. This improvement I claim to be the result of fishways and protective laws during the past twelve or thirteen years. For the same reasons, there is little doubt but that the salmon fisheries will also begin rapidly to show a like increase.

The importance of these fish has often been pointed out in former reports and cannot be too strongly urged. No branch of our fisheries is so susceptible of extensive expansion. Our inland waters, lakes, brooks and rivers, are both numerous and extensive into which these fish press their way during their spawning season, with wonderful perseverance, and it is surprising to see them pushing their way up through little brooks where there appears to be scarcely enough water for any kind of fish. They usually spawn in lakes and still waters, their instincts seeming to lead them to brooks and streams which lead to them; hence it is very important that their

outlets should be kept as free as possible from all kinds of obstructions.

Besides being valuable as a bait for line fishermen, they attract cod and other fish near the shores in spring, and their young fill the harbors and bays in fall months when descending the streams, when mackerel rush in from the coasts to feed upon them.

As a market fish they are pretty uniform in demand and price, finding a ready sale in the West Indies, as they can be carried further south than other pickled fish.

SHAD.

The catch of these fish was somewhat smaller than the previous year, but prices ruled higher in the United States, so that the profits to the fishermen and all concerned were greater than the year before. I am looking for a large increase in this fishery, for reasons stated in former reports. The facilities for artificially cultivating them in Nova Scotia are first class, and the work ought to be engaged in as soon as possible.

Some of the modes adopted for taking shad are both destructive to the fishery and difficult to remedy. An account of the great rise and fall of the tide, brush weirs are extensively used, which destroy the young fish in large numbers. A netting in the bunt or lower part of the weir has been tried, but is only a partial remedy, as it very soon gets choked up with the large fish and the small ones cannot pass out.

LOBSTERS.

These fish have been plentiful, and a fair quantity has been packed, as will be seen in our statistics. The present close time, according to the reports of the Overseers, is not satisfactory to the fishermen, many of whom depend largely upon the

returns they get from the fall catch to buy supplies for the winter. The present close time entirely deprives them of this source of income. I think that from the 10th July to the 10th September would afford all the close time required to fully preserve them from decrease in any part of the Province, and would give two months of fall fishing when the fish are as good as in any period of the year. At present the season for fishing is very short, especially in the eastern part of the Province and in Cape Breton, where the ice is often blown in on the shores until late in the season and no fishing can be done. The ten days' extension of time given this year was not as great a boon as was expected. Lobsters seemed to have moved off the shores, or for some cause but few were taken.

MACKEREL.

Mackerel were quite plentiful on many parts of the coast. The catch was nearly 25,000 barrels in excess of the previous year, but the quality was inferior and prices very low, consequently the profits were small.

There was also a small increase in the quantity of cod, herring and smelts

caught, as will be seen by the returns herewith.

FISHWAYS.

Three new ones have been constructed during the past season on the plan of my new patent; one on B. Young & Co.'s dam on River Hebert in this county; one on Shankles dam at Hubbard's Cove; and one on Chisholm's dam on East Sheet Harbor River, in Halifax County. Also, the old ladder on Black Bros. & Co.'s dam at Moses River was rebuilt, mostly after the new model, and the Warden reports fish ascending at last fall. One of the ladders on Mr. Davison's lower dam on the Lahave River, in the County of Lunenberg, was also rebuilt and extended up into the pond on the new Principle, as far as it could be without building it entirely new. A new fishway was also put in a dam on the Middle River, near Chester. In this case a natural brook or by-water was made round the end of the dam, as local circumstances favored such an arrangement.

THE NEW FISHWAY.

As will be seen on reading Mr. Sellon's and some others of the reports, this fishway is giving full satisfaction wherever put in the dams. Itis being generally endorsed by the Commissioners of Fisheries and others in the United States. I have had much correspondence regarding it, and there seems to be no two opinions regarding its effectiveness. The press, too, have published cuts and favorable editorial notices of it in many States of the Union free of any cost. Some of the State Commissioners are publishing cuts of it in their annual reports to their Governments, with a view, as the contraction of the way of fishways.

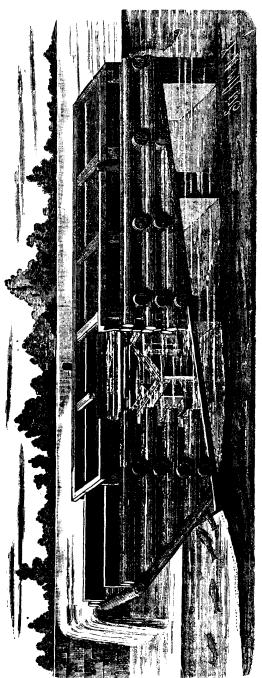
as they put it, of showing something practicable in the way of fishways.

I so fully described it in my last year's report, that it will be unnecessary to repeat it here. The fishway is shown resting against the pickets on the upper face of the dam, through which an opening five feet wide and four feet high is made to receive the lower end of the ladder. The breaks, or buckets, may be seen through the temporary opening in the side; these I usually make four feet high, thus providing a channel four feet by five, with a still pond of water behind every bucket; and an opening through which the waters pass down and the fish pass up—fourteen inches wide by four feet in height. The opening in the upper end of the ladder provides for a rise or fall in the pond of say three feet, and when the pond settles below that, the gates in the sides will admit the fish at any height of water, so that all the difficulties heretofore met with in passing fish over mill dams are fully met and overcome. No matter how wide the river, one ladder will allow all the fish ascending to pass up about as readily as if no dam existed.

This fishway should be adopted as the legal fishway for this Dominion, and a law enacted compelling all parties constructing new dams to build one into them,

when it can be done much more cheaply and effectually. If this is done it will save much trouble and expense in future, especially in our great North-West, where so many mills are sure to be put up as the country becomes settled. This should also be done in the older Provinces. As far as Nova Scotia is concerned, I am putting them in, and intend to as fast as I can get them built. But there are some very important places in the Province, which I think, in order to save time, this should be done at public expense. I refer to cases where the old ladder exists and the mill owners have been put to large expense already in building and maintaining them. A small sum voted by Parliament each year for this special purpose, would be money well expended, and yield, eventually, large returns to the country. I regard this as the most important part of our work, at least in this Province, the rivers being small and mill dams numerous.

The following cut will give a fair idea of this flshway:—



SYNOPSES OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF NOVA SCOTIA, FOR THE YEAR 1880.

ANNAPOLIS COUNTY.

OVERSEER W. T. CARTY, of Tupperville, reports that, although greater efforts have been made by the fishermen this year than last, there is a falling off. He thinks this may be attributed to the great amount of trawling carried on in the mouth of the Bay. The herring fishery in the Annapolis and Digby Basins has exceeded in quantity that for many years, but they were very small. They came into the Gut in great abundance, and the weirs near the mouth of Bear River were completely packed, notwithstanding the fact that the gates were large and kept open. In the latter part of October many hundreds of barrels grounded. He thinks it advisable to have the weirs taken up by the 15th September. Many of the fishermen are also desired. desirous of this. Sawdust and mill rubbish have not polluted the waters of Bear River this fall, and this is looked upon as the cause of the herring leaving that particular locality in previous years. He hopes that it will not prove fatal to the

The fishways are in fair order, but there is great trouble in properly protecting them. The greatest amount of poaching is done in the night, and the Wardens refuse to watch them. One might travel all over the Annapolis River and its tributer of the state taries in daylight and not find a single violation of the law. He spoke to Warden Baily about watching Round Hill stream, and the results may be seen in his statement He believes that were Wardens allowed half the fines and forfeitures, the fisheries would be more faithfully attended to. There seems to be a large crowd of wilful violators of the law that infest the salmon streams in the county and extra means have to be made use of to arrest them. The stream from the old fishway on the Round Hill stream, since the saw-mill has been replaced by quite an extensive pail factory, does not seem to attract the salmon. They all go up the east brook where the waste water empties. He recommends that the old fishway be closed and a new one be put in at the wasteway on the east brook.

ANTIGONISH COUNTY.

OVERSEER JOHN McDonald, of Doctor's Cove, reports that while his returns show a falling off in the catch of salmon, cod and hake, the total value of the fisheries is greater than the previous year, owing chiefly to a larger catch of mackerel and lobsters. He can assign no reason for the falling off in the catch of salmon. In August he visited the Warden and inspected the fishways within his limits, and found the latter all in good order, except the one on Fraser's mill dam and the one at Munch. Murphy's. He thinks they had not better be rebuilt on the old principle, as they are not efficient for all purposes, but that the Department will instruct Mr. Rogers to have them rebuilt on his new model, of which Mr. McDonald states he highly

He has little to say of abuses, except in one case when a complaint was made, and the necessary papers served; but the complainant did not follow up the case, and

consequently a judgment was entered against him for costs.

He has had considerable trouble in granting licenses and arranging the berths for the salmon fishermen along the coasts. The number of licenses granted and the amount of fees collected can be ascertained by referring to the return of duplicates. There has been some dissatisfaction between the lobster and salmon fishermen of Cape George, but the matter has been satisfactorily settled.

CUMBERLAND COUNTY.

OVERSEER JAMES KING, of Amherst, reports a small increase in the salmon fishery this year over that of last, both as regards the catch and the numbers in the rivers during the spawning season. Herring were quite plentiful in the early part of the

season, but the small catch is accounted for by the fact that two of the largest weirs in the district were not put in. Alewives were very plentiful this season and a pretty large increase is noticeable. The cod fishery shows a decrease, but as they left early the hake fishery continued for some time, and consequently shows an increase. There is a large decrease in shad this season. They came in the bay quite early in very large quantities, but in a few days seemed to leave and did not again return in any considerable quantities. This decrease in shad, and the two large weirs above-mentioned not being used, show a small decrease in the returns this year. The people are becoming better acquainted with the fishery law, and are not disposed to violate it as before. This leaves no fines to report this year. The fishways in this section are in a fair state of repair, taken as a whole. There is a new one on the River Hebert, built by B. Young, Esq., which is likely to be a success.

COLCHESTER COUNTY,

Overseer Henry Blair, of Truro, reports that there has been no violation of the law in his division. The only real trouble has been with mill rubbish. Shad have been less plentiful this year than last, still the catch has been very good. Salmon were scarce in the Bay of Fundy this summer. The rivers were so low early in the season that none got up. In November there were two fine runs and the rivers were in a good condition for them to get to their spawning grounds. He reports alewives plentiful this season, and thinks with proper protection it will be a very valuable fishery. He says there are no fishways in his division and thinks this should have attention as soon as possible.

Overseer Henderson Gass reports that the salmon fishery has been almost a total failure, scarcely any having been caught up to the close season. He reports no violation of the law, but several attempts at poaching were made in the French River. He believes, for the want of a Warden at Waugh's River, that poaching has been carried on to a considerable extent, as the two streams cannot be attended to at once. The fishway at the Balfour mill dam is in good order, but as far as he can learn the salmon have not got that far up the river. Whether there are none to go up, or no water to take them up, he is not prepared to say.

The catch of herring, principally for lobster bait, has been unusually large. There is one lobster factory in his district. The catch has been larger this year than last, and the factory is doing a good business. The boats which appear in the return are principally employed in the lobster fishery. A few were engaged in the herring

and cod fishery, but with very little success.

OVERSEER R. J. POLLOCK, Lower Stewiacke, reports that the sum total, as seen in his returns, exceeds that of last year. From the 10th of June to the 1st of August about 360 salmon were caught. The river was by that time so very low that the fish stopped coming up. The water continued low until the 16th October, but since that time there has been an abundance. About half the salmon, half the shad, one quarter of the smelts, and all the trout and bass are used for home consumption. He says the quantity of sawdust on Little River is so small that it does no injury to the fish. There has been no violation of the law.

OVERSEER J. W. Davison, of Little Bass River, reports a considerable decrease in the catch of shad since last year. Last season, however, was an exceptional one, and the principal falling off has been in the quantities taken in the brush weirs. The net fishermen, although not obtaining quite such large quantities, have realized equally good profits, the price in the United States market being \$9.50, while last

year it was but \$6.

The catch of salmon has slightly increased; while in the catch of cod, haddock, hake, smelts and herrings there has been a decrease, owing to a less vigorous prosecution of those branches of the fisheries. The home consumption of all kinds of fish has been about the same as usual; one-third of the catch of shad being sold in Nova Scotia and New Brunswick, the rest being shipped to the United States, principally to Philadelphia.

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The fish-ways have all been kept open during the season. No new ones have been built, but two of the old ones have been repaired. Some difficulty exists in regard to settling disputes between weir owners. Those who hold weirs have no lease of their seats, and no law exists which defines any claim they may have. These seats are often sold at large prices, and if a man in the following season does not put in an appearance he loses his claim. Many other troubles arise, but there seems to be no redress. This causes a good deal of dissatisfaction, and should be prevented by causing them to obtain leases, or some kind of clearly defined claim of their pro-

CAPE BRETON COUNTY.

Overseer Francis Quinan, of Kilkenny Lake, reports that the total catch of fish exceeds that of last year. There has been, however, a decided falling off in many kinds of fish, and the excess is altogether accidental, resulting from the unprecedented run of summer herring. Salmon, mackerel, codfish, halibut and haddock, as well as the smaller fish—hake, trout, smelts and eels show a small return. The failure of the salmon fishery is likely due to the long stay of the drift ice on our coast last spring, which caused the fish to take another course. The codfish catch has not been exactly a failure, but the total catch is smaller than that of former years. Trawl fishing has caused great scarcity of halibut. The oil from the cod liver shows a remarkable decrease; and the fishermen give various explainations. A salmon net set in the close season has been seized at Salmon River. It has been impossible to prove who the owner of it is. This is the only violation of the law to be reported. Sawdown the owner of it is. dust does not trouble us much, as we have but few mills and they are not actively employed. Alewives are returning to the rivers in good numbers, and if the Governwould only allow seventy or eighty dollars for clearing away fallen trees and brushwood from the beds of two or three of our streams they would soon become, as in times past, noted for the quantity and quality of their alewives.

OVERSEER ALEX. McDonald, of East Bay, reports an increase in mackerel, herrings and codfish. The eastern coest of the district was impeded in the early season by ice, which prevented the fishermen from taking advantage of the first run of codfish. The catch of salmon is the same as last year; but fewer men have been engaged. The season for angling has been poor, owing to the dry weather which prevailed during the angling eason. He strongly recommends the appointment of a fishery warden at Gabarus. The station is about thirty miles from his residence, and there is a lobster factory at the place, where he found a violation of the law.

OVERSEER YORK BARRINGTON, of Barrington Park, C.B., reports that there has been a decrease in almost all the fisheries, except herring, which where very abundant. The decrease in cod was owing to the foggy weather, as the fishing grounds could not be found. Heavy storms in June and July washed the salmon nets ashore many times, and thus lessened the catch of that fish. Mackerel did not come as early this year as usual, and the fishermen had to soon take up their nets on account of storms. The failure in haddock and halibut cannot easily be accounted for. Almost all the fish except cod were consumed at home. He does not see that sawdust does any harm in streams, as it never lays in mid channel, but is washed to the sides. Logs and brushwood, which some rather object to, are rather a benefit than otherwise as they prevent spearing and angling, and, besides, the fish can always swim past them.

GUYSBOROUGH COUNTY.

Overseer James A. Tory, of Guysborough, reports a considerable increase in almost every kind of fish; but especially so in mackerel, codfish and lobsters. Although this has been the case, the season has terminated rather disastrously to the fishermen and others engaged therein. The prospects of the spring and summer portions of the season were the best that have been known for many years past; but

the depression in prices and the total failure of the fall fishery will cause want and suffering, especially so at Cape Canso. When looking at the quantities taken this may appear strange, but when the values are considered the circumstances become different. For instance, take mackerel. In former years these fish averaged \$10 per barrel, but this year not \$4; a loss on the year's catch to the fishermen of \$71,000, besides the loss on all other kinds of fish, although not in so great proportion. Had it not been for the excess in the catch, the fisheries, as a whole, would have been ruinous to all concerned, and starvation to many would have been the result of the year's work. He has no fines to report, although in a few instances violations in the rivers have taken place, but after taking into consideration the pecuniary circumstances of the parties, and a promise from them to observe the law more strictly, he has allowed them to pass.

The lobster factory has been a success, or, in other words, the canning establishments have had as many as they could work at, nothwithstanding the close season, and the quantities put up will be quite enough for the market demands. He thinks this a good proof of the desirability of continuing the present restrictions. There is a large increase in the catch of alewives. This looks as if these fish were again returning to their old haunts. Such an event is much to be desired, as it would place them within the reach of a class of persons otherwise deprived of them. Salmon and trout did not appear as plentiful in the rivers as formerly, but this may be owing to the dryness of the season at the customary time of their ascending the rivers. There were eight trap licenses applied for in the past season, but only six have been delivered to the applicants. Opposition by the inhabitants against the other two was the cause of their being withheld. Those put in use did not prove very remunerative to their owners, which fact will no doubt have a tendency to

decrease their number another year. OVERSEER ALLEN McQUARRIE, District of St. Mary, reports a decided increase in the deep sea fisheries of the district over that of last year, amounting to over \$18,000. Salmon are yearly decreasing in quantity, although not in quality. It is not easy to assign a reason for this, yet it is thought that the lobster factories and the trap fishing at the mouth of the St. Mary's have very much to do with the falling off in this river. At any rate this decrease in salmon has caused much odium to be heaped upon the system of licensing. Lobster fishing has been quite a success to the packers, owing perhaps to the fact that they secured a large quantity in a short season, but the fishermen complain greatly of what they consider an unnecessary length of the close season. They are invariably of the opinion that lobster fishing should not commence before the 1st May, and then stop from the 15th July to the 15th of September, thus giving a close season of two months, besides the winter This arrangement would meet the approval of all the fishermen, and also afford the lobsters sufficient protection to make the industry a success. The fishermen argue that the present law only protects the packers, who are chiefly foreigners, and deprive those who are natives of the fall fishing on which they have always depended for their winter supplies. Last winter many of the fishermen experienced very hard times, and this spring, it is supposed, will also see many in want. He, therefore, says that the Order in Council of 13th March, 1879, is most injurious to the fishermen at the four factories in this district. There will be five next year as there is another now being built. The several close seasons have been as well observed as could be expected. He says that the Warden she recommended last year, Suttis at Indian Harbor and McIntosh at Marie Joseph, are indispensable to the fisheries and ought to be appointed. It is utterly impossible to enforce the law at Ecum-Secum without a Warden. Masked poachers assemble after night and clean every fish out of the river by the most illegal methods. The fishways are all in fair working order, and the saw dust amounts to nothing, except in the Liscombe River, where many think there are some grounds for complaint. He has no fines to report this year, although some charges were brought, but not properly substantiated. In conclusion, he expresses his satisfaction with the Wardens in his district.

HALIFAX COUNTY.

OVERSEER WM. ANDERSON, of Musquodoboit, reports that the season's fishing has been in advance of last year. There has been a large increase in the catch of lobsters and alewives, but a falling off in salmon. He has made careful enquiry, and finds that lobsters are both more scarce and soft shelled during July and August than at any other time It is said that in September lobsters are good and plentiful, and he thinks July and August should be the close season and the other ten months free to all. The present law is very unpopular, and he recommends a change. It is generally admitted now that a close season is necessary for the protection of the fish. He has made strict enquiry as to how a law prohibiting nets to remain set on the coast during the day would answer. Nearly all admit that it is injurious to the fisheries as it keeps fish from the shores, but to cause all to take their nets up in the morning would debar many from fishing at all, especially so with the poorer classes. Again, in mackerel fishing they have to set their nets so far off that one trip per day is about all the second se all they can accomplish. He would by no means recommend a change at present. The regulations for East Halifax are worse than nothing. Other counties have certain times and places to dip alewives, but they have none. The people clamor for printed regulations. He had to withdraw several suits against persons for dipping at the mouth of the fishway at Ship Harbor. A law suited to Musquodoboit, Ship Harbor, Tangier and other places would not suit Sheet Harbor. The salmon come in with the salmon come in with the salmon come in the salmon com with the alewives to the river, but are stopped when they reach the reefs, and have to lie in the pools for a rise of water, and as this is the only place to dip alewives, if allowed, they dip every salmon. Unless there is a proper regulation for each of our rivers, he freely confesses that neither he nor the Wardens are able to do their duty. He has recommended a code of regulations but no attention has been paid to it, and he is still ready to give his views as to proper laws for every stream in his district. Respecting the mode of treatment the salmon received, caught at Musquodoboit, carried to Petpezwick River, and then after spawning let go; he then said, and the facts facts now bear him out in it, that it would be the means of drawing the salmon from Musquodoboit altogether. This year, instead of hundreds, they caught three. Not a fish of any kind passed up the river from early in September until late in November. Mr. Anderson says that he offered, if clothed with authority of the Department, to see the fish return and cared for, but it is now too late. He says that he has not had the encouragement he expected from the Government. He has done everything in his power to remove obstructions of every kind, and has spent his own money rather than see the fish stopped, but has as yet received no response from the Government. He is glad to report that the new fishways at Sheet Harbor and Moser's River

are doing first rate and are giving general satisfaction. If one of the new fishways were constructed at Ship Harbor and a passage made through the reef at West Sheet Harbor there would be less grumbling and both Overseer and Wardens would be

more able to do their duty.

As to sawdust, he has no fault to find with the millers, but, of course, there is a Certain amount that escapes, which cannot be prevented. He does not believe that clean sawdust does much injury, as be knows it to be a fact that underneath the mill in every stream there are the most salmon. He has observed this for years, and it neither seems to choke nor blind them. It is not as great a nuisance as the fish gurry used for lobster bait, and the setting and moving of traps, which disturbs particularly salmon and herring, neither of which will live in polluted water, but it seems nothing can be done.

Canned lobsters have become one of the staple articles of export and a means of support for many of their fishermen. He considers the smelts and alewives of ten times more value in bringing our line fish to the coast than the few scattering salmon

caught here and there.

OVERSEER JOHN FITZGERALD, Portuguese Cove, also reports a considerable increase in the catch of almost all kinds of fish, except salmon. He regrets to state that the fall mackerel have been a total failure this season. The fat mackerel do not seem to have struck their shores the past few years. He believes that sawdust does a great injury to the rivers. There are only three rivers in his district that have saw mills on them. Two of these are at the mouth of the harbor, and if they were allowed to drop their sawdust into the river they would soon fill up the harbor, as the river is very shoal and the rubbish dropped would float out among the fishermen's nets and seines to their great injury. The fish used in his district for home consumption outside of the City of Halifax is, as near as I can ascertain, about \$1,200 worth.

HANTS COUNTY.

OVERSEER T. B O'BRIEN, of Maitland, reports that the catch of fish there as a whole about equals that of last year, which was considered a remarkably prosperous season. His return for 1879 shows that fish were taken in excess of this year to the value of about \$3,000, but this excess is accounted for by the larger number engaged in fishing in that year. During this season there were five weirs and one boat less employed, so that taking this into consideration this year's catch fully equals that of This year three-fourths of the shad taken have been sold in Boston, at prices varying from \$9 to \$10 per bbl., realizing to the fishermen a greater return than any previous year of his term of office. It is impossible to obtain a correct account of the fish caught in the Shubenacadie River, as it appears to be the custom of those fishing there to take them in any way whatever so long as they manage to escape the law. In November he received information of violation of law on said river by parties setting nets and catching bass while they were ascending to the lakes. He has spent some time on the river in company with Overseer Colter, but they have failed to prove anything. Some nets were seized, for which no claimants have yet He thinks there is a strong necessity for a Warden upon the Shubenacadie near Grand Lake, and that such an appointment would be a great benefit to the fisheries there. He still has the same complaint to make concerning the construction of the weirs, the brush being so closely woven together as to prevent small fish passing through, and that they are thus destroyed by the thousands.

OVERSEER P. T. BURNHAM, of West Hants, reports that shad have been much more

OVERSEER P. T. BURNHAM, of West Hants, reports that shad have been much more plentiful this year than last, but not quite as good in quality. Salmon have almost wholly disappeared from the Avon River. He thinks this is owing to the dry season, for there was not enough water to carry them to their spawning grounds. Herring have been even more plentiful than last year and also of better quality. Smelts were never known to be so plentiful. The number of boats and men employed was rather larger than in 1879 and more remunerative to those engaged. All the fishermen, whether drifting or catching in weirs, have tried all in their power to carry out the laws, and this, he thinks, is one reason why the fish are again returning to these waters. All the rivers are kept open for fish to go up and down.

Overseer J. B. Colter, of Milford, reports that the catch of fish in his district on the Shubenacadie River was better this year than last, taken as a whole. The salmon were not so plentiful, but there was a good run of alewives. He recommends the appointment of a Warden to have charge of part of the river. He has charge of 22 miles of this river, and the fishing of salmon and bass is usually after nightfall, so that he says this is too much for one man. There are two mills on streams that empty into the Shubenacadie, one is on Gay's River and the other about three miles up the river above Milford. Both of them are in Halifax County. The sawdust from these mills does not in any way injure the fish, for long before the salmon come they have to be stopped on account of low water.

INVERNESS COUNTY.

OVERSEER D. F. McLean, of Port Hood, Western Division, reports that while there has been a decrease in several branches of the fisheries in his division during the year just closed, there has been a considerable increase in the larger number of branches as compared with the preceding year. The total value of the quantity of

fish taken in his division of the County for the year 1880 is \$192,390.20 (being an increase over the products of 1879 of \$13,637.85). Out of this amount the value of the quantity used for home consumption must be estimated at about \$35,000. It will be considered to the quantity used for home consumption must be estimated at about \$35,000. be seen by the returns that there is a considerable decrease in the catch of herring. One reason for this falling off is that the fishermen are allowed to have their nets set in the day time. This abuse has existed for years and still is practised. The result of this is that the fish are turned from the coast, or they have changed their usual course. A few years ago large quantities of herring were caught in nets at a distance of seven hundred yards from the shore, but now very few can be taken within three miles. During the last session of the Dominion Parliament he made application. application for a regulation to compel herring fishermen to take up their nets in the day time, from 9 o'clock, a.m. until 4 o'clock, p.m. (weather permitting). On account of some frivolous objections this regulation has never been enacted.

The lobster fishery is one of the most important branches in this district. There Were two canning establishments in operation during the past season, one at Port Hood Island and another at Mabou Harbor. All possible means were used to carry out the Order-in-Council, dated 13th March, 1879, and the support of the managers was obtained towards carrying them into effect. About 4 per cent. of the whole number caught in the traps were liberated alive at his instance. This quantity was composed of undersized lobsters and females in spawn—a sufficient number to preserve this branch of the fisheries. He did not notice any soft-shelled lobsters until the 15th July, and very few of these were taken in the traps at any rate. He thinks the reason of this is that when lobsters become soft-shelled or cast their shells they crawl under rocks to avoid exposure. There is a difference of opinion about the time and age at which lobsters become soft shelled. Some fishermen and experienced canners contend that lobsters shed or cast their shell once in their lifetime only; others contend that lobsters shed or cast their shell once in their lifetime only; others contend that they cast their shell every year until they reach a certain age. He states that so far he has been unable to ascertain with any degree of certainty which is the correct view. He is inclined, however, to believe that the latter is the correct theory. Owing to the floating ice in the Gulf of St. Lawrence in the spring of the year, lobster fishermen and packers cannot begin operations until the first week in May on this coast, so that they are not in position to take advantage of the fishing season and the coast, so that they are not in position to take advantage on this season from the 20th April until that time. Lobsters are more numerous on this coast between the 20th of May and the 15th of July than at any other time during the fishing season. After the latter date there is a general talling off in the catch. Lobsters in spawn can be found at any time during the open season, but are more numerous during the month of May than any other time. With reference to the Order-in-Council, dated 8th July, amending the Order-in-Council, dated 13th March, 1879, by extending the lobster fishing season ten days, Mr. McLean states that packers and fishermen did not derive the benefit which they expected from the same. Order-to-the search of lobsters during that time, and partly on same, owing chiefly to the scarcity of lobsters during that time, and partly on account of a less vigorous prosecution of this branch of the fisheries on the part of the fishermen, and the stormy weather which then prevailed. He, however, believes this extension of time was a step in the right direction, and would recommend a continuance of the same in the future.

Salmon did not go up the rivers to spawn during the past season as early as usual, on account of there being no freshets until late in October. Mr. McLean states that he asked for additional Wardens during the summer, but that none have so far been appointed. A Warden is required for River Inhabitants, another in the vicinity of Sky Glen River, Whycocomah.

The question of sawdust and its injurious effects on fish has engaged the attention of several of the leading men in this Province. Since his last report Mr. McLean says that he has made a careful inquiry into this matter. From the most reliable information which he could obtain, and from facts which came under his own observation. vation, he came to the conclusion that sawdust in itself is not injurious to the fisher. fisheries of this country, not, to say the least, to the extent that sportsmen and others. others who have not watched the movements of fish are led to believe.

What is required on rivers which fish frequent and on which mills and mill dams are constructed, is an efficient fishway in each case. This want can be easily

supplied by the use of Roger's fishway.

OVERSEER JAMES COADY, of S.W. Margaree, reports that the value of the year's fisheries of his district amounted to about \$92,500, and that about \$35,000 worth of This makes an increase of over \$8,000 over this was used in home consumption. that of last year. There has been a decrease both in the catch of codfish and herring, owing chiefly to their scarcity on the coasts. There has been an increase in the catch of mackeral, amounting to over \$5,6.0, and a small increase in the catch of There has been an increase in the salmon. The lobster fishery shows an increase of over \$9,000. The catch of alewives is somewhat less than that of last year, owing both to the scarcity of fish and the extended close time-from Friday night to Monday morning-allowing the fishermen only five days to fish, instead of six as usual. Two slight violations of the Fisheries Act have come to his notice, and will be dealt with according to law. He has visited the lobster factory on several occasions and found that every attention was paid to The fishermen are disposed to carry out the the Order-in-Council of March 13th. Mr. Coady thinks that the sawdust in his district regulations as well as they can. has no injurious effect upon the fish, there being but a very few saw mills in the whole district. He is well satisfied with all the officials and Wardens with whom he has to deal.

OVERSEER DAVID Ross, of N.E. Margaree, has to report two violations of the law in the northern end of his district, at a place called Little River, where no Warden has yet been appointed. In both cases the fine was paid without further trouble, the parties pleading ignorance of the law. Several reports of infringements of the Fisheries Act came under his notice at a place called Big Interval, on the Margaree River, but as no evidence could be obtained he was unable to convict the suspected The increase in value of this year's fisheries over that of last is about Codfish did not strike \$11,340, owing chiefly to the very large catch of mackerel. there till late in the season, and it was at first thought that the catch would be much smaller than usual, but in the latter part of October and first of November a great many were caught, and this made a fair average for the season. Outside salmon fishing was prosecuted with more than ordinary vigor, still the catch was a complete Spearing and sweeping the pools on the river for salmon are the principal Mr. Ross says that the close season has never been better abuses in his district. observed than in the past year. There are no fish-ways in this district. the law could be better enforced if two efficient Wardens were appointed at Big Interval, Margaree, a district of twelve miles from where he lives, and another at Little River, Cheticamp, twenty-five miles from his home. The value of fish in this district for home consumption is about \$28,761.

KING'S COUNTY.

OVERSEER J. E. STARR, of Starr Point, reports a decrease from the usual catch For an unknown reason the fish do not seem to have come up the Bay of Fundy this year in their usual numbers. This is true at every fishing station, and with all kinds The Gaspereaux River, however, was an exception, for the alewives were The water was very high during the largest part of the unusually plentiful there. fishing season, and the first were thus enabled to ascend the river and a large number passed up the fish-ladder at the Calder dam. This ladder is in perfect order when the water is high, but it should be made somewhat longer at the lower end, where the water is low, to enable salmon to pass up. Mr. Starr states that he made a special request to the mill owners to have this done, but they neglected to do anything. does not think there would be any difficulty for any kind of fish to pass up if the slight addition were made. He would again recommend a strict prohibition of all fishing on this river until it again becomes restocked with fish. This, he thinks, could easily be accomplished from the appearance of fish in the spring, and from the very fine lot of young fry that passed down to sea towards autumn. 156

Overseer Reuben F. Reid, of Wolfville, reports that considerable complaint has been made during the past year in reference to the fishway at White Rock Mills, as an obstruction to the ascent of salmon and alewives up the Gaspereaux River, and also in regard to the great falling off in the quantity of fish taken there. He, however, is now able to report that the proprietor of the mill made, at his own expense, some Considerable improvements in the fish-ladder, which resulted in the passage up the river of quantities of fish. Some further improvements in the ladder he thinks desirable. Large numbers of young fish passed down the stream during the autumn. All the mills on the Gaspereaux River dispose of their sawdust without letting it go into the stream to any great extent. Mr. Reid states that the people are gradually coming to a knowledge of the injurious effects of illegal fishing, and are becoming more willing to obey the Fisheries Act.

The improvements Mr. Reid refers to as having been made by the mill owner added nothing to the former effectiveness of the ladder, but was needed on account

of injuries done by the action of a freshet.

LUNENBURG COUNTY.

OVERSEER H. S. JOST, of Western Lunenburg, reports an increase of the value

of about \$123,432, the total value being about \$1,000,783.

The increase is principally the result of bank fishing, besides there were several more vessels than usually engaged. The Labrador vessels, and also those codfishing at the bay, returned generally with full fares. Lobsters show an increase of \$1,500. The case of \$1,500. The general opinion in this county is that lobsters should not be taken in July. It is half seneral opinion in this county is that lobsters should not be taken in July. It is believed that early in July the lobsters begin to get into that state which renders them and the state which renders them. them unfit for food; and that the best regulation would be to allow them to be caught during the months of April, May, June, September, October and November, as far as may be found advisable. The fishermen say that such a regulation would cover the whole time in which lobsters are fit to eat, or are likely to be fished for.

The amount used for home consumption was \$15,000, and this is included in his returns. The fish trap used at the western side of the harbor has again proved unremanded. The fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used at the western side of the harbor has again proved unremanded by the fish trap used by the fish Mr. Jost thinks that the sawdust has but little effect on the fish. fishways at the two gang mills near Bridgewater, are respectively situated on the side of the state of the st of the river opposite the mill, so that the sawdust could only interfere with them low down the stream, and he thinks the sawdust would have very little effect in preventing at the stream. ing their ascending the ladders. It is often asserted, and very often complaints are made to according to the ladders. made, that fish are trapped by the fishermen; now this is just where the sawdust is,

how then can it interfere with them?

OVERSEER GEO. W. REDDEN, of Chester, reports a decrease in all kinds of fish in his division, except herrings, cod and lobsters. The fishermen attribute the small catch to the small cat catch to the fact that so many lobster traps set near the shore cause the fish to keep off; off in deep water, beyond the reach of the seines. Lobsters have been abundant this season. season; and this Mr. Redden considers a good proof of the wisdom of the Department; ment in regard to the close season. The scarcity of salmon is due to the hindrance of the close season. of the ice coming ashore during March. A great number of alewives ascend the streams, but few were caught on account of the freshet. Smelts seem to be increasing, and he finds it difficult to get an accurate account of them.

He has placed a fishway in the Middle River branch, according to instructions; but there are other streams which need clearing, as reported before. Dipping for gasponed are other streams which need clearing, as reported before. Dipping for gasponed are other streams which need clearing, as reported before. gaspereaux in Gold River prevents salmon from ascending to their spawning grounds. It is It is impossible to keep people from dipping salmon under the present law. Two men was a suppossible to have them men were prosecuted for a violation of the law, but it is impossible to have them arrested. arrested or to find any of their goods. The fish trap at Fanning's Head has been a failure, only about 70 barrels having been taken. The sawdust has no injurious effects

OVERSEER C. E. GODDARD, of Bridgewater, reports that persons have been in the habit of taking large quantities of fish called togue out of Sherbrooke Lake.

states that he went up there early in October and forbade their setting any nets this year in the lake. About the 12th October these fish leave the deep water and go into the coves to spawn, and are, with large trout, taken in nets set at the mouth of the coves. It is a fearful slaughter and should at once be stopped. He has seen bushels of spawn piled on the banks of the lake when up there other years. The persons told him, as there was no laws to prohibit them, they would set their nets. He wrote Mr. Jost some years ago and he was of the same opinion, and there ought to be an order passed prohibiting the taking of these fish at spawning time. Mr. Goddard hopes that they will be able to bring some influence to bear both on Mr. Kaulbach and the Department so that they will get efficient fish passes put on the dams here as well as that in Liverpoot. Something of that kind is very much needed.

PICTOU COUNTY.

Overseer A. C. Pritchard, of Middle Division, reports that it has become imperative to him to bring forcibly under consideration the seeming negligence of the Wardens for his district. He says that this district bears the reputation of being preeminently subject to poaching. The facilities of the river for such a practice are so great that it would require the greatest vigilance to entirely suppress it. Still, as the salmon only frequent the streams during two months of the year (the spawning season), a little extra exertion on the part of those in charge might be expected, especially when spearing, &c., is almost nightly practiced in the vicinity of the Wardens houses. Mr. Pritchard thinks there are just grounds for impugning the fidelity of these officers. In order to estabish a better protection of the fisheries, he would suggest that, in all cases of such negligence of duty, summary measures be used to prevent the recurrence of such evils. He highly commends the energy displayed by Warden Campbell of New Glasgow, who always seems to be at his post.

With reference to the pollution of rivers by sawdust, Mr. Pritchard remarks that on the Middle and West Rivers the lumber business is fast declining, that the small quantity of mill refuse that finds its way into the water is so trifling that it would scarcely warrant him in taking action in the matter; but the east branch of East River is considerably impregnated with it, and serious complaints are raised against the mill owners in consequence. McLennan's Brook, a tributary of East River, is greatly subject to this nuisance, and he has duly informed the mill owners that such

a violation of the law will no longer be tolerated.

He regrets to state that the fishways in his district cannot be said to be efficient ones. He says he can safely affirm that not a salmon had passed through the last two years. All the migratory fish congregate at the foot of the dams, and do not find the entrance, and thus the fish, debarred from their spawning beds, become an easy prey to poachers. These fishways are all in a tolerable state of repair, except the one at McDonald's Dam, Hopewell, which he reported.

The run of salmon on the Middle and West Rivers was about the average. In the tidal part of the East River the run was more than an ordinary one, but in consequence of the lowness of the water in the stream from the tide-head up but few left

the salt water.

Sea trout are annually decreasing in the rivers, a fact which he attributes to the effects of saw-dust, an opinion endorsed by the majority of the people there. The lakes which ten years ago yielded a large supply of trout of a superior quality are gradually being fished out. It has been suggested that the Government prohibit fishing in certain places until they are restocked with fish.

The run of gasperaux has been about the average.

OVERSEER CHAS. E. Henry, of River John, reports a decline in shore fisheries. The fishermen there seem to be chiefly farmers, and, therefore, do not pay their whole attention to it. The decline of herring is thought by many to be in consequence of the lobster bait and traps. The small quantities of smelts, alewives and eels which are caught in the river and ponds are used for home consumption. Mr.

Henry thinks that the saw-dust does no injury to the fish in any of the streams of his district.

The fishway at Weir's Dam has been rebuilt this season, but as there has been

but one small run of water this fall very few salmon will get up.

OVERSEER D. S. McDonald, of Lismore, again reports a decrease in the catch of salmon, due to no other cause than the scarcity of the fish. Old fishermen say that periods of scarcity have occurred before, and that the salmon would again return. A salmon catcher's appliance costs from \$240 to \$400, exclusive of an annual outlay of \$30 to \$40, to say nothing of the labor expended, from which it will appear that if the coming season proves no better than the last two years those engaged in this branch will suffer severely. The other fisheries, however, have been better than last Year, mackerel especially being more numerous and of a much superior quality. The value of the lobsters packed at the establishment of Shed, Moore & Co., on Pictou Island, went far to make up for the deficiency. The same company has erected a second factory on Pictou Island, and another on Big Island, Merigonish, both of which will be in operation next season. No serious abuses prevail in his district. The Wardens are diligent and the close season is well observed. Complaints were made that Mr. Dewar was casting large quantities of sawdust into Barney's River, which, it was contended, injured the trouting on that stream. He consented to erect a pipe through which the dust is now conveyed some distance from the river. The value of fish used for home consumption, as nearly as can be estimated, is \$2,785. The past season has been remarkably dry, and on some streams where great numbers of salmon used to ascend scarcely any have been seen.

QUEEN'S COUNTY.

OVERSEER S. T. N. Sellon, of Liverpool, reports that the reason the amount of fish is less this year than last, is owing somewhat to the fact that many of the young fishermen have found employment in other countries, or in American vessels for deep sea fishing. There has been success in getting salmon and alewives up the rivers, further up than at any other time during his term of office, or about twelve years; giving all reason to believe that our river fisheries will be in the future largely increased. The catch of salmon was small, owing principally to the fact that the ladders allowed them to go up, preventing any accumulation at the dam, where they were formerly dipped in considerable quantities. For the first time for many years salmon were taken out at the Indian Gardens, 28 miles up the river, and also at the Cudgemecudge Lake, 45 miles from the harbor, a circumstance unknown to happen for 30 or 40 years. The fish go up the river to the first and second lakes, then through the large Lake Rossignol into Lake George and to the Cudgemecudge Lake, and it is said that these and the adjoining lakes cover an area of 50 miles.

The catch of alewives in float nets in the harbors was the largest for many years, but the catch by dipping was small, for the same reason as that of salmon. The Indians called his attention to the great number of small alewives up the river. He visited the place, about 8 miles above the mills, and found the statement to be true, and far beyond what he had expected. A few days afterwards they were seen in the ladders going down, and then in small pools in the tidal waters. This continued, he says, for five or six weeks, when to his great surprise a second run of young fish was seen as late as November 20th, at Mountain Falls among the drive of logs. From this Mr. Sellon infers that the old fish must have gone up the river before the usual

time for dipping and also after that time.

Codfish were in very good supply for the small number of vessels and boats employed. Mackerel did not go into their harbors as in years past. Herrings were scarce in the summer, but the catch was good in the fall. The catch of lobsters was small, and they were inferior in size. He believes that the foul bait or garbage used for 1. for lobsters keeps salmon, alewives, mackerel and herring out of the harbors and rivers, and as proof he refers to the fact that these fish do not come in during the time when lobster pots are on the shores, but that when, in a few weeks they are removed, herring then come in, and this full in good quantities.

OVERSEER JOHN FITZGERALD, of Mill Village, reports a decrease in the catch of salmon for the past year. The dams are all provided with efficient fishways which are always kept open, and as the catch seems to be smaller in other rivers the cause of the decrease must be unknown. There is reason to believe that many salmon went up the rivers in February before nets could be set. There is a large increase in the catch of alewives. The old fish and the young have been seen in the tributaries of the Medway, where they have not been known to be for 30 years or more, and the river has been swarming with the young fish for months. Eels are more plentiful than last year and a small quantity will be exported. The same is true of smelts, but frost fish were not as plentiful as usual. From his own observation, and from the opinion of competent judges, Mr. Fitzgerald believes that in Medway River sawdust does no injury to the fisheries. The mills are situated on the mouth of the river far below the spawning grounds, and the nature of the currents are such as to carry most of it to sea. The mill owners have been very careful in providing a free course for fish both up and down the river, and in keeping out the mill rubbish. He is fully convinced that it would be for the benefit of the salmon fishery if nets were not allowed to be set in this river later than Thursday at sunset in each week.

RICHMOND COUNTY.

Overseer Francis Marmeau, of Arichat, reports an increase in the fisheries nearly twofold in the catch of mackerel, herrings, haddock and lobsters. These fish appeared on the coast comparatively early, and even of a superior quality, and continued to yield a moderate catch throughout their respective seasons. The increase of lobsters may be attributed to the good management of the Government. In his district there are no brooks nor rivers into which sawdust is allowed, so that he cannot give any important information as to its injurious effects upon the fish.

Overseer Duncan Cameron, of St. Peter's, reports an increase over that of last year in nearly every branch of this industry. The increase with lobsters is quite a marked one, being an excess of 4,700 cans over last year's catch. He has no infringement of the fishery law to report. All parties seem to respect the enactments of the Government for the protection of the fisheries. Among the fishermen themselves the utmost harmony and good feeling prevails. It is to be regretted that this season's market quotations will not afford them remunerations commensurate with their

industry.

SHELBURNE COUNTY.

OVERSEER WM. J. McGill, of Shelburne, reports a number of new vessels added to the fishing business, some of the old ones being lost and others sold. There is, however, an increase of 7 vessels over last year. The catch of fish was rather better than last year, excepting a slight falling off in haddock; but the prices were low, and if there is no improvement in the market it will be a hard winter for our fishermen. Trap fishing is about the same as last year. The shore fishermen depend largely on the traps for bait. Lobsters continue quite plentiful on our coast, and the business has proved to be a profitable one. There is considerable anxiety among the net fishermen concerning the lobster fishing. They say the impure bait used has a tendency to pollute the water, and that consequently the fish will not come into their natural spawning grounds. The lobster fishermen say that it is to their advantage to use fresh bait, and that they see that all refuse bait is removed from the fishing ground. Some of the factories have not been careful enough in regard to the taking of small lobsters. He has been compelled to impose a fine on two of them for violation of the law in this respect. The new fishway at Clyde River has proved satisfactory, quite a number of alewives were seen passing through, and the people generally speak in favor of it. He watched the fish for two days passing through, and they were seen eighteen miles up the river. Quite a number of young fish were seen returning early in the fall. He cannot speak favorably of the Jordan fishway. It is evident that the trouble is at the entrance, and if the east end were lowered the fish could easily enter and pass through. It is estimated that \$25,000 worth of fish is consumed in the county. The close season for lobsters was closely observed. Sawdust is generally considered injurious to our river fisheries. It appears quite evident that the present law should be enforced.

VICTORIA COUNTY.

Overseer Donald McRae, of Baddeck, reports a decrease in the quantity of fish taken this year from that of last, although there has been a small increase in value. This is owing to a more correct account of the quantity used for home consumption, which is 950 cwt. of cod, and 1,300 bbls. of herring. The general complaint throughout the whole district appears to be scarcity of fish. Washabuck River is considerably blocked with fallen timber, &c., which prevents the fish from ascending and descending the stream. As the settlers there cannot be convinced that it would be for their interest to have these obstructions removed, he hopes the Government will grant a small amount for that purpose. The close season, as far as he can ascertain, has been pretty well observed. He has heard of a few instances of torches seen about the rivers, but has, up to the present, been unable to ascertain who they were. The two cases under consideration reported last year were dealt with according to law. The defendants were young men not worth any property and not appearing to understand the law. The amounts of penalty were consequently made small, nevertheless it had the desired effect as there has been no trouble since in protecting that district.

OVERSEER JOHN W. BURKE, of Ingonish, reports that the catch of fish for the Past season was far below the average in all cases, except mackerel. Cod were very scarce owing to the pressure of drift ice on the coast late in the spring. Salmon have been uncommonly scarce. Mackerel were very plentiful and the catch for the season was very large, and the quality superior. Herring were somewhat more

Plentiful than usual.

YARMOUTH COUNTY,

OVERSEER ENOS GARDNER, of Tusket, reports the value of fish for home consumption to be about \$60,000. There is quite an increase over last year, and the fishermen have had a successful and profitable year's fishing both in deep sea and river fishery. The trap nets for mackerel all got a fair quantity, and as they were sold early in the season the prices obtained were satisfactory. Large quantities were sold fresh to American vessels and taken to the United States in ice. He inspected the coast during the fishing season to see that the fish offal was properly disposed of. The river fishery for alewives has not been so good for many years. The fish struck in early in large quantities, and in the early part of May there was a very high freshet, which enabled the fish to ascend the rivers to the head waters and lakes. In the autumn, also, the freshet was good for the young fish, and very large quantities came down the river. Salmon were scarce during the whole fishing season, and on all the rivers. The fish ladders at Carleton and Kemptville were kept in good repair. The ladder at the latter place gives the fish a fair passage up That at Carleton River without doubt affords passage to some, but it is not what it ought to be. Very many alewives were in the river, and large quantities were seen under the dam. It was reported that the residents took large quantities of them from there, but up to the present he has been unable to convict any person. Mr. Gardner thinks if one of the improved fishways was put in this river it would be a great benefit to that fishery. The rivers are very generally free from sawdust and all mill rubbish, and are making improvements in this respect every year.

The lobsters were of good size and plentiful. The persons in charge of the factories are of the opinion that the months of July and August should be a close time. Owing to the cold and stormy weather of April it is practically a close time to the fishermen, and a large number of lobsters in July are soft shelled and not fit

for food. They will, no doubt, ask for some alteration by the Government during the present Parliament. The law was strictly observed, and the factories closed at the required time. Some eel weirs were found in the river this fall, and as they destroyed young fish they were taken out and the owners fined.

LOCAL OFFICERS.

The Overseers and Wardens, with a very few exceptions, appear to attend to their duties very satisfactorily. Those who have been for several years in office now understand their duties much better than formerly. Still there is in some respects room for improvement and I hope in a few years more our work will not only be more effectually done, but that the officers will be more liberally paid for the time devoted to the public service. This would tend to improve the efficiency of the staff. A little more liberality in the direction indicated would prove of the greatest possible advantage to the country.

I have the honor to be, Sir,

Your obedient servant,

W. H. ROGERS,

Inspector of Fisheries, Nova Scotia.

Table showing the actual increase and decrease of the several productions of the Fisheries in the Province of Nova Scoula, compared with 1879.

Articles.		Increase.	Decrease.
Salmon do do do Mackerel do Herrings do Alewives Cod Tongues and Sounds Pollock Hake Haddock Halibut Shad Bass Trout Smelt Eels Oysters Lobsters Fish Oil Fish Guano Fish used as manure	barrels. in ice. smoked. in cans. barrels. in cans. barrels. cwt. barrels. cwt. do do lbs. barrels. do do cans. galls. tons. barrels.	24,873 13,320 6,780 27,180 6,736 11,626 326 8,960 6,464 1,070 170,130 130 794 899,864 18,204 693	299 70,348 15,912 5,900 24,515 27,587 3,585 7,937

Comparative Statements of value of the Fisheries in each County in the Province of Nova Scotia for the years 1879 and 1880.

·Counties.	1879.	1880	Increase.	Decrease.
Annapolis. Antigonish. Cumberland Colchester Cape Breton Digby Guysborough Halifax Hants Inverness. King's Lunenberg Picton Queen's Richmond Shelburne. Victoria Yarmouth Total. Increase	138, 734 50 43, 737 75 34, 554 55 70, 898 25 247, 966 35 346, 675 85 358, 702 10 778, 161 20 23, 603 80 388, 052 25 89, 709 00 1,129, 431 65 22, 586 25 261, 897 35 331, 945 95 752, 098 20 139, 483 50 594, 697 70 5, 752, 936 20	105,899 00 75,063 10 46,979 20 58,724 28 297,329 25 40',714 00 447,398 95 884,451 80 23,212 25 435,449 50 43,534 00 1,176,159 05 45,989 75 203,502 15 375,812 13 857,307 00 141,964 00 669,572 05		32,835 50 12,173 97 391 55

		1 1
1880.	\$ 105 889 75 75 75 75 75 75 75 75 75 75 75 75 75	375,812 857,307 141,964 667,512 6,291,061
1879.	\$ 138,734 44734 44734 64734 6675 34667 675 3467 675 3467 675 3467 675 3467 675 161 1,129,431 675 675 675 675 675 675 675 675 675 675	331,945 752,098 139,483 6 91,697 5,752,936
1878.	\$ 63,039 63,404 40,483 40,483 40,473	360,816 863,257 134,034 674,035 6,131,599
1877.	\$ 87,129 60,514 60,614 127 282,109 129,127 282,104 174,011 175,943 179	545,863 649,676 158,861 538,295 5,627,858
1876.	8. 131,426 84,133 72,249 72,249 72,569 263,002 364,721 463,721 88,66 303,60 37,96 88,97,2 19,115	6(0), 164 1,0`5,837 169,210 554,518 6,029,049
1875	\$ 98,463 117,000 108,193 117,000 108,193 177,20 177,20 177,718	5,573,851 5,573 5,573,851
1874.	\$ 35,273 154 1	594,026 755,747 218,732 424,698 6,652,301
1873.	\$ 27,064 15,064 15,064 15,064 18,064 18,065 19,065 1	578 491 736,557 149,465 435,053 6,577,086
1872.	42,154 84,154 84,453 61,4463 1178,465 1178,528 668,572 668,572 668,572 11,4269 37,649	602,502 774,709 214,572 337,665 6,016,336
1871.	67,859 118,859 1172,990 1172,990 1172,990 1172,990 1172,990 117,758 11	582,244 584,445 150,558 315,919 5,101,030
1870.	42,462 97,730 13,1730 19,1730 19,964 203,781 203,781 651,382 11,814 40,131 40,131 13,235 17,239 17,239	412,620 495,520 130,145 289,719 4,019,424
1869.	20,256 78,832 16,1482 16,1482 113,901 113,5187 113,529 416,334 416,334 359,249 359,249 38,242 33,421 287,050 10 7,00	289,159 246,110 88,652 147,072 2,501,507
Counties.	Annapolis. Antigonish. Cumberland. Colchester. Cape Breton. Digby. Guysborough. Halifax. Hants. Inverness. Yings. Cings.	

Norn.-The figures in this table are taken from the yearly Blue Books, omitting the cents.

GENERAL RECAPITULATION.

Kinds of Fish.	Quant	ities.	Rate.		Value.	
			\$ 0	ets.	\$	cts.
Salmon. do Fresh in ice do Smoked do in cans. Mackerel. do in cans Herrings do Smoked, in boxes. Alewives. Cod. Cod Tongues and Sounds. Pollock. Hake. Haddock. Halbut. Shad Bass. Trout. Smelt. Eels. Coysters. Lobsters. Fish Oil Fish Guano Fish used as bait. Fish used as manure. Hake Sounds and Fresh Fish in Digby Co. Squid in Guysboro' and Victoria Co's. Amount sold in Halifax Fish Market. Codfish and Haddock, Halifax Co.	11,914 11,348 126,432 40,320 136,543 60,020 16,145 587.727 1,437 43,979 47,658 102,027 889,963 7,557 11,470 69,138 351,100 1,861 4,082,140 369,233 1,784 13,677 12,330	•• •••••		115 115 115 115 115 115 115 115 115 115	11,880 30,223 1,787 1,702 1,264,320 6,048 546,172 15,005 64,580 2,497,839 10,059 153,926 166,803 357,094 53,397 60,456 688 4,148 21,066 16,758 5,583 612,321 240,001 26,760 23,677 6,165 5,400 22,000 1,728	20 10 20 00 00 00 00 00 50 00 50 00 20 28 80 00 00 00 00 00 00 00 00 00 00 00 00
Home consumption of various Counties as per returns.	' 1				51,291	
Total		••••••			6,291,061	

Vessels Vess		, 'p	Herrings, Smoke	48720 60 5400	:	:	5200	:		•	640	60020
No. Counties Cou		. ——		· · · · ·	1884	737	674 3765 2240 7288 830	941	1045		202	136543 6
Versicity Octobritis Courties Courti					=======================================							
Vessels Vess			Mackerel, in can	00 20 20 20 0			<u>: : : : : : : : : : : : : : : : : : : </u>			:		40320
Counties	Fish.	.s	Mackerel, barrel	12 328 328 12 12 675 296			:	924	606	287	1331	12643
No. Counties Cou	å, O	.sdI ,	Salmon, in cans		336	912	10100	:		٠	<i>x</i> :	11348 126432
Counties	Kini	sq[']	Вяјтоп, Втоке	096	1770	7714	1320		i		<u> </u>	11914
No. Counties.		,95i n		10800 31729 5250 8030 5950 900	10530	41484	3875 900 16900 6437 45915 8313	009			3875	201488
No. COUNTIES.			Salmon, barrels.					301		120	i	792
Counties	AL.	eirs.	Value	: 1	12110	93400	54 : :					204842
Authorities Counti	ATERI	A	.oV	: "			: :	i		<u>:</u>		
Annapolis	HING M	els.	Value.		74080	78073	2805 41790 3564 69375 10347 11127	40843	19170	9526	31822	456596 1081
Annapolis. Counties. Cou	Fisi	Vess	Fathoms		153390	241135	8170 63308 13380 65800 9165 19408	100230	61110	25705	00099	22798 951888
No. COUNTIES. No. COUN	HING.		Меп.		• •	2693	137 2161 316 3879 277 781	1959	1411	1624	1000	22798
Vessels And Boats Early Vessels Counties Counti	in Fis	Boats.	Value.	77			1835 18790 1120 36535 1915 13026	20896	25350	8390	18675	11210 286807
No. Counties. Vegage georgical particular properties. Volume pro	PLOYED		No.		1383		111 744 69 1651 120 436	196	802	407	543	11210
COUNTIES. VESSEELS	's EM		Men.						1290		1373	6478
COUNTIES. COUN	ир Водт	sels.	Value.	8650 2000 8130 54550	24000	29900	8500 2500 527618 45550	47200	241100	2650	244900	1277248
COUNTIES. COUNTIES.		Ves	Топпяде.	305 85 388 2021	191	1855	427 84 8693 1410	2493	5706	162	4691	29087
No. Annapol Antigon Colchest Colchest Colchest Colchest Colchest Halfax Hants Hants Hants Richmon Richmon Richmon Richmon Shelburn Nictoria.	VES		No.	20 2 16 85	23	65	17 9 145 39	79	119	r-	105	731
N 1128 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1	COUNTES.	Annapolis. Antigonish Cumberland Colchester. Cape Breton	Guysborough	Halifax	Hants	Richmond	Shelburne	Victoria	Yarmouth	Total
166			N.				110 113 114 114					

RECAPITULATION showing the Total Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—Nova VALUE. 58,724 380,534 22,180 446,798 600 860,723 23,728 23,728 435,449 43,534 176,159 45,989 192,502 11,000 369,758 6,054 832,307 25,000 127,926 Home Consumption barrels of Squid, at \$4.00..... Home Consumption.... barrels. FISH PRODUCTS eish used as manure, Home Consumption 623001..... as bait, Fish used Haddock, at 12 cts., 369233 1784 Fish Guano, tons. 7662 Fish Oil, galls. 142908 4082140 295916 724760 00008 l'obsters, cans. 280 230 10 46 00 8 Oysters, brls. 1861 1862 39 Eels, barrels. 21850 351100 35500 smelts, lbs. 69138 Trout, lbs. Scotia-Concluded. 1534 337515 | | fax Fish Market, \$22,000 56 | | KINDS OF FISH. 600 500 500 620 Bass, lbs. Shad, barrels. 889963 218600 Halibut, lbs. 5880 102021 Haddock,1bs. 1912 43979 47658 294 785 Наке, сит. 15160 92 142 200 5735 Pollock, cwt. Cod, Tongues Sounds, brls. 35 437 рав 587727 Cod, cwt 16145 Alewives, barrels. Colchester..... Yarmouth Halifax.... Total. Guysborough Lunenburg Shelburne. Victoria18 16 167

RETURN showing the Number, Tonnage and Value of Vessels and Boats engaged in Fish, and the Total Number of Men, employed &c.,

	V	ESSEL	s and F	Boat 'ishin		PLOYED	IN	Fishing	M A	TER	IAL.							
		Ve	essels.			Boats.		Nets	s.	w	eirs.		٠					
District. Digby. Salmon River		Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels.	Salmon, fresh, in ice, lbs.	Salmon, smoked, lbs.	Salmon, in cans, 119s.	Mackerel, barrels	Mackerel, in cans	Herrings, barrels.
Di g b y .			\$						\$		\$							
Meteghan and Cape					12	400	24	25 0		1	800		600			100		50
St Mary's Church Point Beliveau's Cove	$\frac{2}{2}$	60	6000 1250 800	70 10 10	60 35 25	1000 600 400	120 70 50	4000 600 400		 2	300					150 200 600		300 50 100
Weymouth	 2 7	 70 30 0	3000 6000	 16 50	15 10 40	300 200 1000	20 20 80	600 300 1200	150	2						300		700
Centreville	4	100	2500	30	4 0	800	80	1000	500							100		800
Little River Sea Wall		60	1000	24	50 30	1200 600	100 6 0	1400 500			1200					300 1000		400 200
Tiverton	4	106	4000	40	30	6 00	60	1600	800							••••		150
Freeport	8	.180	5000	50	90	1400	180	30 00	1500	1	200		300)		50		10 0
Westport	43	800	2500	210	80	2100	160	3500	1750							100)	300
Total	85	2021	54550	510	517	10600	1034	18350	9175	24	4400	_	900	- 	-	2960		3190

the Fisheries, Quantity and Value of Fishing Material, Kinds and Quantities of in the County of Digby, Province of Nova Scotia, for the Year 1880.

_		K	IND8	or Fi	8н.										Fısн	Pro	DÜC	Ts.	
Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Rass, 1bs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons	Fish used as bait, barrels	Fish used as manure, barrels.	Value.
												-	_						\$ cts.
•••••	25	300		500		300	500	ļ	 	ļ	 	20	 		200		ļ		5,805 00
****** ****** ***** ***** ****	150			3000 500 100 60 100 2500 1000	200	5000 1500 1000 100 80 1200 2000	300 300 3000				1000	4							55,930 00 12,670 00 11,118 00 4,085 00 5,036 00 34,155 00 34,895 00
•••••	•••••	1000 300		700 100	600 200	1000 150	2000								1000 200			150 100	17,745 00 13,830 00
34 00								Hak Fres	e S	ou	nds. 8	3000	lbs	99 , 8., 8	at \$1		<u> </u>		8,000 00 600 00
	•••••	2700		1600	390 0	2900		Hak	e S	ou	nds,	440	0 1	bs ,	at \$1	<u> </u>	<u></u>	50	42,480 00 4,400 00 60 00
••••	•••••	2 000	20	1000	2000	1500	2000								3000			300	27,555 00
								Hak Fres	e S	ou isl	nds, 4	400 00 1	0 l' bs.	bs,	at \$1 t 3cts				4,000 00 60 00
2 000	•••••	10000	100	4000	4000	8000	3000		ļ	ļ	ļ	ļ	ļ	ļ	20000			300	115,230 00
1															at \$1 t 3cts				5,000 * 00 60 00
5 400	175	28060	120	1 5 160	15700	24730	15300		ļ		1000	24		 	29900		 	1400	\$402,714 00

RETURN showing the Number, Tonnage, and Value of Vessels and

District. Dist		V	ESSEL		Boat 'ishin		PLOYED	IN	Fishing	Ма	rer	IAL.			-			
District.			Ve	essels.			Boats.		Nets	ı.	W	eirs	ย้					
Medford	District.	No.	Tonnage.	Value.	Men.	No	Value.	Men.	Fathoms.	Value.	No.	Value.	fresh, lbs., in	! Salmon, smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels.
Medford 20 6 600 Pereaux 30 30 50 8 800 Oak Island 8 1500 250 250	$ extbf{\it King's}.$			\$			\$			\$		\$						
Gasperaux 7 70 7 280 84 1000<	Medford Pereaux Oak Island Hall's Harbor Black Rock Harborville Morden Bay Baxter's Harbor Black Hole Scot's Bay Porter's Yoint Little Island Long Island Gasperaux Aylesford	3 3 3	36 36	1600 		12 10 5 5 	240 250 100 100	20 30 8 40 20 50 20 12 41 14 8 6	1500 900 400 1000 450 300 2000 800 1500 750	250 240 120 120 120 50 50 240 500 300	8 1 7 2 	200 100 700 200	 13000					800 200 700 390 150

Boats engaged in the Fisheries, &c.-Nova Scotia-Continued.

					-			=						- 2 -				-	
			KIN	DS OF	FIS	н.									FISI	H PR	ODt	crs.	
Herrings, smoked, in boxes.	Alewives, harrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, 1bs.	Halibut, lbs.	Shad, barrels.	Bass, 1bs	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil gallons.	Fish Guano tons.	Fish us. d as bait, barrels.		VALUE.
																			\$ cts.
2000	50			300 300		400		40 600 75 200 100			6000				1300 100 100 100 100 			100 20 100 1400 150 100 30 200 1000 60 40	2,850 00 110 00 1,230 00 325 00 13,470 00 3,625 00 6,140 00 2,065 00 2,590 00 1,190 00 5,800 00 610 00 1,630 00 820 00 770 00 189 00
5200	50	1100		700		1200		1425		1900	2000 8000				1700		-	3230	\$43,534 00

RETURN showing the Number, Tonnage and Value of Vessels and

	7		ELS A				M-		ISHI:										
District.		Ves	sels.		В	oats.		Net	s.	w	eirs.		To the second						boxes.
Cumberland.		Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No l	Value	Salmon, barrels.	Salmon, fresh, in ice.	Salmon, smoked, lbs.	Salmon, in cans. Ibs	Mackerel, barrels.	Mackerel, in cans	Herring, barrels.	Herrings, smoked, in boxes.
Cumberland.			\$			\$			\$		\$								
Fort Lawrence		85		10	1 3 4 5 3 5 15 3 ²	40 120 200 250 100 100 300 800	10 16 10 30 60	300 3515	330 375 50 150 150 150 180 330	4 3 7 	20 50 30 150		100 500 800 200 250 100 300 3000			20 5 50 30 20 125		250 100 400 100 200 100	
Annapolis. Margaretville Port George, Hampton Rice Cove Hudson's Cove Delap's Cove Lash Cove Gut and Goat Islands Annapolis Basin Annapolis River Round Hill Lequille River	1 2 1 1 7 2	30 20 40 60 11 100 20 	1000 850 200 200 3800 1000	12 7 8 10 6 30 32 	35 25 13 17 12 20 25 60 30 10	1360 500 100	70 50 26 34 24 40 50 60 40 10 6	1500 6240 1350 400 500 700 800 45	200 250 350 400 22 25 100	3 9 8 2 	900		2000 100 500 10800			120		1100 2500 300 1320 800 500 500 100 75 10	23280 20640

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

•		Kı	INDS	of F	ISH.									Fish	ı P	RODU	cts.	
Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels	Bass, lbs.	Trout, lbs.	Smelts, lbs.	Eels, harrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons,	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	VALUE.
																		\$ cts.
50 100 100 50 525 250			20 45 30 150 75 50	75 50 250 100 45		450 650 6000 2000 1500 800	150 5	1400	150 400 100	5000		80	10000 5908 127000 142908		 6 4 10 5 			753 50 2,225 25 3,061 00 723 50 2,046 25 1,275 75 4,231 50 1,442 00 2,640 25 2,600 00 4,880 20 21,100 00
50	100 200 40 150 200 100 300 2166 128		25		100 300	2000 3000 1000 1000 3000 1000 4000 2000 5000								300 320 200 100 50 200 4€0 350 2100 1000		100 150 100 700 100 50 75 20 40 200 50	200 100 100 300 40 30 200 50	5,935 00 10,183 00 11,847 50 2,960 00 6,142 50 5,530 00 5,622 50 3,657 50 5,927 50 32,809 50 14,754 00 15 00 275 00

	7 Fox Point	-	<i></i>			30/	450	09	008	400	lor	2000		135		<u></u>	1000		001	100	10	_
8	8 Mill Cove.	<u> </u>			i	45	675	90	200	250	-1	1400	:	150			200	_ ;	20			
0	9 Lodge	<u>:</u> !	i	i		15	225	30	1500	800	12	2400	<u>:</u>				136	i	:	i	10	
-0		<u>:</u>		_ <u>-</u> -	:	35	520	12	400	200	1	1400		200	-	<u> </u>	420		200		10	
∃	11 Ashpotaghan	-	25	800	9	40	009	08	1200	009	10	2000	<u>:</u>	i		-	900	-	200	Ī	20	
-2			<u>:</u>	i	:	10	150	114	200	400	4	800	:	180			200		150		15	
- 63	13 Blandford	<u>:</u> :	<u>.</u>			65	975	130	8000	4000	10	2000	:	325			1200	i	200	Ī	30	
4	14 Little Tancook	<u>:</u>	i			25	375	20	1200	625	4	800	<u>:</u>	i	-		200	i	009	Ī		
2	15 Big Tancook	-	38	200	10	100	1550	200	1800	10500	12	2500	<u> </u>	360	-	:	1388	i	1250	i	20	
- 9	16 Deep Cove	<u> </u>		i	i	25	375	20	800	400	00	1600	<u>:</u>	80			170	i	50			
5	17 Iron Bound	<u>:</u>		i		20	300	40	400	200	4	1200	Ė	i			1300	i	300	i	i	
175	Totals	145	869	527618	1504	1551	36535	3879	65800	69375	<u> </u>	21600	<u> </u>	6437	1320	1	16174	1400	17288		385	
l												İ										

Різн Р вориств.	Smelts, lbs. Eels, brls. Oysters, brls. Fish Oil, gallons. Fish used as manure, brls. Fish used as manure,	1900 110 80 CIS.	120	10 150 12,758 70	14 200 204000 500 51,997 70	1900 134 280 204000 820 75,063 10		2500 90 64 000 45535 65 400 300 376,845 25	23 00 25 12500 25 160 2 50 126,739 00	2400 45 28795 32 350 280 216,498 75	3000 50 30000 35000 50 450 320 280,700 00	
KINDS OF FISH.	Hake, cwt. Haddock, cwt. Bass, lbs. Trout, lbs.	Ç	110 1600	150 40	30 8	300 48 1600		4200 9000 65000 3000	1100 3000 21600 4500	2000 4560 40000 2300	3200 6400 50000 10 3500	
	Cod, cwt. Cod Tongues and Sounds, bris. Pollock, cwt.		30	175	011	315		56270 50 5000	18290 20 1250	30000 25 2500	38000 30 3000	
	DISTRICT.	Antigonish.	126 Arisaig.	3 Morristown	4 Tracadie	Totals	Lunendurg.	Lunenburg to Cross Island	2 Mahone Bay to Martin's Island	3 Labave River to Iron Bound Island	4 New Dublin to Lahave Islands	

7 Fox Point	20		20/		20			<u>:</u>		·		<u>:</u>			100	_	20/	10,962 75
8 Mill Cove				20	20				<i>'</i> .	-								5,347 50
9 Lodge	20	÷			10		<u>:</u>	_ !			<u>:</u>							1,520 00
10 N -W. Cove	ĸ		i	10	20			i									i	5,938 75
11 Ashpotaghan	100	<u> </u>				:	1	<u> </u>				- <u>i</u>		- !				10,305 00
12 Sandy Beaches	25	- -		 !	30					:					<u> </u>		i	2,863 25
13 Blandford	100	1		i	20									30			:	13,588 25
14 Little Tancook	100			150	15		<u> </u>	_ <u>:</u>						100			i	10,467 50
15 Big Tancook	300	i		i	20	_ !									200		:	20,594 00
16 Deep Gove	100	i		i	50			- :			-				100		i	2,577 00
17 Iron Bound	20			i	20									30	:			14,479 50
Totals	52390	155	11750	10680	23495	177100	=		15800	11100	215		220000	220000 124390	17.		1500 1250	1,176,159 05

RETURN showing the Number, Tonnage, and Value of Vessels

	V					STAC			Fishin Materi										
	,	Ves	sel	3.		3oats		N	ets.	w	eirs		gql						boxes.
District.	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels.		ralmon, smoked, lbs	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels.	Herrings, Smoked, in boxes
Pictou.			\$			\$			\$		\$	ļ							
Pictou Island					12 18 5 10 5 13 12 8 3 6 7 21	185 115		450 140 450 100 1450 1275 1600 450 1100 1050	85 170 50 2000 1860 2000				300 320 320 4160 3905 15680 5000 7850 8700			25 20 6 20 50 65 70		200 220 140 45 60 18 15 23 24 20 65	
Total					120	1915	277	9165	10347				45915			256		830	

and Boats engaged in the Fisheries, &c.-Nova Scotia - Continued.

			Kin	DS OF	Fis	эн.								1	Fi P ro d				
Alewives, barrels.	Cod, cwt.	Cod, Tongues and Sounds, barrels.	Pollock, 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 bait, barrels.	Fish used as manure, barrels.	Value.	
																		\$ ct	3.
20	250			40										35				2,355	25
******	65 50			30			•••	•••			ļ	15	75000	20				12,814	25
	$\frac{50}{25}$	•••••	•••••			••••						•••••		• • • • • • • • • • • • • • • • • • • •				820	
	32			10						•••••							•••••		25 00
	12			15										:8		10		821	20
	14			20										23		10		860	
	12			24							3			28		12		2,836	
											4	ļ						786	00
•••••	10			30	 	ļ	ļ	ļ	500	150	6	 		30		12		2,045	50
******	16			25					200	1000	2			26		10		2,307	40
::	6 0			100		ļ	ļ				ļ		120000	100		16	ļ	19,646	00
20	546			294					700	1150	15	15	195000	280		70		45,989	75

RETURN showing the Number, Tonnage and Value of Vessels and

	V	esse	LS AN	D Bo		Емрьс	YED	Fishi	ng M	ATER	IAL.					
		Ve	ssels	•		Boats	1.	Net	s.	We	eirs.		e, lbs.	, s	, si	
DISTRICT.	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels.	Salmon, fresh, in ice, lbs.	Salmon, smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.
Victoria.			\$			\$			\$		\$					
New Campbellton Great Bras d'Or Boularderie North Shore English Town Grand Narrows Wreck Cove St. Ann's Bay Smokey Head Baddeck Washabuck	1		400		90	1800	180	5000	435 2250			11 10 8 8 4		1		250 100 50 475 10 60 25 15
Home consumption in above districts. Bay St. Lawrence,	1	18 12	800	 5 5 		240 900 320 1000	60 24 90 32 100 100 28 100 1624	1500 4500 3000 1200	216 1125 450 1350 900 360 1500		 	8				70 75 300 150 1600 2870

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

_				Kin	DS O	f F	181										Fis	н Ра	ODUC	тв.	
Mackerel, in cans.	Herrings, barrels.	Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, 'ewt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelts, lbs.	Eels barrels.	Oysters, barrels	Lobsters, cans.	Fish (il, galls.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	VALUE.
*** *** *** *** *** *** *** *** ***	50 80 50 37 50 30 150 20			200 700 370 600											30		150 210 100 190 				7,602 50 4,212 50 165 60 1,647 50 8,159 50 1,937 50 3,39 4 50 970 00 1,297 50 60 00 90 00
	50 30 50 278 120 200)) 		1200 1000 1500 1800 2000 4110 2500	0	.		150 150 300 500 1000 130 500 2730									150 190 200				9,237 50 6,955 00 6,392 50 7,298 50 9,650 00 11,535 00 25,767 50 6,932 50 23,860 00

A. 1881

RETURN showing the Number, Tonnage, and Value of Vessels

	V	SSELS	AND B	OATS SHING		OYED I	N	Fishi	NG MAT	FER	IAL.							WHITE STATES
		Ves	se!s.]	Boats.		Net	ts.	V	Veirs.							
DISTRICT.	No.	Tonnage.	Value.	Men,	No.	Value.	Men.	Fathoms.	Value.	No.	Value.		Salmon, fresh, in ice, lbs.	Salmon, smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels
Shelburne.			\$			\$			\$		\$							
Jordan Ray Jordan Ferry Wood's Harbor Shag Harbor Bear Point West Barrington	1 1 7 6 6 20	89 60 240 210 200 484	4500 1800 5000 5000 6200 13000	16 14 61 60 60 140	16 25 100 50 25 8	1150 760 1200 1100 500 200	20 70 130 60 45 20	2500 2000 3000 5000 4200 2000	800 450 1000 1200 1400 650	 5 	3500	 2 				200 70 1568 250 18 6 50		500 300 200 100 100 50
Port Latour and Baccaro Cape Island Upper PortLatour Cape Negro and	1 16 8	72 793 309	3000 25500 13000	12 220 71	155 150 50	2500 6750 1200	158 300 90	8000 12000 3000	2500 2800 900	1 10 	1400 7000					400 4524 50		1200 500 500
Blanche Port Clyde North-West Har-	2 3 4	95 110 203	4500 3000 8000	19 24 49	55 15	1450 750 350	110 30 30	3500 900 550	1200 350 180	1	1000			: 		450 50		700 120 25
North-East Har- bor and Cape Negro Island Black Point and Red Head	2		1700	15	15 30	60 0	30 75	1100 3000	390 90 0	-	800					30		400 100
Roseway and Mc- Nutt's Island West Shelburne East do Lockport Amount of fish	1 12 27	59	1500 2000 43900 99500	142	30 14 42 33	2000 700 650	85 33 50	2500 15 6 0 3500	800 550 1600							25 50 100		50 400 1000 1800
consumed in County		5706	241100	1290	805	25350	1411	61110	19170	18	13700	2	 			9097	80	8045

and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

=																			·	_
		Kı	nds c	F Fis	зн.										Fish	Рво	DUC	rs.		-
Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Fass, Ibs	Trout, lbs	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	VALUE.	
																			\$ c	ts.
 	20 300	3000 1500 1800 2500 2550 7000		200 50 350		490 200							ļ	252760 100000	550 500 1200 1050				18,735 10,493 63,769 14,742 31,170 34,850	50 00 50 00
······ ······	30 25	5000 15140 6500		2000 2500 150		800 1000 300								17000 185000	2600 5750 3500				44 222 155,322 34,075	50
*****	30	3500 1200		60		500 150								60000	3 000 8 00				35,085 7,245	
••••	•••••	3500				100									15 00				16,300	0 0 -
•••••							.:												6,552	
•••••	30			25		600	ľ		•••	•••			•••						7,137	
•••••	100	2000 1300				400 300				•••					1000 400				11,000 9,335	
•••••	20	16250	l		ļ	400		ļ						48000	5000				85,99 2	5Ò
•••••	•••••	46000		200		500	280 00		•••		•••		•••	62000	31000	•••••			246,280	VO-
								ļ											25,000	00
•••••	555	120140		5735		6865	28000	_		-	-	4	-	72:760	62300		<u> </u>		857,307	00
_					1	1						-							,	-

RETURN showing the Number, Tonnage, and Value of Vessels and

DISTRICT. Cape Breton. Sydney Fork.	Tonnage.			В	oats.		Net			-		ice,		Ī	1	1	
Cape Breton.	Tonnage.		İ				Neu	s.	Weirs			rresn, in	smoked, lbs.	cans, lbs.	barrels,	cans.	rels,
-	1	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.		۱۵	Salmon, fre	Salmon, smol	Salmon, in c	Mackerel, ba	Mackerel, in	Herrings, barrels,
Sydney Fork		\$			\$			\$		\$	1						
Coxheath S. side of N. W. Arm S. side of N. W. Arm S. side of N. W. Arm S. side of N. W. Arm S. side of N. W. Arm S. side of N. W. Arm Albert Bridge Mira River Round Island False Bay Beach Wadden's Cove South Cow Bay Black Brook North Cow Bay Long Beach Schooner Pond Big Glace Bay Little Glace Bay Little Glace Bay Bridgeport Lingan and Barachois Low Point Shore	1 18 1 36 1 27 1 18	1200 800 1000	 9 5 5		70 50 200 200 90 449 232 64 160 650 16 350 98 45 200 420 320 200 244 468 56	10 12 40 26 9 32 11 10 23 36 2 22 22 20 6 48 70 42 22 23 34 59 7	180 360 780 800 250 740 750 1400 150 660 100 1550 2000 840 1240 2920 110	269 250 250 450 56 220 230 40 500 650 288 420 1186			3 6 9 	1500 200 540 180			355 3 9 600 70 333 4		40 125 160 180 60 96 100 216 200 750 90 210 340 402 35 510 402 258 859

Boats engaged in the Fisheries, &c.-Nova Scotia.-Continued.

		Kı	NDS ()F	Fis	н,	The second state of								P	Fis Bodi		:		
$egin{array}{ll} Herrings, & smoked, & in \ boxes. \end{array}$	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, 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 bait, barrels.	Fish used as manure,	VALUE	E.
	6 90	12 39 6 100				15 18 12 10 15 13 13 20 15 15 15 15 15 15 15 15 15 15 15 15 15	1800			200 200 200 400 300 300 250	1000 600 800 609 1000 500 600 400 2400 800 2500 3400	4 4 3 5 3 20	13		4 10 2 33 195 33 65 140 250 80 2138 10 27 140 47 79 52 139 3	3 3 10 12	12 26 41 6 7 2 2 5 20 9 13		\$ 400 626 860 809 843 4,046 1,153 2,201 3,395 1,815 2,834 1,496 2,703 3,296 2,065 2,244 2,248 6,218 336 378 1815	60 80 45 50 95 50 00 00 95 50 80 35 30 60 45
	126	3827		-		145	2000	1		355 0	15400	106	13		3457	37	267		47,156	30

RETURN showing the Number, Tonnage and Value of Vessels and

	,		ELS A			ATS EN	- L	Fishin	G MA	reri.	AL.							
District.		Ves	sels.		1	Boats.		N et	s.	Wei	irs		, in ice, lbs.	ed, 10s, at	cans, lbs.	rels.	cans.	rels.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, brls.	Salmon, fresh, in ice, lbs.	Salmon, smoked, 15 cts.	Salmon, in ca	Mackerel, barrels.	Mackerel, in	Herrings, barrels.
Vape Breton-Con.			\$			\$	ļ	-	\$		\$							
Brought forward	5	118	375 0	29	304	4582	571	17870	6354			21	4120	960		232		5289
North-East Bay Long Island George's River Little Bras d'Or. Point Aconi Mill Pond Fife's Mill Little Pond Big Pond Lloyd's Cove North Bar North-West Arm Leeche's Creek Ball's Creek Ball's Creek Ball's Creek Horn's Mill Kennington Cove Louisburg Big Loraine Little Loraine Baulin Main à Dieu and Scatterie	3	30	300	44 8 18	86 62 22 84 22 88 22 44 85 85 161 133	160 120 40 80 80 40 40 4250 270 2550 1880 800 500	160 141 600 400 2000	680 240 80 120 160 200 320 80 160 7400 3400 5660 2760 950	374 132 44 66 88 44 110 176 44 88 3706 1700 2780 138 475	150		2 5 14 10	200 700 440 150			1230 100 660 564 800 325		800 150 200 80 2500 100 100 1000 905 960 455
Mira Bay Chatelone Grand Mira and Lewis Bay	i · ·				29 28 24	560	56	1600	800)		13						620 20
East Bay and Big Pond Belfry	g - -		-	.	. 33	330 600	66	720	400	0		.				60		400 140
Total	. 1	38	818	0 8'	762	20902	1828	51560	2221	5 120	22	5 90	5950	960	·····	6756		16987

Boats engaged in the Fisheries, &c.-Nova Scotia-Continued.

=	_							-	_										
_		Kin	DS 0F	F	ish.										Fisi	н Рв	0 DUC!	rs.	
Herrings, smoked, ın	Alewives, barrels.	- 1	Cod Tongues & Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, 1bs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallens.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	VALUE.
																			\$ cts
•••••	126	3827				145	2000	1		3 55 0	15400	106	13		3457	37	267	¦	47,156 30
	5	50 100 1600 250 100 125 100 40 80	5			50 15 10 5 5 5 100 990 160 60	100 50 1200 1000 2000			250 150 100 200 100 60 70 200 50	1000	3 4		9600	13 25 400 63 25 31 25 19 20 112 5000 2830 1962 1020 502				105 00 251 99 486 21 10,463 01 1,765 99 1,291 2: 26 00 1,045 44 1,402 7: 563 5: 1,372 5: 2,227 3: 454 6: 490 7: 60 0: 51,081 0: 84 0: 2,443 0: 30,896 5: 22 410 8: 18,493 0: 8,465 0:
•••••		4800 1725 1395				650 60 100	3100 400 400	 	 				 		3000 1353 900				52,905 00 21,157 70 12,352 78
•••••	20	200				10		 	 	300	4000	 			150	 			1,430 50
·····	5	500						 		150 50	300	<u></u>	20	<u> </u>	100 250	<u></u>			2,979 00 3,468 50
	169	29967	5		410	2870	11550	1	ļ	52 30	22400	142	46	9600	21248	37	503		297,329 2

RETURN showing the Number, Tonnage and Value of Vessels

	,	Vesse	LS AND	Boa Fish	TS E	MPLOYI	ED	Fısнı	ng Ma	TEF	IAL							
District.		Ve	essels.			Boats.		Net	is.	V	Veirs.	rrels.	sh, in ice,	oked, lbs.	cans, lbs.	arrels.	n cans.	barrels.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	Number.	Value.	Salmon, ba	Salmon, fresh, in ic lbs.	Salmon, smoked, lbs.	Salmon, in cans, lbs.	Mackerel, barrels.	Mackerel, in cans.	Herring, be
Queen's.			\$			\$			\$		\$							
Liverpool Port Medway Port Mouton Brooklyn Coffin Island	13 7	305 501 250 90	6500 21300 6500 1300	72 98 41 20	13 21 96 25 18	415 1689 2460 750 920	36 50 134 50 53	1720 1980 4020 1400 1320	2360 990 2010 700 660				1200 2313 1300		 	990 213 20 	 	759 249 3250 160 567
Port Jolly Port Lebert Somerville Hunt's Point	1 1 2	35 35 	1200 1000 6800	9 6 14	38 25 12 25	1900 1020 446 11 2 0	62 25 22 50	400 240 240 1800	200 120 120 900									60 50 50 400
White Point West Head Moose Harbor Black Point Eagle Head	' 				7 34 7 17 10	140 720 140 465 120	14 68 14 50 25	568 1700 400 700 600	280 800 200 350 250							190 90 280		145 600 150 260 115
Blueberry Pudding Pan Milton Mill Village					8 12 58	96 144 385	16 26	800 480 1040	400 240				200 300 2700 300			116	 	115 280
Amount of home consumption					10 436	100	781	19408	11127			 	8313	<u> </u>		1974		7210

and Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

																_				
		· ·	Kind	s of	Fish	•									Fish	Pa	ODUC	TS.		_
Herring, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, cwt,	Hake, cwt.	Haddock, lbs.	Halibut, 1bs.	Shad, barrels.	Bass, 1bs.	Trout, Ibs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	Value	•
																			\$	cts.
•••••	50 74	4435	30		 685	343 196	15000 8000							97900	2 200			100		
•••••	2	7730 2770	25 15	76 5 0		50	4000	•••			•••••		•••	37200 75000	4033 1680		150 200	160	48,977 38,297	
•••••		2200	10			25	1000							13000	1100		50		11,107	50
•••••		1080	6			178	1000								800		100		8,903	
•••••	20	1200	4			30	600								720		30			
•••••		200	4				600					5					10			00
•••••	•••••	225	3					•••		•••			• • •		180		25	100	1,369	
	•••••	1400	6		100			• • • •	•••	•••	•••••	•••••	• • •				100	20	8,507	00
••••		175	5				300 0 600	•••	•••	••••	•••••	•••••	•••		150	•••	20		1,706	
*****	•••••	1600	10			200 15			•••	•••	•••••	•••••	•••	ļ	900 30	•••	100 600	100	12,591 2,427	25
••••		45 150	2 2			20			••••	•••	•••••	•••••	•••				700		5,385	
•••••		80	3			25			•••						50		25		966	
*****		80													50				871	
•••••		260				45									90				3,727	
*****	35											5							230	
•••••	400										400 0	30							2,515	00
•••••	288	•••••										15							1,332	00
••••						ļ	 	 				 				ļ			11,000	00
•••••	869	23630	130	126	785	1127	32800			 	4000	55		112200	12878		2510	630	203,502	15

RETURN showing the Number, Tonnage and Value of Vessels and

	V 1	rssel	S AND IN F	Boat ishin		MPLOYI	ED	Fishi	NG MA	TE	RIAL.			Kin	D S 0 1	F Fish	,	
Дізт віст.		Ve	ssels.			Boats.		N et	ts.	w	eirs.	els.	h, in ice,	smoked, lbs.	cans, Ibs.	ri d	cans.	ri.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels.	Salmon, fresh, lbs.	Salmon, smol	Salmon, in c	Mackerel, brls.	Mackerel, in	Herrings, brls.
Yarmouth. Bay Shore to			\$		١	\$			\$		\$,					
Yarmouth Town	16	293	12550	101	55	6000	174	13000	9000	9	18000					4785		1191
Yarmouth	24	1240	5700	348	20	5000	78	2000	1400	6	12 000		200			3414		750
Cheboque					12	800	30	1000	700							24 0		180
Little River	2	40	1000	17	51	625	100	1200	322							108		3 93
TusketWedge	18	837	37000	247	25	1200	78	6000	350 0	1	2000	ļ	867			1390	240 0	1080
Salmon River	1	30	65 0	4	40	250	50	5000	2000				850					
Tusket River	ļ				145	1800	160	20000	7000			ļ	1308			50		40
East River					80	550	100	4000	2000			ļ	65 0					
Eel Lake and Brook	2	57	12 00	17	45	30 0	50	1800	900					ļ		330		175
Argyle	2	92	2400	24	30	35 0	90	2000	1000								96 00	
ArgyleSound	4	178	9600	46			ļ											
East & West Pubnico	36	1924	123500	569	40	1800	90	10000	40 00	2	4000)				2997		396
Total	105	4691	244900	1373	543	18675	1000	66000	31822	18	36000	0	3875			13314	12000	4205

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

_					F	KINDS (or Fisi	ч.							Fish	PRO	DUCT	3.	
Herrings, smoked, in boxes	Alewives, brls.	Cod, cwt.	Cod Tongues & Sounds, barrels.	Pollock, cwt.	Hake, cwt	Haddock, 1bs.	Halibut, lbs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels	Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as bait, bar- rels.	Fish used as manure, barrels.	VALUR.
ji																			\$ cts.
*****	82	3 330	48	l 4 80		905	41800	20						:	3225	625	240		90,157 25
•••••	45	21325	66	1285		1805	13500								8830	240	720		150,127 75
•••••		185	6	80		60	80●							 	85	ļ			4,541 50
•••••	12	4 00	1	68	25	69	700			 	500	8	ļ	15506 6	2 66	ļ	35	2000	23,585 80
• • • • • • • • • • • • • • • • • • • •	60	1 05 10	3 8	1 27 0		2355	1530 0				,		ļ	76800	6500	40	540		94,374 05
•••••	1480	50	2	10		20	50 0	ļ		650	10000	15	ļ			ļ			7,183 00
•••••	2772			 .						1200	25000	70				ļ			14,146 20
•••••	476	 .	ļ					ļ	ļ	850		10		ļ		ļ			2,142 50
640	400	840	4	50	ļ	100		ļ	ļ	200		250	ļ			ļ	40		12,185 00
•••••	540	650	4	100		200		ļ	ļ			25	 	81600	350		60	1000	20,693 00
•••••		5000	8	ļ 		400	2000				ļ	12			1550	ļ	120		24,061 50
	60	34100	72	1875		6425	144000			ļ		30			1 37 10	80	1080		226,374 50
640	5927	76390	249	6218	25	12339	218600	20		2900	35500	420	 	273466	34516	985	2835	3000	669,572 05

RETURN showing the Number, Tonnage, and Value of Vessels

	V	SSEL	s and I	BOATS	s kmi	PLOYED	IN	Fisht	ng M	A TER	IAL.	. All all all all all all all all all all						
District.		V e	essels.			Boats.		Net	s.	We	irs		in ice,	smoked, lbs.	, lbs	ls.	ns.	ś
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels	Salmon, fresh, lbs.		Salmon, in cans	Mackerel, barre	Mackerel, in cans.	Herrings, barrels
Hants.			\$			\$			\$									
Maitland					3 7 75 17	2J5 25 75 120 250 300 850	6 14 75 24	850 1900 525 3125	450 450 1260	1 1 3 1 4 4 2	100 310 250 100 500		900 150 175 500 200 1930					50 74
Total					111	1835	137	8170	2805	20	2100		3875					674

and Boats engaged in the Fisheries, &c.-Nova Scotia-Continued.

			Kin	DS OF	Fısı	Ι.									Fı	sn P	RODU	ers.	Cambridge III - Andready Advantage
Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, Ibs.	Halibut, lbs.	Shad, barrels.	Bass, 1bs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	VALUE.
																			\$ cts.
	•••••	15			ļ	11	ļ	245	ļ			ļ		ļ. .			ļ		2,205 05
		10 9	•••••			.9		30	1000	•••					9				342 35
		12				10			1000 1200	•••		1	1		10				606 00
•••••		11				10			1500			•••			10				899 50
						10		25							0				2,339 95 230 00
•••••		10							1200						8				1,095 70
•••••		15				l	l	144		l	l								1,035 70
•••••		12				16		399							13				3,633 45
•••••	270								950				1		l	l			1,429 50
:::	•••••	20						650			27000			ļ				i	9,105 00
	270	114				56		2016	6350		27000				70				23,212 25

RETURN showing the Number, Tonnage and Value of Vessels and

	V	ESS	ELS ANI IN		ATS I		Y E D	Fishi	NG MA	TE	RIAL.							
District.		v	essels.			Boats.		Net	s.	V	Veirs.	rels.	fresh, in ice,	smoked, lbs.	in cans, lbs.	arrels.	cans.	rrels.
,	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms	Value.	No.	Value.	Salmon, barrels.	Salmon, fre lbs.	Salmon, sm	Salmon, in	Mackerel, barrels.	Mackerel, in cans.	Herring, barrels.
Guysborough			\$			\$			\$		\$							
Fishermen's Harbor to Coddle's Harbor	1 2 3 	68 76 	2000 2200 1900 1000	6 16 18 	114 80 184 204 98	3382 2000 3520 4284 1960	167 120 368 204 160	8000 16800 16000 12000	4000 8100 8000 6000	 2 21	550 200 5000				336	730 400 840 1530 500		1420 1200 1260 5100 500
Canso and Dover Guy-borough North Shore Strait of Canso. St. Mary's River Sonora and St- Mary's Bay Little Liscombe,		192 50 144 	11200 1000 2500 800	43 10 34 	164 94 80 100 25	6840 2700 1600 2890 370 280	312 150 120 180 38	13200 12000	12000 340	5 4 6 	400	25	5300	310		1968 1820 1100 2950		1554 880 1200 3050
Big Liscombe & Spanish Bay Marie Joseph Harbor Ecum Secum Bay Wine Harbor Indian Harbor	 2		1000	20 7	58 50 23 10 40	2000 1000 460 120 400	90 64 20 50	1470 1150 1200 2000	650 400 360 600	1 2 1	60 100 40		140 100 150 400	300 200 600		10 5 0		300 160 220 320 120
Holland's Harbor Port Bickerton Gegogan Harbor	1	12	100	3	6 25 6	70 350 120	10 33 18	160 720 500		1	60	 2 	140 300 350	1 6 0		10 70 5		30 90 120
Total	23	767	24000	171	1383	34256	2255	153390	74080	- 74	12110	 93	10530	1770	3 3 6	12403		17884

Boats engaged in the Fisheries, &c.-Nova Scotia-Continued.

																				_
		Kinds	OF .	Fish.											Fish	Pr	opac.	TS.		_
Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels	Pollock, cwt.	Hake, cwt.	Haddock, lbs	Halibut, 1bs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons	as	Fish used as manure, barrels	VALUE	•
																			\$ c	ts.
•••••	20	1325	5		530	530	5300			1000	· · · · · · · · · · · · · · · ·		 	124800	1192		100		42,459	45
	10	1600		40		400	6000			1000		5			1100		100		18,460	00
••••	20	3 3 60	5			840	4200					10		53200	2000				40,632	
•••••	300	252 5			200	1500	500					5		91296	1020		100		68,308	65
******	•••••	500			400	500								86400	500		700		26,410	00
	86	7500	10			1000	4000					10	1	96336	3750	•••	700	••••••	80,327	
••••	350 150	440	3		220	220	······	•••	ļ	600	••••••	10			220 400	•••			27,195 22,957	
•••••		800		•••••	225 280	550			••••		•••••	•••			400	•••	50		42,680	
*****	30	•••••••			200					1400	6000	4				•••			1,516	
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•••••	200	1800	6			200	2000	ļ		1000	2 000	5		65280	90 0		8		23,189	50
•••••	2	1400	.1			100	1500				1500	2		57648	900		7		17,958	20
*****	•••••	900	2			100	1800		\	1200				31040	450		4		6,145	50
*****		200	ļ		10		600				1000	ļ			160		2		2,579	
*****	12	220			20		100		 	200					150		3		2,301	
****	*****	95	······		7		200		1	800			1	E2100	50				761 10,417	
*****		250 260	3		20	20	700			100	ļ		1	53100	160 180	ļ	····i		1,905	
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*****	1182	23425	35	142	1912	5880	27700			9600	15500	61		676060	13282		1885		447,398	95
_	<u></u>		1	<u> </u>	1	1	1	1	1	1	!	<u>_</u>	1	1	<u> </u>	<u>'</u>	<u> </u>	<u> </u>		

RETURN showing the Number, Tonnage, and Value of Vessels and

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	1	esse.	LS AND	Boa Fishi		IPLOYE) 1N		rishing Ateriai								
District.		v	essels.			Boats.		N e	ts.	T. C.	w eirs.		ce, lbs.	lbs	lbs.		
DIBIRION	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barrels.	Salmon, fresh, in 1ce, lbs.	smoked,	Salmon, in cans, l	Mackerel, barrels.	Mackerel, in cans.
Richmond.			\$			\$			\$		\$						
Home consumption in above districts	 4 6 26 4 5 13 6	115 190 727 95 170	3700 4750 15000 400 3100 7500 2400	27 	68 18 8 13 32 11 130 36 50 9 81 90 80 50 12 10 5	2584 288 312 520 1216 220 2500 490 750 150 1650 1500 1000 240 400 100	195 43 18 32 64 33 285 44 100 18 150 200 80 24 20 10	2240 3120 10240 2000 8360 1840 6500 1400 5000 6000 3400 8000 2000 1000	1700 720 672 936 2560 800 42(0) 1530 2250 500 2100 2100 2100 400 1000 500			15 6	300			272 90 56 117 320 300 2000 240 1250 400 350 400 130 350 200	
Polimand Port Richmond Cape Le Rond Rocky Bay Little Anse Gros Nez River Inhabitants and	1	1:0 25	2800 600	30 5 	2 15 30 31 36 70	40 200 900 930 1080 1300	20 60 62 80	4000	675 1500 3000 2000 1200 2500							120 100 300 400 150 400	
Basin Black River Martinique and Lennox Passage		95 30 30	1200	25 6 5	40 21 3	700 126 100	60 21 6	800	4000 400 300			10				500	
Total	_	2493		5 8 0	951			100230	40843		<u>-</u> -	301	600		<u></u>	9 24 5	

Boats engaged in the Fisheries, &c.—Nova Scotia—Continued.

		,	K	INDS	o f	Fish										Fish I	Pro	DU	ств.	
Herrings, Darrels.	Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt	Cod Fongues and Sounds,	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Hass, Ibs	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, galls.	Fise Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	Value.
																				\$ c1
04 52	•••••		3740												95000	1836				34,874
20	•••••	•••••	360 128						•••			•••••				180				3,555
90			195							ļ		•••••	•••••			64 91	• • • •			2,425 (3,617
60 60			192													96				7,918
00 00	•••••	10	450	4		10	200			 .						300				6,710
20	•••••	25	1700			8	3700							•••		2300		ļ		45,623
90	******	30	430 2000		• • •	80	620 300	448	•••	•••		•••••	7	•••	125000	400				26,377
50	•••••	30	5000	40				1000					10			900 1200				23,510 (27,830 (
																	ļ			6,054
50 00		10	50.0				1100								99368	1300				49,690
90	••••••	100	400				1800						4			250	ļ	ļ	[]	13,598
50	•••••	20	2000	1		100	1500		••••	•••						1500		 		21,332
10		140	400 50		•••		1000 550		• • • •	•••	•••••	1000	20			450 450		•••		11,382 5,090
90		440	4000	5 0			200				•••••	1000	20		50000	400				30,110
25 30			1000	15			20.7	900					1		30000	300				7,504
501 501	•••••	•••••	200	5			50	300					4			50				2,866
50	•••••	20	100		2	20	50	200		•••		•••••	2			40				5,763
00	•••••	•••••	100 200			20	50 500						2			25	ļ			5,034
00		•••••	100	l z	ļ	40	230			••••						250 159	•••			10,491 5,627
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50	•••••	100	100				3				200	500	20				 			1,657
41	_				 				-					-			l	_		

RETURN showing the Number, Tonnage and Value of Vessels

Little Dyke 7 175 14 1750 420 4 340 Great Village 1 35 2 300 60 1 50 Great Village Point 4 120 8 1000 225 2 200 Highland Village 4 100 9 1200 240 1 150 3 150 Portapique 2 2 500 20 200		Ves	SELS		nd Bo n Fis		EMPLO	YED	Fish	ing l	Латі	RIAL.							
Mass Town	DISTRICT.		Vess	els	l.		Boats		Net	.s.	W	eirs.	ls.	in	ed, lbs.	ns, Ibs.	rels.	ans.	els,
Mass Town. 10 300 20 2500 600 600 600 Debert. 1 35 2 250 60 1 60 1 Little Dyke. 7 175 14 1750 420 4 340 340 Great Village 1 35 2 300 60 1 50 20 Great Village Point. 4 120 8 1000 225 2 200 200 Highland Village. 4 100 9 1200 240 1 150 3 150 2 Portapique. 2 2 200 1 500 22 200 200 200 200 200 200 1 500 2 2		No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	Value.	Salmon, barre		Salmon, smok		Mackerel, barrels.	Mackerel, in cans.	Herrings, barrels,
Debert	Colchester.			\$			\$			\$		\$					_		
Princeport 3 75 6 650 256 700 Lower Stewiacke 13 65 13 110 78 800 Forest Glen 5 25 5 42 30 665 Middle Stewiacke 6 30 6 50 37 335 Stirling 25 680 30 250 162 350	Mass Town. Debert					1 7 7 1 4 4 4 3 3 3 5 11 6 6 6 3 3 13 5 6	300 35 175 35 120 100 120 130 250 440 	2 14 2 8 9 2 11 8 , 7 12 32 8 10 4 17 12 6 6 13 5	250 1750 300 1000 1200 1000 1500 3850 500 1120 650 112 42 50	200 200 250 200 200 250 200 200 250 200 250 25	2 3 2 1 2 6 5 6 4 5 	500 600 900 500 400 1500 5000 4000 600	1 4 1 2 3 2 1 2 1 4	60 340 50 200 150 400 400 700 680 1000 700 800 665 335					5 12 5 100 5 76

and Boats engaged in the Fisheries, &c.-Nova Scotia-Continued.

		K	INDS	of	Fı	sH.									Fis	ян Pr	opuc	тв.	
Herrings, smoked, in boxes.	Alewives, barrels.	Cod, ewt.	Cod Tongues & Sounds, barrels.	Pollock, cwt.	Hake, cwt.	Haddock, 1bs.	Halibut, Ibs.	Shad, barrels.	Bass, lbs.	Trout, lbs.	Smelts, lbs.	Eels, barrels.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as bait, barrels.	Fish used as manure, barrels.	Value.
																			\$ cts
••••								300										<u> </u>	2,580 0
*****	•••••	•••••						25											224 0
*****	•••••	•••••						187											1,607 0
*****	•••••	••••						25						1					222 5
*****	•••••	•••••	•••••					82							•••••				716 0 1,259 5
*****		•••••			•••		•••	149 67	•••••		3000						•••••		716 0
•••••				•••	••••		•••	213	•••••		3000	•••••			•••••				1,794 0
•••••		******	•••••				•••	190										l	1,595 0
*****								171											1,428 0
•••••	·····			l				291											2,423 0
		•••••						688		 			1						5,717 0
10		•••••						210											1,700 0
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*****		•••••						10		165									189 6
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60	63			1	I					l	l		·—					11	

	ui '	Herrings, smoked		
		Herrings, darrels		100 350 150 150 160 160 50 20 30:0 100 20 20 30:0 100 20 20 20 20 20 20 20 20 20 20 20 20 2
ЗН.	*1	Mackerel, in cans		7300
KINDS OF FISH		Маскетеј, ратгеја.		2100 1100 1700 2250 12000 2750 1500 500 500 500 500 500 500 500 500
CINDS	ba.	Salmon, in cans, Il		432
F		Salmon, smoked,		2600 2600 2502 250 1920 1200
	,99i	Salmon, fresh, in i		6000 1200 1800 6600 6600 6000 10200 1200 1200 10000 10
		Salmon, barrels.	÷.,	9
AL.	Weirs	Value.	69	93400
ATERI.	W	.oV		559 559 569 570 570 570 570 570 570 570 570 570 570
FISHING MATERIAL	sć.	Value.	€	1235 1235 12426 3426 3426 3426 3426 3426 3426 3426
Fish	Nets.	Fathoms.		8500 9000 3700 13500 13500 45000 6800 6800 6475 29400 1200 22180 8520 8520 8520 8520 8520 8520 8520 85
ž		Men.		1890 1900 1900 1900 1900 1900 1900 1900
OYED	Boats.	Value.	€9	180 8500 130 9000 130 9000 130 9000 130 1300 130 1260 130 1260 130 1260 140 1260 150 1260
EMPI		.oV		1190 1110 1110 1110 1110 1110 1110 1110
Водтя Fishing.		Men.		30 30 30 30 30 30 30 30 30 30 30 30 30 3
VESSELS AND BOATS EMPLOYED IN FISHING.	Vessels.	Value.	€9-	10800 10800
SEELS	Ves	Топпаке.		150 60 60 60 150 150 172 140 140 140 140 140 140 140 140 140 140
VE		.oV		2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		D ізтвіст.	Halifax.	North Shore East Margaret's Bay Indian Harbor De Peggy's Gove Prospect. Terence Bay Pennent. Sambro. Pennent. Sambro. Pergusos Cove Herring Cove. Herring Cove. Bodford Basin Amount sold in Halifax Fish Market Ecum Secum to Sheet Harbor Mushaboon to Pope's Harbor Mushaboon to Pope's Harbor Mushaboon to Pope's Harbor Mushaboon to Ship Harbor Mushaboon to Ship Harbor Mushaboon to Pope's Harbor Sober Island to Ship Harbor Mushaboon to Pope's Harbor Mushaboon to Pope's Harbor Mushaboon to East Chezzetcook Mushaboon to East Chezzetcook Musquodoboit Harbor to East Chezzetcook West Chezzetcook to Lawrencetown Coal Harbor to Eastern Passage

SH PRODUCTS.		VALUE	₩		23,825 00 20,49C 00																						884,451 80
18.	6	Fish used as manure, barrels.								:			:					-				-	:	:	:	<u>:</u>	::
FISH PRODUCTS.		Fish used as bant,			288	o o	7 ×	150	18	128	28	<u>ن</u>	, j	, s	5 			_:	:	:	:	:	:	:	:	<u>:</u>	1605
н Рв		Fish Guano, tons.										<u>:</u>		<u>:</u>	<u>:</u>	<u>:</u>			_							w.	
Frs	2	Fish Oil, gallons.		•	031 086 7	200	06	180	2190	1530	2700	1800	360	4202	3		1018	443	1808	1236	1128	1995	2391	1303	1065	t 12 cts	32089
The administration of the second of the second of		Lobaters, cans.				90006	2000	7510			0F80G	:	:	:			2 30720	152496			87696	-	129600	-		Haddock a	678862
		Oystere, barrels.				<u>:</u>				<u>:</u>	<u>:</u>		<u>:</u>	<u>:</u>	<u> </u>								:	•	:	d Ha	
		Eels, barrels.			 	: "	. 5		:	:	ස :	≘ 	<u>:</u>	:	<u>:</u>									30		Ч	357
		Smelta, lba.				<u>!</u>													_					120000		_	169550
OF FISH.		Trout, lbs.															100	2007	1000	800	20	20	200	1 00			10100
Fish.	i l	Bass, Ibs.			<u>: :</u>	:	: :	:	:	:	:	<u>:</u>	<u>:</u>	<u>:</u>	:	:			:	:	:	:	:	:	_:	14,40	:
je.	-	Shad, barrela.			! !	<u>:</u>	<u>: :</u>	:	<u>:</u>	÷	<u>:</u> ,	<u>:</u>	<u>:</u>	:	<u>:</u>			-:	-:	<u>.</u>		<u>:</u>		::			:
KINDS OF	TO STATE	Halibut, lbs.				000			20000			12000		00000	3			120	-		:	2000	:	5.39	:		337515
Υ.	4	Haddock, lbs.			250	9 6	250	100		<u>:</u>	:	<u>:</u>	<u> </u>	<u>:</u>	<u>:</u>		2	•		12			196	23	:	_ <u>.</u>	1534
Kinde		Наке, сме.			800	006	580	1000	1450	1250			406		04	3		40	585	51				23	:		11026
		Pollock, ewt.			<u>: :</u>	:	: :	:	:	:	:	:	:	:	:	:_		_:	:	:	:	24	37	'n	:		192
		Cod Tongues and Sounds, darrels.		_	171	ဂ္ဂ	22	40	44	56	8	64	7001	901	•				-					:	:		476
		Cod, cwt.		ç	850	000	1060	2000	2200	1300	4500	3200	907	0000	3		2096	885					_	2606			48707
		Alewives, barrels.		-	202	3.5	25		;	100	::	9:	2	:	<u> </u>		112	20	_	171	(56	510	395	478	8		2856
		District.	Halifax.	N. C. C. C. C. C. C. C. C. C. C. C. C. C.	North Shore— Bast Margaret's Bay— Lair Delte	Dogwy's Core	O Dover.	Prospect	Terrence Bay	Pennent	Sambro	Ketch Harbor	Portugese Cove	Designation Coversions	Redford Regin	Amount sold in Halifax Fish Market	Ecum Secum to Beaver Harbor.	Sober Island to Sheet Harbor	Mushaboon to Pope's Harbor	Tangier to Ship Harbor	West Side Ship Harbor to Clam Fay	East and West Jeddore.	Musquodoboit Harbor to East Chezzetcook	West Chezzetcook to Lawrencetown	Cole Harbor to Eastern Passage		Total

s, &cNova Scotia-Continued.	KINDS OF FISH.	ed, ibs.	Salmon, fresh, Salmon, in ca Mackerel, in ca Mackerel, in ca		200 4000 6200 200 100 125 200 120 126 130 150 220 130 150 600 1200 600 600 120 600 600 120 600 600 120 600 600 120 600 600 120 600 600 130 650 600 130 650 600 130 650 600 130 650 600 140 200 250 150 75 75 140 75 75 140 250 75 140 250 75 140 250 75 140 250 75
ed in the Fishe	FISHING MATERIAL.	Weirs	Value.	€	350 350 120 120 130 150 160 160 160 170 180 190 190 190 190 190 190 190 19
its engag	Fівніме	Nets.	Fathoms.	₩	800 800 800 360 1150 350 350 350 350 120 140 180 160 160 160 170 180 160 170 180 180 180 180 180 180 180 18
s and Bos	OYED IN	Boats.	. Уядие. Меп	₩	2255 50 200 30 200 30 300 30 300 150 300 150 100 30 1150 80 100 30 1150 80 100 30 100 40 100
Vessel	VESSELS AND BOATS EMPLOYED IN FISHING		ON NO.		26 25 20 20 20 20 20 20 20 20 20 20 20 20 20
alue of	AND BO	Vessels.	Value.	₩	36:00
and V	PESBLE	Ver	Топпаge.		088
age,	<u> </u>		.o.V.		
Return showing the Number, Tonnage, and Value of Vessels and Boats engaged in the Fisheries, &cNova Scotia-Continued.		Distriot.		Inverness.	Port Hawkesbury Export Hastings. Cleignish. Long Point. Long Point. Judique. Little Judique. Little Judique. Little Judique. Nhycocomah Boom. Whycocomah Boom. Whycocomah Basin River Dennis Rorth Wountain. River Dennis. River Dennis. River Dennis. River Dennis. River Inhabitants. Delancy's Cove. Doucct's Cove. East vide Margaree Harbor. West Side Margaree Harbor. West Side Margaree Forks. Margaree River. Margaree Elsand. Stoad Cove Marsh. Port han. Goal Mines, C.C.

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Broad Cove		I rout Kiver.	Cheticamp	Eastern Harbor		Eastern Harbor	Eastern Harbor	Black Rock	Mill Prook	Big Bond	Friar Head	Friar Head	Pleasant Bay	North East Margaree.	Cheticamp	Pleasant Bay		Totals	

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Tonnage,
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	VALUE.	11,051 00 1,131 25 1,131 25 1,131 25 3,452 60 8,264 00 2,765 60 2,765 00 2,765 00 6,374 00 6,925 00 4,544 00 3,207 00 3,207 00 3,207 00 1,910 25 1,364 50 1,370 25 3,375 35 1,361 25 3,375 25
	barrels.	11111111111111111111111111111111111111
CTS.	Pish used as manure,	100 100 100 100 100 100 100 100 100 100
Fish Products	Fish used as bait,	<u> </u>
F.	Fish Guano, tons.	00000000000000000000000000000000000000
FI	Fish Oil, gallons.	4000 4000 4000 4000 300 350 1000 1000 1000 1000 1000 100
	Lobsters, cans.	74480
	Oysters, barrels.	200 500 500 50 100
	Eels, barrels.	112 150 100 100 100 100 100 100 100 100 100
	Smelts, Ibs.	6000 3000 3000 20000 10000 10000 2000 200
	Trout, lbs.	2000 1000 1000 500 1000 2000 2000 1000 1
Ріви.	Bass, lbs.	200 100 100 100 20
0	Shad, barrels.	
Kinds of Fish.	Halibut, lbs.	200 200 400 150
14	Haddock, Ibs.	100 100 100 100 100 100 100 100 100 100
	Hake, cwt.	20 20 30 30 30 30 30 30 30 30 30 30 30 30 30
	Pollock, cwt.	
	Sounds, bris.	02 1100 100 2 2 211
	Cod, cwt.	400 60 80 80 100 220 250 250 250 250 250 250 2
	Alewives, barrels.	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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APPENDIX No. 10.

REPORT OF W. H. VENNING, Esq., INSPECTOR OF FISHERIES FOR THE PROVINCE OF NEW BRUNSWICK, FOR THE YEAR 1880.

FISHERIES OFFICE, St. John, 31st December, 1880.

Hon. J. C. POPE.

Minister of Marine and Fisheries,

SIR,—I have the honor to submit the following Report and remarks on the fisheries of New Brunswick, together with a statement of the catch for the year now closing.

SALMON.

From some causes unknown even to scientific enquirers, there has been a very serious falling off in the catch of salmon during the past year. In some localities but little over half the usual catch has been made, while in the whole Province the decrease has been fully thirty per cent as compared with former years. I regret my inability to assign all the causes of so serious a failure in one of our most important fisheries. No doubt some unusual and exceptional cause has been in operation, but, so far, it has escaped the research of both fishermen and savants. But, in addition to this unusual and unknown cause, there can be no doubt that in all our estuaries and rivers the number of nets has been excessive and out of proportion to the stock of fish. In view of these facts I must again express my conviction that no additional nets should be licensed in any of our salmon rivers or their estuaries. And it becomes a matter for serious consideration whether the weekly close time should not be lengthened by at least twelve hours. Under present circumstances I know of no other practical means of enabling a sufficient number of parent fish to reach their spawning beds to keep up the supply.

BASS.

This fishery shows signs of improvement, and the catch exceeds somewhat that of last year. In Northumberland, where the new smelt regulations have prevented, in a great measure, the destruction of young bass, the improvement has been most marked, and at the present time this fishery is yielding very encouraging returns. If any doubt existed as to the wisdom of the protective measures adopted by the Department, the marked improvement now visible in the Miramichi fishery would effectually dispel it, and I trust the present regulations will be adhered to as absolutely necessary to the preservation of this valuable fishery, notwithstanding the misrepresentations of interested persons. For the first time in many years has this industry shown any marked signs of improvement, and there can be no doubt that the change is due entirely to the protective regulations ordered by the Department and enforced by its officers.

SHAD.

There is no improvement to be noted in this fishery. For many years it has continued to decline, owing, as I have often stated, to excessive fishing. An additional weekly close time is the only measure I can recommend for its improve-

ment; but it is doubtful whether even this would do more than prolong for a few years its existence as a profitable industry. The catch of this fish in New Brunswick, I believe, depends entirely on the stock bred in the St. John. All the spring catch consists of gravid fish approaching and ascending that river to spawn. After having spawned, the remnant that escapes the nets and weirs descends the river and resorts to the mud flats at the head of the Bay of Fundy to feed. Here they soon become fat, and continue playing up and down with the tide in search of food, until the month of October, when they disappear entirely from our coast. From the time of their first appearance in the spring until their departure in the fall, they are captured by drift nets, set nets, and weirs. The ability of the fish to multiply is not equal to the power of fishermen to capture them, and the gradual extinction of this fishery in New Brunswick waters I believe to be inevitable.

GASPEREAUX.

The causes assigned in all my former reports for the decrease in this fishery still continue unabated, and no reasonable hopes of any marked improvement can be entertained as loug as excessive fishing and wasteful modes of fishing are allowed.

SMELT.

I regret to say that this fishery is still pursued in the wasteful manner described in my former reports. The catch last year largely exceeded that of the year previous, and markets have been so glutted that no improvement in prices was possible. Those obtained this winter have left no margin for profit to shippers, and but poor remuneration for fishermen. Properly pursued this fishery would be very lucrative to all engaged in it; but over production is now depleting our waters without any adequate returns to the country. The shortened time allowed for fishing, if adhered to, will have a good effect in reducing the catch and easing the markets, when prices may possibly advance to figures that, if they leave no margin for profit, will at least save shippers from loss.

STURGEON.

During the last summer a new industry has been developed on the St. John river. Several Germans came from New York in the month of June, and engaged in the capture of sturgeons, which are plentiful in the St. John, but have never previously been turned to any profitable use. These foreigners brought several nets with them, but had their boats built on the river, under their instructions, by resident workmen. They also employed resident fishermen on the river to work these boats and nets, and paid them one dollar each for all the sturgeons they caught. The following is a

brief description of the mode of catching and handling this fish.

The boats are large flat bottomed affairs, roughly made of thin planks, but well adapted for their purpose. The nets are made of strong cotton cord, about 12½ inches in the mesh, from 40 to 60 yards long, and 15 to 20 feet deep. They are operated by drifting, each net attended by a boat and two men. Fishing commences at dark and continues until daylight. Sometimes as many as 20 fish are taken in a night by one boat; but more commonly about five to eight per boat. In the morning the fish are taken to a floating platform attached to the shore. The heads and tails are cut off; the entrails removed; the skin taken off; the back bone cut out, and the two sides of the fish are packed in ice in large boxes and exported to New York, where the flesh is smoked by small dealers for immediate consumption.

Every portion of the sturgeon, as handled by these Germans, is turned to profitable use. The roe, which is developed in astonishing quantity, closely resembles turnip seed in size and color. This is made into the famous caviar, so highly relished by European gourmets. The "sound" or air-bladder of the sturgeon, which is very large, is carefully dried for export, being used in the manufacture of gelatine and the finer qualities of glue. The head, tail, skin, entrails and backbone are dried out over

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a slow fire, and yield a considerable quantity of valuable oil, which is in great demand by leather dressers. The refuse, after the oil has been extracted, makes a valuable fertilizer and is composted by farmers in the neigbourhool of the fishery. Thus it will be seen that every part of this fish, hitherto considered useless by our people, is turned to profitable account when properly handled, and its pursuit will, in future, afford our river fishermen a new source of remunerative employment. In a special report I have called attention to the necessity of regulating and protecting this fishery, and have recommended such restrictions as will secure this end with the least interference with the profitable pursuit of the industry.

HERRING.

The returns from this fishery show an increase of salted fish, but a considerable falling off in smoked fish. This latter may be attributed to the increased attention given to the catch of small herrings for the sardine factories in Eastport. The preparation of sardines has grown into large proportions, and is increasing rapidly. The great bulk of the fish for the supply of these factories is caught in our waters, and their capture gives employment and remunerative prices to a large number of our fishermen. No less than 20,269 hhds., at an average price of \$5 per hhd., found a ready sale last year. As several new factories are in course of erection, a still larger demand will probably be made the coming summer. This new business will utilize all the small sized herring which were formerly pressed for oil, and will open up a new source of profitable employment for our herring fishers. This demand for small herrings and the quantities consequently taken, cannot fail to have a material effect upon this fishery. I would therefore urge that all known spawning grounds be protected during the spawning season, and no fishing of any kind allowed within their limits. I consider this measure of protection absolutely necessary. The good results of protecting the spawning grounds at the southern head of Grand Manan require no proof—they are patent to all.

Similar beneficial results will follow from the same protection being extended to

other localities where vast schools of herrings are in the habit of spawning.

The winter fishery in Charlotte County has opened well, and large quantities of herrings are now being caught and sold in a frozen state at fair prices.

MACKEREL.

There has been a large increase in the catch of this fish, and the quality has been somewhat better than in past years. This fishery is pursued in open boats and near shore. If our fishermen would adopt the American mode of fishery in suitable vessels farther off shore, a much larger catch would reward their enterprises.

COD.

The returns from this fishery show a considerable increase over those of last year; but in most of our counties cod fishing is pursued in a desultory manner. In the northern counties the large increase in the number of lobster factories has diverted attention to that industry, and fewer persons now engage in cod fishing. The great bulk of the whole catch is made in Gloucester and Charlotte Counties.

POLLOCK, HADDOCK, HAKE AND HALIBUT.

The returns show about an average catch of these fishes; but the great bulk of the whole is from the County of Charlotte, where alone these fisheries are systemically pursued.

LOBSTERS.

The over-production of canned lobsters still continues and threatens to end in the extinction of the fish, and the ruin of those engaged in the business of canning.

The number of factories continues to increase, while the average size of the lobster continues to diminish in all districts where the fishery has been pursued for any great length of time. At the present rate of production the supply cannot continue for many years; but, blind to every consideration, except present profit, those engaged in the business are striving to make larger production compensate for low prices, and are seeking to get the present insufficient close season shortened. The returns show an increase of nearly a million pounds over the catch of last year.

Much disputing and quarrelling have arisen among neighboring factories about fishing limits, and this occasions much trouble to the overseers, whose time is largely occupied in laying out limits and settling these disputes. I apprehend increased trouble from this source, as factories are becoming so numerous that it is difficult for

them to find profitable fishing grounds.

OYSTERS.

No improvement in the yield of our oyster beds can be hoped for, as long as the Present wasteful mode of raking them is pursued. No effort at culture has yet been made in any part of the Province, and the old beds yield less and less every year. The slight increase in the returns is owing to the larger quantity raked in Miramichi; the demand being so great that even these inferior oysters now find a ready market.

The following is the substance of the reports received from the several district overseers, appended to which are the returns of catch from all the fishing districts

in the Province.

RESTIGOUCHE.

OVERSEER MOWAT, of the upper division of this county, reports the catch of salmon as two-fitths less than the average for the last six years. He does not offer any explanation of this serious decrease; but he considers that the number of nets in the estuary and river is now too great for the supply of fish. He expresses his conviction that no further increase in the number of nets should be allowed, and that the weekly close time should be extended at least twelve hours, or one additional tide, in order to allow a greater number of parent fish to ascend the river.

OVERSEER McPherson, of the coast division, reports a similar decrease in the catch of salmon. He does not attribute this to any known local cause, but thinks it

due to some exceptional circumstances not well understood.

GLOUCESTER COUNTY.

OVERSEER HICKSON reports a decrease of nearly fifty per cent. in the catch of salmon in his county, but in other branches of fishing the returns show a large Mr. Hickson again urges that more liberal assistance from the hatching houses at Dee Side and Miramichi, be given to the Nepissiguit, upon which small river and its tributaries the salmon fishery on the coast of Gloucester is mainly dependent.

OVERSEER LANDRY, of Pokemouche district, reports an improved catch of all kinds of fish, except herring and cod, which have yielded less than usual. The catch of smelt has largely increased, and that of gaspereaux has been above the average.

OVERSEER SAVOY, of Tracadie district, also reports a good catch of all kinds

of fish at fair prices.

NORTHUMBERLAND COUNTY.

OVERSEER ROBICHAUX, of Neguac district, reports that herrings were more plentiful than for many previous years. Cod fishing was good and gave about an average catch. Mackerel were plentiful, and somewhat better in quality than usual. Salmon fishing was very poor as in all other districts. The establishment of a freezer at Neguac has given a fresh impetus to fishing, and large quantities of bass and mackerel were frozen for distant markets.

OVERSEER STYMAST, of Tabusintac district, reports a great scarcity of salmon, but other kinds of fish were plentiful. Two new lobster establishments have been built in the district, and preparations made for prosecuting this fishery on a large scale.

OVERSEER WILLSTON, of Bay du Vin, reports a most serious decrease in the

catch of salmon, but other kinds of fish gave an average yield.

OVERSEER RUSSELL, of Portage Island and Burnt Church district, reports a falling off in the catch of salmon of 41,170 lbs., as compared with last year. he attributes to a scarcity of fish, as no want of preparation or of energy on the part of fishermen was manifested. Mackerel and herring were abundant, but gaspereaux were scarce, and but few were caught. New canning establishments have been operated at Portage Island, and the lobster fishery has been prosecuted to a much greater extent than in any former year.

OVERSEER WYSE, of Chatham district, has the same story to tell of failure in the salmon fishery. He reports a great improvement in the bass fishery, which he attributes to the measures adopted for the preservation of gravid fish, and the protection of young bass from the destructive effects of bag-nets used in the smelt fishery. He recommends that the time asked by shippers for the commencement and ending of the smelt fishery be complied with, in order to prevent over-production, which keeps prices so low that no profits accrue from the busines.

OVERSEER HOGAN, of Newcastle and North Esk district, reports the same failure in the salmon fishery that marks other districts. The bass fishery last winter was poor; but it opened well this winter, and at the present time is very good, and gives

promise of a large yield.

OVERSEER PARKER, of Upper Nelson and Derby districts, reports the total failure of the salmon fishery, and all the overseers above him, in Blackville, Blissfield, Doaktown and the Upper South-West, repeat the same story. As salmon is the only fish caught in these districts their reports contain nothing further of interest.

KENT COUNTY.

OVERSEER SUTHERLAND, of the upper division, reports a decreased catch of salmon and bass; but codfish, mackerel and herring show an increase over last year's catch. The improvement in gaspereaux fishing which was noticed in his last report, has been repeated this year. The smelt fishing has been pursued on a more extensive scale and has given employment to a large number of persons. The catch of lobsters has exceeded that of any previous year, and two new canning houses are to be built, ready for operation next season.

Overseer Girouard, of Buctouche district, reports an increased catch of mackerel and an improvement in the bass fishery, which, in his district, is pursued principally with hook and line. But more attention is now given to the lobster fishery, which furnishes employment nearer home and diverts fishermen from their old pursuits. The once valuable oyster beds of Buctouche are now almost exhausted, and no hope of their improvement can be entertained under the present insufficient protection

afforded them.

OVERSEER CORMIER, of the lower district, reports a fair catch of all kinds of fish. Mackerel were very plentiful, and the catch considerably exceeds that of last year. The lobster fishery is the most important one in this district and the business continues to be pursued with increased energy.

WESTMORELAND COUNTY.

OVERSEER DEAGON, of Shediac and Cape Bald division, reports as follows:—"The catch of fish generally has been good. Mackerel were more abundant than usual, of good size and fine quality. Bass are steadily becoming more numerous. Not a very large quantity of smelts was taken last winter, as the markets became glutted as soon as the enormous catches from Miramichi were sent forward, and prices immediately fell so low that fishermen could no longer make ordinary wages. I think if the

license fee for bag-nets were increased to five dollars it would have the effect of proteeting this valuable fish by lessening the catch, and then some profit would accrue to those engaged in the business. It seems simul to have these fish wasted as they have been and are at present. There were nine lobster houses in operation in my district, and two new ones will be built for next season." Mr. Deacon strongly expresses his opinion that a change in the close time would be advantageous to packers without increasing the length of the fishing season, and he urges that such a change would prevent vast numbers of unhealthy lobsters from being taken. He proposes that fishing should commence 1st May and continue until 15th July, after which date no lobest and the location of t no lobsters should be taken until the 15th August, when fishing should be allowed until 20th September. He considers it wanton waste to allow lobsters to be taken in dog days, at which time four fish will not yield as much meat as one healthy fish, and he expresses his belief that during the heated term they are not fit for food. Mr. Deacon is not alone in this opinion. Overseer McPherson, of Restigouche, expresses the same belief and urges the same change. The proposal is worthy of consideration

Since the death of Overseer Hugh Davidson, the Bay Verte division of this county has been without an officer. During the past season, I directed Overseer Deacon to make occasional visits through the district. It will be necessary either to

appoint a new officer, or to include Bay Verte in the district of Mr. Deacon.

OVERSEER T. D. CORMIER, of Dorchester Bay district, reports a fair catch of shad of good quality, for which high prices were obtained, ranging from \$8 to \$12 per barrel. Cod and herring were plentiful in the lower part of the district, but very little attention is given to these fisheries.

ALBERT COUNTY.

OVERSEER AKERLEY reports a decrease in the catch of shad, but an increase in that of salmon. Line fishing has not been pursued to the same extent as in former years, and but a small catch of sea fish was made. Fish-ways have been kept open and in good order in the dams across Salmon and Point Wolf Rivers. Those in the dams of Coverdale and Pollet Rivers have been torn out by freshets. These small rivers are so obstructed by logs and lumber, and have been so long deserted by migratory fish, that no practical end would be served by their reconstruction. Mr. Akerley expresses his belief that these rivers should be exempted from the requirements of the Fisheries Act, and in this opinion I entirely agree, as fish-ways there would be of no practical benefit.

VICTORIA COUNTY.

OVERSEER McCluskey reports that never, in his recollection, were salmon so scarce in the upper parts of the St. John. This he attributes to several causes. Drifting outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and inside the harbor of St. John, overfishing in the lower parts of the straightful outside and the str the river, sawdust and mill refuse in the water, and want of proper protection on the Tobique River. Mr. McCluskey says: "In several former reports I have urged the appointment of two special guardians, whose duty it would be to travel continually up and down the Tobique, and work in concert with the local wardens, but no notice has been taken of the matter." I have frequently called attention to the necessity of more assistance on the Tobique, and now beg to repeat that I consider the appointment of the second decrease and the restaurance of the ment of at least two special guardians should be no longer delayed.

CARLETON COUNTY.

OVERSEER BURTT reports but few fish taken in his county. He still complains of the persistence of mill-owners in allowing sawdust and rubbish to go into the river. The evil is increasing rather than diminishing, and calls loudly for some effectual check. check. The district of this officer is so extended that he finds it impossible, without assistance, to give it necessary supervision, and he asks that a warden be appointed for the upper part of the county. I consider it impossible for one man to enforce the law in so large a district, and would recommend that at least one warden be appointed to assist the overseer the coming season.

OVERSEER MILLS, whose duty it is to protect the spawning beds in the upper waters of the South-West Miramichi, both branches of which flow through Carletom County, reports that his attention has been directed to this end, and that he has, in a great measure, put a stop to the spearing and illegal netting which formerly prevailed on these waters.

YORK COUNTY.

Overseer Orr reports the catch of salmon in this county to be fifty per cent, less than that of last year, which he attributes to causes in operation in the lower portions and mouth of the river. The catch of bass has increased and a new industry has sprung up in the capture of sturgeons and eels, which bids fair to grow into con-

siderable importance.

Wardens Campbell and Brown report a small catch of salmon. The latter says: "The causes of this scarcity I have not been able fully to understand; but one cause, which I have investigated and which I know has had a great influence in lessening the number of salmon, is the sawdust and rubbish which is allowed to go into the rivers from mills on the St. John and its tributaries, the prohibition of which I have constantly advocated. Another cause which has materially decreased the number of fish which reach this county, is the practice of using drift nets in the harbor and its approaches. While this is permitted no increase in these upper districts can be expected."

SUNBURY COUNTY.

Overseer Hoben reports an improved catch of gaspereaux; but that of shad was less than last year, as was also that of salmon. The catch of bass was better, and the fish in fine condition. The sturgeon fishery and that for eels and pickerel have given new sources of industry to the people, and these fisheries will probably be pursued to a large extent in future. Overseer Hoben has devoted special attention to the sturgeon fishery and has satisfied himself that they spawn all through the months of July, August and September. He considers a close time and some minor regulations necessary to control the fishery and protect the spawning and young fish, so that over-fishing may not exhaust the stock in the river.

QUEEN'S COUNTY.

Overseer Hetherington reports as follows:—"Salmon have not been so plentiful as they were last year, and but few have been taken. Warden Phillips informs me that he saw numbers spawning below the rapids in Canaan River, and thinks, from their size, that they are the fish put into the head waters from the Miramichi hatchery. Shad have been scarcer than ever, but gaspereaux were plentiful the first of the season, and had the extended close time been enforced, I am persuaded that large schools would have reached their spawning places. Eels have always been very plentiful and there is now a prospect of a good business being done in their capture for the American market. Sturgeon fishing has attained considerable importance; a large number of fish were caught last summer, and the flesh packed in ice exported to American markets. I was misinformed last year as to the spawning time of this fish. From personal observations made this season, I am now sure they spawn in the months of July, August and September, the greater number in the latter two months I would suggest that some suitable regulations be made to prevent this new industry from being destroyed by over-fishing."

KING'S COUNTY.

OVERSEER BELYEA, of Westfield and Belleisle district, reports a very poor catch of salmon. In the early part of the season the catch of gaspereaux was better than

usual; but as the spring advanced they became very scarce. Shad were not so plentiful as last year; but bass more numerous. Mr. Belyea says:—"At Oak Pointa large sturgeon fishery has been started, which gave employment and fair wages to a considerable number of our people. As this fishery will probably be followed on a larger scale next season, I would suggest that some suitable regulations be made to prevent its exhaustion. The young fish should not be killed, and spawning fish should be protected by a close season."

OVERSEER GOSLINE, of Kennebecasis and its tributaries, reports but little improvement in these rivers. Alewives, shad, bass, eels and hake continue to be taken in limited quantities, and a considerable number of salmon still frequent both the main and Hammond River. The facilities for poaching are so great in both streams when the water is low, that but few of them are allowed to spawn. Unless the people residing on the banks of these rivers awake to the importance of protecting the small stock of fish yet resorting to them, but little hope of restoring their fisheries remains.

ST. JOHN COUNTY.

Overseer O'Brien reports a decrease in the catch of nearly all kinds of fish in his division. This is more marked in the catch of salmon, which is fully thirty per cent less than that of last year. Gaspereaux gave about the same catch as last year; but the herring fishery yielded less. Lobsters were plentiful; but the catch was confined to supplying the local demand. Overseer O'Brien again calls attention to the great destruction of young gaspereaux by the weirs. He says:—"One of the greatest evils that mark our harbor fisheries is the destruction of young alewives. In point of numbers, as many of young fish are destroyed as of grown fish taken, and the continuance of the species is simply impossible if this wasteful mode of fishing is continued." I have so often called attention to this monstrous evil, that nothing further I can say will add force to what I have already put on record.

I can say will add force to what I have already put on record.

Overseer Skiller, of St. Martin district, reports a large increase in the catch of herring, but a falling off in line fish. He complains of great difficulty in enforcing the weekly close time, especially during the spawning season of herring, when the largest catches are made. Mr. Skillen is of opinion that no nets should be allowed to be set in the immediate neighborhood of the spawning ground in his district from the 10th of July to the 20th August. In this opinion I entirely agree, and would urge that all spawning places of herring be protected, by prohibiting netting within their limits during the spawning season.

CHARLOTTE COUNTY.

Overseer Todd, of St. Croix district, reports an increase in the catch of mackerel and alewives, but a decrease in salmon. The practice of drifting for salmon near the fishways had become so prevalent that I authorized Mr. Todd to employ a night watchman, whose vigilance put an end to this illegal work. The fishways have been kept open and in good repair. During the low stage of water in the river, that at Baring was improved and made effective. This Mr. Todd did at his own expense. He found it necessary to employ an assistant for a short time, to prevent poachers from netting the spawning beds of the land-locked salmon in Palfrey Brook and Skiff Lake. A warden or special guardian would be of great service in protecting this valuable fish. The stream and lake is too far distant from Mr. Todd's residence to admit of more than an occasional visit.

Overseer Cunningham, of St. Andrews Bay district, reports a large catch of herrings, of good quality, which found a ready sale. Large quantities of small herrings were taken for the sardine factories at Eastport, and the demand is increasing. Mackerel came into the bay earlier than usual, and a large catch was made; but the quality was not so good as could be desired. Less attention is paid to coast fishing, and the catch of cod, haddock, hake and pollock was less than last year. The catch of lobsters was smaller than usual, fewer men being engaged in this fishery. Overseer Cunningham strongly urges the suppression of all brush weirs left dry at low tide, as they destroy large quantities of young fish which are in great demand by the

sardine factories, and for which a good price could be had. While there is a ready market for these fish, any mode of fishing which necessarily destroys them should be prohibited. The great increase of weirs in Mr. Cunningham's district has added largely to his duties, and his present salary is not adequate compensation for his services. As he is an old and faithful officer, I ask for his case your favorable consideration.

OVERSEER BEST, of Beaver Harbor district, reports about an average catch of line fish, and a considerable increase in the yield of the herring fishery. He reports no violations of the law.

Overseer Lord, of Deer Island and La Tête district, reports as follows:—"The results of this year's work are satisfactory, especially in a financial point of view. Although there has been a falling off in the catch of some kinds of fish, it has been more than counterbalanced by increased yield from other kinds. The catch of line fish was small compared with former years; but this has arisen from the fact that many of our fishermen, who formerly followed this branch of the business, have left it to engage in weir fishing. The quantity of smoked herrings is larger than usual, and shows a considerable increase over last year. The weirs, and the number of men engaged in fishing them, have greatly increased. At the close of 1878 there were only thirty weirs in this district, while now there are nearly one hundred under license. This great increase has been caused by the demand for small herrings, which are put up as sardines in the factories at Eastport, of which there are ten now in operation, and several more in course of erection. As you will see by my returns, there have been taken and sold in this district 5,000 hhds., at an average price of \$5 per hhd., which has had the effect of putting \$25,000 in circulation among our people. If the Canadian market could be secured to us, factories would be started in this county, employment would be given to a large number of our population, and we would soon be a prosperous community. The winter herring fishery has opened well and as fish are plentiful, a good winter's catch is anticipated."

From the above it will be seen that the duties of Overseer Lord have increased to

From the above it will be seen that the duties of Overseer Lord have increased to such an extent that they necessarily occupy the greater part of his time and attention. He is an active and painstaking officer, attentive to his duties, and methodical and correct in his returns and remittances. His present salary bears no proportion to his services, and is quite inadequate to compensate him for the duties he performs so well. I respectfully ask for this useful officer your most favourable consideration.

consideration.

OVERSEER Brown, of Campobello, reports a decrease in all kinds of line fish,

but an improvement in weir fishing.

Overseer McLaughlin, of Grand Manan, reports as follows: "Since my last annual report the various fisheries of this district have been vigorously prosecuted with about the same results as last year, except in the weir and lobster fisheries, in both of which branches there has been a great falling off. The herring weirs about North Head, Long Island, Farmer Rock, Bancroft's Point, Woodward's Cove and the Duck Islands have had a good run of fish, which, compared with former years, yielded over an average both in quantity and quality. But the weirs in Cow Passage, Cheney's Passage, Whitehead Island, and other places in the southern part of the district have been almost a total failure up to the first of the present month (December). This unfortunate failure is due to the tides, which have not been sufficiently high on the bars and flats. The catch of lobsters, compared with former years, is very small There are no sardine establishments in Grand Manan; Eastport having, so far, & monopoly of this lucrative business. There is no danger of a depletion of the herring fishery from the sardine business, so long as the spawning grounds are protected, and I am well satisfied that no action should be taken to interfere with this industry. If anything could be done to secure the Canadian market for our own product, a profitable business could be built up in this county, and employment given to a large number of our people. All the herrings suitable for sardines are caught in our waters, but the United States duty on fish, preserved in oil, operates as a bar to our prosecution of the business for export. The catch of line fish is about equal to that of last

year, and at the present time they are plentiful in these waters. Our unsuccessful weir fishers are making every effort, by catching them, to retrieve their bad luck."

Overseer McLaughlin again urges that Warden Gilmour be provided with a suitable boat to enable him to perform his duties more effectually. He states that complaints of illegal fishing, which, without a boat, the Warden is powerless to prevent, are frequently made, and immunity in wrong doing only encourages the offenders. He also repeats his request that Mr. David Engalls be appointed Warden at Three Islands, which place is so distant that a resident officer is necessary to enforce the law.

From the foregoing reports and extracts, Your Honor will notice that in almost all districts in the northern counties the winter smelt fishery and the great increase in the lobster fishery have added much to the duties of both Overseers and Wardens. This has occasioned a larger expenditure for necessary disbursements in enforcing the regulations. The sardine fishery in Charlotte County, and the great increase in the number of weirs have had the same effect. In many instances the salaries paid to officers are not sufficient to remunerate them for the increased time and attention their duties demand, and I would respectfully recommend that active and faithful officers receive some substantial addition to their present small stipends.

I have the honor to be, Sir,

Your obedient servant,

W. H. VENNING,

Inspector of Fisheries, N.B.

RECAPITULATION

Of the Yield and Value of the Fisheries of New Brunswick during the Year 1880.

Kinds of Fish.	Quai	ntities.		Pric	es	Value.	
				\$	cts.	\$	cts.
almon, pickled	53	barrels,	a t	18	00	954	00
do from in ion		lbs.	"		15	123,233	
a resn, in ice	821,555	108.	"		15	123,233	
a smokeu	1,000	"	٠		25	5,750	
ackon) in cans	23,000						
ackerel do preserved	19,650	barrels	"	10		196,500	
do preserved	66,427	cans	•••		15	9,964	
errings	125,552	barrels	"		00	502,208	
	477,340	boxes	• • • •		25	119,335	
lewives.	15,147	barrels	"		00	75,735	
od. Tongwa and Saunda	69,099	cwt.	"		25	293,670	
od, Tongues and Sounds	602	barrels	"		00	4,214	
ollock ake	18,873	cwt.	"		50	66,055	
ake	61,054	"	"		50	213,689	
addock.	695,050	lbs.	"		06	41,703	
alibut.	270,100	"	"	0	06	16,206	
	3,289	barrels	"	8	00	26,312	00
assront	177,839	lbs.	"	0	06	10,670	34
	40,030	"	"	0	6.6	2,401	80
meltels	2,553,828	"	"	0	03	76,614	84
	1,058	barrels	"	9	00	9,522	00
ysters. Obstare :-	12,280	"	"	3	00	36,840	00
Obsters, in cans	4,734,331	cans	"	0	15	710,149	65
	109,386	galls	"		65	71,100	
lo used as manure	[9,045	barrels	"		50	4,522	
	1,305	tons	"	15		19,575	
turgeon ardines	602,500	lbs.	"		01	6,025	
ardines.	20,269	hhds.	"		00	101,345	
	20,200	unus.	•••		•	101,010	
m / 1 1000					1	\$2,744,446	58
Total, 1880		• • • • • • • • • • • • • • • • • • • •				2,554,722	
do 1879	******	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••		4,004,144	44
_						\$189,724	26
Increase		• • • • • • • • • • • • • • • • • • • •	• • • • • • • •		•••••	ф109,124	30

APPENDIX No. 14.

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 New Brunswick, for the Year 1880.

lı .		VOO III (no			7,500 10,000 16,590 0,000	8	<u> </u>	1,000		8	
	mok-	R , rgnirraH xod ni , ba	ļ !			474,090	<u> </u> _			1,000	
	-sl	Нетгіпдз, рі		3,000	56,000 2,000 6,240 4,500	72,000		14,000	4,150	18,150	112
rısh.	-sans:	Mackerel, in									
Kinds of Fish.	.18.	М аскетеl, br		300 865	900	1,770			78	18	
Kini	'sueo	Salmon, in lbs.							i		
	yeed,	Salmon, Smo						1,000		1,000	
	l	Salmon, Fre lbs.		2,600		2,600		160,000	200	160,200	
	.8	Salmon, bri		<u> </u>	1:::	<u>:</u>		:	:	l :	
ij	Weirs.	Value.	€9-	3,000	8,000 2,900 20,500	34,640		10,000	1,050	11,050	
TERIA	-	.oN		10	16 29 41	102		32	2	37	
Fishing Material.	Nets.	Value.	€	1,600	8,390 10,000 8,516 14,000	42,591		70,000	6,000	76,000	
FI	Ne	.emodts4	-	130 3,400	16,780 18,000 8,516 16,000	62,826		98,000	2,072	100,072	
HING.		Men.		82	144 272 132 400	1,121		730	i	730	,
Vessels and Boats employed in Pishing.	Boats.	Value.	59	1,950	1,800 14,500 4,966 35,000	61,116		10,800	1,000	11,800	
WPLOY		·oN		88	72 260 126 400	927		300	39	339	
E ST		Men.		32	112 105 63 125	437		325	130	455	
амр Вол	Vessels.	Value,	₩	2,000	12,010 9,000 4,995 20,000	48,005		28,000	11,000	39,000	
Tessels	Α	. эдвппоТ		70	319 430 233 750	1,802		1,200	313	1,513	
		No.		:40	23 21 13 24	98		53	23	99	
	Втятвиста.		Charlotte.	OSt. Groix District	La Tete. Deer Island Campo Bello Grand Manan	Total.	St. John.	From Quaco Head to Point Lepreaux, including St. John Harbor.	Head23	Total	Kings. Kenebecasis and Smith's Oreek

_	otoria.	•	Ocopioilan	Lapers	(2.0. 2.	,					
		il			250	1 600		1,600			
: : : : : : : : : : : : : : : : : : : :	!						:	1	<u>:</u>	:	
					105	000	100	10,100	2,850	200	3,350
			ii	İ		0.00		2500	9300		9300
		İ				001	20167	1,100	2,860 9300	1,550	4,410 9300
	:		<u>: l</u>	====							
			.								
8,424	500	: l 8 l	2,500	750			2,450	2,450		000,09	000009
	~	52,000	2,5				6,	2,			
	:	:	: 1	: !	800 33		<u>: :</u>	1:	<u> </u>	:	1:1
					800		20	20		Lobster traps. 11,050 6800 8,200	8,200
1,400		il			vc					0089 F007	0089
	1,400		400	500	1,300		2,590	5,090	14,550	11,050	25,600
1,999	3,600		1,100	225	3,200		2,500	20,050	29,000	10,500	39,500
43	82	20	06		- 32		126	176	1,200	1,350	2,550
342	1,250	300	250		650		392	7,892	8,990	4,500	13,490
35	. 29	20	26		36		500 49	549	99	270	870
							01	12	<u>۾</u>	14	4
							100	100	810	3,100	3,910
							24	24	75	180	255
	:		<u> </u>	: 1	:		: ~	100	2	9	191
Westfield and Nerepis Total	Queens.	Fork. From Sunbury Co. line to Carleton Co. line	Carleton.	Victoria. From Carleton Co. line to Grand Falls.		Westmoreland. Shediac River to Cape Jouri-	main Dorchester Bay and Cumberland Basin to Shepody Bay	Total.	Kent. From Shediac to Richibucto 10	From Richibucto to Escuminac 6	Total

APPENDIX No. 14—Continued.

-	V ALUE.	S cts	11,378 25 33,655 00	439,768 30 100,450 00 70,825 90 393,229 20	1,049,306 65		191,750 00	32,209 50	223,959 50	1,531 50
DUCTS.	Sardines, hhds.									geon, lbs.
Pro			300	125	425		300		300	
Ріян	enot,onau D dei A		30	1,125	1,3 5		:	i		
	Fish Oil, galls.		1,500		92,442				1,800	
	Lobsters, cans.		15,000 31,200	26,660 4,000 8,86t 60,928	146,654	<u> </u>	12,000		12,000	
	Oysters, brls.									
li l	Eels. brls.							<u>:</u>		-1
	Smelt, lbs		:							
	Trout, lbs.		1,500							400
ISH.	Bass, lbs.								5,000	1,200
OF F	Shad, brls.								360	20
Kinds	Halibut, lbs.			200,000	200,000			3,000	63,000	
	Hæddock, lbs.		24,000 7,000	13,750 150,000 14,500 315,000	524, 250		120,000	19,000	139,000	
	Hake, cwt.		100	21,350 4,000 2,085 28,000				29	3,257	22
	Pollock, cwt.		140	1,050 3,000 2,690 8,000	14,880			1,100	3,600	
	Cod Tongues and Sounds, bris.			133	153		80	i	8	
	Cod, cwt.		125	7,012 1,800 1,282 20,000	30,219		7,000	2,200	9,200	<u>-</u>
	Alewives, brls.		330		330		8,814		8,814	65
	Districts.	Charlotte.	Inner Bay, Passamaquoddy	Deer Island Campo Bello Grand Manan	Total	St. John.	From Quaco Head to Point Lepreaux, including St. John Harbor Point Wolf to Onsco	Head	Total	Kings. Kenebecasis and Smith's Creek.
	KINDS OF FISH.	Alewives, brls. Cod, cwt. God Tongues and Sounds, brls. Pollock, cwt. Haddock, lbs. Shed, brls. Chesters, brls. Trout, lbs. Chesters, cans. Fish Oil, galls. Fish used as ma- Fi	Mewives, brls. Cod, cwt. Cod Tongues and Sounds, brls. Pollock, cwt. Haddock, lbs. Haddock, lbs. Shad, brls. Shad, brls. Trout, lbs. Smelt, lbs. Cysters, brls. Lobsters, cans. Pish Guano, tons Fish used as ma- Trish used used used used used used used used	KINDS OF FISH. Cod, cwt. Cod Tongues and Sounds, bris. Pollock, cwt. Pollock, cwt. Pollock, cwt. Halibut, lbs. Haddock, lbs. Bass, lbs. Chesters, cans. Trout, lbs. Chesters, cans. Fish used as ma- Trout, lbs. Chesters, cans. Fish used as ma- Trout, lbs. Chesters, cans. Fish used as ma- Trout, lbs. Chesters, cans. Fish used as ma- Trout, lbs. Chesters, cans. Fish Onsters, cans. Fish Onsters, cans. Fish Chano, tons Trout, lbs. Chesters, bris. Chesters	KINDS OF FISH Cod, cwt.	Name of Fish Name of Fish Name of Fish Name of Fish Name of Fish Name of Fish Name of Fish Name of Fish Name of Prise Name	Kinds of Fish.	KINDS OF FISH. KINDS OF FISH. KINDS OF FISH. KINDS OF FISH. KINDS OF FISH. KINDS OF FISH. KINDS OF FISH. KINDS OF COd, cwt. Cod, cwt	Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Fish. Kinds of Tongues and Sounds, bris. Cod, cwt.	Name of Fish Products, bris. Pollock, cwt. Pollock, cw

Westfield and Nerepis	236							, I	13/ 1,36	1,360		#			46	450		/200000	4,921 70
Total	301				22			63	2,560	400					450			200000	6,453 20
Queens	675							8	2,000	009		:			800			330000	7,621 00
From Sunbury Co. line to Carleton Co. line								30	4,500			2						22, 500	8,625 00
Carleton.								75				:							975 00
Victoria. From Carleton Co. line to Grand Falls	i							4				:		Ì					144 50
Albert. From Hopewell to Point Wolf River	09	25	•	18	125	2,900	2,700	615		1,200 9,050	6,500	<u>:</u>			165				8,156 50
Westmoreland. Shediac River to Cape Jouri-									4,500	4,500 3,000	80,000 150	150		150 467,472			400		126,745 80
			100	8	06			2,061				:			170				
Total			<u> </u>	8	06			3,061	4.500	4 500 3,000	80,000 150	150	150	467,472	170		40		145,406 80
From Shediac to Richibucto	360	678	4.5	295	185	5,400			7,900	2,000	169, 700	235	1,650	7,900 5,600 169,700 235 1,650 1295736	719		20		256,163 25
From Richibucto to Escuminac 1,050	,050	970	30						13,000		327,000 270	270	220	220 825,000	06				173,571 00
Total 1,410	,410	1,648	15	395	185	5,400			20,200	5,000	496,700	505	1,870	20,200 5,000 496,700 505 1,870 2120736	608		20		429,734 25
										_			ĺ						

or the second se			,									1	,			
/ ESSELS	⋥	ND BOATS	EMP	VESSELS AND BOATS EMPLOYED IN FISHING.	SHING.	Fівні	FIBHING MATERIAL.	SIAL.			1	Kin	KINDS OF FISH	H.		
Ve	ží	Vessels.		Boats		Nets	ts.	Weirs.		.esp	окед,	cans,	rls,	ai	rla.	rea smok-
Топпаgе.		Value.	Men. No.	Value.	Меп.	Fathoms.	Value.	.ov	Value.	Salmon, brl Salmon, fi in ice, lbs	Salmón, sm lbs.	ni ,nomla2 sdl	Mackerel, b	Mackerel, cans.	Herrings, b	Herrings, s ed, in box
		69		€,		6						6		6		
001	_	1,600	- :			x , r ₀ c	, y, c	<u>: :</u> : :	÷	50,000	200	3,000	9,4,6 9,000,000,000,000,000,000,000,000,000,0	1,000	700	
180		2,650	12:			5, 000		<u>: :</u> : :		20,02		00011	/		10,000	
200		3,000		70 735 43 4,2 00	129	1,500		:::		20	<u> </u>		200	14,400 100	1,760 150 4,000	
624		12,050	986	665 15,083	3 1,471	37,250	24,197	1:		20 140,000	18	10,000	-	44,927	20,610	
	1 ::			85 1,360	85	8,125	11,000	:: ::		68,520 98,396	0.9	13,000			95	
	:		<u> </u>	85 1,360	85	30,125	11,000	<u> : </u> :		166,916	9	13,000			95	
				20 300 20 300 20 20 20 20 20 20 20 20 200 335 400 20 240 20 240	044440 000 000 000 000 000 000 000 000	800 800 800 600 300 400 1,000 150 800	200 225 175 176 225 220 120 250 250 250 250				1000					
	•			225 2,800	405	6,650	2,020	÷	<u>:</u>		350					

	- 1000		Dessionar	Lupe		(110.	11.		
Boats engaged in the Fisheries, &c.—New Brunswick—Continued.		VALUE.	\$ cts. 100,750 00 57,975 00 127,400 00 115 058 00	138,196 55 34,905 00 76,239 75	650,524 30	10,278 00 25,505 40	35,783 40	1,200 00 620 00 1,075 00 405 00 225 00 1,640 00 1,640 00 1,030 00 9,765 50	
wick—		Sturgeon, lbs.						50,000	
Bruns	Fізн Рвориств.	Fish used as ma- nure, bris.	200	6,500	6,700				
A	8	Fish Guano, tons	<u> </u>	<u>: : : </u>	:	::	:		_
Ne	Fish	Fish Oil, galls.	7,000	:	12,500				
eries, &		Lobsters, cans.	175,000 130,000 500,000	582,200 120,000 150,000	1,657,200	47,440	47,440		
e Fish		Oysters, brls.	5,000		5,000				
n th		Eela, brla.	30	: -	195			56 65	
raged i	,	Smelt, lbs.	40,000	1020	344,000				
ats eng		Tront, lbs.	2.500	2,500	15,000				
nd Bo	г Гізн.	Bass, lbs.	3,000	2,000 50,000	56,400			1,000 2,000 1,000 1,000 2,000 5,000 4,000 4,000	
8 8	3 01	Shad, bris.	1 1 1		i :	1 ::	1:1	51 6 : 51 5	
Vessels and	Kinds	Halibut, lbs.	2.400	2,000	4,400				
Value of		Haddock, lba.		17,500 6,000	23,500				
		Наке, сwt.		80 5 1,000	1,805				
a e		Pollock, cwt.	1 :::	<u>: : : :</u>	<u> </u>		1::		
age		Cod Tongues and Sounds, bris.							
, Tonnage and		Cod, cwt.	1,500	7,380 100 3,027	26,807				
umber		Alewives, brls.		1,000	1,500			220 175 175 175 175 150 250 250 150	
RN showing the Number,		DISTRICTS.	MadiscoBathurst	Shippegan. Pokemouche.	Total	Restigouche. From head of tide to Dalhousie From Dalhousie to Belledune	Total	Sundary, French Lake, Sheffield Oromocto River Maguapet Lake. Sheffield. Hart's Lake. Jemseg and vicinity. Otnabog. St. John River. Oromocto, French Lake. Foot of Grand Lake and vicinity.	

RETURN showing the Number, Tonnage, and Value of Vessels and

	v		ELS A				м-	Fishi	NG MA	TER	AL.						
District.		Ves	ssels.		I	Boats		Ne	ts.	We	eirs	els.	h, in ice,	smoked, lbs.	cans, lbs.	rrels.	cans.
	No.	Tonnage	Value.	Men.	No	Value.	Men.	Fathoms	Value.	No.	Value.	Salmon, barrels.	Salmon, fresh, lbs	Salmon, smol	Salmon, in c	Mackerel, barrels.	Mackerel, in cans
Northumberland.																	
			\$			\$			\$		\$						
From Neguac Island to	3	18	6 00	9	50	1500	100	4900	1780				7860			212	
Tabusintae Bay and	3	10	000	9	50	1500	100	4900	1700		••••		1900	•••••		212	
River					53	605	163	4305	683				836			100	1000
From Portage Island to				• • • • • • • • • • • • • • • • • • • •			200	1000	000								
Lower Newcastle	1	25	600	2	105	1940	103	20200	9510				62680			105	7000
PointEscuminac, Huckle-																	
bury, Egg, Fox and																	
Bay du Vin Islands										1							
and Bay		150	1500	120	85	1700	114	7500	7500				78340			210	1700
Napan and Black Rivers, and from Bay du Vin																	
to Beaubairs Island		l			50	500	70	6000	1800				26440				
From Chatham Ferry to	••••			••••	30	300		0000	1000				20110			•••••	•••••
Head Waters, N.W		١	İ					3988	3200	l			20260				
From Beaubairs Island		l															
to Blackville													16362				
Blackville Parish													10000			•••••	
Blissfield FromDoaktown to Hovey		• • • •			20	100	20	355	130				612	•••••		•••••	•••••
Island						1		200	60	1	1	1	1170				
From Hovey Island to					1	l		200	00		J		11.0				
Burnt Hill	l	l	l		İ	l	 .	 		l	l	l	605		l		l
	<u> </u>									_							
Total	34	193	2700	131	363	6345	570	47448	24663				225165			627	9700
		l	1	1		l		İ		l					1	1	

Boats engaged in the Fisheries, &c.—New Brunswick—Continued.

_						=		-	_											_
			K	INDS	OF	F	ISH	•									Fis	H CTS.		
Herrings, barrels.	Herrings, smoked, in boxes.	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds, barrels.	Pollock, 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.	VALUE	•
700	400	•••••	1000							24 00	1000	78570	4			100		200	i -	cts.
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RECAPITULATION showing the Number, Tonnage and Value of Vessels and Boats engaged in the Fisheries, &c.—
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and Value of Vessels and Boats engaged in the Fisheries, &c.—Brunswick—Concluded.		Lobatera, cans.	47410 1657200 282829 2120736 467472 12000 12000 146554 4734331
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g the		Pollock, cwt.	293 80 80 80 3600 14880
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RECAPITULATION showing the Number, Tonnage New		Counties.	Restigouche Gloucester Northumberland Kent Westmoreland Westmoreland Victoria Vork Queen's Sunbury King's Sunbury King's St. John Charlotte

APPENDIX No. 11.

REPORT OF J. H. DUVAR, ESQ., INSPECTOR OF FISHERIES FOR THE PROVINCE OF PRINCE EDWARD ISLAND, FOR THE YEAR 1880.

ALBERTON, P.E.I., 22nd November, 1880.

The Honorable the

Minister of Marine and Fisheries.

Sir,—I have the honor to transmit herewith tabulated Statements of the product of this Fishery Division for the present year 1880, together with the Report on the several fisheries.

GENERAL SUMMARY.

The total product of the fisheries of Prince Edward Island this year amounts to \$1,675,088.90, showing an increase of \$272,787.50 over the unprecedented large returns of 1879. This increase has been almost wholly in mackerel and lobsters. The truth is that these two have become the staple fisheries of the Province and

occupy the fishermen to the growing neglect of other products.

Mackerel exhibit an increase of 12,485 barrels, of a grade superior to last year. Total catch, 82,570 barrels, besides a few canned, value \$660,560. The fishery may be thus briefly summed up: came in all along the coast about the usual time, and a little larger than usual, kept improving all the time until about one-third were number ones, one-third number twos, and the remainder number threes. There have been few American vessels fishing in the bay, having missed the chance of the fish schooling early they did comparatively little in mackerel, but better in cod-

Lobsters show the large production of 3,551,050 pound cans, value \$7.0,210, being an increase of 1,278,225 pounds. Quality good, with no perceptible falling of in the supply. All the factories closed promptly on the required day, and the traps were taken up as quickly as the weather would permit, excepting in two instances complained of, which were enquired into and explained. The reputed success of the lobster canning business has awakened the most lively competition, and many new factories are under contract to be ready before next season. In view of this expansion, regulations seem called for in regard to the licensing of sites, with a view to prevent future complications.

Both in lobsters and mackerel, the full capacity of each fishery in men and

material has been employed without break during the season.

Cod, hake and haddock have been rather scarce and not largely fished for, showing, therefore, a decrease of 7,414 cwt. of cod, 8,149 cwt. of hake, and 112,700 lbs. of haddock, a total deficit of \$60,775, which is more than made up by the increase on Fish oil and sounds show a proportionate decrease.

Herrings having ceased to be an export, are mainly a fishery for bait, and show

a further falling off of 6,059 bbls. Alewives have made an improvement of 297 bbls. Although the total catch of salmon is no more than 8,990 lbs. weight, it is suggested that the time is come to regulate this fishery with a view to the future of the artificially hatched fish. At the salmon breeding establishment at Dunk River the salmon fry hatched in the spring of this year were distributed successfully, and at the date of writing this report the prospects are fair for another year's supply of ova-

There is nothing to report in regard to the fish of the streams. Several fishways have been ordered. A good many offences, all of them of small account, have been dealt with.

In view of the altered character of the fisheries a reorganization of the wardens

is suggested. On the whole, the service is in good working order.

Cure has been taken, in collecting the statistics, to place the figures beyond dispute. Details relating to the several fisheries are given under the respective headings.

MACKEREL.

According to the newspapers, Professor Baird, the eminent ichthyologist, last year expressed an opinion that the supply of mackerel in the gulf this season would be both abundant and good. Intelligent fishermen, reasoning from observation of many symptoms, as well as from experience of past years, also predicted that fair sized mackerel would be as abundant this year as "tinkers," that is young fish, were last last. Science and fisher lore arrived at the same conclusion; both were right.

The immense and rapid growth of the lobster industry is, in a measure, altering the character of the other fisheries. It may even be a matter of thought whether this lucrative lobster fishery is an unmixed benefit in view of the future of the deep sea fisheries, although it brings temporarily to the Province an amount of cash larger than the total value of the mackerel fishery, which, as recently as the date of the Halifax Award, was the main feature of the Prince Edward Island portion of the Bay

of St. Lawrence.

In viewing the matter in its different bearings it is to be borne in mind that the practical prosecutors of our shore fisheries are laboring men, either of those who work on their own small farms, or of those who hire; but in either case men who take their surplus labor to the market that pays them best. Formerly it was the regular habit to engage for the season with the proprietors of general fishery stages, there being no other fishing enterprise in which they could engage. The local law recognized nized herring, cod and mackerel fishing as the fisheries of the Province, and provided protection against arrest, with other benefits, for persons under regular contract to fish. The force required to carry on the sea fisheries was, therefore, always available. able at the stages in the shape of a recognized body of skilled men accustomed to the work, and that had nowhere else to betake themselves for an engagement during the sea harvest. This force of fishers was apart from the residents along shore who did not come under contract but occasionally fished—if we may be allowed the expression on their own hook," and whose quantities caught helped to swell the aggregate of the island returns. The regular boats had three or four men on board. An average of the standard returns the regular boats had three or four men on board. average for the Province might be set down as 3.5 men per boat. This year the average of men is about the same, but the number of mackerel fishing boats is smaller. A great many men, say one-seventh of the former whole, have withdrawn from the sea fisheries and gone into the lobster service, that is to say at an estimate, rather under than over the mark, seven hundred men, whose catch of mackerel this year at eighty barrels per boat, if so engaged, would have been 20,000 barrels, are missing from other fisheries and have gone into the lobster trade.

As regards the value of mackerel already shipped, or to be shipped, it may be stated that a fixed official rate unchanging from year to year, although necessary for purposes of comparison, does not convey a correct idea of the increase or decrease in the value of the increase or decrease in the value of a fishery where prices are continually fluctuating with the pulses of trade.

On the On the contrary when prices are low it becomes absolutely necessary to catch more, so as to necessary when prices are low it becomes absolutely necessary to catch more, so as to pay wages and avoid ruin. In such years the computation of quantity at. official rates shows a greatly exaggerated value. Last year, for instance, fish were more abundant than ever known but very poor, and consequently an unusual number was taken, yet it is feared that shippers did not have a large margin of profit on finally settling. settling up. This year there seems reason to expect the actual profit on a like quantity will be formers are habitually ant tity will be greater, notwithstanding that fishermen, like farmers, are habitually apt to hamole greater. to bemoan themselves on low prices. The American markets for some time have been

quoted pretty firm at about \$13 to \$14 for number ones, \$5 to \$6 for number twos and up to \$4 for threes. Therefore an official estimate of \$8 over all is not this year so and at a project of \$1 for three with the prices obtained by

much at variance with the prices obtainable.

With reference to the American fleet off our coast an authority in Gloucester, Massachusetts, has kindly supplied me with the following, and a paragraph appeared to the same effect in the Cape Ann Advertiser, the fishing organ of New England, of date the middle of October: "The figures will be small this season. The Bay St. Lawrence mackerel fishery has been almost a failure so far as the American fleet is concerned. Only 53 American mackerel catchers visited the Bay, some of which did not remain any time and caught nothing. Ten of the fleet still remain in the Bay. The forty-three that returned home hailed for 6,657 barrels mackerel, an average of 155 barrels apiece."

It is difficult for us on shore to obtain accurate accounts of the doings of Americans at sea, but Longshore Island reports say that some of the earlier American vessels secured much larger fares than the above paragraph would indicate. One schooner, for example, sent two eargoes, amounting to some hundred barrels over the P. E. I. Railroad for transport, via Shediae, to the United States. The complaint of the Americans is that the fish did not school excepting very early in the season. Of their vessels seven lay off Cable Head, King's County, from the 7th to the 12th August, vainly waiting for a chance to seine, and then left for parts unknown. From the few Americans that visited the Gulf the damage done by seining must be less than formerly. Predatory fish seem to have been more numerous than usual, which may

partly account for the early scattering of the schools.

Several complaints, rather vague in the evidence offered along with them, have been made to me that the handling of lobster traps is hurtful to the mackerel fishery by breaking up the schools. As there is no seining done by our people the breaking up of the schools is less detrimental than it would otherwise be, unless it makes the fish take the bait less readily in consequence. The statement that bait drifted out of the lobster traps along the bottom supplies food and prevents the fish from taking the hook has yet to be proved, inasmuch as mackerel do not sink, but rise to feed, as may be noticed by the casting of toll-bait to bring them near the surface. Besides, mackerel do not prefer putrid bait as lobsters do. This year's catch, equal to three and a half millions of pounds of preserved lobsters, would imply 35,000 traps, at the rate of 1,000 traps to 100,000 cans, set, as complainants say, just on the mackerel ground and taken up twice a day, every thousand traps extending a distance of about four miles along shore in six to eight fathoms water. A natural inference is that the handling of so many traps must "scare" the schooling fish, but, on the other hand, the hook and line fishers this year have taken as many mackerel as their materials of stages, boats, barrels and salt would allow. With the threatened rise of a complete belt of lobster factories all around the coast, the matter—if there is anything in it—may The only practical remedy as yet suggested by the complainbecome of im ortance. ants, namely, that lobster fishing to restricted to deep water, could scarcely prove a remedy but rather an aggravation of the alleged evil, for the reason that the schools would be equally liable to be broken up by the same line of traps only farther off the coast. Herring and cod fishers say their business is similarly damaged. Of the three the herring fishermen seem to have most cause of complaint. This is a matter that was not foreseen when the Fishery Laws were enacted twelve years since, and has arisen here from the peculiar circumstances of Prince Edward Island, where so many factories have sprung up at once along a limited coast. Consequently a definite remedy is not provided by enactment, and any individual case can only be judged by taking the general tenor and spirit, rather than the letter of the Acts. I bring the matter to the knowledge of the Department for further enquiry.

Thirty fair sized fish are reported to have been taken off Souris, King's County, as early as the first week of June; ordinary fishing commencing there about June 20th, the earliest date for the Province. The latest caught were off Skinner's Pond, Prince County, on the first of November, being ten to fifteen days later than the usual

date of closing.

An undoubted specimen of the Spanish mackerel, male, Cybium Maculatum of the United States, was caught by hook at New London, Queen's County, on the 7th of September. It is rare to find this fish in so high a latitude.

COD, HAKE AND HADDOCK.

The fishery of cod, hake and haddock has been poor, for reasons not wholly to be explained. In the first place the fish were scarce on their respective grounds, and, in the next, the fishermen finding that good mackerel were striking in adundantly, devoted their attention mainly to the latter fishery. At all events cod, hake and haddock together show a decrease of \$60,775. Which is more than made up by the increase of \$97,842.20 on mackerel. In some localities so few haddock were taken that the Wardens in their returns lump them with cod. The fishing commenced about the 10th of June. Those taken throughout the season were about average size and quality. It is doubtful if any quantity worth noting was eaught within the Canadian three miles line.

The truth is that cod fishing has now become a fishery of the deep sea. It has receded and is yearly receding farther from our shore. 'A cod fisher of eleven years' experience assures me that the cod fishery was formerly a sure thing in five or six fathoms of water, but that now it is by no means as good at twelve fathoms or deeper, that depth being about four to five miles off the land. In English waters the best fishing is at twenty-four fathoms and even out to sixty. To go out and remain at five miles distance from the land requires superior boats to those that our shore fishermen possess, and it is mostly beyond their individual means to procure better. The principle of partnership in a good sea-going outfit is as yet little understood or acted on, although it is freely admitted that something of the kind must be done to make the fishing profitable. It may be mentioned that some remarks thrown out in last year's report regarding a better class of boats seem to have met with consideration, for several communications have reached me on the subject. The opinion of fishermen is that cod are always in or near certain localities in the gulf, and could be found if boats were fitted to reach them. As at present pursued the cod fishery lasts about one hundred and thirty-three days, from about the middle of June to the middle of October, after which the weather becomes broken.

A number of boats, mostly from Caraquet, N.B., have been fishing off the north of the island, and are much complained of for throwing gurry overboard. Their catch of fish does not appear in the accompanying returns, except 2,500 lbs. of cod sounds landed and sold at Cascumpec. These small crafts fish closer inshore than the Americans do, and consequently do more injury to the boat fishings. A partial remedy might be provided by an Order in Council directing that all fishing vessels plying their trade in Canadian waters within the Bay of St. Lawrence shall be furnished with gurry tubs or kits. It is asserted, but I have no means of verifying the assertion, that an order similar to this is in force on board American fishing vessels in American waters. Evidence accumulates that the cleaning of fish afloat is a most destructive practice, and several authentic cases have been found this season where fish have been destroyed by swallowing backbones or other offal. It is impossible that the shore Wardens can prevent the abuse from taking place at sea, but any Canadian fishing craft putting into port without gurry kits on board might be made liable to seizure

It is worth mention that one of the storekeepers in Summerside, Prince County, has imported his retail supply of dried cod fish from Gaspé, finding the fish of that coast larger and the quality better. A good beginning has been made by a firm at Georgetown, King's, and another at Mimmigash, Prince, in introducing the manufacture of boneless cod and hake put up in boxes for family use. The product is attractive in appearance, and when it is better known will doubtless make its way in public favor.

The authority in Gloucester before referred to states, of date 14th October, that the twenty-seven American vessels cod fishing in the bay had then caught 20,000 quintals.

HERRING.

The herring fishery has been dull and shows a deficiency of \$24,316, equivalent to 6,059 barrels fewer than last year. More could have been obtained had they been sought. All our herrings are caught in spring, mainly as bait for other fish, excepting the supply required for home consumption. Export as a food commodity has all but ceased, and, indeed, some of the fishing stages have imported herrings for bait from localities where abundant. Within a few years this fishery has changed its character from an export trade and has become almost entirely subsidiary to the other fisheries. Clams and other expensive baits were formerly in use, but now the mackerel and cod fisheries depend on the supply of herrings, there being neither capelin, squid, menhaden or other bait fish in sufficient quantity on this coast. In this point of view the spring herring fishery is of importance, but the supply is regulated by the demand. None are smoked or prepared as sardines.

Some of the larger curers last year talked of giving attention to fall herring this year. To go into that business requires both faith and outlay. Fishermen on a small scale would only make the attempt in a poor mackerel year. Capitalists might go into it as a venture based on the chances of making more by herring for market than by mackerel, but the generality of fishermen are content with a catch of mackerel, and do not care to abandon a certainty even for a chance of making more, especially as a different outlit of net would be needed with larger mesh than that required for spring fishing. Mackerel this year having been a certainty there have been no attempts to prosecute the fall fishery, although fish were known to be on the coast.

Total quantity of fall herring reported under fifty barrels.

The arrival of the spring herring on the island coast is irregular. The theory is that they come in from the outer sea, and consequently should strike the eastern shore sooner than the west. Returns gathered from fourteen fishing stations do not appear to carry out this view. At the East Cape they appeared on the 5th of May, at the North (west) Cape on the 1st of May, and at various intermediate points at irregular dates. A comparison of all the dates does not indicate any traceable course

of progression in the schools of fish.

Observation during coming years may possibly discover a clue to the order of their reaching this coast, and it would be well to compare the dates of their appearance farther up the gulf. All that seems to be established is that spring herring arrive off this coast at an uncertain time, somewhere about the beginning of May, strike in along all parts of the shore within a few days, remain about twenty days, then depart. Also that as yet we are unable to trace any rule that governs their migration, further than we may suppose it to be influenced more or less by currents, temperature, freedom from predaceous fish and local causes unexplained.

ALEWIVES OR GASPEREAUX.

The alewives fishery has fallen to a low ebb and continues to decrease, but not altogether owing to local overfishing in former years. The only special places in which it is still pursued on a scale large enough to be called a fishery is at North Lake, in King's County, and Cousin's Pond, in Queen's. A special watchman was appointed to guard each of these places during the past season. Cousin's is a pond about half a mile in length by one-eighth of a mile wide, in which three hundred fathoms of net were set, and as the entrance is a narrow run a watchman was necessary to prevent it from being completely closed by nets. North Lake is of greater extent but is much obstructed by a highway bridge crossing the narrow entrance. The fishery at North Lake, which was once good for 3,000 barrels per year, now produces only 800, but is yet of importance as furnishing the supply of bait for a considerable extent of coast.

Formerly alewives were taken in some quantity in the Bedford or Tracadic Ponds, Queen's County, but the runs are nearly silted up, and for want of a small

appropriation to re-open them, the fishery is there closed.

In St. Peter's Bay and the few open estuaries in which they are now found the

schools are scantier than in former years.

Former overfishing may partly account for the diminution of the supply. At the same time it must be said that they were comparatively well protected prior to Confederation, there having been special water bailiffs to guard the alewives fishery. It is not believed that gaspereaux come back to that particular locality in which they were spawned, as salmon do. If that identical opening is not available, the herring tribe, to which the gaspereaux belong, will search along coast for another. The closing up of a few ponds can therefore have but a small influence on the total general catch. If the fish shut out from the ponds searched along the beach until they entered the estuaries, the take therein should be greater by the added fish of the ponds. As such is not the case we conclude that the fish are not there, but that something more than our own former overfishing is reducing the supply. A cause is to be sought for in some other agency that is reducing and has reduced the number of the fish on our shores, and perhaps that cause may be found in the following paragraph:

Referring to the Blue Books we find that, whatever the agency, it is one taking place throughout the entire Gulf and not only on the Island coasts. Taking the whole shore of the Maritime Provinces of the mainland from Gloucester County, N.B., to

Inverness, N.S., inclusive, the exhibit is as follows:

1875. 1876. 1877. 1878,

Gaspereaux caught on coast of the main from

Bay of Chaleurs to Cape North, C.B, 10,225 8,196 5,336 3,178 1879, owing to an increase in Inverness County, showing rather better. This serious falling off is attributed by the Inspectors in their various reports to seining, overnetting and other continued abuses in their respective Provinces. It is clear that the destruction of the gasperaux on the extensive stretch of the seaboard of the main, where, of course, it is difficult to protect them thoroughly, must injuriously affect the library of the library of the library well looked. affect the like fishery of this Island, although here it is comparatively well looked Lying as this Province does in the bight of the Bay it naturally shares proportionally in a less or larger migration of fish with the other Provinces forming the closely adjacent coast. Such being the case it would offer but a partial remedy to recommend (as I did in last year's report) the total closing of this fishery in Island waters for a period of three years, or equivalent to the maturity of the gaspereaux. A general measure to that effect for all the waters of the Gulf perhaps might restore this perishing fishery of the Maritime Provinces.

The regulations under Order in Council of date 16th May, 1879, are less restrictions under Order in Council of date 16th May, 1879, are less restrictions and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the state of the regulations and the regulations are stated as the regulations and the regulations are stated as the regulations and the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulations are stated as the regulation of the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation and the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation are stated as the regulation and the regulation are stated as the regulation are tive than the local Island laws under which the fishery of alewives was administered here. These local laws provided that nets should be taken up every morning and not be set during daylight, but might remain out over Sunday, if not handled on that day. This gave seven nights and one day per week, or about eighty-five hours for the fish to run. The Order in Council gives a continuous run of about one hundred and eight hours. The catch is slightly larger this year, say an improvement of 300

barrels.

I have no further feature to remark in this fishery, excepting that a small appropriation to clear the runs might be laid out advantageously. All the catch is used for bait expecting a trifling proportion for home use. None exported. The fish came in rather earlier this year, but were not plentiful at any time. Quality better than last year.

LOBSTERS.

Large as was the product of the lobster industry last year it has this year increased one-third, and reached the very large figure of over three millions and a half of pounds canned, representing not less that ten millions of fish taken in the short space of time allotted to the fishery. Where last year there were but thirty-five factories there are now fifty-eight. Forty-seven others are contracted for or being already erected for next year. Several of the new factories are intended to be spacious buildings fully provided with the latest improvements in machinery for steaming and tinning, as also with appliances to economize bait, which, from the great demand and a poor supply, was scarce towards the close of the season. This year lobsters, computed at official rates, exceed in value the mackerel fishery of this

or any previous year.

During the whole season the fish came in steadily after they had once set in. About the end of May the traps were so filled at New London and elsewhere as to exceed the working capacity of the factories. It is stated from all parts of the country, excepting from the factories of Messrs. Forest & Co., at Spry Point, Grand River, and Georgetown in King's County, that there is no perceptible falling off in size from previous years. This is a matter that can only be ascertained by keeping a record at each factory over a series of years. In the Blue Book for 1873 the Inspector of Fisheries for Nova Scotia and New Brunswick mentions that in unfished localities of his division the lobsters average three pounds in weight, and large-numbers run from that to four and often five pounds. No such weights are found here. Six of ordinary size selected at several factories during the present season weighed from 15 to 18 lbs., giving an average of two and a half to three pounds. The cause of the difference in weight observed at adjacent factories is not apparent. It is stated that when the weight falls to one and a half pounds, the business, as at present conducted, ceases to be profitable.

A large amount of ready money is circulated by this industry. Besides the erection and repair of buildings, tin and iron work, boat-building, fuel-cutting, truckage, and much other outlay, fair wages are paid, directly or indirectly to perhaps two thousand hands, male and female. Hence the industry is of considerable importance in the political economy of the Province. Its aid to the country is to be estimated at more than the mere amount of money it brings in. For Prince Edward Island, in its social features, is the Switzerland of the Dominion, inasmuch as our youth have an aspiration to seek that fortune abroad which our sleepy social system precludes them from making at home; and any inducement that prevents the necessity of their casting in their lot with a country politically and commercially

opposed to Canada is of a value to be estimated highly.

Information supplied shows that almost all the product is sent to England, the ports being London and Liverpool. A portion, made up mostly in flat tins, is shipped to Germany via Hamburg. Only one factory appears to ship in quantity to the United States, and one packer gives as his market "the wide, wide world."

The question of "when is the proper time for a close season in this Province?" has not ceased to be a matter of discussion, and a reply may perhaps be reached by a

brief sketch of the biography of the lobster as observed in these waters.

It must be premised that naturalists as well as fishermen are rather seant of information in regard to this crustacean. The ova are known to remain attached to the mother fish until the capsates rupture and the fry are able to maintain an independent existence, but it is not known how long a time clapses between extrusion and final hatching. On their first emancipation from the shell the young resemble water spiders of about one-third of an inch in total length, including a spider-like swimming apparatus. When grown to the length of an inch in the body they have become perfectly developed in shape as miniature lobsters, but of a ruddy color, as if boiled. In this stage they have been taken on this coast from the stomach of the cod. Of the size of two or three inches, they are occasionally washed ashore after storms, and have been found clinging alive to the meshes of hoop traps. After attaining a larger size the growth appears to be slow, which would suggest that the creature is long lived, as is further indicated by some mammoth specimens showing the marks of age, that have been caught here, one of them of two feet length in the body. Elsewhere female lobsters weighing not more than half a pound in weight are said to have been found carrying eggs, but I have had no opportunity of observing a similar incident here, and believe any such instance to be abnormal. Experiments at the French Government's sea tanks in Brittany lead to the belief that it takes the

lobster five years to arrive at maturity and for the female to reach the age of fecundity. Science has not yet established during how many successive years the the spawners continue to produce young. The exact period of spawning—that is to say, of detaching the egg with the capsule ruptured—remains among the mysteries. All that may be definitely accepted is that it varies in different latitudes and different conditions of the water. In the colder water of the Atlantic coast, rock bound and deep, although farther south, it would seem to be later than in the Bay of St. Lawrence. The warm, shallow, sandy shores of Prince Edward Island offer conditions different from the cool margin of the ocean. During the past three years the average temperature of the summer months on the north of the Island has been in June 56° 56', July 63° 40', August 62° 27' Fahrenheit, and rather more than one degree higher on the South shore. A sun of the fervency of July shining on the calm surface of six to not exceeding eight fathoms of water, reflected by a subaqueous floor of ruddy sand, must cause a high temperature at the bottom, speaking without close experiment, I should say of 55 degrees. Possibly this water hot bed explains why so large a proportion of the lobsters in these waters are found to spawn in July, and in that month to be soft shelled and debilitated. The circumstance that August and not July is the spawing month on the South shore is in accordance with the same view and may be accounted for by the current and greater rise of tide in the Straits of Northumberland, which naturally make the water cooler and delay the spawning date. At the spawning and shell-shifting stage of its existence the fish is in the condition a fever patient would be among the higher classes of organisms. The fle-h shrinks in weight and texture, the juices are vitiated, and persons of ghoul-like tendencies, who have had the courage to eat of it in that condition, say the taste is acrid and unpleasant. This sick period continues probably no more than a month, after which the flesh again becomes firm and fit for food, and so remains until winter stops the fishing. But flesh canned during the fever time of reproduction will neither pot well nor keep.

The smallest enquiry may be aid to science. Consequently I have asked old hands engaged in lobster fishing, "Where do the lobsters that strike in myriads on the island come from? From the Atlantic? That is to say, do they circumnavigate Newfoundland, or do they remain during the winter in the Bay of St. Lawrence?" Without one exception the replies received have confirmed my own view, namely, that they remain in the Bay. If true, this is one point gained. The habitat of the lobster, so valuable to Prince Edward Island, is altogether in the stretch of sea between the island and Labrador and in the other deep water immediately

surrounding. Dredging is said not to have discovered lobsters at a greater depth than thirty fathoms. If such be the case it is evident that it is the same body of lobsters that come back to our island year by year. There is, in fact, but a ring or fringe of this Valuable crustacean around our coast, and not backed up by inexhaustible relays from the ocean. Within the short period of seventy to eighty working days, fair and foul, of the present year, not fewer than 10,000,000 of these were captured on our limited water line. No reproductiveness can long stand such a strain unless the most stringent precautions are taken to preserve the breeders. The State of Maine, U.S. becoming wise too late, was compelled to pass a law inflicting a fine of \$10 for every breeder taken. Prince Edward Island, fortunately, has not yet arrived at a crisis that threatens extinction of the industry, but the experience of other coasts should teach a needed lesson. Soft shelled fish protect themselves, they are too sluggish to take the trouble of feeding or of locomotion, consequently few are caught; and so long as the packers pay the fishermen so much per hundred, undersized fish are not in much danger, but the system of buying by tale offers no protection whatever to spawners. The only real protection is that the factories shall refuse to receive spawners at any price.

In this connection it may be mentioned that a paragraph has appeared in certain newspapers to the effect that some of the earlier shipments from Prince Edward Island this season were "trash." An enemy hath done this. Nevertheless it is a

matter well worth careful consideration by such a guild of lobster packers, as I ventured to suggest through the local press, whether this damaging slur on the island product is not traceable to the blindness and greed of one or two less respectable cannors in making use of gravid and even soft-shelled fish. The supposition that such is the case is quite admissible, and it seems cruel that a vast industry, employing labor liberally and bringing to this small Province large remittances, should be put in peril by law breakers in their short-sighted improvidence. Nothing would tend more readily to establish European confidence in island shipments than a strong resolution passed and acted on by the eminent packers, pledging themselves to use no fish in their cameries excepting of full size, vigor and condition, and, moreover, committing less conscientious competitors to conform to the regulation under pain of exposure. this way alone can the relations of the packers, the fishery officers and the public be put on a proper basis. The proposal to appoint a special fishery constable, expressly to look after the lobster trade, would be somewhat derogatory to the respectable packing firms, and would be unnecessary in view of such action as above suggested. I am happy that many of the leading firms act on and believe in the principle above At the same time it is within my knowledge that a good many factories do make use of spawners, although it is all but impossible to bring home the offence. Moral certainty is not legal proof. The only true protection of the industry, as already said, rosts with the leading men engaged in it. Such protective action should be made universal, and should emanate from the parties to be benefitted. respects besides those above stated united action on the part of the packers seems eminently desirable for their interests, especially in making representations to the Government, where views set forth by a united body would naturally carry more weight than the individual expressions of opinion with which the Department is flooded. Let me here take the opportunity of strongly asserting, from a knowledge of the facts and with a view to the statement reaching the public, that at present the first class brands of Prince Edward Island canned goods—provided they are first-class brands—can be received with every confidence.

To resume: It is admitted that female lobsters are accasionally found carrying ova at all seasons of the year when the water has attained a degree of temperature sufficiently warm for them to seek the shore, and in greater or less numbers according to the depth of water in which the traps are set. This has induced some fishermen to believe that the breeders spawn twice a year and others to assert that they spawn at all times of the year. Such may be, but the balance of present evidence gues to prove that on the Prince Edward Island Coast midsummer is the true spawning time, and that any departure from it arises from causes that cannot be reckoned on. reasonable to suppose that the work of reproduction having been accomplished in July or August, the fish recover their vigor and remain full and wholesome until they Last year I myself rotire into deeper water. And such is found to be the fact. caused traps to be set later than closing day and the lobsters taken therein proved to be in good condition. This year the fish were perfectly sound in quality, in all parts of the Province, on the day of closing and not perceptibly fewer in numbers. In 1879 returns from almost all the factories then in operation gave, for the whole catch, only from three to ten per cent. of fish in spawn, much the larger proportion being in July. Suppose the sexes equally divided, as there seems reason to believe is so, there results that out of every one hundred lobsters in the sea or caught, only fifty are females, and these females take five years from the egg to become fecund. And if the total proportion of lobsters in spawn does not in most cases, as reported to me, exceed ten per cent, of the whole island catch of both sexes, it shows that one-fifth of the females carry ova each year. That is to say, there are four times as many young breeders coming forward as there are egg-bearers, and one-fourth of that number come into breeding year after year. The protection of undersized fish is, therefore, a protection of future breeders, and there are so few actual breeders in every hundred lobsters caught that to can them is a wanton waste that even the perpetrators do not excuse except on the plea that the canning time is so short that they are driven to make use of all that come to hand. The number of actual breeders is really so small that to omit them altogether would have little appreciable effect on the business of a Well conducted factory, especially were a longer time given in which to fill orders. What then is the best closed time to permit these breeders to reproduce in peace confining the enquiry to Prince Edward Island only?

In the course of communication with the packers I have been requested to bring to the notice of the Department all manner of suggestions, ranging from a few of the great firms that are satisfied with the law as it stands, down to the denizens of a certain headland who pray the powers that be to remove all restrictions and superannuate or shoot of the more intelligent. shoot the Wardens. This is the place to offer some remarks on the more intelligent of these suggestions, it being borne in mind that the problem is not solely to protect the fish (which could be done by total prohibition) nor to please everybody (which is impossible) but to render permanent in this part of Canada a valuable industry that has proved fleeting elsewhere, and, in attempting to render it permanent, neither to cramp present nor prospective enterprise nor to benumb expended capital.

Besides the views of those who are satisfied with existing regulations and of those who wish for an extension of time, the following plans have met with advocates: to close the factories during the warm weather of midsummer; to adopt different times of beginning and closing on the north and south shores of the island; to place lobsters on the same footing as finned fish of the sea, removing all restrictions as to time and permitting them to be caught as long as they can be; and when the supply falls too low to wholly close all factories for one or more years, as the exigencies of the case

may require.

Although observation indicates that the spawning season on this coast is July (or August on the south) a proposal to close that month is beset by difficulties that would be more oppressive to the packers than the simple remedy of refusing to receive fish in spawn. Experienced packers can tell at a glance whether the spawn has been removed by the villainous practice called "combine." This skill should be sufficient for my day to close the for prevention without the harsh measure of totally stopping from work. To close the factories for a month in the middle of the season would be to disperse the hands who could neither find other employment during the recess nor be readily recalled. The taking up and storing of traps would be at once a grievance and an expense. Moreover the limited staff of fishery officers would be even less able than they are now to check infringement of the law. Briefly then, the closing in July, even admitting it the true spawning season here, may at present be considered impracticable.

The demand for a complete abol tion of the close season seems founded on a want of knowledge of the difference in habits between lobsters and deep sea fish, which I have endeavored to set forth above. Neither hapes nor theory can stand in face of

the fact that the supply has been ruined on other coasts by over fishing.

No other result could rationally be looked for on the island coast were it thrown The larger factories carried on by responsible and judicious men are not those to be feared, but the crowd of smaller competitors that, without capital or conscience, would spring up with no other view than to fill the greatest number of cans without care as to the contents. At present there is no regulation to prevent a whole village of Laboratories that are intended to be perof lobster shanties being set down alongside of factories that are intended to be permanent and that represent capital of some thousands of dollars each. When such predatory adventures have succeeded in ruining the locality they can drop the business without loss, whereas those packers who have erected expensive buildings cannot a succeeded in the second secon cannot do so. It must also be noted that were a close time abolished Government could not grant the licenses that several of the packers have applied for. A close time so far from being a detriment, is therefore a protection to the legitimate fisher.

The minute from being a detriment, is therefore a protection to the legitimate fisher. The views of the advocates of unrestrained fishing are set forth in the following communications which two of the leading packers have favored me with.

Hon. Mr. Gavin, a member of the Local Government, says:

Respecting the close season I would wish to make a few remarks. For my own Part I would be quite well satisfied with it as it is at present, but there are other parts of the ideals and this leads me to the of the island where I know it operates disadvantageously, and this leads me to the questions and the subject to Question: 'Why should there be a close season for lobsters?' I have given the subject

some attention and although engaged in the business myself, I am not one of those who would wish to see the lobster business receive a permanent injury for the sake of making it profitable for a few years. But I feel assured that the close season, while it considerably hampers the operations of lobster packers, does not accomplish the object it was intended to effect by its promoters. I presume the object of the close season is, first, to protect the lobsters while depositing their eggs, and, secondly, by limiting the time for fishing to provide against the lobsters being fished out. I feel certain that the close season has not and cannot accomplish anything towards attaining the first object, as it is now admitted by every one, who has had any experience in packing, that lobsters in spawn are caught at all seasons of the year, and that they have no particular season for spawning. With regard to the second object, I do not see any reason to fear that lobsters would be fished out in the Straits and the Gulf of St. Lawrence any sooner than other fish such as herring, mackerel, codfish, &c. Men who have been engaged in the business on the south side of the island for a number of years say that they see no difference or falling off in the supply, though the traps and appliances for catching them have been increased a thousand fold. Although I am satisfied with the present arrangement, as far as my business on the north side is concerned, still I look upon a close season as a mistake, and in view of the large amount of capital invested in the business at present is almost a misfortune. My principal objection to the close season is, that it cannot be made to suit all parts of the island at the same time. Lobsters with soft shells are seldom seen on the north side of the island, whilst on the south side almost all that are caught in the month of July are soft and unfit for canning. I do think the sooner the close season is done away with and men are allowed to use their own judgment the better it will be for those engaged in the business, and it would not tend to exhaust the supply any more than under the present arrangement."

Hon. Mr. Prowse, likewise a member of the Local Government, and extensively

engaged in fishing on the east coast, further adds:—

"As we hold half the interest in two factories, our observation has necessarily been pretty close, and we are more than ever convinced that the lobsters are in better condition every way after the 1st of September than they are at any time previous to that date, and we are also convinced that, as a rule, they are fit for use during the whole year like any other fish. Of course, no sane man would think of canning a soft shell lobster which occasionally enter the traps throughout the whole summer, but the number is very limited, owing, we think, to their inability or unwillingness to move around while in that state. Several of our neighbors have lost more or less cans this season, and opinion is divided as to the cause. Of course, the mechanics in charge maintain it is through no fault of theirs, and attribute it to a disease in the lobster; others that it is in the air, &c, &c., but I am most firmly convinced that it is altogether owing to the want of sufficient care and cleanliness in and around the factories. When the lobsters were most plentiful they could not be canned up as quickly as it was necessary to do, and in consequence the tables, &c., too long saturated with the fluid matter from the fish without being cleaned and washed off, and, this happening in the very hot weather, the meat very soon became tainted and the result was 'blown cans.' We are still strongly of opinion that there should be no close season, but all parties should be allowed to preserve the lobster as they are any other fish, then there will not be such anxiety to put up so many in so short a time. We are convinced that to do a successful business extensive premises must be erected and kept perfectly clean and airy. To this end we are adding to our factory at Guernsey Cove, which, when completed, will be nearly 200 feet long, while our factory on the north side of Murray Harbor is said to be the best and largest on the island, and in consequence has been most successful in preserving. Hoping you will be able to advise the abolition of any close season in future, &c."

The proposal to close the factories wholly for one or more years when the supply fails is too crude to be entertained. If it takes lobsters five years to grow adult from the egg, a single year's rest could have no other effect as to succeeding years' catch than to advance surviving fish one year forward in the scale of age. A rest of

five consecutive years would be required to produce marketable fish, and a total cessation from fishing during each alternate lustrum of five years would be necessary to keep up the full supply. Needless to say, such an arrangement is both complicated

and impossible.

To put the north and south coast of our narrow island under different regulations would be to establish a precedent that might become troublesome here and elsewhere. In all competition better and worse chances occur that it is beyond the line of a Government to supplement. For instance, the choice of locality in which to carry on an enterprise is a matter of individual judgment that can scarcely be expected to change general regulations excepting under very exceptional circumstances. Nevertheless, the packers on the south of the island, having mostly selected their sites before the fishery regulations took shape for the Province, labor under disadvantages. Their grievances are explained in a letter to the Inspector from Mr. Anderson, proprietor of an extensive factory at Belle Creek, Queen's County. He writes:—

"On the south side of the island, of the four months given at present there are only two months and twenty days at furthest that fishing can be done to be even paying. Scarcely a fish can be caught till the 20th of May; from that time they are good till 1st of August, when they begin to soften and continue bad or unfit for canning until the latter part of August. In August plenty of fish are caught, but one-third of them at least are useless and are thrown away and thus uselessly destroyed. This system is very destructive, as fishermen put out more traps in order to counterbalance the loss from culling. Now, the canning of the other two-thirds, being very inferior fish, has undoubtedly already been the cause of hurting the reputation of our lobsters in the home market for a large proportion of those canned in August fail before being shipped, which does not at all occur at any other season. What is wanted is to have the time changed so as to be from the 15th of May to the 15th of October, with August left out. Much capital has been invested to be only a loss and ruinous to the reputation of our island fish."

I endorse the statements put forth by Mr. Anderson, and would suggest that the remedy lies in a general change of time for the whole island, as discussed in the

following paragraph:-

The design of the Government in fixing by general order the period of lobster fishing from 20th April to 20th August, was evidently to give fishermen one hundred and six clear working days (this year 116). Practically they have no more than about seventy days at the utmost. As thus, respectable packers will not now can soft-shelled or breeding fish, and the period during which these bear too large a proportion to leave a margin of profit on the general work of the factory is about a month—the month of July; deduct, say, half the working days of July and only ninety-three days remain, from which have further to be deducted at least twenty days of unseasonable weather at the beginning of the season, thus leaving only seventy three days, fair or stormy, to work. The factories are supposed to open on the 20th of April. According to a record supplied by the official Metcorological Observer on the north coast, horses crossed the river ice for the last time this spring on the 22nd of April, and that ice drifted for many days about the coast. On April 23rd, 28th, 29th, 30th, May 1st, 2nd, 4th, 6th, 7th, 10th, 12th, 13th, 14th, 15th, 18th, 19th and 20th the wind blew from various quarters for a part or the whole of each day with the force of a fresh breeze sufficient to raise a sea too broken to be safe for setting out traps.

Moreover, a circular letter sent by me to every factory shows the 13th of May-was the earliest day on which any establishment opened, and on that day were only two, five on the 15th, sixteen between the 18th and 21st, nineteen between the 24th and 30th May, and the remainder in June. Further, an enquiry, "Were lobsters perfectly sound on the day of closing," has been replied to in writing by every packer, to the effect that the fish were never in better order than on the 30th August, when the factories were obliged to be shut down. This is evidence that cannot be overridden by any arbitrary theory of time so far as this Province is concerned. Were our fishing season changed so as to commence on the 20th May and to close on the

20th of September it would give the one hundred and six days originally intended. Having, practically, more days on which men can work within those dates there would be less temptation for the packers to make up a given number of cans by fishing during the unwholesome time. The change would, in a measure, suit the requirements of the south side of the island as well as of the north. Until further developments in the business shall necessitate other arrangements the change above suggested would satisfy all interested with the exception perhaps of a few. Trade jealousies are not in my way, otherwise it might be added that hostility to a change in the fishing season in Prince Edward Island comes not from islanders, but from competing packers on the mainland.

Having at the close of last year held office but a short time, I hesitated to express a definite opinion in the Annual Report. Further observation justifies me in definitely recommending to your Honor, on the grounds above stated, that the lobster fishery for the Province of Prince Edward Island (only) commence on the twentieth day of May and close on the twentieth day of September. This recommendation is made, not that a greater number of fish may be taken, but that the business of the season being practically stretched over a greater number of working days may offer

less temptation to destroy the breeders necessary for continued reproduction.

In the last Annual Report, pages 267-8, it was brought to notice that sooner or later a system of licensing the sites for lobster factories would have to be introduced, and it was added that in view of many complications that now exist and are certain to multiply, probably the earlier it was done the easier it would be to become master of the situation. Another year's experience goes strongly to confirm the suggestion.

Several applications for licenses have been made and have been forwarded to the Department with my remarks on each individual case. The object sought to be attained is to secure certain limits of shore necessary for the healthful prosecution of an industry that floats a large amount of capital and employs almost exclusively Canadian labor.

At present no factory is secure against unfair competition. The legitimate trader carefully selects a site at considerable outlay of money and research, erects buildings thereon and hazards some thousands of dollars in the enterprise. To carry on the business a clear stretch of sea is required of from two to four miles according to the number of traps to be set out. His success during the first few weeks is watched, and if the experiment seems to pay, other parties crowd on the locality by erecting competing factories alongside on the beach, or on some scrap of land purchased for a trifle from some farmer who has a shore frontage. The direct result is overfishing. The Inspector has been called three times during the past season to adjust disputes caused by the overlapping of traps belonging to adjacent factories. The system as it now stands is eminently unsatisfactory

The only practical remedy is in the assignment of lobster fishing stations, similar in principle to the salmon fishing stations on the shores of the mainland.

Objections have been made that the power to grant licenses rests with the local Government of the Province as having acquired the right to the fishery reserves by becoming purchasers of the original land grants. On this subject I refer to my correspondence with the Department, of date 12th April last. At present the question is less complicated than it may speedily become with the rapid increase of factories. The peculiar tenure of land in this Province may make it necessary, under section 2 of the Fisheries Act, to submit a case to the law officers of the Crown, in which contingency the points would seem to be: whether the Dominion Government, as administering the general interest of Her Majesty in the Fisheries,—or whether the Local Government (and through it the holders of shore frontages from it), as purchasers of the original grants from the Crown have the right to issue license? In other words, whether or not power is inherent in the General Government solely, to administer the fisheries of the migratory fish of the sea, and, in pursuance of that administration (lobster fishing being a fishery of the shore,—and shell-fish being under the Act), to lay off the beach of this Island with the waters of Canada adjoin-

ing, in lobster fishing stations, similar to the salmon fishing stations on other Cana-

dian shores, and without reference to shore farm frontages?

I think the general feeling is in favor of paying an annual license fee for the sole occupation of a given distance of shore, which would bring lobster fishing under Sec. 13, Sub-sec. 1, of the Fishery Act of 1868, and would enable packers to claim the assistance of the fishery officers to prevent encroachment on the ground licensed. Assuming the power of the General Government to issue license there could be no difficulty in regard to new factories, but the question arises in how far existing factories built on purchased sites can be compelled to take out a license for protection of their station when they have not been hitherto protected from competition of site, but have been crowded into limits too small for their business.

A practical solution of the important question of lobster fishing licenses—as regards this Province only—would be to lay off the chart of the coast in "stations," duly assigned with reference both to existing and future factories, and the taking out of a license to be optional with existing factories, according to the circum-tances of each individual case. And such solution I beg to offer to your honor's consideration.

OYSTERS.

Illegal oyster fishing causes considerable trouble. Any person (excepting the fishery officers) can procure oysters in Charlottetown and some other places at any time throughout the close season. The general public appear incapable of believing that during close time shell fish are unfit for food. Wherever there is demand there will be supply, and as the restaurants are besought for oysters even during the hot days in summer, they manage to minister to the depraved taste of their customers. I was in hopes that the appointment of a special Warden for Charlottetown would prevent supplies being smuggled to the receivers in town, but as it somehow has not answered the purpose other arrangements will be required for next year.

Although it is to be hoped, even for hygienic reasons, that the vicious propensity of eating unclean shell fish may be educated out, there is a more destructive agency to the oyster fishery in "mussel mudding," or the taking of oyster shells for lime. As matters at present stand the almost complete extinction of oysters in Prince Edward Island is only a question of time, and, unless circumstances altogether hostile can be reconciled, that time will be a short one. At present it is a tussle between the farmer and fishmonger, and the weaker will go to the wall. Let me

take some pains to make this clearly understood by the Department.

The soil of almost the whole Province of Prince Edward Island is a light loam from disintegrated new red sandstone, so deficient in lime as not to effervesce with acids. There is no limestone to speak of. Crude stone for the few lime kilns at present burning has to be imported from Nova Scotia, New Brusswick and Anticosti. Agricultural lime is, however, an absolute necessity. Hence the immense value to the farmer of what is known as "mussle mud," that is, the shells and marine deposits of old Oyster beds, which supply a large percentage of the purest lime, the remainder being animal matter and marine alluvium, themselves valuable fertilizers. It is not saying too much to assert that the product of grass and grain has been increased one-third by the use of this mud during the few years since it began to be generally made use of. Twenty, not exceeding thirty, sleigh loads is the quantity used per acre. Last year the bulk extracted from the oyster beds could not have been less than 200,000 loads, at a rough calculation, and as it is now conveyed inland by railway the demand is vastly increasing. During the season of winter the cumbrous digging machines, worked by horse-power and each attended by two or three men, cover the Oyster creeks like a scattered encampment.

The island coast is fringed by innumerable creeks—our so-called river mouths—over beds of sand, paved with patches of broken sandstone or with an alluvial mud, not soft enough to be called ooze. Many miniature bays present the like conditions. From time immemorial oysters have propagated on these floors. Like the coral worm the bivalves are continually building up reefs. The tides covering these

oyster reefs have no rapid rise or fall to wash the sprat out to sea, the medium rise on the gulf being about three feet and on the Straits of Northumberland not very much more in the sheltered coves. Geological indications testify that many of the creeks and inlets were formerly deeper and narrower than they are now. Stratum on stratum of oysters grew in them, the underlying layers dying in the ordinary course of decay, each as it died forming a bed for its successor. On each stratum grew other strata intermingled with drift continually growing higher until the reef reached into the region of the ice, when, of course, the surface stratum, then the only one alive, perished. It is this "midden" of mingled oyster shells and muck that is called a mussel mud bed. Live beds are undergoing the same process of decay and growth, and are continually increasing in height, although yet below the level at which they come in contact with the rasping of drift ice. Over these beds, alive and dead, the digging machines are erected and cut deep sections in the banks of shells.

It will be seen that without the added destruction of the mud diggers every oyster bed will perish naturally in process of time, but new beds would form in an ever enlarging radius if left undisturbel. In three or, at most, four years from the time the floating spawn fixes itself in a new locality full grown oysters are to be found.

Prior to Confederation a good deal of tinkering was done by local legislation in regard to oysters. In the time of William the Fourth an Act was passed to prevent the practice of burning live oysters for lime. I am under the impression that at one time export was prohibited for a period of three years. By another Act all persons, except resident islanders, were forbidden to fish, under pain of fine and forfeiture. In 1865, regulations were made for leasing, by auction, certain localities laid off as public preserves, and persons owning creek lands were encouraged to apply for a grant of their water frontages for oyster culture. So far, so well. But next Session an Act, remarkable for its crudity of expression and disregard of statute rights, was passed containing this clause:—"Nothing shall prejudice the right of any person to take from any river, whether within the bounds of any oyster fishery which shall have been or may be granted or otherwise, any mud, mussels, or mud mixed with shells of any kind, bond fide intended for the purpose of manure to be used within this island, although some of the oysters or oyster brood should be thereby unavoidably taken, removed or disturbed."

After the lapse of some years this section was amended, but the objectionable clause was suffered to remain. Thus the matter at present stands, and it strikes me, as a mere layman, that some nice questions of jurisprudence arise out of the position. Such are—in how far can Dominion enactment in regard to the fisheries preclude the local power of legislating on a different specific subject, namely, the promotion of agriculture? And, on the other hand, what right has local legislation to set at nought Dominion legislation by authorizing the disturbance of Dominion fisheries,—shell fish being under the Act?

It is apparent what an anomalous position the Prince Edward Island oyster fishery is in when the General Fishery Law protects and requires its Wardens to protect the oyster beds from fishermen in summer, in order that they may be destroyed, under the Local Law, by the farmers in winter. Such, however, is precisely the case under the conflicting jurisdictions.

A practical remedy is hard to suggest. The object is, of course, at one and the same time to retain the oyster beds from extinction, and to interfere as little as possible with the valuable privilege of the agriculturist. Perhaps both objects might be attained by repealing the obnoxious section of the Local Act, or declaring it superseded, and substituting therefor a regulation setting aside certain spaces as Government reserves to be offered on lease, and further, by encouraging anew applications for grants of shore for oyster-culture. Even were this done to a reasonable extent, and were such leases and grants wholly exempted from infringement by diggers, there would still be room enough on dead beds for the requirements of the farmers. Theoretically, the fishery Wardens might annually lay off defined localities for the

use of the diggers, but practically an employment requiring so much care, time and

expense of travelling is beyond the reach of the present staff.

Any comparison between the relative values of mussel mud and oysters must be in a manner fanciful, for the reason that the market price of a load of manure bears but a slender proportion to its results when applied by the hand of skilful labor. Mud is sold, lifted on the ice, at eight cents per load, and, at a low estimate, there must be equal to one thousand farmers who use two hundred loads each per annum. Cash value of 200,000 loads of mud at 8 cents, \$16,000—an amount not directly brought into the island. Quantity of oysters legitimately taken the past year, say 30,000 barrels, of which 20,000 barrels were exported at one dollar per barrel, cost price \$20,000, which money is brought into the island; to which I must reluctantly add an estimate of 500 barrels illegally taken in the close season for home consumption. Statistics accompanying the next census returns will give the exact number of mudding machines, at which, at present, I only guess.

The breeding of oysters artificially is now among the established industries of the age. Prince and Queen's Counties, as well as several localities in King's, are especially well adapted to oyster culture. This Province, to), has the advantage of having its name known as an oyster producing country. The famous Bedeque oysters were long a bonne bouche loved of epicures. Bedeque is now oysterless. Almost all that is required to partially restore the perishing fishery is a system of inexpensive grants or leases, and protection against disturbance of the beds. The conditions, however, are indispensable, for no scheme of destruction could be devised more certain to obliterate oysters from the list of island products than the digging of innumerable mud holes into which the spawn is washed, and being silted over, perishes. Oyster culturists would, no doubt, attempt to remedy this by the use of intercepting

fences of faggots, but such, at best, is a partial expedient.

As this report will likely be read by persons who may be disposed to try oyster culture on a larger or smaller scale, I give a brief account of the oyster breeding establishment at the Narrows, Lot 12, Prince County, the only one in the Province, and the property of the Hon. J. C. Pope. The locality is on the mainland of Prince County, and extends from the shore to mid-channel of the narrows, which are here one-quarter to one-half mile in width between the mainland and Lennox Island, the property and home of the remnant of Micmac Indians. The site was leased prior to Confederation, under the local Act for the encouragement of oyster culture. The system pursued is to nurse the natural beds and to build new ones where the water and bottom of hard sand and hard mud are suitable. Average rise and fall of tide about two to three feet. Fifteen acres of beds are already planted and a new one of four acres is being laid down. During the fishing season thirty men with a like number of small boats are employed. Spawn was formerly shipped to England but is understood not to have paid. An attempt was made to rake the beds by means of a dredge similar to those in use on the British and French coasts, but, from local causes, it was not found to answer, and the oysters are now fished up altogether with 'tongs,"

One man in a day can fish one, two or three barrels according to circumstances. The boats when laden discharge their cargoes at a receiving house where the oysters are carefully hand-picked and separated into two marketable qualities, number ones and number twos, the number ones being exceptionally large and fine. The remainder, consisting of dead shells and small live oysters, are laid separately on the new beds in a "culch" or stratum of about six inches in depth on which the young brood develop rapidly, and in four years from the spawn become of full marketable dimensions. The first quality of number ones are shipped chiefly to Montreal, whence they find their way to the Capital. Number twos are sold elsewhere. None are canned. It is unnecessary to put on record here the quantity annually shipped. The French method of cultivating on plats is not practised at this establishment, and might be rather cumbrous where other means answer the purpose but, there is no doubt it would be successful if tried. A piece of telegraph wire was recently fished up completely encrusted with good oysters of uniform size, which indicates that the

method by which spat is collected on potsherds strung on wire would answer here. Now that a pottery has been established in Charlottetown a few thousand plats of baked clay would cost but a triffle, and the result would be alike interesting in science and practice. It may be mentioned that the Indians are quiet neighbors, and some of the less indolent are employed in the fishery.

Shipments from the island were not over for the year at the date of writing this

Report.

In spots where it has been possible for the Wardens to give strict supervision during the past two seasons and where the ground was not disturbed by fishers of mussel mud, considerable broods of young oysters have established themselves.

SALMON.

Nine thousand pounds weight of salmon are set against 6,805 pounds reported last year, the apparent difference being due to more careful collection of statistics. It cannot be said there is any regular salmon fishery either in stream or sea in this Province. An attempt, on a small scale, is made annually by a Mr. O'Connor, at Kildare Capes, Prince County, but the total result of his labor this season has been only 350 pounds. A very few have been accidentally captured in Meyrick's licensed deep-sea trap at Tignish, Prince County. On the north shore, from Naufrage to Tracadie, chiefly at St. Peter's, are the only localities where regular fishing is attempted. At present the fishing there is done by gill nets, by some few occasional fishermen, who are resident by the shore. These persons have been notified that next year they may be called on to pay a tax on the fish caught, if not charged for a license, but were such a tax imposed it would be difficult to ascertain the quantity of fish caught without such a remodelling of the Warden's services as I propose in another part of this report.

As the salmon from the hatchery at Dunk River may be expected ere long to return to our coast, it is desirable to organize the fishery now, small as it is, with a view to the future. In the report on the lobster fishery I bring to your Honor's notice the urgent necessity there is to introduce a system of license for that industry, and I here suggest the desirability of issuing like license for assigned salmon stations. The principle being once established, and the practice extended to this Province, the remainder is a matter of detail and might be carried out either by making a charge for the rent of the station, or by licensing nets of a certain mesh, or by levying a tax

on produce, or in any other way the Department may see fit.

All the salmon were sold fresh for home consumption, excepting a few boxes canned as an experiment at the new lobster factory of Shaw & Rolffe, Americans,

near the mouth of St. Peter's Bay.

Complaint is made that salmon will not come in through the waters tinctured with the offal of lobster traps. As all the salmonide love the purest water, there may be truth in this as a general assertion, but as a set-off, the Wardens of the three reserved rivers which debouche on the north coast report no perceptible diminution in the number coming up. Moreover, there are as yet few lobster stages near the localities where the salmon have been taken, so that the complaint has little immediate weight.

No correct record of the size of the individual fish taken could be obtained, but the average weight may be safely set down at ten pounds, which would show about

815 fish, and would form a basis for regulating the industry.

THE HATCHERY.

Last fall, 1879, the new Salmon Breeding Establishment at Dunk River was opened under the personal direction of Mr. Samuel Wilmot, Superintendent of Fish Culture, in accordance with whose plans the buildings and necessary works were erected and regulations made. The runnels were stocked with 600,000 eggs of the salmo salar, part obtained in the Dunk River and part imported from Nova Scotia,

the number laid down being the full capacity of the house with one tier of travs. The hatching was accomplished with success. In the spring of this year, Mr. John Mowat, the officer in charge, being called to the mainland, I, in accordance with the wishes of Mr. Wilmot, accompanied the then caretaker, Mr. Henry Clark, in his distributing the fry. Eighty thousand, apparently in a high state of vigor, were placed without accident in the forks of the Morell River, King's County, and a like number in the upper waters of Trout River, lot number ten, Prince County, in which last named stream some of them are said to have been since observed on the shallows The remainder of the clutch was turned into Dunk River when the water was low. above the hatchway dam and likewise successfully.

I have made frequent official visits to the Dunk River, and have observed that the establishment is kept in good order by Mr. Clark, who has since been appointed overseer. Heavy freshets last fall and this spring of 1880 tested the strength of the dam and sluices but did no damage to speak of. As the summer has been unusually dry there is a chance of their being still further tested by freshets this fall. The hatcher excites considerable interest and has been much visited by the public.

The waters have been so low that many mills throughout the island have stopped running, more or less, and anxiety was felt by the officer in charge and myself that the fish, of which not so many were seen in the river as could be wished, would be unable to reach the hatchery, but would spawn on the gravely shallows near the sea. This has been the case to some extent. The fact is, it is now that the past shameful destruction of fish in the Dunk River is felt. See official reports of the Overseer who was my predecessor in Prince County, for 1876-7-8, wherein it is stated, and truly, that an organized gang of poachers, armed and disguised, habitually harrassed the river and defied the Wardens. Some of these identical poachers have since confessed that their share of the plunder has been from fifty to two hundred salmon in a single night. It gives the other officers and myself pleasure to be able to state that this gang, finding its occupation gone, has voluntarily broken up. Two or three individuals who belonged to it are still in suspicion and are held under surveillance. Two boats, one of which was supplied by the Department, have been useful in enabling the Wardens to perform their duties. Wardens Burns and McBride 2re commended for their zeal.

An observation made by Overseer Clark and myself by torchlight, on the night of November 2nd, showed about a hundred salmon within a mile of the hatchery, the water being very low. The fish were of small size, which is but the natural result of the destruction in previous years. Some of these had evidently spawned, for the gravel beds were a good deal ploughed up. Slabs and other sunken obstructions prevented a not being used. As the supply in the Dunk this sea on seems to be about one hundred salmon, and over two hundred are required to fill one tier of the trays, the Department was notified to that effect and certain suggestions were made. Prompt orders were received from your Honor in reply, the basis of which was that a full supply was to be obtained from the Winter River or other island streams.

the date of writing this report these instructions are being carried out.

The Dunk River itself being under my supervision, I request authority for two requirements apart from any other improvements that Superintendent Wilmot may desire. The bed of the river is in places so full of spikes of branches and other rubbish that a net cannot be drawn, consequently the hatchery officers can only wait in patience until the fish come into the trap of their own accord. These obstructions ought to be removed. Secondly, immediately above the bridge near the site of an old mill dam, and some distance below the hatchery, gravel beds have been formed that are very attractive to spawning fish. It is at this place the fish mostly remain when the water is low and there they spawn. A remedy would be to cover these gravel beds with clay and re-open a channel through the old mill dam, in which changed condition of the stream there would be no inducement for fish to linger but to push on into the hatchery trap. Neither of these improvements need cost a large sum.

Applications have been received from several quarters praying that salmon fry may be put into the streams of the localities.

RESERVED AND OTHER RIVERS.

There is nothing special to report in regard to the reserved rivers Morell, Midgell and Winter. The Wardens who were appointed in spring have settled to their work and keep a fair supervision over the streams. There seems to have been a marked diminution of poaching although it cannot be said to be quite extinguished. Warden Dingwell, at the mouth of the Morell, says he is "keeping a close watch on the river, but as far as can be discovered the salmon are not molested." The other Wardens Duffy, McCullough, O'Brien and Mitchell, on the Morell and Midgell, make similar statements. Warden German, Winter River, writes that, "Salmon are now in the bay waiting for a freshet; they mostly come up about the first week in November. A few clean fish were in the river in summer, as well as large numbers of frv. There has been no case of poaching since the prosecution of James Clow." The Wardens of the reserved rivers are much in want of boats; also, considering the small sum it would cost, they should be authorized to remove the old net and timber stakes that bristle everywhere in the streams.

The Marie River, King's County, is a fine stream with a course of but a few miles, and suitable for the reception of salmon fry. Lying midway between the Morell (query morelle, nightshade?) and the Midgell, about a mile and a half from each, persons going to fish in the Marie are tempted to try their luck in these two reserved rivers. It is to be con-idered whether the Marie ought not also to be reserved. Indeed, I would strongly recommend that all streams in which salmon fry are placed should be reserved. Pot hunters might at first grumble, but as it is doubtless intended eventually to lease the streams there no true angler or good Canadian but would be submissive to a measure intended solely for the public benefit, for when the smolts are over a year old and leap at the fly, inexperienced anglers cannot readily distinguish between trout and salmon, and sometimes would not if they could. Such persons would be apt to basket all that came to hand, without a thought to the future salmon fishery. very liberal system of granting free angling passes, now in use, if extended to all streams should be sufficient to satisfy every true sportsman. In rivers not reserved a fair share of young salmon has been observed. At Bonshaw, Queen's County, Warden Mathieson calls the appearance of fry good. A few adults were seen as early as the 15th of October in the river flowing into the New London Bay. Warden Murphy confirms that there was a moderately good supply of fry observable in these streams. Some few grown fish were observed in the rivers of Prince County.

Several nets have been seized in different streams and destroyed. Offenders. being generally neighbors of the Warden, watch his movements, and it is rarely that the owner of an illegal net can be detected in the act of handling it. When nets seized are put up at auction there are usually no bidders excepting the person suspected, or ais friend, who buys it for a trifle with the intention of using it again on the first apportunity. It is therefore found better to cause it to be destroyed by authority of a warrant from me as J. P. under Section 16, sub-Section 4 of the Act. Illegal fishers of oysters are in most instances the poorest of the community, frequently boys who are cunning enough to borrow a boat without the owner's permission, knowing that it will be reclaimed. In such cases, where there are no effects to pay a fine, the offenders have been mulcted in the costs and let go. This has generally served as an example, for I have been unwilling to involve the Government in the expense of sending persons to gaol in any of the cases that have yet occurred, when a lesser punishment would have sufficient effect. Two boats confiscated and sold for having oysters on board in the close season were bought in for use of the Warden and Inspector, and a third was sold to cover expenses. An ex-Warden was convicted of fishing in a reserved river, with fine or imprisonment, but the fine was remitted, verbally, by the Minister on condition of the payment of costs of prosecution. A saw miller was fined for casting sawdust into the stream and has appealed on points of law. In addition to these a number of lesser offenders have been warned and put under promise of amendment. The expense of protecting the rivers, although much visible result must be the work of years, is, I think, well worth the cost. The fishery service will have attained its highest state of efficiency when it can be conscientiously reported that "there is nothing to report," but as long as the least intelligent of the community continue to hold the opinion that any person on the plea of being a "poor man" has a right to stenl from the public water farms for his own individual benefit, so long must public money be spent in the fishery service.

As the result of personal inquiry into the circumstances of a good many persons known or suspected to have hitherto made a business of poaching, I have found that rarely, if ever, does the privilege of poverty they claim arise from the impossibility of obtaining honest and legitimate work, and not in any case has that poverty been

ameliorated by the idle and precarious pursuit of plundering the streams.

VARIOUS FISH.

A close season is wanted for bass. An extension to this Province of the regulations that obtain in Nova Scotia under Order in Council, of date 28th April, 1875, would answer the purpose. This sportsman's fish is now found in but a few places of the island, where it is ruthlessly slaughtered by net and spear, but not often taken by hook and line. Referring to last year's Report, page 269, I beg to renew the suggestion that a small appropriation is required to tow out and boom a mass of drift logs at Costain's Creek, Miminigash, Prince County, beneath which, at the falling of the tides, some hundreds are annually crushed to death. As that is the place most frequented by bass, the destruction is the more lamentable.

Eels of the first quality are abundantly taken in moveable traps of wire and lath in King's County, but elsewhere are speared through the ice for home consumption. No systematic attempt is made to send them to market. The hint may be worth something that smoked eels are considered a delicacy by the German residents of

New York. Pickled eels are quoted high in the Gloucester market.

Clams are found in plenty between high and low water mark in the sandy margin of almost every estuary. Formerly they were much used for mackerel bait, but are now almost entirely superseded by chopped herring. Four cents per quart, shelled, was about the store rate given to the Acadian French, who made a business of collecting them. At this price it is a question for commercial men to estimate whether it would pay to can them for the market of New England, where these bivalves seem to be a kind of institution. At all events none are canned here, although I observe they appear among the preserved products of the United States Fisheries, and samples were sent to the Berlin Exposition.

The manufacture of "finnan haddies" (haddock) has not yet been attempted

here.

Smelts, abundant in every brook, are only made use of for home consumption. It seems noticeable that while the canning factories preserve most kinds of fish, flesh and towl, this valuable little fish, so well suited for a condiment, should be passed over. A trial would probably show that smelts may be prepared to resemble sardines more closely than do the fry of herrings that are used for that purpose at Eastport, Maine, and elsewhere.

At the Berlin and St. John, N.B., Expositions premiums were taken for sardines prepared in oil, in vinegar, in mustard and in spice, and it may be worth while for some enterprising canner to try similar preparations of smelts. A close season is scarcely required as yet. Two instances of seining smelts for manure in Queen's

County came to light, and steps were taken in regard to the offence.

Halibut fishing scarcely figures in this report. Eighteen hundred pounds were taken as may be said as accident. The halibut fishery requires, for its full development, an equipment that none of our fishermen possess. The Americans who came into Canadian waters expressly equipped for halibut fishing set about 290,000 yards, or ten miles, of ground lines twice a day, with hooks six feet apart, in two to three hundred fathoms of water, and the result is lucrative. It is obvious that such a

fishery cannot be prosecuted from the shore. Ships are required, not boats. And it must not be forgotten that the Prince Edward Island fisheries, which produced, this year, over one and three-quarter millions of dollars, is a boat fishery only. The full expansion of the fisheries of this Province is an affair of the future.

FISHWAYS.

Six fishways are ordered, namely, one in Prince County, two in Queen's, and three in King's. Others will be suggested as circumstances may demand. Our rivers, having no background of hills, run but short courses, and are dependent for their floods solely on the rain fall of a local country nearly denuded of wood. Consequently the supply of power is so scant that few mills have any water to spare from their full sawing at the time fish seek to ascend to the head waters to spawn. Add to this that most of the mills are of but limited value, and that the oldest of them, built in the time when there was no restriction as to site, are usually those that most destructively block the streams. A few hundred dollars would purchase almost any one of them. An expensive fishway would, therefore, be a grievous oppression to the owner of such an establishment, who runs, perhaps, no more than one or two up and down saws. The excellent but expensive ladders in use in the older Provinces, as well as in New England, Virginia and elsewhere, are totally inapplicable to the small streams we, by courtesy, call "rivers." Mr. W. H. Rogers, Inspector of Fisheries for Nova Scotia, has been good enough to bring to my attention a fishway recently patented by him, in which the ladder-way is constructed in the body of the dam. Admitting the correctness of the theory of the Rogers ladder, its cost, in most cases, would bear a large proportion to the total value of the mill, and the water required would have the effect of crippling the business at the very season when the millers require to do the bulk of their work. Under these circumstances I have adopted, by permission of the Department, a fish-ladder of my own invention, specially designed for use on small streams, and which will economize the flow of water, and can be constructed at moderate cost, without the necessity of specially skilled labor. This ladder partly gets rid of eddies and embraces the principle of a succession of resting pools. Its practical working shall be duly reported to the Department.

Next to the persistent purchase by the public of oysters in the close season, the casting of sawdust and mill-rubbish into the streams is the most exasperating matter the fishery officers have to deal with. A good deal has been done this year in checking the practice, but much more remains to be done. Few of even the largest mills have a permanent staff attached to them, but are run by any casual labor that offers. Consequently there is a perpetual succession of irresponsible persons to deal with. Even when the owner of the establishment is willing to act in conformity with the law, his men find it easier to get rid of the rubbish by sending it down the stream than to obey his orders by wheeling it away. It is true the law makes the servants liable; but such persons have no means to pay a fine, and with the vision of a gaol before them would certainly disappear between the dates of summons and trial,—to be succeeded by others equally irresponsible. Many of the mill-owners have been communicated with, and a considerable number seem honestly endeavoring to meet the requirements of the law. In one case evidence was found against the proprietor, who was fined accordingly. To wipe out this most objectionable practice of defiling the streams will require perseverance, patience, and, above all, time. I have given attention to measures of repression rather than of punishment, as being the more

effectual.

Much hostility is exhibited against the introduction of fishways, but it is hoped that when the millers see how little they really do lose by obeying the law they will make up their minds to submit to what is absolutely necessary in the present state of the streams, and when the public mind is somewhat quieted the right of highway to the fish seeking their spawning grounds will be generally recognized.

THE WARDENS.

Since I have had the honor to act for the Department in this fishery division, it has been my aim to keep down the expenses of the service. The time has now come when an increased expenditure would be beneficial to the public interests. Such

augmented expenditure need not be large.

The present uniform salary of the Fishery Wardens in Prince Edward Island, \$30 per annum, was probably founded on the £5 annual pay of the water bailiffs prior to Confederation. Taking into account the very economical scale on which local office was then held, that remuneration was, perhaps, enough for the services rendered. Things are, however, changed. The Wardens have now considerable work to do, and are expected to do it. Their respective duties are by no means uniform either in quantity or quality. Of the total number of forty Wardens, twenty look after the streams, and twenty have to do with the fisheries of the sea. In a few cases where the river Warden can supervise a limited stretch of stream by looking from his own door step, \$20 pay is enough. In other cases where, besides the streams, oyster beds in the estuaries have to be watched, \$30 or \$35 to \$40 might fairly be claimed. In yet other cases where the duties of the Warden lie along a coast with, during the season, a temporary fishing village, including one or more lobster factories, and, likely enough, a stream infested by sawdust running into the bay, \$50 per annum is not by any means too high a recompense for the attention required. However, self-sacrificing a Warden may be it is too much to expect him to give a large portion of his time for the remuneration he now receives. I would, therefore, suggest a gradation of the Wardens' salaries according to a record I have kept of the work performed by each during the past year.

The increase of lobster factories has upset all previous calculations. Where there were only thirty-two factories last year it is expected one hundred and five will be in operation next spring. It is obvious that a number of new Wardens will be wanted. Besides those specially required in the factory districts it is desirable that one be appointed for Brudenel and Cardigan Rivers, and one for Richmond Bay, both important points. And I would pray for, and lay great stress on the necessity of, the appointment of one Special Warden at the maximum scale of remuneration, for private service without any district assigned. This would make the fishery staff as

nearly complete as may be.

It is due to the present Wardens to say that, with one or two exceptions, they have seemed desirous to work faithfully and zealously, and I have no complaint to make of the manner in which they have carried out instructions.

CONCLUSION.

I have thus endeavored to lay before Your Honor the main features of the fisheries of this Province as they at present stand, and think there is nothing further to add, excepting that the visit of H.M.S. "Blanche" to the Gulf was received with acceptance, and made our loyal fishermen feel that they too are worth looking after as subjects of a great empire. Which leads me to say that, were the commander of the Canadian Fishery Cruiser directed to pay an annual visit to this island, it would strengthen the hands of the fishery officers, morally and actually.

All of which is respectfully submitted.

I have the honor to be, Sir,

Your most obedient servant,

T. HUNTER-DUVAR,

Inspector of Fisheries, P.E.I.

ERRATA.

In last year's Report, page 259, fourth line, read "swirl;" page 262, twenty-sixth line, dele "not;" page 270, thirtieth line, for "seed" read "food;" page 271, read "mackerel, 70,085; herring, 24,079; cod, 35,459."

RECAPITULATION of the yield of the Fisheries of Prince Edward Island during the Year 1850.

Kinds of Fish.	Quantities.	Value.
		\$ cts
lmon, fresh Lbs	. 7,550	453 00
do canned		238 00
ackerelBbls		660,560 00
do canned Can		696 00
erring Bbls		72,080 00
lewives do	1,724	5,172 00
od Cwt	28,045	112,180 00
od and Hake Sounds Lbs	. 12,500	7,500 00
ake Cwt	8,213	24,639 00
addock Lbs	90,600	2,718 00
alibut do	1,80	108 00
ıss do	2,000	120 00
rout do	10,110	60 6 60
nelt do	37,700	2,262 00
els do	25,630	1,540 80
ysters Bbls		60 891 00
obsters, canned Lbs	3,551,050	710,210 00
sh OilGall	s 12,099	6,049 50
sh Guano Ton	400	6,000 00
sh Manure Bbl	s. 2,030	1,015 00
Total value of the products of P. E. Island fisheries for 1880		1,675,088 90
do do do 1879		1,402,301 40

RETURN showing the Number, Tonnage, and Value of Vessels and Boats and Quantities of Fish, and the Total Number of Men employed,

	V	ESSI			ATS HING.	Emplo	YED		Fisht		•						
Distric t.		Ve	ssels.			Boats.		Ne	ts.	Weira	-	els	ı, ibs	ked, lbs.	cans,	rrels.	cans.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	No.	/ Value.	Salmon, barrels	Salmon, fresh, lbs	Salmon, Smoked,	Salmon, in callba.	Mackerel, barrels.	Mackerel, in cans.
King's.			\$			\$			\$		\$						
Savage Harbor to St. Peter's. To Ore, Lot 42 Line Naufrage to Lot 46 Lots 46 and 47, including North	1	15	3 .0	 4 	12 42 63		36 123 140	500 15 1000	10				4100			350 1364 2500	
LakeLittle Harbor to Scranton					80	1800	250	2400			!						2400
Point To Rollo Bay, inc uding Souris Rollo, Fortune and Howe Pays	 	415	13000	35 	40 88 27	1000 1760 455	100 124 76	1476	820		ļ				1440		
Cardigan Bay, including Georgetown		60			20		50		200								
Rivers Montague. Morell, Midgell, Marie, and others	8	782	8000	60	20	5000	80	2400	1200							500	
Total	19	775	22800	113	392	13315	879	9156	3496	<u> </u>	-	-	7100	-	1440	15489	2400

engaged in the Fisheries; Quantity and Value of Fishing Material; Kinds &c., in the Province of Prince Edward Island, for the Year 1880.

			Kin	DS OI	F	19 H .									•		Fish coduc	rs.	•	
Herrings, barrels.	Herrings, Smoked, in boxes	Alewives, barrels.	Cod, cwt.	Cod, Tongues and Sounds.	Pollock, cwt.	Hake, cwt	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, Ibs.	Trout, lbs.	Smelt, lbs.	Eels, 1bs.	Oysters, barrels.	Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as manure, barrels.	Value	l.
	-				_									_						_
100 29 0		250 39	50 190 40				2000						4000		210000			800	45,000 13,818 21,617	00
1200		800	2500			800					3200		2000		102000	1500			63,702	00
100 785 96			1500 7500			1000 1325 35	10000				200		600	١	200000 286320	2000			26,800 89,303 93,225	00
450			400	500		6 00					100	900	1200		221250		400		58, 282	00
500			3000	500 9		3500	50000				500	500	4000		857300	3000		20	206,270	00
•••••				 							1500	1500		•••					180	00
3521		1089	15180	8000	- 	7260	62000				5500	3100	11800		1876870	7624	400	820	618,197	00

RETURN showing the Number, Tonnage and Value of Vessels and Boats-

	v	es se			DATS SHIN	з Емрьс	YED	D	Fish:								
District.		Ve	essels			Boats		Net	s.	Sei	nes.	els.	, lbs.	sed, lbs.	ans, 1bs.	rels.	cans.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	Fathoms.	Value.	Salmon, barrels.	Salmon, fresh, lbs.	Salmon, smol	Salmon, in cans,	Mackerel, barrels	Mackerel, in
Queen's.			\$			\$			\$		\$					-	
New London					45 13	4500 450	180 52	9 00		100	106					6000 139	
New Glasgow district, in- cluding Rustico	7	320	11800		104 22	10200 500	45 4	10000 1000								20000 4500	
To Head of Wheatley Covehead To Tracadie Harbor					12 12	250 250	36 36	800 1000	400		•••••						• • • •
Tracadie	١				22	600		900	400	110	100					1900	
N. Line King's County, S. Line,					35	900		875					100	,		1750	1
to Point Prim Hillsborough Bay to Prince Co. S E. Line	•••			•••	18	400	40	60 0	20 0		•••••	•••				30 186	
Rivers Orwell, Vernon, Hilsborough, N.E. and W. Trout, Winter and		••••	••••••		••••	• • • • • • • • • • • • • • • • • • • •		•••••	•••••	••••		•••				100	
others	 			<u> </u>			<u></u>		<u></u>	<u> </u>		 	<u></u>		<u> </u>		
Total	7	320	11800	30	383	18050	1096	16075	4600	210	200		100			37751	••••

engaged in the Fisheries, &c.-Prince Edward Island-Continued.

]	XIN	DS OF	Fish.									Fis	II CTS.		
Herrings, barrels.	Herrings, smoked, in boxes	Alewives, barrels.	Cod, cwt.	Cod Tongues and Sounds	Pollock, cwt	Hake, cwt.	Haddock, lbs.	Halibut, lbs.	Shad, barrels.	Bass, Ibs.	Trout, lbs.	Smelt, lbs.	Eels, lbs.	Oysters, barrels.	Lobsters, cans.	Fish Oil, gallons.	Fish Guano, tons.	Fish used as manure, barrels.	VALUE	
																			\$ 0	cts.
1000		200	50						 	 	800	600	800		116000				75,200 12,060	00
4000 200 750 570			10000 500 50 50 75	50			5000 10000	800			40 100 200	600 500	1000 3000 1500		15168 24000	550 30 3.5			219,506 38,398 7,415 12,786 22,759	40 00 00
600			6 0	50					ļ		50					30			16,694	00
97 120			80 50	50		53 	2100				200	800	2 00		436108 950 0 0				88,527 21,120	
•••••		290									1500	19000	420 0	1730					7,542	00
7337		490	10865	150		5 3	17100	800			2890	21500	10700	1730	686276	713			522,009	10

RETURN showing the Number, Tonnage and Value of Vessels and Boats

	VESSELS AND BOATS EMPLOYED IN PISHING.						/I-	Fısh	ng l	IATEI	RIAL							
District.		V e	s s els.			Boats.		Ne	ts.	Seir	ies		Fresh, lbs.	Smoked, lbs	cans, lbs.	ě	cans.	
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	Fathoms.	Value.	Fathoms.	Value.	Salmon, brls	Salmon, Fres	Salmon, Smol	Salmon, in ce	Mackerel, brls.	Mackerel, in	Herrings, brls.
Prince.			\$			\$			\$					_				
Cascumpec Bay To Lot 12 Lot 12 to Lot 14 Kildare to North Cape To Skinner's Pond To Black Pond Big Miminigash Little Miminigash Campbellton To West Point Egmont Bay To Queens County Richmond Bay Rivers—Trout, Lot 10, Lot 13, Tryon, En-		24	600	8	30 50 18 100 165 100 20 20 19 12 	3600 800 700 6000 5560 2500 2400 805 800 600 480	410 300	242 500 1500 1468 2000 1000 500 500 500	140 250 450 700	700	700			 		4200 4000 1050 1120	1200 3360	200
Total	<u> </u>		1800	_	608	24990	1787	9495	4260	1900	1900	 	350			29330	4560	7162

engaged in the Fisheries, &c .- Prince Edward Island-Continued.

		Kind	S OF	Fı	SH.										I Pro	Pisi			
Herrings, Smoked, in boxes.	Alewives, brls.	Cod, cwt.	Cod Tongues and Sounds, Ibs.	Pollock, cwt.	Hake, cwt.	Haddock, lbs.	Halibut, Ibs,	shad, bris.	Bass, 1bs.	Trout, lbs.	Smelt, lbs.	Kels, lbs.	Oysters, barrels.	Lobsters, cans.	Fish Oil, galls.	Fish Guano, tons.	Fish used as manure, brls.	VALUE	•
						·												\$	cts
•••••			2500											220 400			30 0	77,280	
•••••					35								1450	•••••				12,181	
•••••	100	500		•••	200	10000	1000					1000	2000					10,080	00
•••••	•••••	235	720		95	10000	1000	•••	•••••					150960				97,723	
•••••	•••••	433	120		93		•••••				• • • • • • • • • • • • • • • • • • • •	•••••	•••••	185544	190	• • •	900	104,278	
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•••••	25									200	1000	100		20000			ii	7,343	
•••••				•••														400	00
•••••		200	159	•••	40	1500								50000				14,445	
•••••				•••		·········							15000	16800		•••		48,360	00
·····	20									500	2000	2000	7					351	00
•••••	145	2000	4350		900	11500	1000		2000	1720	13100	3180	18567	987904	3762		1210	534,882	80
							1	1			1 -0.00	0100	1000.	00.003	10.02	1	1220	001,002	••

Material, Kinds and Quantities of Fish, and the Total Number of Men employed, &c., in the Frevince of Prince Edward Island, for the Year 1880.	VESSELS AND BOATS EMPLOYED IN FISHING. FIGHING MATERIAL.	ked, sans, rels.	lbs.	3 392 13315 979 9156 2296 383 100 1440 15489 2400 3521 4 608 24890 1789 9156 4260 210 20 100 37751 7337 3 1826 1789 9195 4260 1900 350 350 7162	7 1383 56355 3864 31726 11156 2110 2100 7550 1440 82570 6960 18020	Kinds of Fish. Products.	Hake, cwt. Haddock, Ibs. Halibut, Ibs. Shad, barrels. Trout, Ibs. Rels, Ibs. Oysters, barrels. Lobsters, cans. Fish Oil, gallons. Fish used as Marnels.	7233 6 2000 8 200 10 2890 21500 11800 <	8213 9C600 1836 2000 10110 3770C 25680 20297 3551050 12099 400 2030 1,675,088 90
yed,	RIAL.	Seines.			L1		Eels, lbs.	1	
omplo	Мате			260 21 260 21 260 190	156 211		Smelt, lbs.	1	
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oer of N				i	·	OF FIS		::	1
ğu	HING		-Men.	}		ND8			
n I	IN FR	Eoats.	Value.			Kı			1800
Tota	PLOYED		.oN	392 383 608	1383				
the	EMI		Men.	30	167				<u> </u>
b, and	ID BOATS	sels.	Value.	\$ 22800 11800 1800	36400		Cod Tongues and Eounds, lbs. Pollock, cwt.	8000 150 4350	12500
of Fis.	SELS AN	Vessels.	Топпаке.	775 320 72	1167		Cod, ewt	15180 10865 2000	28045
ties .	VES		.oN	15 67 6	32	1	Alewives, barrels.	1089 490 145	1724
Material, Kinds and Quantii Island, for the Year 1880.			GOUNTIES.	King's Queen's Prince	Total		Counties.	King s Queen's Prince.	Total

APPENDIX No. 12.

REPORT OF THE INSPECTOR OF FISHERIES FOR BRITISH COLUMBIA FOR THE YEAR 1880.

VICTORIA, B.C., 5th January, 1881.

The Honorable J. C. Pops,
Minister of Marine and Fisheries,
Ottawa.

Sir,-I have the honor to transmit herewith, Return-Statement and other docu-

ments relating to the fisheries in this Province for the past year.

2. It will be perceived that, from all sources, there is a considerable increase upon the proceeds of the preceding season; partly tributary to which have been the enhanced value and augmented yield of the Fur seal fishery. In the article of canned salmon, which may at present be regarded as the staple industry of the provincial fishing interest, the increase has not been material—an excess of 756 cases only (4 dozen each) being shown. Briefly, the operations on the Fraser were less successful than last year owing to a short run of salmon, while the increased amount put up at the northern canneries more than compensated the deficiency to the extent noted.

3. Overseer Pittendreigh reports that on the whole the provisions of the Fisheries Act, as modified to suit the circumstances of this Province, have been well observed in his district. Several fines of small amount were found necessary for partial infractions of the law. Of these a statement is forwarded—incomplete at present, pending a decision under appeal. During a visit which I made recently to New Westminster, in company with the Deputy Minister, Mr. Smith, some complaint was made before that gentleman of undue strictness in the enforcement of the regulations on the part of the Overseer. On enquiry there appeared to be no valid foundation for this complaint. It is, indeed, obvious that, since certain rules and restrictions for the general welfare of the fishing interests are found necessary and have been authoritatively established, the enforcement or relaxation of such rules is not optional with the officer specially appointed to watch their observance. Else we should revert to that condition of anarchy and obstruction which prevailed some years ago, which justly elicited public complaint, and led to the appointment of a resident Overseer upon the Fraser. At the same time I may mention that Mr. Pittendreigh has, from the beginning, been instructed to exercise the duties of his office with all consistent leniency, and I feel satisfied that, to the best of his judgment, he has done so. I am glad to be able to add that, notwithstanding the large concourse of fishermen of divers nationalities annually assembling along the lower Frasor, a degree of order has been established which is highly creditable to the management of the Overseer. On this subject I subjoin the following extract from Mr. Pittendreigh's report:-

"I had occasion to call the attention of the cannery proprietors to the fact that some fishermen were in the habit of dipping each others nets. I heard of this taking place at Sea Island, and at once visited that part of the river, and only arrived in time to prevent a serious breach of the peace. Otherwise there has been no disputes." At my request Mr. Pittendreigh kept notes of the largest salmon caught in

the Fraser during the past summer. The result is as follows:—*

^{*}The largest sturgeon noted weighed one thousand (1,000) lbs, caught near New Westminster. Its dimensions were twelve feet in length, by six feet in extreme girth. This is of the variety classed by Dr. Richardson as Acipenser transmontanus, and differs widely from that frequenting the waters of Lake Winnipeg, which is A. Sturio. The abundant roe of this fish, like that of the Russian beluga," is specially fit for the manufacture of caviare.

By an Indian, one of 76 lbs. weight. Findlay, Durham & Co., one of 60 lbs. weight.

Haig & Sons, one of 52½ lbs. weight. Mr. Herring, one of 52 lbs. weight.

These, it is needless to say, were far beyond the average size, and the capture of such exceptional fish is of rare occurrence. While on this subject I may add that one of 73 lbs. weight was reported as having been caught in the Skeena River during

the past season, also far in excess of the average in that locality.

4. Since the first settlement on the upper waters of Fraser River by the North West Company, in 1806, and from its occupation after the coalition with that Association of the Hudson Bay Company, in 1821, up to the present time, the periodical scarcity of salmon in this stream, alternated with periods of enormous abundance, has been constantly noted. It is hard to conjecture the causes which influence this mysterious alternation. So far as observation has gone we are justified in concluding that the periodical recurrences are in cycles of four years. Under this rule—if indeed it be a rule—a heavy run may be anticipated for the coming season, and that immediately succeeding, since the cycles dating from 1877 and 1878, years of great abundance, will be then completed. Correspondingly, the two succeeding seasons will probably show a comparative deficiency. I have more than once, in previousreports, adverted to the fact that the salmon resorting to the larger rivers on this coast do not, as elsewhere, return to the sea after spawning, but die, exhausted, in the upper waters. The admission of this fact—at no time fairly disputable, and now recognized by high scientific authorities from Washington, who have visited this coast -will probably afford a clue to trace the causes of the apparent anomaly of supply. The number of young fish descending to the sea in each succeeding summer, to reascend after attaining maturity, would necessarily depend greatly on the number of fish which reached the spawning beds during the preceding autumn. The obvious inference under all the circumstances of this hypothesis will be, that a period of four years is necessary for the salmon to reach maturity before they finally ascend to spawn.

5. The Skeena River, which as you are doubtless aware, discharges at a point some five hundred miles north of the Fraser, is not subject, or at least not in the same degree, to the vicissitudes which characterize the latter mentioned stream. Though comparatively a small river, the supply of salmon in the Skeena is both copious and regular. There are two canning stations at the mouth of this river, which this year have put up 19,694 cases of salmon; an increase, as compared with last year, of 9,091 cases, owing not to the augmented supply of fish, but to more effective arrange-

ments.

6. Upon the Nass River, discharging close to the Alaska boundary, no canning operations have yet been undertaken. About one thousand barrels of salted salmon were packed, in addition to a quantity of Oolahans and Oolahan oil. The improvements of the fishing grounds on this river provided for by the Department have been partially effected, and will be completed, under the supervision of the Agent of the

Department of Public Works, in the early spring.

7. There are other rivers discharging at various points along the enormous coast line of the Province, which doubtless present great encouragement for the future establishment of canning stations. Under sanction of the Department, communicated to me in March last, I had hoped to be able to visit and report upon some of these, during a tour of inspection by the Superintendent of Indian Affairs, whom I was authorized to accompany on board of H.M.S. "Rocket." Various causes conspired to prevent Superintendent Powell from earrying out his plans in the early part of the season; and the project was deferred from time to time for divers reasons until it was too late in the year to undertake the tour to effective purpose. Hence I was disappointed of the expected opportunity. Col. Powell, however, informs me that he is making arrangements to set out early in the approaching spring, and I purpose to avail myself of the facilities thus afforded to note much useful information not otherwise easily obtainable.

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8. In addition to the permanent stations already established along the coast, a project, I am informed, is now under contemplation by an association in Victoria to carry on operations by means of a moveable establishment. The plan, so far as explained to me, is that large seews are to be employed, on board of which the various curing processes are to be carried on. In conjunction with these a steam tow-boat is to be employed, with the aid of which the most advantageous points of operation can from time to time be reached. What the practical success of this novel undertaking, if carried into effect, may be, it would be rash to anticipate; but it may at least be said that, as shown in my last year's report, the peculiar conformation of the provincial coast line presents every facility for locomotion.

9. The oil station of the Skidegate Company, referred to by me last year as having been then recently established on Queen Charlotte Island, has been moderately successful and is apparently remunerative. The oil prepared by this company being of perfect clearness and well refined, is in demand both as a lubricator and for lighting purposes. Of the crude dog-fish oil, prepared on a small scale at various points by the numerous white and native fishermen, large quantities are consumed locally.

and especially at the logging-camps.

At these last the employment of oil to lubricate the ways is indispensable, in order to enable the teams to drag the gigantic timber to the water for rafting.

Beyond the local demand the surplus is shipped to London.

10. In paragraph 2 of this report I adverted casually to the fur-seal trade of this coast; a branch of industry which is constantly acquiring increased importance, and merits fostering care. Failing the means of obtaining an absolutely correct return, the yield of the past season, as given by me, is to be regarded only as an approximation, and is, I have reason to believe, short of the true number. In addition to these upwards of six thousand skins were obtained by schooners from Neah Bay on the Washington Territory side of the Fuca Strait. In all, upwards of twenty thousand skins have probably been procured in the immediate neighborhood of Vancouver Island during the past season. As high as fourteen dellars per skin was paid in Victoria for some of these, and the average price appears to have been about twelve dollars; it is questionable, however, whether, under greatly augmented supply, these high values will continue unimpaired. On the subject of the fur-seal fishery I had the honor to address the Department on the 23rd August and 19th November last, suggesting the adoption of certain measures for the future regulation of the traffic. To the substance of these suggestions I respectfully direct your attention.

11. The banks resorted to by the fur-seals extend along the west coast of Vancouver Island at a varying distance, and with irregular soundings, both so far not accurately determined. For the following approximate description I am indebted to Captain Devereux, commanding the Dominion Steamer "Sir James Douglas," being

the result, chiefly, of his own transient observations:-

"In latitude 48° 10' N., and longitude 125° 35' W., thirty-five miles south-west of Cape Flattery, soundings can be obtained on the bank at from 80 to 90 fathoms (sand, gravel, &c.) shoaling to the eastward to 60 fathoms, and again deepening to 140 and 100 fathoms ten miles off shore at the Cape. This deep-water channel rounds the Cape and continues its course in the middle of the Strait up to Race Rocks. From Port San Juan westward to Cape Beale the soundings vary from 18 fathoms along shore to 30, 40 and 50 fathoms ten or twelve miles off the land.

"South of Cape Beale the soundings extend to a distance of forty miles, varying from 16 to 90 fathoms (sand, gravel, stones and mud), and west of the Cape there is an immense bank extending to a distance of fifty-six miles, with much the same character of bottom (and quite likely many shallower patches known to the Indians where they fish for halibut, as it is rumored there is a bank with only 13 fathoms of water upon it). Along the edge of this bank the Barclay Sound Indians catch the

fur-seal in the early part of the summer.

"Off Clayoquot and Nootka Sound the bank trends a little more northward, and is but twenty-five miles off shore at these points; and from thence to the N.W. triangle, Cape Scott Islands, along the west shore of Vancouver Island, the soundings

extend from five to ten miles off shore, and vary from 20 to 80 fathoms in depth,

bearing the character of good fishing grounds.

"On the north end of the island the soundings vary from 12 to 30 fathoms, ten miles off shore. Thence through Queen Charlotte Sound from 30 to 90 fathoms; and all through Hecate Strait, from Queen Charlotte Island to the mainland, soundings can be had from 100 down to 8 fathoms.

"But I believe the extent and character of these banks are not sufficiently known.

In fact they have not been thoroughly surveyed—only in a navigating point of view."

For the more ready apprehension of the above description, kindly furnished to me by Captain Devereux, I append a tracing, applicable to the official map of the Province, upon which I have delineated, approximately, the assigned position of these valuable banks.

12. A good deal of uncertainty attends the question of the habits of the fur-seals caught in these southern latitudes, and their probable identity with, or difference from, the schools resorting annually to the northern islets of Alaska at the period of copulation. One fact appears to be well established, namely, that the young of these seals are born at sea, leaving it to be inferred that the animals resort annually to the land solely for procreative purposes. Upon this point I quote from a letter of Mr. James G. Swan, of the U.S. Fishery Commission in Washington Territory, who, at Neah Bay, has had special opportunity of observation during the past summer, and

to whom I am indebted also for other interesting notes. He says:-

"The fact of pups being born in the water was proved in numerous instances where the female seal was killed and the pup taken alive, often coming alongside the canoe and bleating like a young lamb. Many of these little pups were brought ashore On the 22nd day of May (1880) I called the attention of Professor D. S. Jordan, of the U.S. Fishery Commission, who was here (at Neah Bay) at the time, to a live fur-seal pup in an Indian's lodge, which had been brought ashore the previous day, having been taken outside of Cape Flattery. It was very lively. We also saw eleven female seals on the beach, just landed from one of the schooners, and as the Indians were taking off their skins we noticed that every one had a foetal young one, so far advanced that Professor Jordan gave it as his opinion that it was impossible for the mothers to traverse the distance from Cape Flattery to the Pribloff Islands (Northern Alaska) before every one we examined must have been born. In fact I do not think the fur-seals which visit the entrance to Fuca Strait ever do go to Behring I believe they are in some respects a distinct variety, and in this opinion I am supported by Captain John W. White, of the U.S. Revenue Cutter 'Richard Rush,' who was here about a month since, and who has had much experience and opportuity for observation in Alaska, and particularly at St. Paul's and St. George's Islands."

Mr. Swan, from whom I have quoted above, goes on to point out some apparently specific differences noted by Capt. White; but, while these observations justify a doubt, I question whether under the partial examination which has so far been made, the evidence can be regarded as conclusive, that there is a positive difference of species between the seals frequenting the one locality and the other. The greater darkness of the fur which characterizes the seals killed on the banks lying off Vanconver Island—one of the points of difference noticed by Captain White—may, I think, be accounted for by the difference of condition: these being killed in all their fatness, while on the Alaskan Islands, soon after the arrival there of the "schools," they rapidly deteriorate in condition, the fur losing a portion, at least, of its lustre, and probably undergoing a partial change of hue, as in the case of land animals.

13. Nevertheless, whatever the decision as to identity or difference of species may ultimately be, there seems to exist little room for doubt that, in habits at least, the southern seals are diverse from their Alaskan congeners. Sir George Simpson, formerly Governor of the Hudson's Bay Company (see his "Overland Journey Round the World," cap. 5) states as under: "In the month of May, with something like the regularity of an almanac, the fur seals make their appearance at the Island of St. Paul, one of the Alentian group. Each old male brings a herd of females under his protection, varying in numbers according to his size and strength-sometimes as

many as two hundred. From the date of their arrival in May to that of their departure in October, the whole of them are principally ashore on the beach. whole band departs, no one knows whither." Sir George adds that the young are produced about a fortnight after the arrival of the seals at St. Paul's. The information given by this writer was obtained directly from Governor Etholine, of the Russian American Company, and may be, therefore, regarded as authentic.

14. On the other hand, the period of the seal catch in the southern waters cannot be reconciled with the foregoing statement. The first killed during the past season, according to the notes of Mr. Swan, was on the 18th of January; the last on the 20th June. On leaving the coast the "schools" did not migrate in a northerly direction, having been met in June far to the westward by several vessels, and among the rest by H.M.S. "Rocket" on her way back from the Sandwich Islands. I am indebted to Mr. Henry Colling, Paymaster of the last named ship, for the following memorandum: "A little before noon on the 25th June, when in Lat. 48° 31' N., Long. 127° 6' W., Tatoosh Island bearing S. 85° E., 95 miles distant, we passed three schools of seals, moving apparently in an opposite direction to our course, which was N.E. by E. The first was very numerous, the animals sporting in and out of the water like salmon. This was not the first time we had observed them, for a few were seen a couple of days before (23rd June) nearly 400 miles from Cape Flattery—that is in Lat. 49° 20' N, Long. 134° 30' W. These seals passed to the southward of us about three miles off and appeared to be travelling in a course nearly opposite to our own, which was

easterly.

15. The inference necessarily is that there exists at some undetermined point in the Pacific some islet or islets to which the fur-seals of this coast resort, or as it is technically called "haul out," for procreative purposes. This appears to be the general conviction among those concerned in the business; and I am informed that under this view the Alaska Fur Company have, during the past two seasons, employed two of their vessels to cruise in quest of the so far undiscovered position. I find upon my chart of the Pacific a group of unnamed islets laid down in about Lat. 34° N., and near the 18 th meridian; and, judging from the approximately ascertained line of progress of the migratory schools, I should be disposed to assign these as the probable locality, provided that, questionably, no other islet should intervene of nearer access. In the supposition that some such undiscovered land may exist there is no improbability. Great as the traffic on the Northern Pacific now is, the same general lines of transit are followed by mariners who navigate it, and thus some insignificant group, interposed between the great occan highways, might long escape observation. I may add that some six or seven years ago an island was reported to the Admiralty as lying between 40° 40' and 40° 50' N., and Long. 150° 50' and 151° West, but there has been no confirmation of the statement. The distance from Cape Flattery of this reported island, according to its assigned position, is about 1,380 miles, or some 980 miles beyond the point where the migrating seals were first encountered by the "Rocket," and nearly in the apparent line of their migration. Whether, however, this dubious land really exists or whether, like the renowned "Croker Mountains," it had an existence only in nubibus, remains an open question. I confess that I am disposed to take the affirmative view; and for navigatory reasons alone, if for none other, it seems desirable that the doubt should be authoritatively determined.

16. Putting aside, however, these hydrographical speculations, which for me have possibly an interest which they may not generally convey, I may mention that, apart from the schools migrating westward as shown, and from those resorting to the northern parts of Alaska and there abiding till October, there is a third, and perhaps less numerous, division of these seals apparently less migratory in their This I know from personal observation, having fallen in with several schools while crossing Queen Charlotte Sound, late in August, 1878, on my return from a visit to the northern fisheries. These probably, and I think we may justly conclude, were a detachment from the main body already engaged in their westward migration, composed of seals which had not yet attained maturity, and were, therefore, not impelled by the same procreative impulse as the rest to wander afar. In support of this conclusion I may state, on the authority before referred to, that the female fur-seal does not breed till five years old.

17. The inducement to discover the "hauling out" locality frequented by the schools annually migrating from the banks lying off our coast, is the facility and trivial cost with which the animals can be killed when on land for copulation. This, of course was the incentive to the exertions said to have been made of late by the Alaska Fur Company. That Association already has a lease, with exclusive privileges, of the fur-trade in Alaska, of which the annual seal-catch composes by far the most important item. The mode of operation there is very simple. The seals, after landing, are easily dealt with. The whole process, interesting in many of its details, was well described in a New York publication (Harper's Magazine) some years ago. I here quote the brief description given by Sir George Shippson: "At the proper time the whole are driven like a flock of sheep to the establishment which is about a mile distant from the sea, and there the males of four years, with the exception of a few that are left to keep up the breed, are separated and killed." The weapon employed is, I believe, a long-handled club, and a single blow on the head suffices, it

is said, to extinguish life.

18. In the deep waters, on the other hand, where alone the British Columbian chase is carried on, the process is both hazardous and difficult. It is necessary that I give some description of this, in order that my further remarks on this subject may be apprehended. And here I must premise that it is only with the aid of the Indians of the West coast, expert in the management of canoes and habituated to this chase, that success is at present found to be attainable. These are hired upon shares, receiving one-third, I believe, of the produce of their chase or the equivalent in cash. Small schooners are equipped, on board of which the hunters are received, with their canoes, one of which is required for every two hunters. Lying-to off the banks the canoes, weather permiting, are speedily launched, and the seals, while sleeping on the surface, are cautiously approached. The spear only is employed, the head of which disengages itself from the shaft as soon as the prey is struck. To this barbed head a line is attached. If not killed outright the wounded victim is said to attack its pursuers with much ferocity, but a blow on the head from a club kept constantly in readiness soon terminates the unequal conflict. Of course accidents occasionally occur, and the whole scene is described as being very exciting to those who, from the deck of the attending schooner, watch the progress of the chase. Moderate weather, it is needless to say, is a prime necessity; and from time to time the schooners are compelled by stormy intervals to run ashore for shelter. The number of schooners employed during the past season, belonging to Victoria, was seven; and I am indebted to Captain Spring, one of the principal men engaged in this business, for the following memorandum:

"Favorite"	79	tons.	5	sailors.	40	hunters.
"Onward"	35	"	4	66	30	"
"Thornton"	35	"	4	"	24	"
"Anna Beck "	50	"	5	"	32	"
"Wanderer"	16	"	3	"	16	"
" Alert "	30	"	3	46	32	"
" Winifred."	15	"	3	"	12	"
9	260	"	27	"	186	"

Employing 93 canoes.

The sealing season, as I have before mentioned, commences in January and con-

tinues till the latter part of June.

^{19.} I have gone at some length into this subject of the fur-seal fishery, because, valuable as the business already is, I have reason to believe it will acquire greatly increased importance during the season now closely approaching. To show the dimensions to which it has attained in Alaska, where, as I have already remarked, a rich Association has exclusive privileges under lease from the United States Govern-

ment, I quote from an article published some years ago by Mr. W. H. Dall, a gentleman conversant with the subject; in estimating the annual revenue from Alaska he gives the following figures:

Annual rental of seal fisherics	\$ 55,000	00
Tax on 50,000 skins allowed to be taken by present		
regulations		00
Bonus ($62\frac{1}{2}$ c. each) on skins	31,250	00

The above are given as direct taxes paid by the Alaskan Company in a specified year (1870). The yield in the same year is stated as under:—

Value of seal-skins above taxes	\$318,750	00
Estimated value of sea-otter trade (included in lease of		
seal fisheries)	65,000	00

With other items of profit which it is needless here to enumerate.

20. As noticed in the foregoing extract, the operations of the Alaska Company are restricted to the killing of a certain number of fur-seals (fifty thousand) annually. Else, save that commercial prudence might itself prompt a judicious economy, the race would soon be extirpated in their northern resorts. The same fate would necessarily attend the "schools" now frequenting the southern coasts, should their place of landing, apparently so eagerly sought for, be discovered and laid open for unrestricted slaughter. The following remarks by Sir George Simpson in the work already cited have, on this point, a special bearing. Referring to Alaska, at that time a Russian dependency, he says: "Some twenty or thirty years age there was a most wasteful destruction of the fur-seal, when young and old, male and female, were indiscriminately knocked on the head. This imprudence, as any one might have expected, proved detrimental in two ways. The race was almost extirpated, and the market was glutted to such a degree, at the rate, for some time, of two hundred thousand skins a year, that the prices did not even pay the expenses of carriage. The Russians, however, have now adopted nearly the same plan which the Hudson's Bay Company pursues in recruiting any of its exhausted districts, killing only a limited number of such males as have attained their full growth, a plan peculiarly applicable to the fur-seal, inasmuch as its habits render the system of husbanding as Under the preeasy and certain as that of destroying it. sent system the fur-seals are increasing rapidly. Previously to its introduction the annual hunts had dwindled down to three or four thousand. They have now (1841) gradually got up thrice that amount; and they are likely soon to equal the full demand, not exceeding thirty thousand skins, of the Russian market."

21. It is then obvious that, in the event of the discovery of the sought for breeding resort of the southern seals, and by whomsoever that discovery may be made, a

similar restrictive policy will be necessary to perpetuate race in these waters.

22. By what has been said before in this report it is evident that in the method adopted for the capture of these animals in the open sea, there are objectionable features: witness the facts mentioned regarding the gravid females. But there seems to be no way in which these objections can be obviated. On the other hand the difficulties of the chase, with the alternations of rough and tempostuous weather which compel frequent cessation, preclude the supposition that all the efforts of the hunters can effect perceptible diminution of the enormous aggregate. Nevertheless, if secure from the extirpation which must necessarily follow on their indiscriminate destruction on shore at their breeding haunts, there is a risk that, under imprudent molestation, these seals may be driven to seek other resorts for their feeding grounds. The use of fire-arms for killing them, for instance, would, it is confidently affirmed, be followed by the removal of the seals to another locality. If persisted in, the practice would probably be followed by a general migration to less disturbed retreats. There seems to be but one opinion on this point among those interested in the business

leading to the expression of a general desire that the possible adoption of the practice may be interdicted.

23. It is in view of all these circumstances that the suggestions contained in my previous communications on this subject, already referred to, were framed. That the United States authorities would gladly, on their side, co-operate in the adoption of such regulations, I do not question, seeing that outside of the three-mile limit, a common interest is involved.

24. In conclusion of this portion of my subject I may point out the necessity, that some measure of co-operation for the development of this important industry should be adopted by the Indian Department, to regulate the employment of the native hunters on the west coast of Vancouver Island. In the adoption of this measure there should be no delay; and it is only through the appointment of well qualified sub-agents that the object can be effected. I have already, for some time past, been in communication with Superintendent Powell on this subject, and that gentleman is, equally with myself, alive to the necessities of the position.

25. To revert to the salmon fishery. Of the 61,849 cases packed during the

past season the greater proportion has been shipped to England, as under:—

Per "T. F. Whiton"		
"Rover of the Seas"	17,502	"
"Pauline"	19,792	*1

In all 55,400 cases; leaving six thousand four hundred and forty-nine cases which have been shipped to other markets, including a portion by rail to Eastern Canada through San Francisco. Owing to the general revival of trade the European demand has been very active, and the prices realized give renewed encouragement to those engaged in the business, both in this Province and elsewhere. During the past season there has been a general disposition on the part of the Oregon canners to ship directly to England on their own account, instead of doing so through second parties in San Francisco, as heretofore. In this way 189,952 cases had been shipped to England up to October 12th, from the Columbia River alone; at which date owing to scarcity of shipping, the shipments were retarded. But though the European demand for canned salmon is greatly in excess of all the rest, there is an increasing market in Australia, as well as in the Hawaiian Islands and other ports, including a limited demand in China.

From Oregon there is a constantly increasing demand, by rail through San Francisco, and by sea to Boston and New York for the Atlantic States; Chicago being the chief distributing point for the western division. In this way about 183,000 cases have been disposed of during the past year, as against 133,000 cases in 1879, an increase under this head of 50,000 cases.

26. The following synopsis, compiled from the trade report of Messrs. H. Hughes & Co., of San Francisco, and other authorities quoted in the San Francisco Weekly Bulletin, will show the condition of the trade up to a late period of the past year.

The total pack was nearly as under:—

Columbia River	525,000	cases.
Alaska	5,000	"
Sacramento River	50,000	66
Eel and Rogue Rivers, &c	20,000	"
•	600,000	
British Columbia	62,000	"
Total	662,000	"

containing each four dozen one pound cans. Of this amount the following shipments have been noted up to the beginning of December:—

To Europe	288,995	cases.
Australia	27,814	"
Eastern States	182,601	"
	499,410	"

leaving 162,590 cases undisposed of, of which the greater portion has doubtless since been shipped. In the above statement of the amount gone to the Eastern States is included, it may be assumed, the small consignment that has this year gone through to Eastern Canada from British Columbia.

27. Upon the Columbia River, in Oregon, notwithstanding the gloomy vaticinations that had been indulged in of deterioration from alleged over-fishing, it is gratifying to know that there has, during the past season, been a notable increase of the average yield. The comparison for the past three years is as under.—

Canned in	1878	449,000 cases
"	1879	440,000 "
"	1880	525,000 "

The 525,000 cases packed during the past season are the product of twenty-eight canneries of varied capacity, giving an average of about 18,500 cases for each—the extremes being 40,000 and 3,000 cases. I quote the following remarks:—"The run of fish in July was unprecedented. The catch in July, 1879, was unusually heavy. It was out of proportion to any previous July. But this year it was still larger. It took the canners completely by surprise. They were not prepared to take such quantities. More than the usual number had to be salted, some had to be thrown away, and some of the boats were withdrawn." This excessive yield is to be ascribed to those natural and seemingly anomalous causes which affect to a certain extent the Columbian fisheries, similarly with those of Frazer River, and for which, in the case of the latter stream, I have before endeavored to suggest a reason. I mention this fact lest, inconsiderately, the increase of 1880 should be ascribed to the effect of the artificial propagation now in progress on the Columbian waters. As I have mentioned in a previous report a hatching establishment was put in operation there some years ago, and there is every confidence of a beneficial result—still, however, prospective. The first batch of young salmon liberated from this hatchery, of any moment, was, according to the U.S. Fishery Report, in 1878, estimated at 1,203,000. These fish, or the survivors of them, should attain maturity and return to the river, if all calculation be not erroneous, in 1882. There was a small shoal (the first product of the hatchery) liberated in 1877; but the number was inconsiderable, and in any case can only affect the approaching season.

28. The Deputy Minister, Mr. Smith, had the opportunity during his recent visit to this Province, of listening to the various arguments advanced by the cannery proprietors in favor of the establishment of a hatchery on the Fraser; and also of obtaining information and suggestions on other points. To the notes of that gentleman, and to my previous communications on the first named subject, I respectfully

refer you.

29. Several gentlemen, including Dr. Bean and Professor D. S. Jordan, of Washington, employed by the U.S. Fish Commission, have during the past summer been occupied in examining the fisheries of this coast, and collecting specimens of their products. The observations of these gentlemen will, when published, doubtless convey much valuable information. So far I have seen only partial references to their proceedings, conveyed in the meeting reports of the San Francisco Aca Sciences. With regard to the codfish I extract the following:

"They paid particular attention to the codfish and the halibut, and Dr. Bean became very confident that the Pacific codfish is the same as those caught in the Atlantic; and there is no reason why, in the course of time, with some care and attention, the Pacific codfish should not become as valuable and important on this side of the continent as the Newfoundland fishes are upon the Atlantic." At the same time, it may be noted that, though this fishery has not attracted attention in this Province, it has already attained to some importance among our neighbors. About twenty-two vessels are now, I understand, engaged in it, equipped by parties in San Francisco, who prosecute the business of curing and selling the fish on a well established basis. Here, however, the inducements to enter upon this branch of industry are limited. The local demand is necessarily of small importance; and since we do not share in the privileges of the Washington Treaty we are virtually excluded from the only considerable markets near at hand in the United States, namely Portland, in Oregon and San Francisco. It is then evident that, with a view to the prospective development of the codfishery from our shores, a more distant yet readily accessible market must be sought. The field, however, is wide. Australia, China, Japan, and the Sandwich Islands, are all consumers to a greater or less extent of fishery productions, and in Chili and Peru there will doubtless be a renewed and very extensive demand, so soon as their present agonizing struggle shall have terminated. With all these countries we have already, in other branches of commerce, an extensive and increasing trade from this Province. Thus, a demand being first established for our fishery products, access to these convenient markets is already provided in connection with other industries of local origin.

30. But although the cod-fishery from San Francisco has already, as before mentioned, attained to considerable proportions, it has not been established without having undergone obstacles which by perseverance have been successfully overcome. This may be gathered from the following passage, which I quote from a trade report

of the Bulletin:—

"Cod-fishing, as carried on by San Francisco merchants, has hitherto (1878) suffered from the active competition of the Eastern market, coupled with an existing prejudice against Pacific coast fish, which prejudice has been carefully fostered by such merchants as made largest profits on Eastern cod, and such Yankee epicures as could see (or rather taste) no excellence in any fish not caught within sight of Cape Cod. This year, however, San Francisco dealers have been able to place their own coast fish on the local market at prices ruling two and three cents cheaper than Eastern fish could be profitably sold for in San Francisco. Per consequence the native article is now having a fair chance on its own merits, and is credited by leading grocers with full equality to its Atlantic cousin. coast fishing captains believe that other cod banks exist off the Alaskan coast fully equal to those near the Choumagin Islands. But as the expenses of a careful survey would be considerable, individuals hesitate to assume an outlay, the results of which would belong, in part at leat, to others. The large sales of Pacific cod during the past season will doubtless stimulate the fishing merchants to renewed efforts, and if the attention of some one of the Government cruisers can be directed towards a discovery so practical as the location of new and accessible cod banks, the outlay of Government time and money would be creditable to all concerned, and prove of essential service to this market."

So far the San Francisco Bulletin; but whether the suggestion made has had a practical result, and that the United States Government has taken the exploratory

measures recommended, I am not informed.

31. In the absence of positive development in many branches it would be idle for me to enter here into a detailed notice of the minor industries connected with the fisheries in this Province; and the less so since I have already, in previous reports, gone somewhat fully into the subject. From the reports of Dr. Bean and Professor Jordan, before mentioned, when published, much information regarding the fishes of the Pacific coast, with a proper classification of some questionable species, will doubtless be obtained. The oil products of our waters, I may remark, already of import-

ance, are capable of vast extension. So far the extraction of the dog-fish oil by a systematic process has been adopted only by one firm, the Skidegate Oil Company, whose operations have been very successful, though so far prosecuted on a somewhat limited scale. But many poor men secure, by industry, a competent support from the same source. These men pre-empt spots of land at various points along the coast, where they reside with their families. A few acres of cultivated soil, a cow, and other adjuncts, contribute to the support of the household: the sea supplies the rest. With economy a moderate competence may thus be realized. An industrious fisherman, in a good locality, may average his two or three dollars a day, or more, during a considerable portion of the year. In this way, and from the natives, who also prosecute the busine-s, the supply of oil for local consumption and for exportation is at present chiefly obtained.

32. I am glad to state that the services of the rising generation of our native population, along the coast, and of the younger adults, are of great value in developing the fishing interests. The expertness of these people as water-men, and their aptitude under instruction, qualify them peculiarly for the business of the fisheries. I do not question that the Indian Department, in all practicable ways, sanction measures to develop and improve this invaluable source of labor, upon which the successful prosecution of our fisheries, and indeed of other large provincial industries, at present in no small degree depends. Nor is it under this utilitarian consideration alone that this subject will be regarded; for it is by the prudent encouragement of their industrial tendencies, conjoined with other teachings, that the beneficent intentions of the Government towards its native protégés will be best and most effectively

promoted.

I have the honor to be, Sir,

Your most obedient servant,

ALEX. C. ANDERSON,

Inspector of Fisheries, British Columbia.

Number and Value of Vessels and Nets engaged in the different Fisheries of the Province of British Columbia during the year 1880.

4.64 0.4.50.4	*** 000
4 Steamers, 3 to 50 tons	\$11,000
10 Schooners, 15 to 75 tons	9,025
317 Fishing boats	15,340
93 Cedar canoes (with sealing fleet)	,
16 Flat boats	1,925
344 Salmon nets, 117,760 yards	36,065
15 Oolahan nets	450
51 Fish seines	4,100
2 Herring nets, 120 yards	120
	120
Total	\$78,025
9 Salmon canning establishments, estimated value \$10,000	
each	\$90,000
1 Salmon station, Nass River	5,000
1 Oil Station, Queen Charlotte Island	8,000
1 Herring oil establishment	1,000
Total	\$104,000

1,178 Fishermen.

665 Shoremen.

ALEX. C. ANDERSON,

Inspector of Fisheries, British Columbia.

VICTORIA, B.C., 19th January, 1881.

RECAPITULATION.

YIELD and Value of the different Fisheries in the Province of British Columbia, during the Year 1880.

Kinds.		Quantities.	Value	: .
Salmon, salted	Half-brls.	2,345 284	\$ 18,769 1,420	00
do do	Pieces. Lbs.	27,678 2,968,752	13,889 400,781 950	52 00
Fish (assorted), salted Herrings, salted do smoked do do (not enumerated)	do do	50 10 20	200 1,550	00 00
do Herring	Boxes Gallons do	145 180 1,274 7,000	725 180 1,274 3,500	00 00 00
do Dog-fish, Seal and Porpoise do refined Dog-fish. Trout, fresh	do	119,362 20,000 2,500 80,000	47,744 11,000 150 3,200 175	00 00 00
Haddock and other fish, dried Halibut, fresh, in ice to San Francisco—Customs return Fur Seal Skins Hair do	Lbs.	17,176 13,600 3,000	1,182 163,200 1,500 4,200	00 00 00
Sea Otter Skins		105	35,000 2,000	00
Total for 1880do 1879			713,335 631,766	

Value of computed consumption of Fish by the Indian population (35,000) as by detail given last year:—

Salmon	180,000 250,000	00 00
Total .	\$4.885.000	00

	W неве Маккетер.		18 J	verpoor a and Easte n Fra	ifali of f	uət ısnı	A c any non	tion to gisnoo	roq Ilga saus	S SI V) Local sale in Victoria.	New West-	Yale, &c. London and	London.
9\$ 7	Herring, Refuse, tons, a		:	:			:	:	:	:		:	: 2	
	Herring Oil, gallons, at 50 cts					<u> </u>				i			7000	
Оп.в.	Doghsh, Seal and Por- poise Oil, gallons, at 40 cts.								:					
Õ	Oolshan Oil, gallons, Re		-			:	i	:	:	i				•
	Dogfish Oil, refined, gallons. at 55 cts						i	:	i			i		:
.04\$ 11	No of Sea Otter-skins, a		<u>:</u>				:		<u>:</u>	- <u>÷</u>	:-	÷		 -
aesis),	No. of Seal-skins, (Hair at 50 cts.						-							
. \$12.	No. of Fur-seal skins, a													
.9\$ 1.	Assorted Fish, barrels, a					<u>. </u>	÷		<u>:</u>	<u>:</u>	: :	<u>:</u>	<u> </u>	<u>:</u>
	Oolahans, smoked, boxe		:			:	:	:	:	:		:	: :	<u>:</u>
75\$ 17	oláhans, half-barrels, s					:	:	:	:	:	:	i		$\frac{-}{\mathbb{I}}$
.di	Trout, Ibs., at 6 cts per						:		:		1500			•
.01\$ 1в ,	Smoked Herring, barrels												20	
	Herring, barrels, at \$1.		:			:	:	:	:	:		:	-:9	<u>:</u>
	Halibut, lbs.						•			i		i		:
	Haddock, &c., value	44•	<u>:</u>			: -	<u>:</u>	 ;	:	:		÷	· : : :	:
	Sturgeon, Ibs., at 4 cts		8000	0009	00001	<u></u> } !	9000	8500	8000	10000	10500			<u>.</u>
	Salmon, smoked, value.	99	:				:	:	:	_ <u></u>		<u> </u>		<u>:</u>
lbs. еасh	Балиоп, іп сяпз, сявея 48		4333	2048	002		6191	5300	1909	9727		:		9924
cts,	Salmon, fresh, No. at 50						:	:	i	:	11500.	178	7000	brls.
	Salmon, barrels, cured.		112	,	200	3	:	7	:	15	:		100	91 81
	NAME OF OWNER.		Adair & Co	Columbia c Co	Delta Cenning Co	20	30	Durham &	, Co	Haig & Sons	er, T. Herring J. Ibbotson	I. Bateson (H. Riv)	Rouster	(Turner, Beeton
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	NAME OF STATION.	Canoe Pass. Fraser		ew Westminster, Fraser River British Col- Packing Co	Ladner's Landing,		Fraser River Ewen & Co	River Findlay, Durha	New Westminster, Frascr River English & Co	oquitlam, Fraser River	New Westminster, Fraser River		ılet	Skeenâ River Inverness Caur (Turner, Bee

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Windsor Cannery (Pempster & Co.)	do J. Cunningham	Nass River Packing Co	J. Huson	Skidegate Uil Co	Victoria Merchants.	Oil export, per Cus-	Oil, local consump-	&c.	Figh in ice to San Francisco, per	:	Various parties in Victoria, Esquimalt and other places	20	Kits			Vістовіл, В.С., 19th January, 1881.
ор	do Nass River	ор	Alert Bay Charlotte	ΞΞ	Columbia	т ор	ор		00		ор		Total			Victoria, 1

271

Value. Herring Nets. RETURN showing the Number and Value of Vessels, Boats, Nets, &c., in the Province of British Columbia, for the Year 1880. 120 : : : Yards. ON. Fish Seines. Value. Yards. NETS AND SEINES. o.V Value. Oolahan Nets. Yards. ON. 2500 4000 4500 2520 4500 5000 1250 Value. Salmon Nets. 10000 000 1800 2000 Yards. 20 25 40 45 45 53 10 30 20 16 100 22 22 8 25 67 8 ₹ No. of Shoremen. 80 . 160 200 104 7500 150 No. of Fishermen. 100 150 175 625 300 : Value. : :01 : : .oV : : : 120 120 120 900 15 100 380 450 Vaiue. FISHING BOATS. 20 29 -85550 2 oN. -No. of Sailors. 1000 2000 VESSELS 80 anoT 7 mated)..... Various Fishermen..... .oV T. Herring J. Ibbotson T. Bateson Hanson & Rouster River. Delta Canning Co. Brodie Windsor Canning Co..... English & Co. Findlay, Durham and Inverse Cannery...... Haig & Sons..... NAME OF FITTER-OUT. Queen Charlotte Island...|Skidegate Oil Co..... ... Nass River..... Ladner's Landing, Fraser New Westminster, Fraser Dease Island, Fraser Riv coast, (esti-ခုခုခုခ NAME OF PLACE. Coquitlam New Westminster

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		120	
	250	36065	
	400	117760	
	2	344	
		999	
186		1178	
	75	1925	
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6500		4 435 20025 40 317 15340 16 1925 1178 665 344 117760 36065 15 450 51 4100 2 120 120	
260	-	435	
+1	:	4	10
and others in 17 260 6500 27 (93 canoes) 186		(*Steamers .	{ †Schooners
W. Spring a	J. Huson		
Fur-seal fishery, west coast of Vancouver Island	Alert Bay J. Ruson		

ALEX. C. ANDERSON, Inspector of Fisheries, B.C.

VICTORIA, B.C., 19th January, 1881.

APPENDIX

PROVINCE

RETURN of the Number and Value of Vessels, Boats, Nets, &c., together with

	Ves	SELS			ATS E	MPLO	YED		N	ets,	rHE	IR	Nυ	MBER	, Sızı	E,
Station.		Vess	els.		E	Boats		G	ill Net	3.	Se	ine	es.	Pou	ind N	ets.
	No.	Tonnage.	Value.	Men.	No.	value.	Men.	No	Rods	Value.	No	Rods.	Value	No.	Rods.	Value.
Lake Superior Division.			\$			\$				\$			\$			\$
Salter's Island	1	30	2000	4	1 2 6 2 20	435 100 325	4 40	10 10 2 44	2432 550 500 125 	425 250 300 400 200 100 1125 200				2	70	500
Manitoulin Island Division. Duck's Islands				 	8		16	61	1220				 			
Total	2	47	7000	7	55	3600	127	1085	33700	6425						

^{*} No Returns.

No. 13.

OF ONTARIO.

the Yield and Value of Fish in the Province of Ontario, for the Year 1880.

ALU	E, & C	:.				Kinds	AND	Qt	JAN	TIT	IK	3 0	r Fis	н.				VAL	UB.	TOTAL.	
Ho Ne	op ts.	Sco Net					-			-is					8	sal con-	barrels				
No.	Value.	No.	Value.	Whitefish, brls	Whitefish, lbs	Whitefish, No.	Trout, brls.	Herring, brls.	Sciscos, brls.	Maskinongé, brl	gass, bris	Pike, brls	Pickerel, brls.	Sturgeon, brls.	Coarse Fish, brl	Fish used for local sumption, bris.	Total number of barrels of Fish.	Fresh.	Pickled	Value.	
	\$		\$															\$	\$	\$ c	ts.
				240			210									40	49 0		4660	4,660	00
				25			50				•••					20	95		830	830	
•••••				40			50	•••	•••		•••	•••				30	120		1030	1,020	
•••••		•••••		36 225	600		70 200		•••		•••	•••	•••••	•••	••••	30	139	500	710	1,210	
•••••			•••••	25	•••••		60	•••	•••		•••	•••	•••••		•••	50 20	475 105	••••••	4450	4,450 930	
				20			35		•••		•••				•••	53	103		930 762	762	
				143	51200		428						102			63	992	2562	6470	9,032	
				10			75									5	90	400	470	870	00
•••••				58	2600		318									20	409	1000	2970	3,970	00
•••••							68					•••				5	73	500	200	700	
•••••		6	36	•••••	26000				• • •			•••				65	195	1560		1,560	
•••••	•••••	4	24				•••••				•••		57			10	67	325		325	00
•••••			•••••	550			•••••		•••		•••					15	565		5560	5,560	U
•••••		10	60	1372	80400		1564	<u></u>					159	<u> </u>		426	39.3	6847	29032	35,879	00
•					190000		2750									100	3800	27500	990	37,400	06
•••••			l	100]			160		1240	1,240	
•••••			ļ					l	l	١	l	I	l	I	1					-,	
•••••					ļ	 		1	ļ		ļ			 	I						•••
•••••								1													
•••••		•••••	·····	29		300	135	1	•••				ļ			30				1,790	0(
•••••		•••••		112		11400	467				•••					140	833	3000	4490	7,490	0
				241	190000	11700	3352	1	1	7		1		1	1-	220	1000	31390	16520	47,920	0
	1		1		-0000	11.00	0004	1		1		1		1	1	1 220	1990	131330	1.0000	71,020	•

RETURN of the Number and Value of Vessels,

	v	BSSEL		BOA ISHIN		(PLOY	'RD				Nets	, тн	cir N	Т МВ В	r, Si	ZB,
STATION.		Ves	sels.			Boats	3.		Gill Ne		Seine	·s.	Po	Pound Nets.		
	No	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value,	No.	Rods.	Value.	No.	Rods.	Value.
Georgian Bay Division.			\$			\$				\$			\$			\$
Byng Inlet	1	15	1000 500			400 150	8	50	5000 540 716	1750						
From Collingwood to Thornbury	 		•••••		37 14	998 2100	72 28	122 196			ĺ	50	100			
From Killarney to Parry Sound	*2 *2 *1	25	4500 2600 400	6 5 2	4 2		50 8 4 10 6 4	300 102 24 111 28 21	1875 400	7200 560 140 476 160 110						
Total	7	83	9000	18	111	9663	227	1123	134222	21152	1	50	100			

^{*} Tugs.

Boats, Nets, &c.—Ontario—Continued.

V≜L	п п, &	c.				K	INDS	AN	D '	Qυ.	ANT	TITI	E S 01	F Fie	н.			VAL	UE.	TOTAL.
Ho Ne	oop ets.	Sc. Ne	oop ets.							80					· 60	local bris.	of bar-			
No.	Value.	No.	Value	Whitefish, brls.	Whitefish, lbs	Whitefish, No.	Trout, bris.	Herring, brls.	Sciscos, brls.	Maskinongé, brls.	Bass, brls.	Pike, brls	Pickerel, brls.	Sturgeon, brls.	Coarse Fish, brls.	used for umption,	Total number or rels of Fish.	Fresh	Pickled.	Value.
	\$		\$	200		80000	. 50									100	1150	8000	2900	\$ ct
•••••			•••••	20 90 50 16		200	10 5						•••••			110 100 59 5	430 200 107	3000 200	640 1400 570 180	3,640 (1,400 (770 (180 (
				58			47	45	•••		ļ		52		88	75	365		2142	2,142
•••••			ļ			45400			ļ	ļ		ļ				80	534	4860		4,860 (
				520 296 70 180 7 20		311500 2400 2200 11500 2200 1300	150 995 70	8	ļ						10	25 70 40 30	312 1342 129		2000 1400 6008 610	36,710 (4,140 (2,700 (13,108 (1,110 (2,934 (
				1527		486700	1657	63					52		108	785	9059	59750	24844	84,594

RETURN of the Number and Value of Vessels,

	1	Ves				BOATS	Ew-			Nets ,	THE	R NU	MBER,	S	ZB	,
STATION.	\ -	/es	sel	s. 		Boats.			Gill Ne	ets.	s	Seine	s.		ou Tet	nd
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
Lake Huron Division.		,	\$			\$				\$			\$			\$
Saugeen					11 3 4 7 3 5 ———	2100 165 1325 6325 625 300	27 6 13 23 9 100 20 198	356 564 234 260	12168 5120 2500	7920 3560 5250 2300 1400	3 5 8		370 1075 1445			
Thames River and Lake St. Clair Division. Mitchell's Bay PLittle Lake Thames River Total	١	 		: : :	9 27 ————————————————————————————————	105 270 375	24 172 196				6 29 35		625 1535 2160	_	 	
Detroit River Division. Detroit River	:::::::::::::::::::::::::::::::::::::::	 : —		:::	7 1 5 3	280 40 220 110	49 7 38 21				14 2 10 6 	50 275 150	2100 300 1500 550 4450		 	:::

^{*} Nine special angling permits.

Boats, Nets, &c.—Ontario—Continued.

VAL	Œ,	&c.					Kine	S AN	D (Qυ	ANTIT	'ies	of l	Fish.				VALU	B.	Total	
Hoo Net	op s.	Scoo Net	op 8.							la.					.83	local brls.	barrels				-
No.	es Value	No.	Value.	Whitefish, brls.	Whilefish, lbs.	Whitefish, No.	Trout, brls.	Herring, brls.	Sciscos, brls.	Maskinonge, brls.	Bass, brls.	Pike, brls.	Pickerel, brls.	Sturgeon, brls.	Coarse Fish, brls.	Fish used for local consumption, brls.	Total number of barrels of Fish.	Fresh.	Pickled.	Value	•
	\$		\$																	\$	cts.
					315800 2600 34400 232000 92000 86000 762800		850 455 180 555 285 20 2345	168 133 130 360 125			38	-	113	25 25		100 400 36 97 920 470 380 731 3134	950 2434 217 582 2635 1345 760 1462	8900 21940 946 4440 20830 9850 3160 8604 78670	 	8,900 21,940 946 4,440 20,830 9,850 3,160 8,604	00 00 00 00 00 00
				43	8800		35				135 32 167	1	571		63 636 699	385	241 1 2097 2339	1135 5 9724 10864		1,135 5 9,724 10,864	00
•••••						27000 5500 67000 4000		6 400		2	5	31	33 2 30 110	25	50	12 236	532 73 1419 736	624 9759		3,845 624 9,759 3 ,6 36	00 00
•••••						103500		406		14	9	35	175	381	235	470	2760	17864		17,864	00

RETURN of the Number and Value of

	V				nd H d Fis:	Boats hing.	EM-				Nets	, тне	ir N	CM1	зве, 1	Size,
Station.	7	es	sel	3.		Boats		G	ill N	ets.		eines		Po	ound	Nets.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
Lake Erie Division.			\$			\$				\$			\$			\$
Point Pelee					10 1 1 1 4 1 4 3 1	1645 300 6 40 75 50 5 67 235 80 150 20 1040	13 2 2 2 9 2 12 11 4 22 2 8	2			3 1 4	105 40 240		16 8 1 2 2 5 2	100 200 200 200 400 150	
Old Fort Erie (hook and line fishing)	<u> </u>	<u></u>	-	<u></u>	13		13			<u></u>	<u> </u>					
Total					85	4820	178	2	60	40	21	725	2240	54	4337	1438

Vessels, Boats, Nets, &c.-Ontario-Continued.

V	LUE,	&c.					I	Kinds	A	ND	QUAI	NTI'	rirs of	Fish	ι.			VALU	I S.	Тота	.L.
	oop ets.	Sco	oop ets.							bris					, se	local bris.	barrels				-
No.	Value.	No.	Value,	Whitefish, brls.	Whitefish, 1bs.	Whitefish, No.	Trout, bris.	tierrings, brls.	Sciscos, brls.	Maskinongé, br	Bass, brls.	Pike, brls	Pickerel, brls.	Sturgeon, brls.	Coarse Fish, brls	Fish used for consumption,	Total number of barrels of Fish.	Fresh.	Pickled.	Valu	е.
	\$		\$															\$	\$	\$	cts.
				75	77000 84400 1600 6000 3000 2400 3600 5000			902 376 85 739 200		1	5 2 9 10	 8 15 5	225 192 40 25 35	170 346 4 33 50	64 26 20 92 180 189 10 21	574 311 201 4 5 42 40 2 34 168 65	3443 1869 1225 24 105 252 244 12 206 1007 390	16794 10178 5894 96 468 1188 1066 48 950 4218 1810		468 1,188 1,066 48 950 4.218 1,810	00 00 00 00 00 00
•••				26 8				10 20 116 30		 	10 5 3 		15 5 54 17 40	4 3 104 70 45	10 2	13 7 61 26 17	82 40 367 156 102	377 173 1788 762 493		377 173 1,788 762 493	00 00 00
]				113	183000			4270		10	347	95	718	1067	849	1659	10043	48577		48,577	00

RETURN of the Number and Value of Vessels

	V	essei		Boa Fishi		MPLO	ED		ì	Vets,	TH	EIR I	Numb	er,	Sı	ZE,
STATION.		Ve	ssels.		I	Boats		G	ill Nets			Seine	8.		ou Net	
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods	Value.	No.	Rods.	Value.
Niagara River and Lake Ontario Division.			\$			\$				\$			\$			•
Fort Erie, Niagara River					2	60	4			•	2	40	180			
Bertie					2	40	6			•••••	2	80	200			
ucenstown					5	110	8				4	360	650			
Viagera					7	140	9	5	900	210		150	350			
Niagara River														l		
ľwo Mile Creek					2	100	4	5	700	300	1	75	150			
Four Mile Creek					6	311	12	9	2094	610	4	200	330	 		
Ten Mile Creek					1	40	1	1	150	60				١		
Port Dalhousie					1	120	3	4	550	210		5 0	60	 		
Fifteen Mile Creek					1	30	2	1	90	30						
Sixteen Mile Creek					2	180	3	2	170	90		30	100			
Twenty Mile Creek					2	120	4	2	190	70		50				ļ
Olinton					1	10	1	1	30	15			•••••			
Grimsby				•••••	1	75	2		600	150		•••••	•••••			
Winona Burlington Beach					1	75 935	3 36		1080	310			1000			
				••••••	17	930	36	17	3169	1910	10	682	1255	····		••••
do (spearing) Twelve Mile Creek (angling for					•••••					•••••		•••••	•••••			····
domestic use)	1		i	1	1					1					1	1
Bronte					5	375	13	15	1805	1550	2	150	180	١		
Port Crédit (angling for domes-			l		•	0.0		1	1000	1000	"	100	100	1		
tic use)		l	l	l			l			l	1			l		į
Port Crédit					2	55	6	4	260	70	2	70	80	l	Ĭ	
The Humber	 		1		3	160	4	9	800	240		50	150			l
Toronto Island					4	250	8	10	2145	850	3	150	520			
Ashbridge's Bay					5	90			280	150	١					
Leslieville					2	250	3	6				50	150			
Gate's Gully					1	40		2	360	200				١		ļ
The Rouge					1	20					1			٠	1	
Frenchman's Bay					3					90			200			ļ
Whitby					4) · · ·		
Brighton					5				1			50	200	١		¦
Colborne Grafton					5 2				2400	480	' ···			1		
Cobourg									0500	F00	J		ļ	•2	•	3
Hort Hope				1	1				2500	500	'''i	20	50			1
Port Britain			1	1	1	10				1	1					
Port Granby					1				·····	1	i				1	1
Bowman ville			1		3				300	60						
	-		.		-			1				30	1.10	1:		
		1	1		;	1	204	129	1	1	-1-	2482	•	1		3

^{*} Trap Nets.

Boats, Nets, &c .- Ontario-Continued.

V.	L	:: E, &	c.				Kin	D8 A1	id Qi	UAR	(TITÍE	S OF	Fisn			· · · · · · · · · · · · · · · · · · ·		VALU	e.	Total	
No. Hoop	-[Sco Ne		White Fish, brls.	Wnite Fish, 1bs.	White Fish, No.	Trout, brls	Herring, brls	Sciscos, brls	Maskinongé, brls	Bass, brls.	Pike, brls.	Pickerel, brls	Sturgeon, brls.	Coarse Fish, brls.	Fish used for local consumption, brls.	Total number of barrels of Fish.	Fresh.	Pickled.	Value.	
	6			10 149 152 24 10 31 50			1	80 60 45 11 10 5 17 5 12 10 87	5 15 13		3 6	25 25	7	111 20 7 2 	10 25 12 12 25 11 2 12 3 8 8 13 3 8 10 31	17		1099 771 564 2346 492 2012 1040 135 61: 55 658 319 16 708 750 4803 720		\$ 0 1,099 (771 (564 (2,012 (492 (612 (612 (612 (612 (612 (612 (612 (61	00 00 00 00 00 00 00 00 00 00 00 00 00
3 1 2 1		155	600	50 10 10 27	200	100	8	6 8		25	2	8 17 44 25			30 20 40 11 2 80 18 17 3 2 8	7 13 27 12 19 6 1 8 3	164 76 117 35 5 47 17			144 (1,830 (192 (270 (193 (193 (193 (193 (193 (193 (193 (193	90 90 90 90 90 90 90 90
6 3	33	155	600	945	125200				378		169	255		40	938		1860 5737			35,818	

RETURN of the Number and Value of Vessels,

	V				Bo.		Gw-		N	втs,	тнв	ib N	UMBR	в,	Size,	=
STATION.		Ve	ssels		E	Boats		G	ill Nets	3		Seine	s.		ound Nets	ı -
	No.	Yonnage.	Value.	Men.	No.	value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No	Rods	Value.
Prince Edward County and Bay of Quinté Division.			\$			\$				\$			\$			\$
Weller's Bay and Consecon Lake From Weller's Beach to Spencer's Point					2 8	50 240	-		1500	600						
Salmon Point East Lake and Beach Wellington Beach					5 3 8	150 90 240	15 20 40		1500	600	 3 6	200 300	600 950			···
West Lake and Atkins Point Point Peter From Point Peter to Point Traverse, including Petticoat Point, Gull					9		24									
Pond, Main Ducks, False Ducks, and Timber Island	3		3000	1		1200									•••••	
Green's Island			800	6	20	400	40	15	3500	1200		•••••				
Sophiasburgh Big Bay Ameliasburgh Zuick Island				1	1 3 3	130 95	10 18	2	300	300	3		600			
Zuick Island. Point Ann. Tyendinaga Saugeen Creek		1			5 9 4	195	36				1 4 8	210	550			
Total	7	50	4600	21	111	3820	362	168	41800	9700	6	1490	3900			

Boats, Nets, &c.-Ontario-Continued.

V	ALUE,	æc					Kıs	DS A	ND	Qτ	JANTI	TIES	of F	ISH				VAL	JE.	Тота	L.
	loop lets.		coop lets.	arrels.	bs.	.0.	els.	rrels.	rels.	, barrels.	zó.	si si	rrels.	arrels.	, barrels.	r local con- barrels.	f barrels of			Valu	
No.	Value.	No	Value.	Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, barrels.	Herring, barrels.	Sciscos, bar	Maskinongé, parrels	Bass, barrels.	Pike, barrels.	Pickerel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels.	Fish used for local comption, barrels.	Total No. of barrels Fish.	Fresh.	Pickled.	Valu	
	\$		\$															\$	\$	\$	cts
10	6														120	10	130	52 0	 	52 0	00-
•••					25000 25000 16000 30000		100								150 75	30 25 20 20 15 10	255 250 100 245 165 85	2330 660		2370 2350 880 2330 660 340	00 00 00
•••					214600 65000		125 279				•••••					100 120	12 9 8 724	12380 6520	1	12380 6520	
 2 22	100			16 16 42 11 35 79				13 23 22 20 73 99		1 2 	3 7 11 2 24 56	9 8 3 34	5 14 14 6 73 57		2825 3 23 25 5 172 15 230	50 10 15 15 30 20 20	2875 54 107 138 54 441 377 250		122 164	11500 324 554 838 295 2105 2146 1000	00 00 00 00 00
34	1206			199	375600		679	250		3	103	109	169		3643	515	7548	42932	4180	47112	00

RETURN of the Number and Value of Vessels

	V				ND Bo		Ем-				Net	в, тн	eir I	lumbi	er, S	ızr,
STATION.	\	es	sel:	s	F	oats.		Gi	ll Ne	ts.	s	eines	.		ound Nets.	l
	No.	Tonnage	Value	Men.	No.	Value.	Men.	No.	Rods.	Vædue.	No.	Rods.	Value.	No.	Rods.	Value.
Lennox and Addington Counties Division.			\$			\$				\$			\$			\$
Napanee Fredericksburgh Hay Bay Adolphustown. Grass Island Amherst Island					6 2 2 6 3 9 	135 25 20 130 115 325 750	11 2 4 11 7 16		70 20	21 6 181 259 722	2	13	52 52			
Kingston Division.																
Big Bay Horse Shoe Island Grannis Bay Pigeon Island Howe Island Burnt Rock Island Hay Island Drowned Lands (Rideau Canal) Dog Lake Lakes of the County of Frontenac					1 1 2 1 1 1 1	25 100 35 150 30 31 40 30 35	1 2 1 6 2 1 2 2 2	10 20 8 75 10 17	200 80 750 100	40 80 32 290 40 70						
(North of Loughborough Lake) Total	-		-		41 51	341 817	69 88		608 2008	774						<u></u>
Cornwall Division	-		-	-	52			<u> </u>			2	20	13			
Carleton and Russell Counties Division *Muskoka Division.	 	-		-							<u> </u>		<u></u>	<u></u>		-
Muskoka, Rosseau, Joseph, Trading, Three Mile & Clear Laker				.	25	205	50				 	ļ 			ļ	ļ

^{*37} angling permits were issued.

Boats, Nets, &c .- Ontario - Continued.

Val	u e, &	C.					Kinds	AN	o Q	U.	NTITI	K8 0	F Fis	н.				VAL	UR.	TOTAL.
Ho Ne	op ts.	Sco Net	op is.	arrela.)8.	0.	ols.	rrels	rels.	barrels.	-	zá	rrels.	arrels.	barrels.	or Local	of barrels			
No.	Value.	No.	Value.	Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, barrels.	Herring, barrels	Sciscos, barrels.	Maskinonge	Bass, barrels.	Pike, barrels.	Pickerel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels	Fish used for Local Consumption, bar-	Total No c	Fresh.	Pickled.	Value.
	\$		\$															\$	\$	\$
•••••						30 00 600								4 0	21 1 15	15 10 5	17	104		644 104 140
6 10	180 290					400 7100 235 00	50					12	45 2		20	5 10 15	74 81	365		365 750 2920
16	380			<u> </u>	<u> </u>	34600	50			_		12	47	40 	57	60	612	4923		4923
4	80									•••	11	6	6		40	10				315 58
•••••							103			•••	2 1 1	5	8 4		2	1	113	42 1075		42
3 8	54								 		3 6	5 10	5 5		16 2 46 16		171	81 305		81
15 52	270			9			13	68			4	5		21	130		135)	540
	1376			9			116			 	28			21			-	4570	·I——	4570
								 	 	10	20	20	25	 <u> </u>	348	6	0 48	1995	5	. 1998
50	50		ļ	ļ					 	 						. 9	0 9	360	0	. 360
	,																			
•••••			ļ		2600		34	74	ļ		5	7	/	.		. 1	0 14	3 86	6	. 86

RETURN of the Number and Value of Vessels

					D Bo						NB	rs, T	HBIR	Nume	er, S	Size,
Station.	-	7es	sel	3.	В	ats.		Gi	ll Ne	ts.	s	eines		Pou	nd N	ets.
	No.	Tonnage.	Value.	Men.	No.	Value.	Men.	No.	Rods.	Value.	No.	Rods.	Value.	No.	Rods.	Value.
Lake Simcoe Division.			\$			\$				\$			\$			\$
Orillia Hawkestone Barrie Lakes Simcoe and Couchiching					1 1 5	20 328	8	1 6	500 3 6 00	100						
(spearing under special licenses) *Port Bolter *Thorah Island	 															
Total Lake Scugog Division	-	-	-	-		373	-	9	4700	1275				al p	ermit	
Rice Lake and Trent River Division	-	-	-	-	_		 					(617		do		lo
Peterboro' and Victoria Counties	<u> </u>	<u></u>			20	385	20 —									
Charleston and Gananoque Lake Division	 	 	 													
Mississippi River and Lakes Division	<u> </u>	 		<u></u>	5	60	9	1	2 0	5						
Madawaska and Bonnechère Rivers and Lakes in the Counties of Lan- ark and Renfrew			ļ	64	314	103	60	5 75	211							.

^{*} No returns.

Boats, Nets, &c .- Ontario - Continued.

v	ALUR,	&c.					Kn	NDS	AN	р Qu	'ANTI'	ries	of F1	sH.				VA	LUE.	TOTAL.
Ho	oop ts.	Sc.	oop ets	els.				i		arrels.			si si	els.	rrels.	cal con- rrels.	r of			
No.	Value.	No.	Value	Whitefish, barrels.	Whitefish, lbs.	Whitefish, No.	Trout, barrels.	Herring, barrels.	Sciscos, barrels	Maskinongé, barrels.	Bass, barrels.	Pike, barrels.	Pickerel, barrels.	Sturgeon, barrels.	Coarse Fish, barrels.	Fish used for local consumption, barrels.	Total Number barrels of Fish	Fresh.	Pickled	Value.
	\$		\$															\$	\$	\$
•••••						100 300 1200	1	88	 							6 10 5		80		396 80 750
•••••						700	3	2 	 					 		8	20	140		140
						2300	66	90				<u></u>				29	208	1366		1366
angl	ing u	ere is	sued.)				- <u></u>	 	800	230					100	1130	5550		5550
,	do	í	lo `)					 	750	300		350	 	100	70	1570	7680	·····	7680
							54	38		193	186				47	70	588	3055		3055
5	85		<u></u>				15			<u></u>	20	10		<u></u>	20	30	95	500		500
4	100						<u></u>	·	 		30	262	15	 	140	20	467	2175		2175
	••••	••••	•••••	46			60	••••		44	78	154	67	18	282	40	789	4153		4153

RECAPITULATION of the Number and Value of Vessels, Boats, Nets, &c., together with the Yield and Value of Fish, in the Province of Ontario, for the Year 1880.

	op 81	Value.	₩	69 4 4 60 600 40 40 40 40 40 40 40 40 40 40 40 40 4
	Scoop Nets.	ON		191
		Vslue.	**	1200 380 380 380 50 50 100 100 100
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Nete, their Number, Size, Value, &C	Nets.	Value.	€9-	14385
ув, Т	Pound Nets	gods		
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X ara	ta .	Value.	€9-	5604 6425 23152 20152 20430 9700 9700 1345 774 1275 5
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OF.		Men.		103 103 103 103 103 103 103 103 103 103
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	X,			120.460.800113141511922
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	ei ei	Pickled	•							4150			: :			-				1
d.	VALUE.	Fresh.	•	81390	59750 24844	78670	17861	48577	35818	42932		1995		1366	5550	1680	200	2175	4153	378 1849 1730 1038 2942 1592 8078 9302 63-81 369905 74886
&c.—Ontario—Concluded		Total number of bar- rels of Fish.		3923			2760		5737						1130			467	789	63:81
δ)		Fish used for local consumption, bris.		426		က	470		950				36.5	262					40	9302
ario		Coarse Fish, bris.			108				938						:	9:	<u>4</u> 5	14.	283	80.78
Ont		Sturgeon, brls.				23	8			<u>:</u>	213	:							18	1592
) S	ISH.	Pickerel, brls.		159	20		-		5 453				:			 -:	•	12	4 67	3942
	10	Pike, bris.		_ ! !	<u>`</u>	:			9 255				<u>:</u>	_	0			262	78 154	102
Boats, Nets,	TITIE	Bass, bris.				88			25 169			10 20	<u>:</u>		:			3.8	44 7	9 173
Soats	QUAN'	Maskinongé, brls.	i	- :		-	:	: :		<u>.</u>	-	-	<u>:</u>		800	760	<u>6</u> :	1		182
ls, E	O ORT	Sciacoa, brla	<u> </u> 	- :	63	916	350	: ? £	541 378	<u>:</u> 8	96	:	:	: * &		:	:: 88	-		
Vessels,	KIND AND QUANTITIES OF FISH	Trout, bris.	<u> </u>	1564	:		35	4.370			32	:	:	5 %	:	_:	4:	0		43 70
of V		stad tuoa'l'						-	<u> </u>			<u>' </u>	<u>:</u>				-			10
alue		Whitefish, No.		11700		<u></u>	103800		100	0000	2			230	3					63850
and V		Whitefish, lbs.		80400	200001	762800	8800	183000	125200	375600				307			•			4495 7728400 638500 10443 7066
ber		Whitefish, brls.	İ	1372	1527		43		945	199	٥	•	:	:			-		46	4496
RECAPITULATION of the Number and Value of		Біуівіояв.		Lake Superior	Georgian Bay		Thames River and Lake St. Clair	Lebe Wind		Prince Edward County and Bay of Quinte	Lennox and Addington Counties	Cornwall	Carleton and Russell Counties	Muskoks	Lake Scuros	Rice Lake and Trent River	Peterboro' and Victoria Counties	Charleston and Gananoque	Makasaka and Bonnechère Rivers and Lakes in Lanark and Renfrew Counties	Total
	H	, o			2	91		9 6	- ∞	6	2:	12	13	4 .	3 %	17	18	67	88.	
					-	U														

RECAPITULATION

Or the Yield and Value of the Fisheries in the Province of Ontario, during the Year 1880.

Kinds of Fish.	Quantity.	Prices.	Value.
Whitefish do do Trout Herrings Sciscos Maskinougé Bass Pike Pickerel Sturgeon Coarse Fish Fish used for local consumption.	378 do 1,849 do 1,730 do 1,028 do 2,942 do 1,592 do	\$ cts. 10 00 0 05 0 10 10 10 00 4 00 5 00 5 00 5 00 5 00 4 00 4 00	\$ cts. 44,950 00 86,420 00 63,890 00 104,430 00 28,264 00 1,512 00 9,245 00 8,650 00 5,140 00 14,710 00 7,960 00 32,112 00 37,208 00
Total value of the Fisheries in 1880. do do do 1879.			444,4 91 00 367,13 3 00
Increase			77,358 00

APPENDIX No. 14.

SYNOPSES OF FISHERY OVERSEERS' REPORTS IN THE PROVINCE OF ONTARIO, FOR THE YEAR 1880.

LAKE SUPERIOR DIVISION.

JAMES DICKSON, JOSEPH WILSON, 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.	1880.
Whitefish brls do fresh, lbs do do No	1,958	2,275 7,000	2,580	2,117	2,043 40,700	2,178 72,200	832 159,000		1,37 2 80,400
Trout, brls	1, 252 70		1,684	995	3.392	4,4143	1,015 575	943	1,564 159
consumption, brls								320	426
Total in barrels	3,280	3,755	4,264	2,172	5,6421	6,9631	3,217	1,746	3,923
Value	\$19,384	\$18,035	\$44,664	\$21,720	\$56,425	\$69,635	\$29,295	\$15,540	\$35,879

Overseer Wilson reports whitefish and trout as abundant as formerly. The slight falling off in the fisheries of the lower division of Lake Superior he attributes to great inducements for sending fresh fish to the United States from points easily accessible to steamers on Lake Huron, as well as to the fact that several fishermen went to the States to escape paying duty on their fish. He reports the fishery laws as being well observed. Nepigon River was visited during the month of August and everything found in good order. The water was at least one foot higher than usual. Speckled trout were abundant and as fine as ever. The largest fish caught

during the season weighed seven pounds. There were no bush fires.

Overseer Dickson states that the yield of the fisheries in the upper division of Lake Superior was far in excess of that of last year. This he attributes, first to a larger amount of capital invested; second, to a more plentiful supply of fish, and third, to the fact that fishermen set their nets in deep water instead of in-shore as formerly. Pickerel were caught in large quantities. When pickled, these fish can only be disposed of in United States markets, and at a time when the navigation is closed. Owing, however, to the spirit of enterprise and energy of some of the fishermen, a market for fresh pickerel was found this year and a good business done in that line. The fresh fish trade was not confined to pickerel, but extended to other fish, and the Overseer thinks that to this fact is mainly due the considerable increase experienced in the catch.

MANITOULIN ISLAND DIVISION.

G. B. ABREY, Overseer.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1877.	1878.	1879.	1880.
Whitefish	1,368 2,000	337 3,000	250 389,600	241 190,000 11,700
Trout	1,633	293	330 780	3,352 330
Total in barrels	3,021	660	3,308	4,990
Value	\$30,210	\$10,700	\$28,400	\$47,920

The returns for this division show a large increase in the yield of the fisheries, as compared with 1879. This increase is attributed to the opening of a fresh fish trade with the United States, which induces fishermen to display more enterprise and energy. The practice of salting fish seems to become gradually abandoned.

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 Deer 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.	1880.
Whitefish Brls. do fresh Lbs.	2,256 149,200	504 100,000	551	1,527
do No.	205,800	341,600	157,500	486,700
Trout Brls.	9101	519	713	1,657
Herrings	289 36	176	177 98	63
Pickerel	31	58	30	52
Coarse Fish "	71		22	108
Fish used for local consumption "			1,123	785
Total in barrels	7,2971	5,173	4,289	9,059
Value	\$70,769	\$50,560	\$34,318	\$84,594

The above returns show a remarkable increase in the catch. The several Overseers agree in stating that fish were very numerous. At all the stations the catch was good and would probably have been still larger had not stormy weather prevailed in Messrs. Frazer's and McGown's divisions during the best part of the season. The gales were so heavy that the nets were, in some instances, lost, and the cold so intense that the men suffered considerably. The total catch was, how-

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ever, very remunerative. The only falling off is in the herring fishery, within the limits of Mr. Frazer's district, and this decrease he attributes to improved condition in the labour market, which induced holders of free licenses to pursue other industries.

LAKE HURON DIVISION.

JAMES MUIR, Overseer,
A. C. McKinnon do
DAVID McMaster do
HUGH McFayden do

Cape Hurd to Point Clark.
Point Clark to Kettle Point.
Kettle Point to Baby's Point.
Saugeen River.

Comparative Statement of the yield and value of the Fisheries of this Division.

Kinds of Fish.	1877.	1878.	1879.	1880.
Whitefish Brls. do Lbs. do No.	51 118,100	361,600 321,000	726,600	762,800
Trout Bris Herrings 4 Bass 44	2,594½ 4,262 76	1,048 3,262 64	1,920 5,159 53	2,345 916 38
Pickerel " Sturgeon " Coarse Fish. "	524	568	528 210 23	113 25
Fish used for local consumption " Total in barrels	13,409	10,069	1,870	3,134
Value	\$109,007 50	\$81,480 00	\$87,888 00	\$78,670 00

Overseer Muir reports fishing as having been very fair and prices good; parties engaged in the business being well satisfied. The close-seasons were well observed, and no complaints reached him of any violations of the law relative to saw dust and mill rubbish.

Overseer McKinnon reports the yield of the fisheries in his district as in excess of that of 1879; the total number of barrels of fish caught during the season being 3,751, against 3,250 in 1879. He also mentions the catching of a species of whitefish never seen before, and presumes it must be the result of the breeding at the hatchery of Sandwich. The fishery laws were well observed, and he concludes by saying that fishermen now fully appreciate the benefits they reap from an honest compliance with the fishery laws and regulations.

Overseer McFayden reports the catch in his division to be about the same as last year's. He says that the sawdust nuisance is decreasing owing to repeated prosecu-

tions against parties who thus violate the law.

LAKE ST. CLAIR AND THAMES RIVER DIVISION.

PETER McCann,
P. McCarron,
A. Brady,
T. McQueen,
C. W. Raymond,
John B. Moody,

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1875.	1876,	1877.	1878.	1879.	1880.
Whitefish Brls do Lbs do No.		299	141	235	200	43 8,800
Trout		140 500 1	190 445 11	135 378	110 288 4	35 350
Pike	1,302 704	96 4 492 635	302 39 642 531	233 64 414 655	310 113 621 836	167 38 571 699
Fish used for local consumption "		•••••			366	392
Total in barrels	2,045	2,167	2,2911	2,114	2,848	2,339
Value	\$10,225 00	\$12,395 00	\$12,581 50	\$11,767 00	\$14,300 00	\$10,861 00

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.	1880.
Whitefish	72,275	72,000	45,800 623	77,700 301	103,500 40 6
Maskinongé	2	4 14	10 15 39	8 16 13	14 9 35
Pickerel	4	10	96	143 460	175 381
Coarse Fish " Fish used for local consumption "	117	217	436	157 177	235 470
Total in barrels	1,051}	860	1,677	1,992	2,760
Value	\$8,025 50	\$7,158 00	\$10,239 00	\$13,270 00	\$17,864 00

The yield of fish in this division continues to show a steady increase; that for the present season being considerably in excess of any previous year. Overseer Boismier feels no hesitation in attributing this happy result to the breeding operations of the Sandwich hatchery, and states that most of the fish caught this year are the fry put in the Detroit River and which are just coming into maturity. The yield would have been greater had not cold weather taken everyone by surprise, and interfered with the fishermen's operations.

POINT PELÉE MAINLAND DIVISION.

WILLIAM PROSSER, Guardian.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.	1880.
Whitefish	13,850 1,952 55 37	161 10,500 1,038 97 75%	127 88,800 201 355 320	200 62,800 880 241 169	77,000 1,772 269 225
Sturgeon	1311	285	373	174 44 100	218 574
Total in barrels	2,3411	1,710	1,820	2,124	3,443
Value	\$12,131 00	\$9,332 50	\$11,582 00	\$12,166 00	\$16,794 00

POINT PELÉE ISLAND DIVISION.

JAMES CUMMINS, Overseer.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.	1880.
Whitefish. Brls.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		76	,,,,,,	
do Lbs. Herring " Maskinongé "	1,800 201	1 0 ,4 0 0 90	15,600 239	70,000 200 20	84,400 1,772
Bass	42	10	84	80 75	
Sturgeon	14	15	87	70	170 64
tion				100	311
Total in barrels	266	167	554	895	1,869
Value	\$1,361 00	\$1,080 00	\$3,463 00	\$5,855 00	\$10,178 00

The duties of Fishery Overseer at Point Pelée Island were most faithfully discharged by Overseer Cummins, who spares neither work nor trouble to look after a close observance of the law, whilst attending at the same time to the best interests of fishermen.

LAKE ERIE DIVISION.

JOHN MCMICHAEL,	Overseer,	Lake Erie fronta	ge, Co. Kent.
ALEX. McBride,	do	do	Co. Elgin.
C. L. BINGHAM,	do	do	Co. Norfolk.
HENRY LAWE,	do	do	Ço. Haldimand.
W. P. CROOME,	do	do	Grand River and
•	tributaries	from Brantford	unwards.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.	1880.
Whitefish Brls. do Lbs. do No.	300} 7,045 1,000	87,000 300	46 22,000 3,200	29 22,400	113 21,600
Herring	1,149 1 43 <u>4</u> 28 <u>4</u> 686	1,644 7 76 44 839	2,646 4 134 65 664	1,677 9 115 61 393	1,596 10 78 95 493
Sturgeon	1,019	872 <u>}</u>	1,046	459 1,119 245	1,455 185 774
Total in barrels	3,262	3,920}	4,748	4,228	5,312
Value	\$17,071 25	\$20,920 00	\$23,634 00	\$18,849 00	\$23,035 00

Overseer McMichael reports the catch of fish as being somewhat in excess of that of last year, owing to an increase in the number of fishermen. No violations of the fishery laws are reported.

Overseer Lawe also reports an increase in the catch. This he attributes to the

prohibition of pound-net fishing at the mouth of Grand River.

Overseer Croome states that the catch of Pickerel and Bass in his division was very good. He reports the fishery laws as being well observed, one case only of violation of the close season having come to his knowledge, which was duly punished.

NIAGARA RIVER AND LAKE ONTARIO DIVISIONS.

J. W. KEBB,
CHAS. GILCHRIST,
ANDREW HUGHSON,
W. HULL,

· Comparative Statement of the yield and value of the Fisheries in these Divisions.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Whitefish Brls. do Lbs. do No.	615	498 93,958 466	482 96,500	623	433 2,000	9 59,600	351	859 100,000	945 125,200 100
Trout Brls Herrings " Sciscos "	166 512 219	55 405 288	99 405 134	43 268 188	786] 431 <u>]</u> 304		1,172 529 770	825 600 650	416 541 378
Maskinongé "Pike and Bass. "Pickerel	8 280 261	12 488 444	42 620 723	77 251 156	35 271 337	32 487 <u>1</u> 216	1,022 120	635 1,003 494	25 424 453
Coarse Fish " Fish used for local consumption	653	780	798	236	524½	744½	835	1,175 554	938 950
Total in barrels	2,714	3,436	3,303	1,842	3,132}	4,687	5,303	7,296	5,737
Value	\$16,601	\$25,899	\$24,783	\$13,542	\$21,286.5 0	\$28,943	\$ 33,295	\$44,421	\$35,818

The above table shows an increase in the catch of Whitefish but a slight falling off in other fish. Overseer Kerr reports that this is not due to a decrease in the number of fish frequenting the division, but to several causes, among which may be reckoned the following: 1st. Whitefish were so numerous that fishermen turned their energy to the catch of this species alone, neglecting Salmon Trout; 2nd. Herrings appeared in great numbers in Burlington Bay to spawn, but too late to allow fishermen to take advantage of their presence; 3rd. The unusual early winter compelled fishermen to raise their nets much sooner than usual, and many of them did not fish at all. Mr. Kerr attributes the increase of Whitefish to artificial breeding and to the protection afforded by the Department. Salmon were noticed during the spawning season in Duffin's Creek, River Credit, and Twelve Mile Creek in satisfactory numbers. Nine of these fish were accidentally caught by fishermen and liberated alive. Seven fishermen were fined for violating the fishery laws, but the Overseer says that, generally speaking, the people show a laudable desire to obey his directions and comply with the Fisheries Act.

Overseer Hughson reports the catch of fish in his district as satisfactory. He had to prosecute fourteen persons for fishing during the close season and nine millowners for violating the law respecting sawdust and rubbish. Angling for Speckled Trout was very good.

Overseer Hull reports Speckled Trout as being more numerous in the streams of

his district than formerly.

PRINCE EDWARD AND BAY OF QUINTE DIVISIONS.

CHARLES WILKINS, JOS. REDMOND, Overseers.

Comparative Statement of the yield and value of the Fisheries in these Divisions.

Kinds of Fish.	1875.	1876,	1877.	1878.	1879.	1880.
Whitefish Brls. do Lbs. do No.	2,668	1,16 2 114,825 22,327	361 296,600 2,95 0	1,435 411,400	355 368,200	199 375,600
Trout	430 1,945 8	853 2,608	737 <u>1</u> 1,980	587 643	1,226 431	679 2 50
Maskinongé	58 24 30	10 35	10 116 73	20 9	5 77 94	3 10? 109
Pickerel	77	31	248	51	118	169
Coarse Fish	232	1,999	1,093	2,654	3,499 682	3,643 515
Total in barrels	5,472	7,3911	6,131	7,456	8,331	7,548
Value	\$43,293	\$49,539 95	\$42,617	\$55,021	\$54,153	\$47,112

Overseer Redmond reports a falling off in the yield of the fisheries of his district. This he attributes to the fact that large quantities of Shad died and drifted to the shore and on the grounds frequented by Whitefish and Salmon Trout, preventing them from resorting to their usual feeding grounds. Stormy weather also interfered with fall fishing.

Overseer Wilkins reports a decrease in the catch of Whitefish, which he attributes to stormy weather during the fall. Fishing through the ice for Bass and

coarse fish was very good.

LENNOX AND ADDINGTON COUNTIES DIVISION.

A. D. SILLS, J. H. CAMERON, Overseers.

Comparative Statement of the yield and value of the Fisheries in this Division.

. Kinds of Fish.	1875.	1876.	1877.	1878.	1879.	1880.
Whitefish Brls. do Lbs	46	18	7,800	5 400	262 4,800	
do No. Trout Brls. Herrings "	8 4	6,500 54 48	13 10	3	300	34,600
Maskinonge	10 8	12 20 14	50	21		
Pike	52 92	51 89	63 97	44 52	7 5 3	12 47 40
Coarse Fish	124	146	69	65	45 33	67 60
Total in barrels	344	4971	341	191	367	612
Value	\$1,994	\$3,124	\$1,896	\$ 935	\$2,902	\$4,923

The above table shows a falling off in the catch of Whitefish, which Overseer Sills attributes to the large numbers of shad lying dead on the feeding grounds.

KINGSTON DIVISION-WOLFE AND AMHERST ISLANDS.

P. KIEL,
R. BELL,
J. A. CAMERON,
John Cox,

Comparative Statement of the Yield and Value of the Fisheries in this Division.

Kinds of Fish.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.
Whitefish Brls do Lbs.		1,500		694	256	311	33	149	8
do No. Trout Bris Herring "	554 12	12	272	12		3 10	14	141	68
Pike and Bass	77 27	182 56		317 172		133 142	18 10		
Coarse Fish	166	217	639	647	564	539	355	442 74	
Total in barrels	. 1,146	1,036	1,914	2,167	1,129	1,435	481	1,221	928
Value	. \$8,310	\$8,945	\$11,100	\$15942	\$7,446	\$9,741	\$2,470	\$7,039	\$4,570

Overseer Kiel reports the fish in the waters of his division as steadily increasing, and cites as an example one sail boat manned by three men who caught, at Charity Shoals, in two nights, 450 trout, weighing 3,500 pounds. The demand was, however, limited, and the prices offered were so low that many of the fishermen had to earn a living in some other way. This accounts for the decrease in the catch, as shown by the tables. Hoop-net fishing was seriously affected by the lowness of the water. Fishermen will have to resort to deeper water or give up the business.

Overseers Bell, Cox and Cameron also report a noticeable increase in the fish of their divisions. They agree in stating that the fishery laws were well observed.

PRESCOTT, CORNWALL AND GANANOQUE DIVISIONS.

JOHN MOONEY,
JOHN D. McMillan,
T. McGarrity,

Overseers.

The officers of this division report that fish of all kinds continue to increase, and attribute this to the protection afforded by the Department. The fishery laws were well observed.

MUSKOKA DIVISION.

WM. E. FOOT, Overseer.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.	1880.
Whitefish Brls	8	4	10 .	3,200	2,600
Trout Bris Herrings " Bass "	6 18	15 17 34	15 21 6	60 72 8	34 74 5
Pickerel	2	31/2	10	5 20	7 10
Total in barrels	34	43	62	181	143
Value	\$240	\$310	\$435	\$1,193	\$866

Overseer Foot remarks that the above returns are very incomplete; a good deal of difficulty being experienced in procuring informations from fishermen as they are generally unwilling to give the amount of their catch, and when they do so the reports are not very reliable. The close seasons and laws relative to saw-dust and mill-rubbish were generally well observed, no complaints having come to the knowledge of the Overseer.

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.	1875.	1877.	1878.	1879.	1880.
Whitefish Brls. do No. Trout	60 46	4,940 2,930	116	124 347	5 19,250 17,875	268 619	7,700 199	6,000 57	2,300 66
Herrings	I	75	30	20	3 0 60	40 1	25 70	45 4	90
tion"								22	29
Total in barrels	113	203	454	491	543	933	373	158	208
Value	\$1,010	\$1,677	\$4,390	\$4,836	\$5,830	\$9,100	\$3,245	\$1,158	\$1,366

There is a slight increase in the yield of the fisheries of this division, which would be larger had Overseer McKenzie been able to procure full returns from the fishermen. Herrings are increasing rapidly both in number and in size. Thirteen cases of violations of the Fisheries Act were tried by Overseer McKenzie during the year, and fines amounting to \$75 were imposed by him.

LAKE SCUGOG DIVISION.

A. J. HABRINGTON, JOHN MCALLISTER, Overseers.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	1876.	1877.	1878.	1879.	1880.
Maskinongé	47 <u>1</u> 3	120 2	550 61	1,138 171 90	800 230 100
Total in barrels	50}	122	611	1,398	1,130
Value	\$252 50	\$610 00	\$3,055 00	\$6,900 00	\$5,550 00

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.	1880.
Maskinongé Brls. Bass. " Pike "	500 300	500 400	400 690	500 800	750 300 350
Coarse Fish					100 70
Total in barrels	800	900	1,000	1,300	1,500
Value	\$4,000 00	\$4,500 00	\$5,000 00	\$6,740 00	\$7,680 00

Five hundred and eighty-five angling permits were issued during the past season, only seventy-five of which were granted to foreigners realizing the sum of \$100 The others were given free to citizens of the Dominion.

PETERBOROUGH AND VICTORIA DIVISIONS.

GEORGE COCHRANE, R. GRAHAM,
DANIEL BOWEN,

Statement of the yield and value of the Fisheries in these Divisions for the past four years.

Kinds of Fish.	1877.	1878.	1879.	1880.
Trout Brls. Herrings " Maskinongé " Bass " Pickerel " Coarse Fish "	50 5 75 80	60 5 289 188 12 50	85 30 184 212 3 80	54 38 193 186
Total in barrels	240	604	594	518
Value	\$1,420 00	\$3,270 00	\$3,285 00	\$2,775 00

The Overseers of this division agree in reporting the fish on the increase, and attribute this to a better observance of the fishery laws. The slight falling off in this year's catch is due to incomplete returns.

CHARLESTON AND GANANOQUE LAKES DIVISION.

W. H. Johnston, James Gerer, Wm. Hicks,

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.		1876.	1877.	1878.	1879.	1880.
Whitefish Trout Sciscos Bass Pike Pickerel Coarse Fish	Brls.	2 15 63 68 203 3	3 9 46 50	7 12 21 47 28 11	20 110	15 20 10
Total in barrels		352½	125	139	183	65
Value		\$1,646 50	\$670 50	\$777	\$970	\$380

Overseer Johnston issued no angling permits last season, owing to his absence from home.

Overseer Greer reports a considerable improvement in the fishing owing to a curtailment of licenses. He also states that the fishery laws were strictly complied with.

LANSDOWNE, ROCKPORT AND BROCKVILLE DIVISION.

JOHN WALLACE,
HENRY HUNT,
WM. POOL,

Guardians.

The reports of the above officers show that angling was as good as usual. No net fishing of any kind is allowed in this division.

Mr. Wallace states that poachers are more numerous than formerly. He

Mr. Wallace states that poachers are more numerous than formerly. He succeeded in seizing two nets—one trap and one hoop net.

MISSISSIPPI RIVER AND LAKE DIVISION.

John McFadden, Ephbaim Deacon, Overseers.

Comparative Statement of the yield and value of the Fisheries in this Division.

Kinds of Fish.	18 76.	1877.	1878.	1879.	1880.
Bass Bris. Pike	12 150 25 30	18 270 25 70	25 360 28 128	27 276 35 181	30 262 15 140
Total, barrels	217	383	541	519	467
Value	\$1,055 00	\$1,845 00	\$2,577 00	\$2,414 00	\$2,175 00

Overseer McFadden reports that, owing to a better observance of the fishery laws, an increase in the catch of fish was experienced above Carleton Place, but that below that point the catch shows a falling off, owing to the accumulation of sawdust and mill refuse.

Overseer Deacon reports the fish in his division as being as numerous as usual, but that net fishing was carried on by one person only.

COUNTY OF RENFREW DIVISION.

Andrew Telfer, Lower portion Bonnechère and Madawaska Rivers.

M. L. Russell, Upper portion 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-

COMPARATIVE Statement of the yield and value of the Fisheries in this Division.

Joachims.

Kinds of Fish.	1876.	1877.	1878.	1879.	1890.
Whitefish Bris Trout do Sciscos do Maskinongé do Bass do Pike do Pickerel do Sturgeon do	30 90 35 40 75 55	50 87 10 27 66 30 63	68 83 30 48 73 111	55 71 40 30 120 29 44	46 60 44 78 154 67 18
Coarse Fish	120	103	228	153 40	282 40
Total, barrels	445	436	743	582	789
Value	\$2,705	\$2,762	\$4,242	\$3,347	\$4,153

The above table shows an increase in the catch of fish as compared with 1879. This the several Overseers attribute to a better observance of the fishery laws.

CARLETON AND RUSSELL COUNTIES DIVISION.

WILLIAM BOUCHER, OLIVIER MIRON, Overseers.

It being found necessary, for the greater efficiency of the service, to have Overseers in these counties, Mr. Boucher took charge of the County of Carleton, and Mr. Miron of the South Nation River, in Russell. These appointments had a beneficial effect.